

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees

ITHACA, N. Y., June 12, 1912.

Present—Trustees Schurman, Sisson, Cornell, Barr, Beahan, Blood, Carlisle, Edwards, French, Mason, Morris, Newman, Place, Pratt, Sackett, Taylor, Treman, R. H., Van Cleef, Westinghouse, White, Williams, and Wilson. Secretary Williams.

Trustee Carlisle was called to the chair.

Letters regretting their inability to be present were presented from Trustees Dix, Conway, Merritt, Draper, Huson, Shepard, Woodford, Miller, Hiscock and Sewell, and their absence was excused.

The minutes of the meeting of April 27th, 1912, were approved as printed.

The minutes of the meetings of the Executive Committee from April 30th, 1912, to May 29th, 1912, inclusive, were approved as printed, and the action therein contained ratified and confirmed.

Action was taken as follows :

1. By ballot duly had Trustees Van Cleef, R. H. Treman and Newman were duly elected Trustees of the University for terms of five years, to succeed themselves.

2. By ballot duly had Assistant Professors Fluegel and Davidson were elected Assistant Professors of the higher grade, for a term of five years from August 1, 1912, at a salary of \$2,000 per annum each.

3. On the nomination of the President and by ballot duly had, Samuel M. Spring was appointed Professor of Forestry in the New York State College of Agriculture, for the year 1912-13, at a salary of \$3,000.

4. The following was presented and on motion approved, and the appointments and appropriations therein recommended made :

MINUTES OF MEETING OF THE AGRICULTURAL COLLEGE COUNCIL,
HELD AT THE SECRETARY'S OFFICE, ITHACA, N. Y.,

June 11, 1912.

Present—President Schurman, Trustees Wilson, Carlisle, Sisson, Beahan, Pratt, Barr ; also Treasurer Williams and Secretary Mann.

Honorable T. B. Wilson presided and A. R. Mann was named as Secretary.

The President presented the regrets of Trustees Sackett, Miller and Huson, who were unavoidably detained from attendance at the meeting.

The following resolutions were moved, seconded, and carried : That the appointments and wages occurring out of the business of the preceding quarter as submitted by the Director be approved and the persons therein named be employed for the places and at the wages therein mentioned.

Appointments and wages. Since the last meeting of the Council I have made the following changes in appointments and wages :

Mr. H. W. Rankin to be Instructor in Plant Pathology for the year beginning October 1, 1912, without salary.

Mr. Montague Free, Assistant Gardener in the Horticultural Department, to be advanced from \$40 per month to \$60 per month, to begin May 1, 1912.

Mr. M. J. Prucha and J. K. Wilson, already appointed in the Department of Plant Physiology, to be employed during the present summer at their contemplated salaries, the expense to be charged against the maintenance fund of the department.

Mr. George C. Supplee to be helper in the Dairy Department from June 1 to September 30, 1912, at a salary of \$50 per month, to be charged against the maintenance fund of the Dairy Department.

Mr. J. H. Copeland helper in the Department of Poultry Husbandry at a salary of \$35 per month to be paid from poultry income funds, to take the place of Mr. Norton who withdrew April 1st. Messrs. L. H. Cuthbert, J. A. McLoughlin, W. Wichhorst, and N. S. Beckley, in the Poultry Department, to be advanced from \$35 to \$40 per month, with the expectation that they will go to \$45 and possibly \$50 eventually. Mrs. E. H. Starr to be clerk in the Department of Poultry at a salary of \$50 per month beginning October first next, this being an increase from \$45 per month.

In the Dairy Department Miss Bessie L. Edwards, who graduated from the University in February, for stenographic and general office work at \$40 per month, with the expectation that she will receive \$50 per month next fall in case she makes progress. She is to take the place of Miss Mabel Howell resigned.

In the Department of Plant Physiology Miss Mabel Howell, formerly in the Dairy Department, at a salary of \$40 per month, taking the place May 15th. She will do the work of Miss Lulu White resigned,

In the Department of Home Economics Miss Clara Browning Instructor in Home Economics at a salary of \$750 against the funds of the department.

New business. That the Director be empowered to engage Mr. C. R. Pettis of the State Conservation Commission for special lectures in forestry, and that an appropriation of \$200 be made available for the purpose. Carried.

That Treasurer Williams be authorized to employ Mr. J. W. Smith as an assistant in his office at a salary not to exceed \$1,200, to be paid from the funds of the College of Agriculture; Mr. Smith to be employed in connection with details in the building operations and other work connected with the College of Agriculture.

The following additional recommendations transmitted by the Secretary of the College of Agriculture were approved:

1. That Mr. E. T. Lewis be appointed for the summer, beginning June 1, as helper in the Department of Poultry Husbandry at a salary of \$35 per month, to be paid from income funds.

2. That the salaries of the following helpers in the Department of Poultry Husbandry be increased to \$45 per month, beginning June 1, 1912, to be paid from income funds; Messrs. N. S. Beckley, W. Wichhorst, J. A. McLoughlin, L. H. Cuthbert, J. H. Copeland. This is in accordance with the understanding at the time Director Bailey increased their wages to \$40, as reported by him in statement sent recently to members of this Council.

3. That Messrs. W. E. Etheridge and E. T. Lewis be appointed assistants in Farm Crops at \$400 a year each, to begin October 1, 1912, and to be paid from the maintenance appropriation of the department.

4. That Miss Caroline Lathrop be advanced to clerk in the Department of Farm Practice at \$46 per month, beginning October 1, 1912; and that Miss Juno Whittaker be appointed stenographer in the Department of Farm Practice at \$34 per month, beginning October 1, 1912, the additional salaries to come from departmental maintenance.

5. That Miss Lela G. Gross, assistant editor, be advanced to \$50 per month, beginning October 1, 1912.

6. That Mr. A. E. Wilkinson be appointed instructor and investigator in Horticulture at \$1,500 to begin October 1, 1912, \$500 to be paid from departmental maintenance and \$1,000 from general agricultural funds not otherwise appropriated.

7. That Mr. G. C. Supplee be appointed assistant in Dairy Industry at \$500, beginning October 1, 1912, to fill the position provided at the last meeting of the Trustees.

8. That Mr. Charles Chupp be appointed assistant in Plant Pathology for the Summer School in Agriculture at \$75 for the six weeks.

9. That Miss Katherine R. Moore be appointed assistant in Rural Education for the Summer School in Agriculture at \$100 for the six weeks.

That the salary of Professor W. A. Stocking be increased to \$4,000 per year, beginning October 1, 1912. Professor Stocking has been offered the headship of the Dairy Department at the University of Illinois at \$4,500 to be increased to \$5,000 as soon as he becomes established in the work. This increase will come from general agricultural funds not otherwise appropriated.

That the Industrial Assistantship agreement with the Wyoming Valley Truck Farms be approved, subject to the approval of the University Attorney as to form of document, and that Mr. DeLany be authorized to sign this contract ; and that Mr. C. C. Engle, graduate of the Ohio State University, be appointed to this assistantship. The substance of this agreement has already been approved by the donors, Director Bailey, and our Department of Soil Technology.

The Secretary of the College of Agriculture reported that the following resignations had been received :

Mr. George R. Hill as instructor in Plant Physiology, to take effect October 1, 1912. Mr. Hill has accepted a position at the Shaw Botanical Gardens with Dr. B. M. Duggar.

Miss Lois Wing as instructor in Dairy Industry, to take effect July 1, 1912.

The President made the following nominations, which, on motion, were approved :

1. That Mr. Samuel N. Spring, State Forester of Connecticut, be appointed Professor of Forestry at a salary of \$3,000 a year.

2. That Mr. C. H. Myers be raised from instructor in Plant-Breeding at a salary of \$1,200 to assistant professor in Plant-Breeding at \$1,500.

3. That Mr. H. O. Buckman be raised from instructor in Soil Technology at a salary of \$1,000 to assistant professor of Soil Technology at a salary of \$1,500, the increase to be taken from the maintenance of the department.

4. That Lewis Knudson, who is now Assistant Professor of Plant Physiology at a salary of \$1,500, receive a salary of \$2,000, beginning October 1, 1912.

It was moved, seconded, and carried, that the Council recommend to the Board of Trustees that a chair in forestry not to exceed \$2,500 be established and that the President ask the Board to give the Executive Committee power to fill the chair, subject to the approval of the full Board.

On motion the Council adjourned.

A. R. MANN, Secretary.

5. The following was presented and on motion approved and the appropriations and appointments therein recommended, made.

MINUTES OF THE VETERINARY COLLEGE COMMITTEE.

ITHACA, N. Y., June 11, 1912.

Present—Trustees Schurman, Carlisle, Sackett, Sisson, Wilson, Pratt, Director Moore and Treasurer Williams.

President Schurman in the chair.

The following was presented and approved and recommended to the Board of Trustees for adoption :

(1) *In connection with balance of year 1911-12.*

It is recommended that the following named men be employed during the summer vacation at the compensations mentioned :

| | |
|---|------------|
| Dr. J. N. Frost, in charge of clinic ----- | \$ 350 00 |
| Dr. R. R. Bolton, assistant in clinic and research, Department of Surgery ----- | 300 00 |
| Dr. R. R. Birch, in charge of Veterinary Experiment Station ----- | 300 00 |
| Dr. F. F. Koenig, Instructor in Medicine ----- | 300 00 |
| Dr. E. M. Pickens, in charge of diagnosis work ----- | 225 00 |
| Dr. F. S. Jones, work in poultry diseases ----- | 50 00 |
| Dr. Frank Breed, assistant in diagnosis and preparation on Fair exhibit ----- | 100 00 |
| Additional assistance if needed not to exceed ----- | 100 00 |
| | <hr/> |
| | \$1,725 00 |

The work planned for the summer vacation is as follows :

1. To take care of the clinic.
2. To continue the diagnosis work and to prepare and distribute tuberculin, mallein, anthrax vaccine and anti-hog cholera serum.
3. To continue investigations under the immediate supervision of the Director as follows :
 - a. Continuation of investigations on the elimination of tubercle bacteria from infected cattle.
 - b. Investigations regarding infectious abortion in cattle, especially the study of the organism and the channel of infection and elimination.
 - c. Tuberculosis and bacillary white diarrhea in fowls.
 - d. Improved methods for preparing anti-hog cholera serum.
 - e. In cooperation with the Commissioner of Agriculture research into the best methods for diagnosing glanders.

It is recommended that the following appropriations be made to cover deficits in printing and repairs :

1. Printing extra copies of the Annual Report of the College for 1910-11 ----- \$125 00
2. Repairs occasioned by repairing the roof of the main building ----- 175 00

On account of growing demand for anti-hog cholera serum in the State and changes in the technic for its preparation it is recommended that Dr. H. J. Milks be authorized to visit one or more of the institutions where this serum is being prepared and that a sum not to exceed \$75 be appropriated for his expenses.

It is important that the Veterinary College be represented as fully as possible at the regular meetings of the veterinarians of the State and also at the national assembly. In order that this representation may be assured the following resolutions are recommended :

Resolved, That the New York State Veterinary College be represented at the annual meetings of the New York State Veterinary Medical Society by the Director and such members of the faculty as he may designate, not exceeding one from each department.

Resolved, That the New York State Veterinary College be represented at the annual meetings of the American Veterinary Medical Association by the Director, and not to exceed two other members of the faculty to be designated by him.

It is recommended that an appropriation of \$260 or as much thereof as is necessary be made available from Veterinary College Income to defray the expenses of representatives of the Veterinary College in attending the meeting of the New York State Veterinary Medical Society and the American Veterinary Medical Association in 1912.

(2) *For the college year 1912-1913.*

FINANCIAL STATEMENT OF THE NEW YORK STATE VETERINARY COLLEGE.

| | | |
|--|-------------|-------------|
| Balance Oct. 1, 1911----- | \$ 4,915 67 | |
| Balance appropriations----- | 1,979 27 | |
| | <hr/> | |
| Surplus unappropriated Oct. 1, 1911----- | | \$ 2,936 40 |
| Amount lapsing (fixed charges)----- | | 900 04 |
| State appropriation 1911-12----- | 47,500 00 | |
| Budget approved June, 1911----- | 47,190 00 | |
| | <hr/> | |
| Balance maintenance unappropriated----- | | 310 00 |
| | | <hr/> |
| Total unappropriated Oct. 1, 1911----- | | 4,146 44 |
| Appropriated Oct. 24, 1911----- | 535 91 | |
| Appropriated Feb. 27, 1912----- | 200 00 | |
| | <hr/> | |
| | | 735 91 |
| | | <hr/> |
| Total unappropriated June 1, 1912----- | | 3,410 53 |

| | | |
|--|----------|-------------|
| Less appropriation for summer labor..... | 1,725 00 | |
| Printing extra copies of report..... | 125 00 | |
| Repairs | 175 00 | |
| Attending meetings..... | 260 00 | |
| Hog cholera serum (traveling expenses)..... | 75 00 | |
| | <hr/> | 2,360 00 |
| | | <hr/> |
| | | 1,050 53 |
| Income sale temporary shed..... | | 50 00 |
| Tuition (est.)..... | | 700 00 |
| Fixed charges lapsing Oct. 1, 1912 (est.).... | | 800 00 |
| Special appropriation for anatomy lapsing.. | | 300 00 |
| State appropriation for maintenance 1912-13.. | | 50,000 00 |
| | | <hr/> |
| Total amount unappropriated Oct. 1, 1912 (est.)..... | | 52,900 53 |
| Special appropriation for equipping north wing (anatomical laboratory)..... | | \$ 3,000 00 |
| Spent for equipment..... | | 799 45 |
| | | <hr/> |
| Balance special appropriation..... | | \$ 2,200 55 |

It is recommended that the following budget for the year 1912-13.
be approved (see exhibit A) :

| | | |
|---|--------------|---------------|
| Total amount unappropriated Oct. 1, 1912 (est.)..... | | \$ 52,900 53. |
| Salaries..... | \$ 31,100 00 | |
| Pay Roll..... | 6,120 00 | |
| Fixed Charges..... | 4,370 00 | |
| Departmental appropriations | 2,350 00 | |
| Non resident lecturers..... | 300 00 | |
| Extension work (Vet. Conference, State Fair, etc.) | 700 00 | |
| Experimental work..... | 4,000 00 | |
| Contingent..... | 500 00 | |
| | <hr/> | |
| Total appropriations for 1912-13..... | 49,440 00 | |
| Balance unappropriated for 1912-13..... | 3,460 53 | |
| | <hr/> | 52,900 53 |

Exhibit A—Salaries.

Anatomy

| | |
|------------------------------------|-------------|
| G. S. Hopkins, Professor..... | \$ 3,000 00 |
| Earl Sunderville, Instructor | 1,200 00 |
| ———, Student Assistant..... | 250 00 |

Materia Medica.

| | |
|---------------------------------------|----------|
| H. J. Milks, Assistant Professor..... | 2,000 00 |
| ———, Assistant..... | 500 00 |

Medicine.

| | |
|--------------------------------|----------|
| D. H. Udall, Professor | 3,000 00 |
| F. F. Koenig, Instructor | 1,000 00 |

Pathology and Bacteriology.

| | |
|---|----------|
| V. A. Moore, Professor and Director of College | 4,500 00 |
| S. H. Burnett, Assistant Professor of Pathology | 2,000 00 |
| C. P. Fitch, Instructor in Bacteriology | 1,200 00 |
| Earl M. Pickens, Instructor in Pathology and Diagnosis .. | 800 00 |

Physiology.

| | |
|--------------------------------|----------|
| P. A. Fish, Professor | 3,000 00 |
| C. E. Hayden, Instructor | 1,000 00 |

Surgery.

| | |
|---|----------|
| W. L. Williams, Professor | 3,000 00 |
| J. N. Frost, Instructor | 1,200 00 |
| R. R. Bolton, Instructor in Surgery | 1,000 00 |

Diagnosis and Research.

| | |
|--|----------|
| R. R. Birch, Instructor in charge of Vet. Exp. Sta. | 1,200 00 |
| F. S. Jones, Instructor in Poultry Diseases | 1,000 00 |
| Frank Breed, Student Assistant in Diagnosis | 250 00 |

\$31,100 00

Exhibit A—Pay Roll.

| | |
|---|-----------|
| Helen H. Haight, Clerk and Assistant | \$ 900 00 |
| Edward Tree, Engineer | 660 00 |
| A. F. Devo, Groom (with house) | 540 00 |
| Archibald Wilson, Asst. Engineer and Janitor 1st floor... | 480 00 |
| William Hulbery, Assistant Groom | 480 00 |
| C. M. Greene Janitor Small Animal Clinic | 480 00 |
| Adolf Franke, Janitor Dept. Pathology & Bacteriology... | 480 00 |
| Clarence Havens, Janitor Dept. Anatomy | 480 00 |
| — — —, Janitor Dept. Medicine | 540 00 |
| C. C. Drake, Attendant Veterinary Experiment Station and assistant in preparation to hog cholera serum | 540 00 |
| Labor at Veterinary Experiment Station | 540 00 |

\$ 6,120 00

Fixed Charges.

| | |
|-------------------|-----------|
| Fuel | \$ 900 00 |
| Gas | 450 00 |
| Electricity | 200 00 |

| | |
|---|-------------|
| Grounds..... | 100 00 |
| Insurance..... | 200 00 |
| Repairs..... | 500 00 |
| Printing announcements and reports and advertising..... | 700 00 |
| Library attendant | 420 00 |
| Keeping team..... | 300 00 |
| Office | 600 00 |
| | <hr/> |
| | \$ 4,370 00 |

Exhibit A—Departmental Appropriations.

| | |
|---------------------------------|-------------|
| Anatomy..... | \$ 300 00 |
| Materia Medica..... | 100 00 |
| Medicine..... | 500 00 |
| Pathology and Bacteriology..... | 575 00 |
| Physiology | 275 00 |
| Surgery..... | 600 00 |
| | <hr/> |
| | \$ 2,350 00 |

It is recommended that 25 per cent of the departmental appropriations for the year beginning Oct. 1, 1912, be made available for the summer if desired.

Moved to amend foregoing recommendations by making salary of Professor of Pathology and Bacteriology \$3,000 and Director of Veterinary College \$2,000 per year. The recommendations as amended were approved and appropriations recommended

It is recommended that the Trustees ask the Legislature for the following appropriations for the year 1913-14 :

a. Maintenance including short course in horse shoeing and the preparation of anti-hog cholera serum, \$65,000.00.

b. Equipment to establish a course in practical horse shoeing and to increase the out put of anti-hog cholera serum, \$5,000.00.

c. A special appropriation to erect and equip the south wing of the main Veterinary College building, \$65,000.00 to \$75,000.00.

The increase in maintenance is made necessary for the following reasons :

(1) To establish a course in horse shoeing for the horse shoers of the State.

(2) To increase output of anti-hog cholera serum.

(3) Increase in cost of fuel, lights and janitor service on account of the new buildings.

(4) To increase the salaries of the instructing staff.

(5) To increase the number of teachers.

It is recommended that as soon as funds permit the salaries of professors at the heads of departments be raised \$500 and that other

promotions be made according to merit. It is further recommended that if consistent with University regulations an increase in the pay of other employees be made.

It is essential to provide for a course in gross pathology and post mortems as soon as our clinical buildings are completed. One or more assistants are also needed.

The south wing is asked for to provide :

- (1) For the library and reading room, which are over crowded.
- (2) Offices for the Director and business of the College.
- (3) To release the museum space now used for the offices, making it possible to establish a museum of comparative anatomy, pathology and hygiene, which if properly looked after by a competent curator would be most valuable in extension teaching.

E. L. WILLIAMS,
Acting Secretary.

6. The following was presented and adopted without prejudice to future action, in regard to the creation of the office of Superintendent of Buildings and Grounds.

*To the Board of Trustees,
Cornell University,*

Pursuant to action of the Board of Trustees of April 27, 1912, namely :

"WHEREAS, The construction of new buildings at Cornell University is now involving the expenditure of large sums of money, and the care and maintenance of the grounds and the existing buildings require arduous attention.

Resolved, That the office of the Superintendent of Buildings and Grounds be created, the appointee under this resolution, to take charge of such work, reporting to the President of the University.

Resolved, That Trustees Edwards, Barr and Sisson be added to the Executive Committee to report upon this matter at our June meeting, and nominate a name or names for an incumbent in this office if they deem it best."

The above Committee met in President Schurman's office, on Saturday, June 1, 1912, at 9 A. M., there being present Trustees Schurman, Van Cleef, White, Williams, Treman, R. H., Blood, Cornell, Edwards, Barr. Mr. C. E. Treman being excused.

Mr. Van Cleef was called to the chair.

At the request of the Chairman, the Treasurer of the University outlined the duties now being performed by Edward Sprigg, Supt. of Buildings, R. B. Hayes, Supt. of Electric Lighting and Power, Heating and Water Departments, and of Fred Evans, Supt. of Grounds.

For the information of the Committee a communication from Director Bailey to the Agricultural College Council recommending that

an assistant in the Treasurer's Office be appointed to relieve the Treasurer of a portion of the details arising from large amount of building operations, correspondence, etc., connected with the College of Agriculture, with salary not to exceed \$1,500 to be paid from College of Agriculture funds, was read.

The discussion developed the fact that, with the exception of Prudence Risley Hall, the supervision and inspection of which has already been provided for, all of the buildings now in process of construction or for the construction of which provision has been made, are for the College of Agriculture and the Veterinary College, paid for from State funds, and under provisions of State law are designed by the State Architect or by Architects designated by him, and are inspected during process of construction by inspectors employed by the State.

It appearing to a majority of the Committee that the work in connection with the buildings and grounds of the University is now being satisfactorily cared for with the present organization and that the necessity for additional service is in connection with the College of Agriculture and the Veterinary College, the Committee adopted the following, viz :

"That in the judgment of this Committee it is not expedient to create the office of Superintendent of Buildings and Grounds as proposed and for the present we recommend carrying out the arrangement for additional service in connection with the Treasurer's office as proposed by Director Bailey."

E. L. WILLIAMS, Secretary.

7. Resolved that the chair appoint a committee of five of which Trustee Beahan shall be a member, to consider and report at a future meeting, their opinion as to the general subject of control of the Buildings, Grounds, and Physical properties of the University. The chair appointed Trustees Sackett, Place, Shepard, Beahan and R. H. Treman.

8. On the recommendation of the University Faculty the degree of "Master in Landscape Design," in the College of Agriculture, was established.

9. The President was authorized to grant degrees at Commencement, tomorrow, as per the list recommended by the several faculties, and his action in conferring Medical degrees at the recent Commencement at New York City, was ratified and confirmed.

10. The resignation of Professor Jeremiah W. Jenks, as professor of Economics and Politics, to take effect at the close of the present academic year, was received and accepted, and the Secretary was instructed to express to Professor Jenks, the good wishes of the Trustees for his future work in New York City.

11. *Resolved*, That pending the next meeting of this Board the Executive Committee be authorized to fill vacancies and make other necessary appointments, including the proposed Professorship in the Department of Forestry, the same to be subject to ratification by this Board at its next meeting.

12. The committee appointed to prepare plans for the enlargement of Lincoln Hall, presented plans for extensions to the East with a building on East Ave. The plans were approved in their general features and it was referred to a committee consisting of Trustees Beahan, Edwards and Stevens, to devise ways and means to carry them out.

13. A special report by the acting Director of Sibley College on the problems and needs of Sibley College, was presented and placed on file; and a committee of three consisting of Trustees Westinghouse, Barr and R. H. Treman, was appointed, to which was referred the report for consideration, with power to take such steps as it may deem feasible, and to report.

14. *Resolved*, That a committee of five of the Board, one especially cognizant of each of the following five colleges, M. E., C. E., Arts, Law and Agriculture, be appointed to make a digest of the income from and expenses of student instruction—and report their recommendation as to tuition required to make the income equal the running expenses; and to recommend an equitable rate of tuition in the different colleges based on the cost of the different departments. The committee's report to be sent to all members of the Board at least three weeks before the regular Fall meeting.

The chair appointed as such committee Trustees Edwards, Blood, Taylor, Barr and Sisson.

15. The University Attorney to whom was referred the matter of sabbatic leaves of absence in the State Colleges presented as his report the following communication from the Attorney General, which was ordered spread upon the minutes.

NEW YORK STATE COLLEGE OF AGRICULTURE. SABBATIC LEAVE TO PROFESSORS.

The Board of Trustees of Cornell University is authorized to grant a sabbatic leave to professors in the New York State College of Agriculture.

Inquiry.

A rule has been adopted by the governing board of Cornell University which, in effect, provides that after a professor has faithfully and continuously served the University for a period of seven years he is then entitled, subject to the approval of the board of trustees, to a

year's absence on half pay. This leave of absence is given in order that the professor may employ the time in travel or research work or study to the end that he may be better qualified to resume his work in the University after his leave of absence has expired.

An opinion is requested as to whether the board of trustees is authorized to extend this rule to the professors in the New York State College of Agriculture.

Opinion.

I am not aware of any statutory provision withholding or limiting the right of the University to make provision for such a leave of absence to the professors employed in the Agricultural College, and accordingly it would seem that the only question presented is as to whether the rule in question is a reasonable one. It may well be regarded merely as an item of the salary or compensation attached to the employment. If it is to be withheld the salaries will doubtless be correspondingly greater than if it is allowed. The board of trustees is invested with power to fix salaries and I am of the opinion that as an incident thereto it is authorized to make all reasonable rules and regulations with respect to granting leaves of absence.

As I understand it, a similar rule prevails in most if not all our great educational institutions. It would seem to be fairly in accord with the objects of this College of Agriculture, as set forth in § 1039 of the Education Law, and reasonable in its provisions. I therefore advise that the University is authorized to apply it to this State College.

Dated May 7, 1912.

THOMAS CARMODY,
Attorney General.

To

HON. MYNDERSE VAN CLEEF,
Ithaca, N. Y.

16. *Resolved*, That Charles W. Gay, the sole surviving Executor, or any administrator with the Will annexed, of the last Will and Testament of Horace I. Smith, deceased, be authorized in so far as Cornell University is concerned, to make such settlement of the claim of the Estate of Franklin C. Cornell, against the Estate of said Horace I. Smith, as he considers just and equitable, and that the Treasurer be, and he hereby is authorized to execute a proper release to said Executor on account of such settlement; and this Board being advised that the only defence to such claim existing in behalf of Cornell University, is the statute limitations, it is further resolved that the Attorney of the University be, and he is hereby directed not to interpose such defence in the action entitled: Franklin C. Cornell Jr., *et al.*, plaintiff, against Charles W. Gay as sole surviving executor, etc., of Horace I. Smith etc., Cornell University *et al.* defendant.

17. A communication was received from the Secretary of the Associate Alumni announcing the election of Mrs. Harriet Tilden Moody, and Mr. John C. Westervelt, as Trustees of the University for the term of five years.

18. *Resolved*, That Trustee Westervelt be appointed to succeed Trustee C. E. Treman, on the special committee on the Commencement program.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't. Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., June 14, 1912.

Present—Trustees Van Cleef, White, Schurman, Treman, Williams, Blood, and Newman, Secretary Williams.

Trustee C. E. Cornell was excused on account of another engagement.

Chairman Van Cleef in the chair.

Action was taken as follows :

1. The President was authorized to use his discretion in filling the Goldwin Smith Lectureship in English History and the Jacob H. Schiff Lectureship for the promotion of German culture for the year 1912-13.

2. The Treasurer was authorized to pay the bill of Prof. Walter F. Willcox of \$160.21 for expenses in connection with the trip to Chicago and Ann Arbor and for the expenses of men requested to meet him at those points and at Ithaca in connection with filling vacancies in the Department of Political Science.

3. The resignation of W. E. Lagerquist, lecturer in Economics, L. D. Fallis, lecturer in Oratory, and F. A. Carruth, Assistant in Chemistry for the year 1912-13, was presented and accepted.

4. Upon the nomination of the President, the following appointments were made for the year 1912-13 to fill vacancies. Ransom E. Somers, instructor in Economic Geology at a salary of \$1,000. Caroline Lewis, Assistant in American History at a salary of \$250. E. H. Kennard, and T. B. Brown, Assistants in Physics each at a salary of \$400. R. A. Gulick, Assistant in Chemistry at a salary of \$400.

5. Upon the nomination of the President, the following appointments were made for the year 1912-13 in the department of Economics. Roy G. Blakey, Ph.D., Assistant Professor for five years at a salary of \$1500 a year. Robert M. Woodbury, A.M., Instructor at a salary of \$1000. F. H. Gilman, A.M., Instructor at a salary of \$1000. ————, Instructor at a salary of \$1000.

6. Upon the nomination of the President, the following changes were made in the staff of the 1912 Junior Summer-Survey :

S. L. Boothroyd was placed in charge of the Camp, vice O. M. Leland, (who is ill and whose appointment is herewith cancelled) and his compensation was accordingly increased from \$150 to \$200.

C. M. Baker was appointed Instructor at a salary of \$90 (vice Leland).

E. C. White was appointed Instructor at a salary of \$90 (vice E. H. Taylor, resigned).

7. The resignation of Asst. Professor S. L. Boothroyd to take effect August 1, 1912, was received and accepted and Instructor P. H. Underwood was promoted to fill the vacancy and made Assistant Professor for five years from Aug. 1, 1912 at a salary of \$1500 per annum.

8. A recommendation was received from Director Martin that Mr. Joseph Kellogg, an Instructor in the College of Architecture, be permitted to use the rooms and equipment of the college for a summer course in Drawing and Design, his compensation to be paid by those taking the course. It was Resolved: that permission be given for one year as an experiment.

9. At the request of the War Department one-half tuition fee for the Summer Session of 1912 was granted to the Filipino students, Bernabe Malvar and Jose A. V. Corpus.

10. A communication from Director Haskell, recommending an increase in salary of Professor Crandall, together with applications from other Professors for increases in salary were laid over until the meeting of the Appropriations Committee in the fall.

11. A communication from Librarian Harris, in regard to the need of additional stack room in the Library, was referred to Trustees Treman, Williams and the Treasurer to investigate and report estimate of cost involved.

12. A communication from Dean Hull, in regard to certain proposed changes in Goldwin Smith Hall was referred to the same Committee with power.

13. On the application of Professor Sampson, clerical assistance for the year 1912-13 was authorized in the Department of English at a cost not exceeding \$200 a year and free tuition and the details referred to the Treasurer with power.

14. Upon the nomination of the President, appointments without salary in the Cornell University Medical College in New York City for the year 1912-13, were made as follows:

LIST OF FACULTY (WITHOUT SALARY).

Austin Flint, M. D., Professor of Physiology, Emeritus.

Rudolph A. Witthaus, M. D., Professor of Chemistry, Emeritus.

Frederic S. Dennis, M. D., Professor of Clinical Surgery, Emeritus.

Newton M. Shaffer, M. D., Professor of Clinical Surgery, Department of Orthopedics, Emeritus.

Alexander Lambert, M. D., Professor of Clinical Medicine.

John A. Hartwell, M. D., Assistant Professor of Surgery and Professor of Clinical Surgery.

William B. Coley, M. D., Professor of Clinical Surgery.

John Rogers, M. D., Professor of Clinical Surgery.

Richard Weil, M. D., Assistant Professor of Experimental Therapeutics.

Dora M. Barnes, A. B., Assistant in Chemistry.

Ralph D. Stillman, M. D., Instructor in Clinical Medicine.

Arthur F. Coca, M. D., Instructor in Experimental Pathology.

Albert C. Crehore, M. D., Instructor in Therapeutics.

William Dunn, Assistant in Experimental Therapeutics.

S. Feldstein, M. D., Assistant in Experimental Therapeutics.

Samuel Milbank, M. D., Instructor in Applied Pharmacology.

Albertus A. Moore, M. D., Instructor in Obstetrics.

Charles Norris, M. D., Demonstrator in Pathological Anatomy.

Eleanor Van Ness Van Alstyne, B. S., Assistant in Experimental Therapeutics.

Charles E. S. Webster, M. D., Instructor in Therapeutics.

Le Roy Broun, M. D., Clinical Instructor in Surgery, Department of Gynecology.

David W. MacKenzie, M. D., Clinical Instructor in Surgery, Department of Genito-Urinary Surgery.

Henry Pearson, M. D., Clinical Instructor in Anesthesia.

Earle Connor, M. D., Clinical Assistant in Surgery, Department of Otology.

Samuel M. Evans, M. D., Clinical Assistant in Medicine, Department of Pediatrics.

George W. Kunz, M. D., Clinical Assistant in Surgery, Department of Otology.

T. Homer Coffen, M. D., Assistant in Medicine.

Walter C. Montgomery, M. D., Clinical Assistant in Surgery, Department of Laryngology and Rhinology.

Thomas A. Mulcahy, M. D. Clinical Assistant in Surgery, Department of Otology.

Rolland D. Tomlinson, M. D., Clinical Assistant in Surgery, Department of Laryngology and Rhinology.

Ernest W. Goode, M. D., Clinical Assistant in Surgery, Department of Laryngology and Rhinology.

M. L. Pinco, M. D., Clinical Assistant in Surgery, Department of Laryngology and Rhinology.

Victor H. Pentlarge, M. D., Clinical Assistant in Surgery, Department of Genito-Urinary Diseases.

DISPENSARY STAFF.

B. Davidson, M. D., Assistant Physician to the Dispensary, Department of Medicine.

J. S. Kenney, M. D., Assistant Physician to the Dispensary, Department of Medicine.

L. A. Wing, M. D., Assistant Physician to the Dispensary, Department of Medicine.

J. M. Lynch, M. D., Surgeon to the Dispensary, Department of Surgery.

George C. Hall, M. D., Surgeon to the Dispensary, Department of Gynecology.

A. A. Rosenbloom, M. D., Assistant Surgeon to the Dispensary, Department of Gynecology.

H. B. Judd, M. D., Assistant Surgeon to the Dispensary, Department of Gynecology.

L. K. P. Farrar, M. D., Assistant Surgeon to the Dispensary, Department of Gynecology.

V. H. Pentlarge, M. D., Surgeon to the Dispensary, Department of Genito-Urinary Diseases.

C. Brendler, M. D., Surgeon to the Dispensary, Department of Genito-Urinary Diseases.

M. L. Pinco, M. D., Surgeon to the Dispensary, Department of Genito-Urinary Diseases.

Swepson J. Brooks, M. D., Assistant Physician to the Dispensary, Department of Neurology.

C. P. Oberndorf, M. D., Assistant Physician to the Dispensary, Department of Neurology.

A. S. Levery, M. D., Physician to the Dispensary, Department of Neurology.

H. W. Frink, M. D., Assistant Physician to the Dispensary, Department of Neurology.

E. T. Ray, M. D., Assistant Physician to the Dispensary, Department of Neurology.

M. E. Van Fleet, M. D., Assistant Physician to the Dispensary, Department of Neurology.

F. W. Stechman, M. D., Assistant Physician to the Dispensary, Department of Neurology.

J. M. O'Neill, M. D., Assistant Physician to the Dispensary, Department of Neurology.

B. Hinkle, M. D., Assistant Physician to the Dispensary, Department of Neurology.

Edwin E. Swift, M. D., Assistant Physician to the Dispensary, Department of Pediatrics.

Lester D. Wise, M. D., Assistant Physician to the Dispensary, Department of Pediatrics.

J. S. Kenney, M. D., Assistant Physician to the Dispensary, Department of Pediatrics.

Charles Lutz, M. D., Assistant Physician to the Dispensary, Department of Pediatrics.

Andrew J. Gilmour, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

Edward Lovejoy, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

Edward H. Marsh, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

C. C. A. Lange, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

W. J. Heimann, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

Thomas A. Mulcahy, M. D., Assistant Surgeon to the Dispensary, Department of Otolaryngology.

Walter C. Montgomery, M. D., Surgeon to the Dispensary, Department of Laryngology and Rhinology.

E. W. Goode, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

Francis W. Baldwin, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

M. L. Pinco, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

Rolland D. Tomlinson, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

Seth B. Sprague, M. D., Assistant Surgeon to the Dispensary, Department of Orthopedic Surgery.

Bertrand F. Drake, M. D., Assistant Surgeon to the Dispensary, Department of Orthopedic Surgery.

A. D. Eisenberg, M. D., Assistant Surgeon to the Dispensary, Department of Ophthalmology.

B. Samuels, M. D., Assistant Surgeon to the Dispensary, Department of Ophthalmology.

D. M. Lombardo, M. D., Assistant Surgeon to the Dispensary, Department of Ophthalmology.

15. The music committee reported they had fixed the salary of Organist Johnston, for the year 1912-13, at \$1500.

16. Leave of absence was granted to Henry Mayer without prejudice to his scholarship from the middle of May to the close of the present academic year.

17. An application from Lieut. Gillmore that two windows in the Armory office be cut down about three feet, was referred to the Treasurer with power.

18. The committee reported that they had arranged with Professor Durham to take charge of all work in connection with the University publications up to Aug. 1, 1912 for \$250. The report was approved.

19. Upon the recommendation of the Committee on Grounds, the Treasurer was authorized to have carried out the plans of Mr. Lowrie for the completion of the grading and the change in University Ave. at Rand Hall at an estimated cost of \$4600.

20. The matter of repairs to East Ave. was referred to the chairman of the Grounds Committee and the Treasurer with power.

21. Consent was given to the payment by the executors of the expenses of the Guiteau Estate for the months of April and May, amounting to \$139.23.

On motion adjourned.

CHARLES D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., June 20, 1912.

Present—Trustees Van Cleef, Williams, R. B., Newman, Treman, and Blood.

Chairman Van Cleef in the chair.

Action was taken as follows :

1. That the Treasurer of Cornell University be authorized to accept a proposition submitted under date of May 20, 1912, by the Knickerbocker Trust Company and the Columbia Trust Company to exchange the University's holdings of the Knickerbocker Trust Company stock for $\frac{5}{12}$ of a share of the Columbia-Knickerbocker Trust Company stock for each share of the Knickerbocker Trust Company and a beneficial certificate representing the University's proportionate share in \$3,000,000 of assets to be liquidated at a later date as outlined in circular letter of above date and for that purpose, E. L. Williams, Treasurer of Cornell University, be and he is hereby authorized to assign 82 shares of the Knickerbocker Trust Company stock held in the name of Cornell University and represented by Certificates B-1223 for 50 shares and B-2206 for 32 shares, and to attach corporate seal thereto.

2. That the Treasurer of the University be authorized to subscribe for 100 shares of the Irving National Exchange Bank stock at \$175 per share in accordance with proposition submitted to stock-holders in the Mercantile National Bank of the City of New York, under date of June 17, 1912.

3. That the United States Mortgage & Trust Co. of New York, beneficiary in a certain trust deed and note for \$375,000 made by the

San Antonio Hotel Co., of San Antonio, Texas, and Edwin Chamberlain, trustee in the aforesaid deed of trust, be authorized and requested upon the payment of \$75,000 to join in a release of that portion of the premises included in said trust deed as follows :

Beginning at the Southeast corner of St. Mary and Travis Streets, Thence East with the South line of Travis Street 155 32 feet ; Thence South on a line parallel with St. Mary's Street 70.8 feet ; Thence West on a line parallel with Travis Street 50 feet ; Thence South on a line parallel with St. Mary's Street 19.2 feet ; Thence West on a line parallel with Travis Street 105 32 feet, to the East line of St. Mary's Street, thence North 90 feet to the place of beginning, in accordance with the provisions of the said trust deed.

4. The Treasurer was authorized to pay to the Gorham Mfg. Company \$1,300 on account of their bill for Goldwin Smith tablet, withholding the balance of contract price until changes in the tablet have been made in accordance with instructions of President Schurman.

On motion adjourned.

E. L. WILLIAMS,
Secretary.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., Aug. 22, 1912.

Present—Trustees Van Cleef, Schurman, Williams, Newman, Treman and Blood. Secretary Williams.

Chairman Van Cleef in the chair.

The minutes of the meetings of June 14, 1912, and June 20, 1912, were read and approved.

Action was taken as follows :

1. Pursuant to the authority granted by the Board of Trustees, the time for the leave of absence voted to President Schurman, was fixed from September, 1912, to September, 1913.

2. The Treasurer was authorized to make the payments of the salary of President Schurman during his leave of absence, in such manner as may be convenient to the President.

3. *Resolved*, That Albert Frederick Pollard, Professor of History in the University of London, England, be, and he is hereby appointed Goldwin Smith Lecturer for the University year 1912-1913, for 15 lectures in the second term, at a compensation of \$100 a lecture plus traveling expenses of himself from England and return, not to exceed \$250.

4. *Resolved*, That W. E. Lunt, now Professor of History in Bowdoin College, be appointed Professor of Modern European History at a salary of \$3,000 per annum, the appointment to take effect immediately.

5. *Resolved*, That for the first term of the year 1912-1913, Dr. S. P. Orth be appointed Acting Professor of Political Science at a salary of \$1,500 for the term, and that for the second term Mr. W. J. Lauck be appointed Acting Professor of Political Science at a salary of \$1,500 for the term.

6. The following resignations from the staff were presented and accepted :

P. E. Smith, Instructor in Histology and Embryology.

F. R. Molby, Instructor in Physics, to take effect at the close of the Summer Session (Aug. 17, 1912).

L. D. Fallis, Instructor in Oratory and Debate.

J. F. Putnam, Instructor in Experimental Engineering.

H. E. Howe, Instructor in Physics.

J. H. Montgomery, Assistant in Chemistry.

Willis A. Gibbons, Assistant in Chemistry.

N. R. Beagle, Assistant in Chemistry.

A. M. Hart, Assistant in Chemistry.

Alfred Jones, Instructor in Philosophy.

E. Jordan, Assistant in Philosophy.

7. Upon the recommendation of the President, the following appointments were made for the academic year 1912-13 :

W. J. Diedericks, who has been appointed Instructor in Machine Design, transferred to the instructorship in Experimental Engineering left vacant by the resignation of J. F. Putnam, without change of salary.

Ralph W. Powell, Instructor in Civil Engineering, at a salary of \$1,000, to fill the vacancy caused by the promotion of Instructor Underwood to an assistant professorship (*vice* Boothroyd, resigned).

Wendell P. Roop, Assistant in Physics at a salary of \$400, *vice* C. E. Power, promoted.

C. E. Power (now Assistant), Instructor in Physics, at a salary of \$800, *vice* A. S. Galajikian, resigned.

Elijah Jordan, (now Assistant) Instructor in Philosophy, at a salary of \$1,000, *vice* Alfred Jones, resigned.

John Raymond Tuttle, Assistant in Philosophy, at a salary of \$500, *vice* E. Jordan, resigned to become Instructor.

Carleton Friend Miller, Assistant in Chemistry, at a salary of \$400, *vice* J. H. Montgomery, resigned.

Walter McMillan Ralph, Assistant in Chemistry, at a salary of \$300, *vice* Willis A. Gibbons, resigned.

Peter Andrew vander Meulen, Assistant in Chemistry, at a salary of \$300, *vice* Nathan Robert Beagle, resigned.

A. E. Parmelee, Assistant in Chemistry, at a salary of \$400. (*vice* Wm. C. Hooley, resigned.)

John Joseph Kennedy, Assistant in Chemistry, at a salary of \$300, *vice* Arthur Marshal Hart, resigned.

Hugh M. Kingery, Assistant in Histology and Embryology, at a salary of \$250, C. Lee Shilliday, Assistant in Histology and Embryology, at a salary of \$500, *vice* P. E. Smith, Instructor, resigned.

Louis Koten, Assistant in Histology and Embryology, at a salary \$250, to fill position left blank last spring.

Harry E. Smith, Instructor in Economics, at a salary of \$1,000, *vice* J. R. Turner.

J. G. Stevens, Assistant in Economics, at a salary of \$500.

Roland Hugins, Assistant in Economics, at a salary of \$500.

Alex. M. Drummond, Instructor in Oratory and Debate, at a salary of \$1,000. (vice L. D. Fallis resigned.)

8. On the nomination of the President, Arthur Gordon, Assistant Professor of Romance Languages and Literatures, was granted a leave of absence, without salary, for the first term of the academic year 1912-13, and to fill the vacancy thus created George H. Brown was appointed Acting Assistant Professor, at a salary of \$750 for the term.

9. On the nomination of the President, appointments in the Summer Session of 1912 were ratified as of July 1, 1912, as follows:

Messrs. H. E. Riegger and F. E. Rice, Assistants in Chemistry, in the places of A. E. Houlehan and John Gaub, resigned, at a salary of \$75 each.

Miss Kate Wool in the place of Fanny C. White, teacher in the Observation School, salary \$75.

W. S. Foster, Assistant in Psychology, at a salary of \$100.

E. A. Doll, Assistant in Education, at a salary of \$100.

Blanche Sherrard, teacher in Observation School, at a salary of \$60.

10. On the nomination of the President, Professor G. P. Bristol, was reappointed Director of the Summer Session for the year 1913, at a salary of \$500.

11. The matter of the staff of instruction for the Sophomore C. E. Summer Survey, was referred to the Treasurer with power.

12. Harold James Tillou, Fred Donmeier, and Charles Arthur Dutcher were appointed Assistants in the Law Library for the year 1912-13, each with a salary of \$100 but not free tuition.

13. A communication from the faculty of the College of Law, requesting that the Commencement be restored to its former date, was referred to the special Committee of which Trustee Mason is chairman.

14. The award of the Boardman Senior Prize Scholarship for the year 1912-13, to Roger Clair Hyatt, was confirmed, and honorable mention was made of Messrs. F. L. Dolfini, L. Ginsburg and H. J. Tillou.

15. The application of Mrs. Tarr for permission to put a window in the Chapel as a memorial of Professor Tarr, was referred to a special committee consisting of the chairman of the Executive Committee and Trustee White, with power.

16. Professor Walter F. Willcox, was appointed a delegate to represent Cornell University at the inauguration of Alexander Meiklejohn, as President of Amherst College, Wednesday, October 16th, 1912.

17. The budget for the administration and supplies of the general Library for 1912-13, was made as follows :

| | | |
|---|-------------|-------------|
| G. W. Harris, Librarian----- | \$ 3,500 00 | |
| A. C. White, Assistant Librarian (Classification) ----- | 2,000 00 | |
| W. H. Austen, Assistant Librarian (Reference) ----- | 2,500 00 | |
| G. L. Burr, Librarian, White Library ----- | 600 00 | |
| W. W. Ellis, Curator of Shelves ----- | 1,500 00 | |
| H. Hermannsson, Curator Fiske Icelandic Collection ----- | 1,500 00 | |
| M. Fowler, Curator, Fiske, Dante, Petrarch Collection ----- | 600 00 | |
| E. S. Ingersoll, Supervisor Order Dept----- | 1,100 00 | |
| J. Thornburg, Head Cataloguer----- | 1,000 00 | |
| Olla P. Ayres, Cataloguer----- | 800 00 | |
| C. A. Van Natten, Cataloguer ----- | 480 00 | |
| M. A. Stubbs, Assistant in charge Periodicals-- | 800 00 | |
| B. Wilder, Assistant in Reference Dept. ----- | 600 00 | |
| A. Gregory, Assistant in Reference Dept.----- | 540 00 | |
| J. B. Gluck, Evening Assistant in Reference Dept. <i>with tuition</i> ----- | 250 00 | |
| P. D. Evans, Evening Assistant in Reference Dept. <i>with tuition</i> ----- | 200 00 | |
| Kathryn Sherwood, Assistant in charge O. S. Circulating Library ----- | 360 00 | |
| L. Leland, Assistant in Order Dept.----- | 480 00 | |
| G. de Grassi, Assistant in Shelf and Reference Depts.----- | 480 00 | |
| Hattie Barnes, Assistant in Periodical Dept. -- | 300 00 | |
| Copyists in Catalogue Dept. paid by the hour-- | 600 00 | |
| Attendants in Reading Room, paid by the hour | 450 00 | |
| Evening Attendants in O. S. Circul. Library, paid by the hour ----- | 140 00 | |
| Labelling and Stamping new books, paid by the hour----- | 200 00 | |
| R. Hankins, Janitor----- | 480 00 | |
| T. Lynch, Janitor----- | 420 00 | |
| Mary Faulkner, Cleaner----- | 360 00 | |
| | <hr/> | \$22,240 00 |
| <i>Miscellaneous Supplies.</i> | | |
| Postage, express and freight----- | 350 00 | |
| Stationery, printing and supplies----- | 500 00 | |
| Furniture and incidental repairs----- | 300 00 | \$ 1,150 00 |
| | <hr/> | |
| Total for Administration and Supplies-- | | \$23,390 00 |

18. The President presented the following :

THE CARNEGIE FOUNDATION FOR ADVANCEMENT OF TEACHING
576 Fifth Ave., New York.

OFFICE OF THE SECRETARY.

June 28, 1912.

My Dear President Schurman :

I have the honor to inform you that in accordance with your recommendation and in conformity with the rules of the Carnegie Foundation, a retiring allowance of Nineteen Hundred and Five Dollars (\$1905) has been voted to Professor Henry Shaler Williams, to be paid in the ordinary way through the University and to become effective on June 13, 1912.

Very truly yours,
CLYDE FURST, Sec'y.

And on motion it was resolved, that Professor Henry S. Williams, who has already passed his sixty fifth birthday and who is retiring on a Carnegie Pension be appointed Professor of Geology, Emeritus, without salary ; this appointment to take effect as of June 13, 1912.

19. The subject of the appointment of Professor Sterrett to a partial research Professorship was referred to a committee consisting of Trustees Williams and VanCleaf, and Deans Hull and Merritt, to consider and report to the full Board.

20. The salary of Professor W. A. Hammond, 'as Secretary of the University Faculty, was fixed at \$500 per annum, to date from August 1, 1912.

21. Mrs. E. H. Barbour, was appointed House Mistress of Sage College, for the Summer Session of 1912, the appointment to date from July 5th, 1912, at a salary of \$100 and home.

22. Mrs. E. H. Barbour was reappointed House Mistress of Sage College and Cottage, for the academic year 1912-13, at a salary of \$800 and home.

23. On the nomination of the Treasurer the staff of administrative appointments for the year 1912-13 was authorized as follows :

Archaeology.

| | |
|-------------------------------------|----------------|
| | Appropriation. |
| S. A. Worden, Janitor, \$45 mo----- | Archaeology |

Architecture.

| | |
|--|-----------------|
| L. C. Gibbs, Steno. and Sec'y to Director \$42 mo----- | Architecture |
| D. W. Wing, Janitor, \$40----- | Care of Bldgs., |
| Student Janitor, ½ time, \$15 mo----- | " " " |

Armory and Gymnasium.

| | |
|--|----------------|
| Lulu Brenner, Steno. (Military) \$34 mo. | Military |
| T. Sheehan, Janitor (Military) \$35 mo. | Care of Bldgs. |
| Floyd Darling, Janitor (Phys. Cult.) \$45 mo. | " " " |
| W. A. Hulbert, Janitor (Phys. Cult.) \$40 mo. | " " " |

Botany.

| | |
|--|--|
| Frieda New, Steno. \$7 week (Prof. Rowlee) | Botany |
| I. J. Campbell, Steno. \$8 week (Prof. Atkinson) | " |
| Robert Shore, Head Gardener, \$100 mo. | " |
| Burt Brown, Asst. Gardener, \$50 mo. | <div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;">{</div> <div style="display: inline-block; vertical-align: middle;"> Botany \$25 Care Bldgs. \$15 Inc Sage Fd. \$10 </div> </div> |
| Jas. Shore, Asst. Gardener and Laby. Janitor \$40 mo. | Inc. Sage Fd. |
| Albert Shore Asst. Gardener \$45 mo. | Inc. Sage Fd. |

Chemical.

| | |
|--|----------|
| L. H. Cole, Clerk, \$780 yr. | Chemical |
| Celia M. Tallmadge, Asst. Clk. and Lbn., \$46 mo. | " |
| Mary Rappleye, Steno., \$34 mo. | " |
| Henry Feehan, Stock room Attendant, \$820 yr. | " |
| Peter Silke, Asst. Stock room Attendant, \$45 mo. | " |
| George Sanders, Head Janitor, \$40 mo. | " |
| John Maher, Janitor, \$40 mo. | " |
| S. Molella, Janitor, \$40 mo. | " |
| I. E. Knapp, Janitor, \$40 mo. | " |
| L. Ezio, Janitor, \$35 mo. | " |

Civil Engineering.

| | |
|---|------------|
| Clinton D. Cass, Mechanician, \$900 yr. | Salaries |
| Eleanor E. Illston, Steno., \$48 mo. | Civil Eng. |
| Gertrude M. Sanford, Librarian, \$45 mo. | " |
| Lena K. Haylett, Steno., \$42 mo. | " |
| L. A. Campbell, Carpenter, \$60 | " |
| G. H. Marshall, Janitor, \$35 mo. | " |
| P. K. Larson, Janitor, \$40 mo. | " |
| George Cazenovia, Laborer, \$40 mo. | " |

English.

| | |
|--|---|
| Clerical Assistant at \$200 and free tuition | " |
|--|---|

College of Law.

| | |
|---|-------------|
| Bessie Marriott, Steno. \$300 yr. (one-half time) | Law School |
| Lawrence Powers, Janitor. \$40 mo. | Care Bldgs. |

Library.

| | |
|---------------------------------------|---------|
| R. Hankins, Janitor, \$40 mo. | Library |
| T. Lynch, Janitor, \$35 mo. | " |
| Mary Faulkner, Cleaner, \$30 mo. | " |

Medical College—Stimson Hall.

| | |
|---|------------|
| B. R. Macmillan, Mechanician, \$60 mo. | Physiology |
| —— ———, Janitor, \$40 mo. | " |
| C. Messer, Janitor, \$35 mo. | " |
| Walter T. Ferrell, Preparator and Janitor, \$35 6 mo. and \$40 after | Histology |
| Lloyd Newhart, Janitor and Embalmer, \$55 mo. | Anatomy |
| Hilda A. Clark, Steno. and Librarian, \$46 mo. | " |

Neurology.

| | |
|---|-------------|
| E. C. Stillwell, Janitor, \$50 mo. | Care Bldgs. |
|---|-------------|

Geology.

| | |
|---|-------------|
| M. Edna Jacquay, Steno. and Accountant, \$42 mo. | Geology |
| H. E. Fournier, Janitor, \$40 mo. | Care Bldgs. |

Goldwin Smith Hall.

| | |
|---|---------------|
| J. C. O'Brien, clerk to Dean Hull, \$500 yr. (one-half time) | Dean's office |
| C. C. Parrott, Steno. to Dean Hull \$50 mo. | " |
| F. Head, Janitor, \$40 mo. | Care Bldgs |
| D. Baldwin, Janitor, \$35 mo. | " |
| Mrs. H. H. Hotchkiss, Cleaner, \$30 mo. | " |
| E. B. Sloat, Attendant Library, \$10 wk. | G. S. Library |

Infirmery.

| | |
|---|-----------|
| H. Sutherland, Superintendent, \$1,200 yr. | Infirmery |
|---|-----------|

Political Science.

| | |
|---------------------------------------|--------------|
| —— ———, Clerk, ½ time, \$300 yr. | P. S. Office |
|---------------------------------------|--------------|

Physics.

| | |
|---|------------|
| F. C. Fowler, Mechanician, \$1,100 yr. | Salaries |
| DeWitt Calkins, Asst. Mech. \$60 mo. | " |
| W. D. Stevens, Stock Keeper, \$50 mo. | Physics |
| Frank Calkins, Lecture Asst. \$50 mo. | " |
| Nellie Lyons, Librarian, Dept. Physics, \$15 mo. | " |
| Nellie Lyons, Steno. Physical Review, \$35 mo. | Phys. Rev. |

| | |
|--|---------|
| Aloysia A. King, Steno. \$42 mo. | Physics |
| Martin Harty, Janitor and App. Asst. \$40 mo. | " |
| Joe Terenzio, Janitor and App. Asst. \$45 mo. | " |
| J. J. Driscoll, Janitor, \$40 mo. | " |
| Mary Quinn, Janitress, \$30 mo. | " |
| Helen L. Griffin, Janitress, \$30 mo. | " |

Graduate School.

| | |
|---|--------------|
| B. Marriott, Clerk, 3 hr. \$35 mo. | Grad. School |
|---|--------------|

Registrar's Office.

| | |
|--|----------|
| Rose M. Clark, Assistant, \$720 yr. | Salaries |
| Helen M. Ross, Assistant, \$600 yr. | " |
| O. W. Smith, Assistant, \$750 yr. | " |
| Clerical Assistance, \$250 yr. | " |

Sibley College.

| | |
|---|------------|
| ———, Mechanician, \$70.83 mo. | Salaries |
| E. W. Gregory, Mechanician, \$66.66 mo. | " |
| G. A. Culligan, Mechanician, \$66.66 mo. | " |
| J. A. Bush, Mechanician, \$45 mo. | " |
| J. C. Bedell, Engineer, \$12.50 cash } \$50 mo. plus \$12.50 rent } fire pumps. | " |
| J. C. Stout, Janitor, \$40 mo. | Care Bldgs |
| T. Quirk, Janitor, \$40 mo. | " " |
| F. Bedell, Janitor, \$40 mo. | " " |
| R. T. Smith, Janitor, \$40 mo. | " " |
| H. A. Corp, Janitor, \$40 mo. | " " |
| ———, Janitor, \$40 mo. | " " |
| W. F. Head, Assistant in Forge, \$40 mo. duties assign .. | " " |
| M. Colquhoun, Clerk, Exp. Eng. \$50 mo. | Salaries |
| E. N. Robinson, Sec'y to Director \$42 mo. | " |
| F. Kramer, Toolkeeper and Repr. \$40 mo. | Mechanical |
| K. Handlen, Steno. \$42 mo. | " |
| Lulu May Markell, Steno. \$42 mo. | " |
| R. L. Shepherd (Miss) Librarian \$42 mo. | " |
| Maud Newman, Clerk and Steno. \$34. | " |

School of Education and Summer Session.

| | |
|-----------------------------------|------------|
| Floy Roberts Steno. \$50 mo. | Department |
|-----------------------------------|------------|

Treasurer's Office.

| | |
|--|----------|
| R. M. Van Order, Assistant, \$1,000 yr. | Salaries |
| E. L. Driscoll, Assistant, \$1,000 yr. | " |
| B. Lewis, Clerk, \$600 yr. | " |

| | |
|---|---|
| L. Roskelly, Clerk and Steno., \$408 yr. | " |
| A. C. Otten, Clerk and Steno., \$600 yr. | " |
| R. Bierce, Clerk and Steno., \$360 yr. | " |
| H. M. Boyd, Clerk and Steno., \$600 yr. | " |
| C. L. Terry, Bookkeeper, \$600 yr. | " |

Electric Service.

| | |
|--|---------------------|
| R. B. Hayes, Supt., \$2,000 yr. | Salaries |
| —— ———, Engineer, \$60 mo. | El. Lt. & Pr. Labor |
| —— ———, Engineer, \$50 mo. | " " |
| —— ———, Helper, \$45 mo. | " " |
| —— ———, Helper, \$45 mo. | " " |
| —— ———, Lineman, \$2.25 per day | Electric Service |
| —— ———, Lineman, \$2.25 per day | " " |
| Fowler, in charge Elec. Motors, etc., \$62.50 mo. | El. Lt. & Pr. Labor |

Grounds.

| | |
|------------------------------------|---------|
| F. C. Evans, Supt., \$100 mo. | Grounds |
|------------------------------------|---------|

Steam Heating.

| | |
|--|--------------|
| M. E. King, Foreman, \$100 per mo. | Heating Lbr. |
| C. B. Cady, Fireman, \$60 per mo. | " " |
| Dana Cornelius, Fireman, \$60 per mo. | " " |
| —— ———, Helper, \$45 per mo. | " " |
| —— ———, Helper, \$45 per mo. | " " |

Water Works.

| | |
|---|------------------|
| E. M. Chamot, Chemist, \$300 yr. | Univ. Water Wks. |
| C. Van Dine, Filter Att., \$50 mo. | " " " |

Repairs.

| | |
|--|----------|
| E. Sprigg, Supt. of Bldgs., \$1,800 yr. (\$200 for car)--- | Salaries |
| A. Nash, Painter, \$800 yr. | Repairs |

Miscellaneous.

| | |
|---|-------------------|
| Wm. McGraime, Janitor, \$40, Pres. and Treas. | Care Bldgs., \$40 |
| Mesr., \$10 | Salaries, \$10 |
| —— ———, Janitor, Sage Chapel, \$40 mo. | Sage Chapel Exp. |
| Patrick Lynch, Janitor, White Hall, \$35 mo. | Care Bldgs. |
| Albert Brown, Nightwatchman, \$55 mo. | Salaries |
| Wm. Banfield, Janitor, \$35 mo. | Care Bldgs. |
| W. J. Hughes, Nightwatchman, \$1.50 night | Inc. Sage Fd. |
| Jas. Collins, University Messenger, \$1.50 per day .. | Salaries |

On motion adjourned to Saturday evening, August 24th, at 7:30 P. M., at the President's office.

C. D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., August 24, 1912.

Present—Trustees Van Cleef, Schurman, Williams, Cornell, Blood, Newman, Treman and Westinghouse. Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of August 22, 1912, were read and approved.

Action was taken as follows :

1. Inquiry having been received as to whether the Sage Block was for sale, it was *Resolved*, That it is the sense of this Board that it is best not to sell the Sage Block at present.

2. WHEREAS by deed dated May 9, 1908, between Franklin C. Cornell, Jr. and others, parties of the first part and Cornell University of Ithaca, N. Y., of the second part, there was conveyed to Cornell University with other property, a right of way, sixteen feet wide, extending to Maple Avenue by an easy curve from the fifty foot strip of land on the south side of the Cornell University coal-siding and along the west side of the siding supplying the F. C. Cornell coal yard and sixteen feet west of the Railroad Company's line after the same is reached by said easy curve and,

WHEREAS it is desired to exchange said right of way for one more favorably situated, to wit, a right of way sixteen feet wide, extending to Maple Avenue from the fifty-foot strip of land on the south side of the Cornell University coal-siding, beginning at Cornell University monument 64 and extending in a southerly direction to Maple Avenue on the easterly side of the west boundary of the land owned by Franklin C. Cornell, Jr. and others, the parties of the first part to the deed above mentioned.

Now Be It *Resolved*, That Cornell University make the exchange as above outlined and that E. L. Williams, Treasurer, be authorized to execute on behalf of Cornell University, a release or deed of conveyance of said first mentioned right of way, in the name and for Cornell University and to attach thereto its corporate seal.

3. On the nomination of the Treasurer, Assistant Professor P. H. Underwood, was appointed Surveyor for the University in place of Professor Boothroyd, resigned.

4. The matter of the disposal of the fund established by the class of 1897, was referred to the University Attorney to consider and report.

5. Consent was given to the transfer of the lease of the J. W. Jenks lot, to Mrs. B. F. Kingsbury.

6. The matter of providing additional book stacks in the Library, was referred back to the special committee, with power, with the suggestion that the policy of installing a portion of the stacks at the present time be considered.

7. The Treasurer, E. L. Williams was authorized to release the Mineral Reservation contained in the deeds to the Lake Region Land Company, for a consideration of twenty-five dollars (\$25) per forty acres, and to attach to such release the University corporate seal.

8. The Treasurer was authorized to act as custodian of the funds of the Cornell Central Club until the same shall be otherwise disposed of.

9. *Resolved*, That the University appreciating the valuable and sacrificing service of the Volunteer Firemen of Ithaca, in the protection of its interests, appropriate the sum \$100 toward their expenses for the past year.

10. *Resolved*, That the University as a holder of all of the bonds of the Cornell Land & Power Company, request the Ithaca Trust Company as Trustee under the mortgage, to release from the lien of the mortgage, two lots on the payment of a sum satisfactory to the Treasurer of the University.

11. *Resolved*, That the privilege granted to members of the 1912 graduating class in the College of Agriculture, to receive the degree of Bachelor of Science in Agriculture, be extended to cover degrees granted this fall.

12. *Resolved*, That Cornell University dispose of $\frac{2}{12}$ s of a share of the stock of the Columbia-Knickerbocker Trust Company, and that E. L. Williams, Treasurer of Cornell University be authorized to assign the same and attach thereto the corporate seal of the University.

13. The matter of alteration in the attic of Morse Hall and in the basement of the Sibley Dome Building, as requested by tenants was referred to the chairman of the Building Committee and the Treasurer with power.

14. *Resolved*, That the matter of specifically appropriating and reporting the disposition of the income received from the College Land Scrip Fund, be referred to a committee consisting of the Treasurer, the chairman of the Finance Committee and the University Attorney, to consider and report.

15. *Resolved*, That the Board of Trustees express to the Ithaca Automobile Club, and its President, Mr. G. S. Tarbell, the thanks and appreciation of the University for the entertainment provided for the members of the American Geographical Society who visited Ithaca on Friday afternoon, August 23rd, 1912.

16. A communication from Mrs. Alonzo B. Cornell in regard to the placing upon the University Campus of a statue of Ezra Cornell, was referred to a committee consisting of Trustees White and Van Cleef, to consider and report.

17. The Secretary reported that Mr. Shepard had asked to be relieved from serving on the special committee to consider the control of Buildings, Grounds and Physical Properties of the University, and that Trustee Carlisle as chairman of the meetings had appointed Mrs. Harriet Tilden Moody in place of Mr. Shepard.

18. Memorandum of the expenses of the Guiteau estate for the month of June, 1912, amounting to \$449.56, was presented and consent given to the payment of same by the executor.

19. *Resolved*, That the Treasurer be authorized to accept of the class of 1912 a fund to be invested by the University with its funds, the income less 5% transferred to the University surplus or Insurance Fund, to be subject to the call of the Life Secretary of the class. The fund when no longer needed by the class to revert to the University for general University purposes, unless the class at some five year reunion meeting designates a particular University purpose for its use.

20. The President presented the following :

August 23, 1912.

Dr. Henry S. Pritchett,
1505 Santa Barbara St.,
Santa Barbara, Calif.

Thanks for congratulations. Absent one year. If we want Crane for Acting President I assume Foundation would have no objection. What about his pension for the year and afterwards. Please wire reply our expense for Trustees meeting here Saturday.

J. G. SCHURMAN.

SANTA BARBARA, CALIF.

August 23, 1912.

President Schurman :

In case Crane becomes Acting President for one year, pension would cease during that year and be resumed at its expiration. I will assume authority to approve this arrangement if you desire it.

HENRY S. PRITCHETT.

And it was *Resolved*, That the duties of the President of the University during the absence of President Schurman, until an Acting President is appointed by the Full Board, be assigned, and they are hereby assigned to Emeritus Professor T. F. Crane, the former Acting President of the University ; and that he enter upon the duties on September 1, 1912.

Further *Resolved*, That the matter of details including salary be referred to a special committee consisting of the chairman of the Executive Committee, the chairman of the Finance Committee, and Mr. Westinghouse, with power.

(Note—This Committee later reported that they had fixed the compensation of Professor Crane at the rate of \$5,000 per year to date from September 1, 1912.)

21. *Resolved*, That the Executive Committee recommend to the Board of Trustees the appointment at their next meeting of Professor Crane, as Acting President, from September 1, 1912, for the period of the leave of absence granted to President Schurman, or until the return of President Schurman, if he should return before its expiration ; and that during said term the duties and powers of the President be assigned to the Acting President.

22. President Schurman reported that he expected to leave Ithaca on August 25th, and was preparing to sail on September 6th, and that during that period he was subject to the call of the committee if there was need of his services, and would be glad to be consulted on University business during his absence if the Trustees at any time desired his opinion ; and the members of the Executive Committee expressed their cordial good wishes to President Schurman for a pleasant voyage, and an enjoyable time during his leave of absence.

On motion adjourned.

C. D. BOSTWICK,
Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., September 17, 1912.

Present—Trustees Van Cleef, Treman, Cornell, Newman, Tyler and Blood. Acting President Crane. Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of August 24, 1912, were read and approved.

Action was taken as follows :

1. In the matter of the class of 1897 fund, the University Attorney recommended that the class be requested to elect two Trustees to fill the vacancies in the membership of the Trustees of the fund, to the end that the Trustees might dispose of the fund according to the wishes of the class; and the Treasurer was requested to ask the class to make such election.

2. The special committee appointed upon the report to be made to the department of the Interior Bureau of Education in regard to the expenditure of the income of the Land Grant fund, reported that they had been advised by the Acting Commissioner, under date of September 10, 1912, that it would not be necessary to break up the expenditures into small amounts paid various instructors, but that a general division between salaries and facilities accompanied by an affidavit that the expenditures had all been made for purposes permitted by the law, would be sufficient.

3. *Resolved*, That the appointment of Trustee Newman as a member of the Committee on Grounds, to succeed Mr. C. E. Treman, be recommended to the Full Board.

4. The Trustees of Cornell University desire to perpetuate upon their minutes their personal sorrow at the untimely death of Professor John Craig and their sense of the great loss which the University has sustained in its teaching staff of one who was a conspicuous example of devotion to scientific research and of loyalty to the interests of the University.

Professor Craig was born at Lakefield in the Province of Quebec, and received his early education in that province. His technical studies were pursued at the Iowa State College and at Cornell University, where he received in 1899 the degree of Master of Science in Agriculture. A year later he was called to Cornell to take charge of Extension Teaching and the Farmer's Reading Courses. In 1893, he was appointed professor of Horticulture, which position he held until his death at Siasconset, Mass., on August 10, of this year.

He was a prolific writer on subjects connected with Horticulture and he instituted the valuable survey-work of orchards in this state. He was also active in horticultural organizations and filled important positions as secretary and editor.

For twelve years he set a splendid example of tireless activity and devotion to his work, which no suffering could wholly conquer. His genial nature made his students his friends, and his gracious hospitality afforded them a second home. His students and his colleagues will not forget his noble personal qualities and the University will ever cherish the memory of his loyal services.

5. The Trustees of Cornell University desire to record their appreciation of the long and varied services of Professor Henry Shaler Williams and their regard for his his high personal character.

A graduate of Yale University in 1868, he was afterwards in the service of that University and professor in the University of Kentucky. His connection with Cornell University began in 1879, when he was appointed Assistant Professor of Geology, becoming later Professor of Geology and Paleontology. He also discharged the duties of Secretary of the Faculty and was Dean of the General Faculty, from 1887 to 1888, when he was called to his alma mater as Silliman Professor of Geology. During this time he maintained, as later, an intimate connection with the United States Geological Survey, and was Associate Editor of the American Journal of Science and Journal of Geology and a frequent contributor to other learned periodicals and societies.

In 1904 he was recalled to Cornell University as Professor of Geology and continued his work with the United States Geological Survey. He now retires to accept a pension under the Carnegie Foundation. The Trustees desire to repeat the cordial expression of their appreciation of his ability and fidelity to the University which they recorded on his resignation in 1892. They further express the hope that he may long enjoy the facilities of the University to which he has generously contributed and continue his distinguished services to geological science.

6. The chairman of the Executive Committee, Trustee Sackett and the Treasurer were appointed a special committee to consult with the Executors of the Guiteau Estate, in regard to the disposition of the balance of the property remaining in the hands of the Executors.

7. Professor E. L. Nichols, was appointed to represent Cornell University at the formal dedication and inauguration of Rice Institute, Houston, Texas, October 10-12, 1912.

8. The Acting President reported that Professor C. E. Bennett, who in May, 1911, was granted a sabbatic leave of absence for the year 1912-13 under the usual conditions, would not be able to avail himself of the leave of absence, and the same was cancelled.

9. Upon the recommendation of Director Moore, leave of absence without prejudice to salary for a period not to exceed six weeks, was granted to Professor D. H. Udall, to enable him to assist in checking an outbreak of disease among horses which has appeared in the West.

10. On the recommendation of the Acting President, leave of absence for the sabbatic year 1913-14, was granted to Professor C. H. Hull, upon half salary, under the statute governing sabbatic leaves, on condition that his work can be carried on to the satisfaction of the President or Acting President without additional cost to the University.

11. The resignation of Professor Hull as Dean of the College of Arts and Sciences, to take effect at the close of the current year, was presented, and a committee consisting of Acting President Crane and Trustees White and Newman, were appointed to consider his resignation and successor.

12. *Resolved*, That Erich Marcks formerly Professor of History in the Universities at Freiberg and Heidelberg and now Dean of the Philosophical Faculty at Hamburg, be and he is hereby appointed, Jacob H. Schiff Lecturer, for a course of lectures during the second term of the current academic year at a compensation of 10,000 marks.

13. The following resignations were presented and accepted :

D. S. Derickson, Assistant Professor of Civil Engineering.

I. M. Bentley, Assistant Professor of Psychology.

D. W. Prall, Instructor in English.

D. S. Cole and S. J. Fuller, Instructors in Electrical Engineering.

H. M. Douglas, Instructor in Mechanics.

W. J. Fisher, Instructor in Physics.

14. On the recommendation of the Acting President, Professor E. B. Titchener was appointed head of the Department of Psychology and Lecturer in the College of Arts and Sciences at an additional salary of \$500 per annum.

15. It was recommended to the Full Board that Harry Porter Weld be appointed Assistant Professor of Psychology for five years at a salary of \$2,000 per annum (*vice* Assistant Professor Bentley, resigned).

16. The salary of W. S. Foster now Assistant in Graduate Psychology was increased \$100 for the year 1912-13 for work as Assistant in the Introductory Course in Undergraduate Psychology.

17. Professor Titchener was authorized to employ a stenographer as needed (estimated at about two hours per day), the same to be charged against his departmental appropriation.

18. The following appointments were made for the year 1912-13 :

Ashley Fly Wilson, Instructor in Civil Engineering, at a salary of \$1,000 (*vice* D. Derickson, resigned).

Melvil Crowell, Instructor in English, at a salary of \$800 (*vice* D. W. Prall, resigned).

W. G. Catlin, Instructor in Electrical Engineering, at a salary of \$800 (*vice* D. S. Cole, resigned).

Harold Brown, Instructor in Electrical Engineering, at a salary of \$1,000 (*vice* S. J. Fuller, resigned).

Ralph B. Day, Instructor in Mechanics in Sibley College, at a salary of \$800 (*vice* H. M. Douglas, resigned).

Charles Wallace Webb, Demonstrator of Anatomy, at a salary of \$500; and Henry K. Davis, Assistant in Anatomy at a salary of \$500. The salaries of both Dr. Webb and Mr. Davis to be paid from the \$1,500 appropriated for an Assistant Professor in Anatomy.

Arthur B. Ray, Assistant in Chemistry, at a salary of \$400 (*vice* F. E. Carruth, resigned).

H. E. Griffith and L. E. Neff, Student Assistants in Political Science, each at a salary of \$150 (to fill positions already provided for).

Kasson S. Gibson, Edward C. Gruen, and Robert W. King, Assistants in Physics, each at a salary of \$400 (*vice* W. J. Fisher, resigned).

19. A Medical Fellowship covering free tuition for the year 1912-13, at Ithaca, was awarded to Maurice Charles Braveman.

20. A Chinese Scholarship covering tuition was awarded to K. S. Lee, for the year 1912-13.

21. At the request of the War Department, free tuition for the year 1912-13, was granted to the Filipino students, Bernabe Malvar, Jose Paez and Jose A. V. Corpus.

22. Trustee C. E. Cornell was appointed temporary member of the auditing committee in place of Mr. C. E. Treman whose term as trustee has expired, and it was recommended to the Full Board that he be appointed to fill the vacancy.

23. The following was presented.

TORONTO, CANADA.
11th September, 1912.

E. L. Williams, Esq.,
Treasurer, Cornell University,
Ithaca, N. Y.

Dear Sir:—

Re Tweddle Mortgage, No. 238.

When this mortgage was taken to Mr. Goldwin Smith, in mistake it covered two houses standing on fifty feet of ground. This is an error, and the mortgage should have applied only to the east half of the lot. We agreed shortly after the mortgage was taken to release the west house, as we have no claim on it, and the owner has called upon us to carry this out.

I may say that I have satisfied myself that there is ample security for the present mortgage in the house remaining, and it was never intended that the mortgage should cover both houses.

We should feel obliged, therefore, if you will sign the enclosed partial discharge in the usual manner on behalf of the University and return it to us at your earliest convenience.

Yours truly,

G. L. SMITH, per C.

24. *Resolved*, That pursuant to the above, E. L. Williams as Treasurer of Cornell University be authorized to release from the lien of said mortgage, the west twenty-five feet of lot No. 222, on the south side of Baker Ave., according to plan No. 743, registered in the Registry Office in the County of York, now in the city of Toronto, and to attach to such release the corporate seal of Cornell University.

25. *Resolved*, that the usual appropriation of \$100 toward the expenses of the Young Womens' Christian Association, be made for the year 1912-13.

26. The bill of Professor Boothroyd for making a map of the campus was referred to the Treasurer with power.

27. The Acting President was authorized to furnish a bond as required by the United States Government, with securities, for the withdrawal free of tax of alcohol for scientific purposes.

28. A communication from Professor Simpson in regard to the housing of animals in connection with the several departments pursuing biological studies, was postponed until the next meeting, as was also the question of lots east of the Risley Hall site.

29. The use of Sage Chapel was granted to Trustee Cornell for the wedding of his niece on the evening of October 3rd, 1912.

On motion adjourned,

C. D. BOSTWICK,
Assistant Secretary.

16. The salary of W. S. Foster now Assistant in Graduate Psychology was increased \$100 for the year 1912-13 for work as Assistant in the Introductory Course in Undergraduate Psychology.

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26. The bill of Professor Boothroyd for making a map of the campus was referred to the Treasurer with power.

27. The Acting President was authorized to furnish a bond as required by the United States Government, with securities, for the withdrawal free of tax of alcohol for scientific purposes.

28. A communication from Professor Simpson in regard to the housing of animals in connection with the several departments pursuing biological studies, was postponed until the next meeting, as was also the question of lots east of the Risley Hall site.

29. The use of Sage Chapel was granted to Trustee Cornell for the wedding of his niece on the evening of October 3rd, 1912.

On motion adjourned,

C. D. BOSTWICK,
Assistant Secretary.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., September 24, 1912.

Present—Trustees Van Cleef, Williams, Newman, Treman and White. Acting President Crane. Secretary Williams.

Chairman Van Cleef in the chair.

The chairman announced that Trustee Tyler was absent from the city for an indefinite period, and for this reason was excused from attendance.

The minutes of the meeting of September 17, 1912, were read and approved.

Action was taken as follows :

1. *Resolved*, That for the present the hours of Sage Chapel service on Sunday afternoons, be changed from 3:15 to 3:30 o'clock.

2. The resignation of W. J. Marsh, Assistant in Chemistry was presented and accepted ; and to fill the vacancy thus created Harry B. Weiser, was appointed Assistant for the year 1912-13 at a salary of \$400.

3. The resignation of Miss C. A. Van Nattan as cataloguer in the library to take effect October 1st, was presented and accepted.

4. A Chinese Scholarship covering tuition for the year 1912-13 was awarded to William Su-hwa Tong.

5. The Acting President was requested to represent the University at the opening of the new Educational Building at Albany.

6. *Whereas*, the recent act of the Faculty requiring upperclassmen to make up drill, will make necessary additional assistants in the Military Department for the current year,

Resolved, That the appointment of six additional officers or as many thereof as may be needed, with free tuition, be authorized.

7. The matter of the representation of Cornell University at the American Road Congress, to be held at Atlantic City from September 30th to October 5th, 1912, was referred to the Acting President with power.

8. An appropriation of \$100 was made to the Cornell University Christian Association toward the expense of publishing the Freshman Hand-book for the current year.

9. A request in regard to the Crew Celebration to be held Friday night, was referred to the Treasurer with power.

10. *Resolved*, That the Ithaca Trust Company, as Trustee, be released from the lien of the Mortgage of the Cornell Land and Power Company, five lots, for consideration satisfactory to the Treasurer.

11. The Treasurer was authorized to have installed in the University Boiler house, a trolley conveyer for carrying coal from the bunkers to the boilers.

12. The Treasurer was requested to obtain prices and plans for a coal handling equipment at East Ithaca, and to report later with his recommendation.

13. The matter of housing animals for the Department of Physiology was referred to the Treasurer to consult with Director Moore and report.

14. A suggestion from Professor Wait that steps be taken to secure the naming after the University of one of the large trees in California, was referred to Trustee Treman with power.

15. The Treasurer was authorized to purchase for Sage Chapel, 600 hymn books, the edition to be selected by Trustee White.

16. An appropriation of \$50, or as much as may be needed, was made for the purchase or erection of a conductor's stand in the Sage Chapel Choir.

17. A contract was authorized with the Stover Publishing Co., for printing the programs in connection with services and recitals in Sage Chapel for the coming year, at a cost of \$205.50 for the Sunday programs, chargeable to Sage Chapel expense, and \$162.00 for the recital programs, chargeable to the Music appropriation.

18. *Resolved*, That in University publications where the names of the Executive Committee are given, there shall also be printed an abstract of or extract from the statute, showing the constitution of the Executive Committee, and the hour of meeting.

On motion adjourned,

CHAS. D. BOSTWICK,
Assistant Secretary.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., October 1, 1912.

Present—Trustees Van Cleef, White, Williams, Blood, Treman and Cornell. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the chair.

The minutes of the meeting of September 24, 1912, were read and approved.

Action was taken as follows :

1. A communication from the Chinese students in the University in regard to holding a convention of Chinese students in American Universities, at Cornell in the Summer of 1913, was referred to the Acting President, Trustee Blood, and the Treasurer with power.

2. Leave of absence, under the statute governing sabbatic leave, was granted to Professor H. H. Norris for the second term of the current year, without prejudice to salary, on condition that his work can be carried on to the satisfaction of the Acting President without additional cost to the University.

3. The following resignations (to take effect at the beginning of the academic year 1912-13) were presented and accepted :

F. McAllister, Instructor in Botany.

A. G. F. Buehler, Instructor in Civil Engineering.

O. W. Boies, Assistant in Chemistry.

V. R. Read, Assistant in Swimming.

4. The following appointments were made for the academic year 1912-13 :

To the twelve assistantships in the department of Military Science and Tactics for which provision was made last spring at a salary of \$100 each and free tuition :

J. D. Corrington, F. H. Burton, C. W. Decker, F. E. Burton, E. C. M. Stahl, C. L. Slocum, L. R. Longfield, J. A. V. Corpus, H. M. Sherwin, Frank Short, K. G. Kaffenberger, A. G. Pounsford.

William Edward Beitz, to be Instructor in Civil Engineering at a salary of \$800 (vice A. G. F. Buehler, resigned).

Clarence Huckle, to be Assistant in Chemistry at a salary of \$300 (vice O. W. Boies, resigned).

R. B. Ostrander, Assistant in Swimming (Department of Physical Culture) at a salary of \$150 without tuition (vice V. R. Read, resigned).

5. On account of additional registration the appointment of another Assistant, at \$400 a year, in the department of Chemistry was authorized.

6. The courtesy of the Chemical Laboratory for the current year was extended to Messrs. Gillett and Lohr, of the United States Bureau of Mines. They to pay for supplies furnished.

7. On the recommendation of the Faculty of the College of Architecture, Mr. Floyd Emery Brewster was appointed for the current year to the free tuition graduate scholarship, in Architecture, authorized December 5, 1911.

8. Tuition was granted to Mr. H. N. Hinckley, a graduate student in the College of Architecture for the current year, on condition that he render service to the College as required by the Director, to offset the amount of tuition.

9. A request from a holder of an Assistantship in the Library, (with salary of \$250 and free tuition) that he be paid in cash the amount of tuition, he already holding a State Scholarship, was denied.

10. WHEREAS, the Ithaca Trust Company of Ithaca, N. Y., is Trustee under a certain Mortgage or Deed of Trust executed by The Cornell Land and Power Company, a corporation of Eau Claire, Wisconsin, to secure its bonds all of which are held by Cornell University, and Whereas, in said Mortgage or Deed of Trust, provision is made for releasing portions of the land covered thereby, on payment of amount satisfactory to the University, and requests are from time to time being received for such releases; therefore be it *Resolved*, that the Ithaca Trust Company as such Trustee be requested to release from the lien of said Mortgage, lots or parcels of land upon the written request of the Treasurer of Cornell University, after payment for such lots or parcels satisfactory to the Treasurer.

11. The Treasurer was instructed to credit the income received on the Cornell Endowment Reserve Fund, for the year 1911-12, to current income for that year.

12. The Treasurer was authorized to consent to the plan of reorganizing, the Wall Street Exchange Building Association, as outlined in the letter of C. W. Morse, of September 28, 1912.

13. The Treasurer was authorized to assent to the reorganization of the Denver Northwestern and Pacific Railway Company as outlined in the letter of George H. Burr & Co., of September 26, 1912; and to

exchange the notes of the Denver Railways Securities Company, held by the University, for the bonds of the Railroad Co., as therein provided.

14. *Resolved*, That Trustee Sackett be requested to represent the Board of Trustees at a meeting of the Associate Alumni of Cornell, Saturday, November 16th, at the Waldorf Astoria Hotel, New York City.

15. *Resolved*, That the fall meeting of the Board of Trustees be called for Thursday, November 7th, at 9 A. M., at the President's office in Morrill Hall.

On motion adjourned.

CHARLES D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., October 14, 1912.

Present—Trustees Van Cleef, White, Newman, Treman, Cornell, Williams and Blood. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of October 1st, 1912, were read and approved.

Action was taken as follows :

1. Upon the report of the special committee, the design of the Memorial window of Professor R. S. Tarr, was approved, and consent given to the erection of same in Sage Chapel. The matter of location and other details were referred back to the committee with power.

2. The Treasurer reported that temporary arrangements had been made for housing the animals of the department of Physiology in the old Contagious Ward of the Veterinary College, and the plan was approved as a temporary measure.

3. *Resolved*, that a committee of which the chairman of the Executive Committee shall be chairman, be appointed to consider the application for a right of way for a proposed street railway from Freeville across the Campus. The chair appointed as additional members of the committee, Trustees Blood, Treman, Williams and the Treasurer.

4. In view of the insufficiency of funds, it was resolved, that all the members of the Board of Trustees be requested to attend and participate in the meeting of the Appropriations Committee to be held on Monday, October 21st, at 9 A. M. at the President's office.

5. The matter of luncheon at the coming meeting of the Board of Trustees was referred to Acting President Crane and the Treasurer with power.

6. \$100 was appropriated to Professor Parson for services in engrossing congratulatory letters, etc., to other institutions.

7. A report from Professor Durham on the University publications, was received and referred to the Appropriations Committee.

8. On the recommendation of the Acting President, it was voted to recommend to the Full Board the advancement of Assistant Professor W. S. Ford, to an Assistant Professorship of the higher grade, for a term of five years, at a salary of \$2,000 per annum. The appointment to date from the beginning of the present academic year.

9. The following resignations, to take effect before the opening of the academic year 1912-13, were received and accepted :—

H. L. Beecher, Instructor in Machine Design.

J. R. Cautley, Instructor in Machine Design.

T. B. Hyde, Instructor in Experimental Engineering.

G. L. Current, Instructor in Experimental Engineering.

D. J. Davies, Assistant in Foundry, Sibley College.

R. E. Seaman, Assistant Pattern Making, Sibley College.

C. Huckle, Assistant in Chemistry.

E. C. Gruen, Assistant in Physics.

10. P. L. Peach, Instructor in Machine Design, was transferred to the department of Experimental Engineering, with corresponding change of title but without change of salary (vice C. L. Current, resigned).

L. A. Wilson, Instructor in Power Engineering, was transferred to the Department of Experimental Engineering, with corresponding change of title but without change of salary, (vice T. B. Hyde, resigned).

11. Upon the nomination of the Acting President, the following appointments were made for the year 1912-13 :—

Leland W. Bennett, Instructor in Machine Design, at a salary of \$800 (vice P. L. Peach, transferred to the Department of Experimental Engineering).

Thomas Armoud Hussey, Instructor in Machine Design, at a salary of \$800 (vice W. J. Diederichs transferred to the department of Experimental Engineering).

Armoud Jacob Joris Van der Does de Bye, Instructor in Machine Design, at a salary of \$800 (vice H. L. Beecher resigned).

E. T. Jones, Instructor in Power Engineering, at a salary of \$800 (vice L. A. Wilson transferred to Experimental Engineering).

Harry Hill Waters and Ralph A. Bown, Assistants in Machine Design, at a salary of \$400 each (vice J. R. Cautley, resigned).

Fred Lee Kitchen, Assistant in Foundry, at a salary of \$750 (vice D. J. Davies resigned).

Oliver William Troutman, Assistant in Pattern Making at a salary of \$750 (vice R. E. Seaman, resigned).

Robert Pohle Dugliss, Assistant in Chemistry, at a salary of \$300 (vice C. Huckle, resigned).

Edward Lawrence Mack, Assistant in Chemistry, at a salary of \$400 (to fill the position created at last meeting of this committee).

Mrs. Laura Gunn Davey, Assistant in Physics, without salary, but free tuition (vice E. C. Gruen, resigned).

A. J. Forsyth, Assistant in Veterinary Anatomy, at a salary of \$250 (Appn. for this made in June, 1912.)

Howard Stanley Bush, Assistant in Pattern Making, at a salary of \$750 (to fill position left blank by Trustees).

George R. Card, Assistant in Pattern Making, at a salary of \$540 (vice H. S. Bush promoted).

12. The title of Assistant Professor R. S. Saby, was changed to read "Assistant Professor of Political Science".

13. The matter of the tuition of Rev. Carl G. McConnell, of Varna, was referred to the Acting President with power.

14. At the request of the War Department, free tuition for the current year, was granted to the Filipino Students, Fernando de la Contera and Manuel S. Concepcion.

15. *Resolved*, That Trustee Herbert D. Mason, be requested to represent the University at the inauguration of the President of the University of Oklahoma; and Mr. Whitney D. Newton, of Denver, Colorado, to represent the University at the inauguration of President Duniway, of the University of Wyoming.

16. *Resolved*, That the University sell to Mr. A. M. Riley, the Mineral Reservation on the land heretofore sold him, in Township 42, 4E, in Iron County, Wisconsin, for \$25 for description, and that the Treasurer be authorized to execute a conveyance of or release of said Mineral Reservation, and to attach thereto the corporate seal of the University.

17. On the recommendation of Mr. G. Larrett Smith, the Treasurer was authorized to execute a partial release of the mortgages in the Goldwin Smith Estate, known as the Smith mortgage, No. 215, and the Price and Straker mortgage, and to attach to said releases the corporate seal of the University.

18. On the recommendation of the Treasurer, Professor Chamot, was appointed Consulting Expert in connection with the University Filtration Plant, at a salary of \$100 per year; and Mr. Clarence Huckle, was appointed Assistant Chemist in charge of the Filtration Plant under the direction of Professor Chamot, at a salary of \$200 for

the calendar year of twelve months, together with a room at the plant, and the remission of his laboratory fees in the Chemical Laboratory.

19. An application from Professor W. L. Williams, that tuition be waived in the case of his son, taking his fourth year in Arts, but most of the work being in the State Colleges, was under the University statute denied.

20. The matter of additional faculty representation at the coming meeting of the Associate Alumni, at New York, was referred to the Acting President with power.

21. Memorandum of the expenses of the Guiteau Estate, for the months of July, August and September, 1912, amounting to \$183.44, was presented and consent given to the payment of same by the executors.

22. Use of the Armory for the afternoons of November 16th and November 28th, for reporting out of town foot-ball games, was granted to the Cornell Boating Association.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., October 22, 1912.

Present—Trustees Van Cleef, Newman, White, Cornell and Blood. Acting President Crane. Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of October 14th, were read and approved.

Action was taken as follows :—

1. Acting President Crane reported favorable action on the application of Rev. Carl G. McConnell for free tuition in the Arts College, for the year 1912-13, which has been referred to him with power.

2. On the nomination of the Acting President, Dr. R. T. Reid was appointed Assistant Medical Examiner at the Gymnasium from the beginning of the academic year to January 1st, at a salary of \$300 for that period, to fill the position provided for in the appointment list.

3. The resignation of L. Koten, Assistant in Histology and Embryology, to take effect October 15, 1912, was accepted; and H. M. Kingery, now Assistant one-half time at \$250, was appointed full time Assistant from October 16th, with salary at the rate of \$500 a year.

4. On the nomination of the Acting President, Arthur J. Eames was appointed Instructor in Botany for the current year, at a salary of \$1000, (*vice* F. McAllister, resigned).

5. The application of Professor Willcox for a Reading Assistant in the Course in Accounting, in the department of Political Science, was referred to the Appropriations Committee with power.

6. The matter of appointing Professor Bauman of the College of Agriculture, to the Faculty of Arts and Sciences, was referred to the Acting President to investigate and report.

7. Under the action of May 17th, 1904, the Treasurer was authorized to pay the bill of Mr. W. H. Vary, Master of State Grange, in visiting the College of Agriculture, and the question of continuing the payment of these expenses from the University Funds, was referred to the Agricultural College Council.

8. Professor W. F. Willcox was appointed a delegate to represent the University at the meeting of the Association of American Universities at Philadelphia.

9. Free tuition for the current year, was granted to Secretary, W. J. Dugan.

10. The details as to charges for room and board at Sage College, during the Chinese Students Convention in the Summer of 1913, was referred to the Treasurer with power.

11. The matter of making certain additions to the house occupied by Professor Merritt, on condition that the rent be raised to an amount equal to 10% on the cost of the addition, was referred to the Treasurer with power.

12. The use of the Armory for a Military Hop, was granted to the Military Department, for the evening of November 8, 1912, on usual terms and conditions.

13. The Treasurer was directed to inform the Telluride Association, and the Delta Phi Fraternity, that the University could no longer permit them to take water from its water system, and to request them to connect with the City main, or make other arrangements immediately.

14. The Treasurer was authorized to reinstate students dropped for non-payment of tuition or fees on tender of the necessary amounts.

15. The following was presented and on motion approved and the recommendations therein contained adopted, and appropriations made as recommended.

CORNELL UNIVERSITY MEDICAL COLLEGE.

NEW YORK, Oct. 19th, 1912.

Present—Acting President Crane, Mr. Place, Drs. Polk, Stimson and Thompson.

A letter from the Secretary of the Board of Trustees advising of the approval of all the recommendations of the Medical College Council May 18th, 1912, was presented and placed on file.

The Dean presented a report on the unexpended balances of appropriations for 1911-12, whereupon it was resolved that the sum of \$14,939.03 be reappropriated for the purposes specified in the report and that the remaining balance amounting to \$4,612.08 be reappropriated and added to the Contingent Fund for the year 1912-13.

Departmental Balances 1911-12 to be reappropriated.

| | | |
|---|-----------|------------|
| Announcements | \$ 653 00 | |
| Supplies, Engineer | 2,408 69 | |
| Laundry | 302 20 | |
| Commencement | 100 00 | |
| Printing, Dispensary | 29 15 | |
| Applied Pharmacology | 15 21 | |
| Clinical Pathology | 33 15 | |
| Ophthalmology | 15 70 | |
| Pathology | 210 06 | |
| Photography | 100 00 | |
| Operative Surgery | 26 26 | |
| Animals and Food | 100 00 | |
| Radiology | 502 59 | |
| Experimental Therapeutics, Wages | 25 00 | |
| Loomis Laboratory | 374 71 | |
| Pharmacology | 600 00 | |
| Loomis Laboratory, Gas | 25 00 | |
| Loomis Laboratory, Electric Light | 35 00 | |
| Loomis Laboratory, Water | 64 80 | |
| G.-U. Research Fund | 555 00 | \$6,175 52 |

Expenditures authorized by the Medical College Council May 18, 1912, Special repairs to buildings.

| | | |
|------------------------------------|-----------|------------|
| Loomis Laboratory | \$ 437 00 | |
| Medical College, (408 E. 26) | 1,515 00 | |
| Medical College, (1st Ave.) | 1,579 50 | \$3,531 50 |

Additional appropriations required for Salaries, Wages, Alterations and Equipment.

| | | |
|--|-----------|--|
| Dr. B. R. Hoebler | \$ 200 00 | |
| Dr. S. Milbank | 200 00 | |
| Dr. S. Feldstein | 480 00 | |
| Dr. B. H. Buxton | 500 00 | |
| Increase in wages for two assistants in Pathology, (\$180-\$120) | 300 00 | |
| Special Nurses for Dr. Coleman | 1,200 00 | |
| Increase in wages of animal man, Dep't Exp. Therapeutics | 120 00 | |

| | | |
|--|--------|-------------------|
| Increase in wages, Dep't of Exp. Path. | 100 00 | |
| Cutting through windows, S. W. corner room 5th floor | 685 00 | |
| Clear wired plate glass, 3 windows..... | 115 00 | |
| Painting rear wall and repairing floor..... | 20 00 | |
| Portable screens with heavy ground glass panels | 317 00 | |
| Expense of Special Physiological Exhibit in Washington | 250 00 | |
| Repairs to skylight and roof over large lecture hall, 29 lights of glass | 100 00 | |
| Three ventilators in large skylight over dis- secting room | 135 00 | |
| For Library Dep't of Pathology | 250 00 | |
| Additional Equipment for Dep't of Ophthal- mology | 150 00 | |
| Removing two laboratory tables in Dep't of Chemistry and furnishing 30 tablet arm chairs | 110 00 | 5,232 00 |
| | | <hr/> \$14,939 02 |

SUMMARY.

| | | |
|--|-----------------------------|------------------|
| Total unexpended balances 1911-12..... | | \$19,551 10 |
| Departmental balances 1911-12 to be reappro- priated..... | \$6,175 52 | |
| Expenditures authorized by Council | 3,531 50 | |
| Additional appropriations required for Salaries, Wages, Alterations, Equipment, etc. | 5,232 00 | 14,939 02 |
| Balance to be reappropriated and added to the Contingent Fund 1912-13 | | <hr/> \$4,612 08 |
| Moved and carried that the Medical College Council make recom- mendations to the Board of Trustees as follows : | | |
| 1. That the sum of \$800 appropriated for the salary of an Assistant in Anatomy, be transferred to the wages list of the Department of Anatomy. | | |
| 2. That the College building be closed on Saturdays at 4 P.M. and the office staff be released at 1 P.M. or so much of it as may be practicable. | | |
| 3. That in conformity with the resolution of Nov. 22, 1902, the following fees for special instruction be paid to the following Instructors : | | |
| Dr. C. R. Stockard | 11 students at \$25 00..... | \$275 00 |
| Dr. E. D. Congdon | 2 students at 25 00..... | 50 00 |

| | | | |
|------------------------|---------------|------------|----------------|
| Dr. J. M. Wheeler..... | 3 students at | 25 00..... | 75 00 |
| Dr. R. A. Hatcher..... | 2 students at | 25 00..... | 50 00 |
| Dr. W. H. Sheldon..... | 1 student at | 25 00..... | 25 00 |
| Dr. W. C. Thro | 1 student at | 50 00 } | 75 00 |
| | 1 student at | 25 00 } | |
| | | | <hr/> \$550 00 |

4. That the question of repairs to, and the future disposition of the old Medical College property at 408-412 East 26th Street, be referred to a Committee consisting of the Dean and Dr. Thompson.

5. That the tuition fees of Abraham Kardiner, 2nd year, and M. I. Smith, 4th year, be remitted on account of service to be rendered by them in the Departments of Physiology and Pharmacology respectively during the session of 1912-13.

6. That the applications of J. H. Morris and Katherine H. Degnan to give notes in adjustment of their tuition fees for 1912-13 be referred to a Committee consisting of the President and the Dean with power.

7. That Dr. Stanley K. Benedict, Assistant Professor of Chemistry be recommended by the President to the Board of Trustees for a full Professorship in the Department of Chemistry.

8. That Dr. W. L. Niles, Instructor in Medicine, be promoted to the grade of Assistant Professor of Clinical Medicine.

9. That Dr. Otto H. Shultz, Assistant Professor of Pathological Anatomy and Medico Legal Pathology, be promoted to the grade of Assistant Professor of Pathological Anatomy and Professor of Medico Legal Pathology and that his salary be increased \$250 a year, to be paid out of the appropriation of \$2500 already made for an Assistant Professor of Pathology.

10. That Dr. W. H. Tytler be appointed an Instructor in Pathology at a salary of \$800 a year to be paid out of the appropriation of \$2500 already made for an Assistant Professor of Pathology.

11. That the appointment of Dr. Oscar Teague, Assistant in Experimental Pathology, at a salary of \$1200 a year be recommended. The amount to be paid out of the \$2500 already provided in the budget for an Assistant Professor of Pathology.

12. That an appropriation not to exceed \$50 be made for the purchase of additional equipment for the Department of Surgery.

13. That the title of the "Department of Genito-Urinary Diseases" be changed to "Department of Urology."

14. That the facilities of the College be placed at the disposal of the Clinical Congress of Surgeons of North America on November 13th and 14th, 1912, and any necessary suspension of exercises resulting therefrom be authorized.

15. That the question of the distribution of the Alexander instruments for use in Bellevue Hospital be referred to the Dean with power.

16. The report of the annual inspection of the Dispensary by the State Board of Charities was presented and placed on file.

17. The Dispensary reports for the months of May, June, July, August and September, 1912, were presented and placed on file.

Moved and carried that the minutes of this meeting be approved as read.

The meeting then adjourned.

J. THORN WILLSON,
Secretary of the Council.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., October, 29, 1912.

Present—Trustees Van Cleef, White, Blood, Treman, Newman and Cornell. Acting President Crane. Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of October 22, 1912, were read and approved.

Action was taken as follows :

1. The matter of the purchase of 30 acres of the McDaniel's farm adjoining the Hasbrouck property now used by the Poultry Department, was referred to the Agricultural College Council.

2. The following resignations in the Medical College in New York City, to take effect at the opening of the present academic year, were received and accepted :

Cyrus W. Field, Assistant in Pathological Anatomy (\$500).

William Tompkins, Assistant in Medicine and Physician to the Dispensary (\$300).

Dorothy Craig, Assistant in Anatomy (\$800).

George H. Kirby, Chief of Clinic, Dept. of Psychopathology (\$100).

Brainerd Whitbeck, Clinical Instructor in Surgery, Department of Orthopedics (\$100).

Dora M. Barnes, Assistant in Chemistry (no salary).

3. On the nomination of the Acting President, appointments in the Cornell University Medical College in New York City, for the year 1912-13 were made as follows :

B. R. Hoobler, Assistant in Clinical Pathology, to be Instructor in that subject, and his salary increased from \$700 to \$900.

Ernest D. Clark, to be Instructor in Chemistry, at a salary of \$1000, provided in the budget.

Eleanor V. N. Van Alstyne, Assistant in Experimental Therapeutics without salary, to be Instructor in that subject, at a salary of \$1000 a year, provided in the budget.

Edwin F. Sampson, to be Assistant in Pathological Anatomy at a salary of \$500 a year, *vice* Cyrus W. Field, resigned.

John S. Kenney, to be Assistant in Medicine, and Physician to the Dispensary, at a salary of \$300 a year, *vice* William Tompkins, resigned.

C. McPhie Campbell, Clinical Instructor in Medicine, to be Chief of Clinic, Department of Psycopathology, without change of salary, *vice* George H. Kirby, resigned.

4. The title of C. L. Gibson, Professor of Surgery was changed to be Assistant Professor of Surgery, and the salary fixed at \$250.

5. On account of reduction in work the salary of Cary Eggleston appointed Instructor in Materia Medica at a salary of \$800 per year, was reduced to \$500 per year.

6. E. S. Morris was appointed Assistant in Modern European History for the year 1912-13, at a salary of \$250 (to fill the vacancy authorized in the appointment list).

7. On the nomination of the Acting President, leave of absence for the college year 1913-14, was granted to Assistant Professor Paul R. Pope, on half salary, under the statute governing sabbatic leave, and on condition that his work can be carried on to the satisfaction of the President, without additional cost to the University.

8. On the recommendation of the Appropriations Committee, it was recommended to the Board of Trustees, that the appropriation for the Law School, as contained in the report of the Appropriations Committee, be increased \$100, and that Dean Irvine be authorized to distribute the total of the Law School appropriation between the necessary administrative expenses, lectures and library, as he thinks best.

9. The Sports and Pastimes Association were granted the use of the Armory, for Saturday, November 23rd, from 6 P. M., for a benefit entertainment, and such use of the Armory for decoration as may not interfere with the other uses of the building on that day.

10. Questions raised by Mrs. Martin, Adviser of Women, as to the administration of Prudence Risley Hall, were referred to the Sage College Committee, with Trustees White and Moody added, to investigate and report.

The matter of the relation of the Adviser of Women, to the several Faculties of the University, was also referred to the same Committee to investigate and report.

11. The application of the C. U. C. A., for permission to make certain changes in Barnes Hall, was laid upon the table until the next meeting of this committee.

12. On the recommendation of the Treasurer, The Windsor Trust Company of New York, was named as a depository for funds of the University temporarily uninvested.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees

ITHACA, N. Y., November, 7, 1912.

Present—Trustees Cornell, Barr, Beahan, Blood, Boldt, Carlisle, Edwards, Hiscock, Ickelheimer, Mason, Miller, Moody, Newman, Place, Pratt, Sackett, Sewell, Shepard, Taylor, Treman, Van Cleef, Westervelt, Westinghouse, White, Williams and Wilson. Acting President Crane. Secretary Williams.

Trustee Boldt was called to the chair.

Letters regretting their inability to be present were received from Trustees Woodford, Morris and Sisson, and their absence was excused.

The following resolution was unanimously adopted, (Trustee White not voting) and the Secretary was instructed to have the same engrossed, signed by the Trustees, and presented to Dr. White.

THE BOARD OF TRUSTEES OF CORNELL UNIVERSITY TO ANDREW DICKSON WHITE

Having fixed as the date of this regular autumn meeting November seventh, the eightieth anniversary of your birth, the Board of Trustees of Cornell University desire to present to you this more formal expression of their collective congratulations in addition to their personal and individual felicitations.

It is indeed a difficult, almost an impossible, task to enumerate, even briefly, your titles to their gratitude and affection.

Your inestimable services to Cornell University began by obtaining in 1865 the passage of the Bill conferring its Charter by the Senate of the State of New York, a body of which you were then a member, in the face of an organized and determined opposition.

For the first twenty years of the history of Cornell University yours was the mind which planned its organization and development. To you are due the broad foundations of liberal culture and academic freedom on which the imposing structure of the present has been reared. Your devotion to the highest interests of the state and your participation in public affairs kept the University in touch with the national life and reflected upon it the honor you had won in the service of your country and of mankind.

But it is your services as a trustee of the University which this Board desires especially to commemorate today. By virtue of office or by election you have shared its deliberations for nearly fifty years. Fortunately for it your retirement from the presidency did not involve your absence from Ithaca and as a member of the Executive Committee you have continued to render constant and arduous service to the University.

As the University has grown its problems have become more and more complex and difficult, and their solution has demanded a wide range of knowledge, deep acquaintance with men and business affairs, keen judgment and unflinching tact. These qualities acquired by you from a long and varied experience as educator and statesman, you have freely placed at the service of the Board and of the University, and they have been of inestimable value in many a delicate and intricate situation,

Your generosity displayed in every stage of the University's history has been continued to the present time.

Your profound knowledge of Architecture, Music and the Fine Arts has been a guide to the Board in the material development of the University and in promoting the liberal culture of its students.

Finally the Board cannot estimate, but can only gratefully indicate, its appreciation of the salutary influence exerted upon the entire community by a life like yours unselfishly devoted to the intellectual and civic welfare of your country.

Action was taken as follows :

1. Emeritus Professor T. F. Crane, was elected Acting President of the the University, from September 1, 1912, for the period of the leave of absence granted to President Schurman, or until the return of President Schurman, if he should return before its expiration ; and during said term the duties and powers of the President of the University were assigned to the Acting President.

2. The minutes of the meeting of this Board of June 12, 1912, were approved as printed and

The minutes of the Executive Committee from June 14, 1912, to October 29, 1912, inclusive, were approved as printed, and the action therein contained ratified and confirmed.

3. A letter was presented from Mr. Emerson McMillin, suggesting that his resignation, presented to the Board on October 21, 1912, be acted upon, and on motion his resignation was accepted, and the Secretary instructed to convey to Mr. McMillin the sincere regret of the Trustees at losing his services on the Board, which he had served in such an agreeable and helpful manner.

4. Trustee Newman was elected to the Committee on Grounds, to

fill the vancancy caused by the expiration of the term of former Trustee C. E. Treman.

5. Trustee Cornell was elected a member of the Auditing Committee (*vice* C. E. Treman).

6. By ballot duly had, the following were elected :

S. P. Orth, to be Acting Professor of Political Science for the first term of the academic year 1912-13, at a salary of \$1500 for the term.

W. J. Lauck, to be Acting Professor of Political Science, for the second term of the academic year 1912-13, at a salary of \$1500 for the term.

H. S. Williams, to be Professor of Geology, Emeritus, without salary, the appointment to take effect as of June 13, 1912.

W. E. Lunt, to be Professor of Modern European History, at a salary of \$3,000 per annum, the appointment to take effect at the beginning of the current academic year.

A. B. Recknagel, to be Professor of Forestry in the New York State College of Agriculture, for balance of year 1912-13 at a salary, at the rate of \$2,750 per year. Appointment to take effect February 1, 1913.

Harry Porter Weld, to be Assistant Professor of Psychology for a term of five years, from August 1, 1912, at a salary of \$2,000 per annum.

W. S. Ford, to be Assistant Professor of Electrical Engineering, for a term of five years, from August 1, 1912, at a salary of \$2,000 per annum.

Stanley K. Benedict, to be Professor of Chemistry in the Cornell University Medical College in New York City, for the year 1912-13 at a salary of \$2,500.

Otto H. Schultze, to be Assistant Professor of Pathological Anatomy and Professor of Medico-Legal Pathology, in the Cornell University Medical College, in New York City, for the year 1912-13, at a salary of \$2,500.

7. Acting President Crane was authorized to grant degrees as of September 25th, 1912, on the recommendation of the respective faculties.

8. That portion of the report of President Schurman, recommending that additional participation in the administration of the University, be given to the Faculty, was made the special order of business, at the next regular meeting of this Board.

9. The date of the next regular meeting of the Board was referred to the chairman of this meeting, and the Acting President, with power, with the suggestion that it come between January 10th and February 10th.

10. The report of the President as of August 1, 1912, was received and placed on file.

11. The report of the Treasurer as of August 1, 1912, was received and placed on file.

12. The following report of the Appropriations Committee was presented and approved, and the recommendations therein contained adopted, and the appropriations therein recommended made.

| GENERAL EXPENSES | 1912-13 | | |
|-------------------------------------|------------------|---|--|
| | Re-appropriation | Practically fixed or already appropriated | Minimum appropriation deemed necessary by Appropriations Committee |
| <i>Salaries</i> | | | |
| Congressional Ind. Fd. | | \$480,234 20 | \$ 500 00 |
| English | | 1,000 00 | |
| Mathematics, etc. | | 9,000 00 | |
| Mechanical | | 17,000 00 | |
| College Land Scrip | | 34,428 80 | |
| Gold.-Sm. Profs. and Increases | | 24,232 00 | |
| Schiff-Increases | | 1,700 00 | |
| | | <hr/> | <hr/> |
| | | \$567,595 00 | \$500 00 |
| Gold.-Sm. Special Fd. | | 8,750 00 | |
| Schiff-Non-res. lecturer | | 2,800 00 | |
| | | <hr/> | |
| | | \$11,550 00 | |
| <i>Fellowships and Scholarships</i> | | | |
| 2 Fellowships @ 600 | | \$ 1,200 00 | |
| 21 " @ 500 | | 10,500 00 | |
| 16 Grad. Schl. @ 300 | | 4,800 00 | |
| 36 Undergrad @ 200 | | 7,200 00 | |
| | | <hr/> | |
| | | \$ 23,700 00 | |
| Boardman Sen. Law | \$ 20 62 | 100 00 | |
| Fraser Law | | 150 00 | |
| M. F. Hall Scholarship | 566 75 | 950 00 | |
| Padgham " | 97 38 | 150 00 | |
| C. H. Roberts " | | 1,200 00 | |
| J. N. Smith " | 114 62 | 162 50 | |
| Schiff German | | 500 00 | |
| | | <hr/> | |
| | | \$26,912 50 | |
| <i>Prizes</i> | | | |
| Mrs. A. S. Barnes | \$130 46 | \$ 50 00 | |
| Philo S. Bennett | 124 74 | 20 00 | |
| Class '94 Debate | 19 73 | 94 00 | |
| Class '86 Memorial | 120 62 | 95 00 | |

| | | |
|--------------------------|--------|----------------|
| Corson Browning | | 52 50 |
| Corson French | 50 67 | 63 00 |
| Fuertes Medal | 58 79 | 50 00 |
| Guilford Essay | 22 68 | 150 00 |
| Hollingsworth Vet. | | An annual gift |
| Luana L. Messenger | 255 56 | 50 00 |
| J. T. Morrison | | An annual gift |
| Frances Sampson | 62 01 | 30 00 |
| W. C. Seidell Book | 165 16 | 50 00 |
| Sibley | | 100 00 |
| White Veterinary | 33 98 | 25 00 |
| Woodford Medal | 436 15 | 125 00 |
| | | <hr/> |
| | | \$954 50 |

Interest and Annuities

| | |
|-------------------------|------------|
| Fiske Monzechi | \$2,200 00 |
| Fiske Grimsey | 1,000 00 |
| Preswick Annuity | 300 00 |
| Mitchell Interest | 225 00 |
| | <hr/> |
| | \$3,725 00 |

Maintenance Depts.

| | | |
|---|-------------|-------------|
| Buildings—Care of | \$11,300 00 | |
| Buildings—Repairs of | 13,000 00 | |
| Electric Service | | 2,500 00 |
| Electric L. and P. Labor | 3,500 00 | |
| Fuel | 19,700 00 | |
| Goldwin Smith Repairs | 250 00 | |
| Grounds, Care and Orna- mentation | | 6,830 00 |
| Grounds, Rand Hall and East Avenue | 4,117 63 | 1,000 00 |
| Grounds, Spraying Elms | 350 00 | |
| “ Central Ave. | 660 00 | |
| “ C. N. Lowry. | 750 00 | |
| Heating Plant Changes | 450 00 | |
| Heating Labor | 5,000 00 | |
| Steam and Water Repairs | | 4,500 00 |
| Water Works | 2,200 00 | |
| Morse Hall Steam Ext. | 2,550 00 | |
| Lowering fire main | 500 00 | |
| | <hr/> | <hr/> |
| | \$60,210 00 | \$14,830 00 |

Operating Expenses

| | |
|--------------------------------|------------|
| Administrative Offices | \$5,500 00 |
| Advertising and Lectures | 710 56 |

| | | | |
|---------------------------------|--------|--------------------|-------------------|
| Attorney Fees and Expenses..... | | 1,500 00 | |
| C. U. C. A. Handbook..... | | 100 00 | |
| Chimes..... | | 250 00 | |
| Contingent..... | | 7,000 00 | |
| Diplomas and Commencement..... | | 1,500 00 | |
| Insurance..... | | 500 00 | |
| Reading Entrance Exams.... | | 500 00 | |
| Trustee Traveling Exp..... | | 1,500 00 | |
| University Publications..... | 830 02 | | 5,200 00 |
| Memorial Tablets..... | 499 98 | 53 85 | |
| | | <hr/> \$ 18,403 85 | <hr/> \$ 5,200 00 |

Miscellaneous

| | | | |
|-------------------------------|----------|-------------------|----------------|
| Athletic Ass'n Rent..... | | \$ 200 00 | |
| Guiteau Fund..... | 7,132 01 | 12,260 00 | |
| Infirmary..... | | 33,000 00 | |
| Sage Chapel | | | |
| Dean Sage Sermon Fund.... | 2,179 74 | 3,790 00 | |
| Expense..... | | 800 00 | |
| Organ Repairs..... | | 150 00 | |
| Sunday Programs..... | | 322 50 | |
| Hymn Books..... | | 360 00 | |
| Conductor's Stand..... | | 50 00 | |
| Sage College..... | 2,515 40 | 21,500 00 | |
| Hasbrouck Property..... | | 500 00 | |
| Risley Hall Water..... | | 207 80 | |
| Residential Halls Com..... | | 2,000 00 | |
| | | <hr/> \$75,140 30 | |
| Polish Student Loan..... | 21 82 | 5 00 | |
| Class 1908 Fund..... | | 25 00 | |
| " 1912 "..... | | 41 00 | |
| Debate Council..... | | | 100 00 |
| Woman's Guild..... | 1,288 98 | 325 00 | |
| Wurtz Loan Fund..... | 44 60 | 113 00 | |
| Transferred to Principal..... | | 15,103 00 | |
| | | <hr/> \$15,612 00 | <hr/> \$100 00 |

DEPARTMENTS.*Agriculture*

| | |
|----------------------------|-------------|
| Congressinal Ind. Fd..... | \$20,000 00 |
| General Appropriation..... | 5,700 00 |

| | | |
|---------------------------|----------|-------------|
| Experiment St. Hatch..... | | 15,750 00 |
| “ Adams | \$885 87 | 15,750 00 |
| “ Income..... | 587 03 | 100 00 |
| Agr. Loan Fund..... | 75 76 | 15 00 |
| | | <hr/> |
| | | \$57,315 00 |

Architecture

\$329 00

\$2,700 00

Arts and Sciences

| | | |
|-----------------------------|--------|-----------|
| Dean's Office Expense | 204 01 | 1,450 00 |
| Lectures | 53 74 | G-S |
| Reading Room and Library .. | 9 75 | G-S |
| Faculty Com. Educ. Policy.. | 15 10 | 50 00 |
| American School Athens..... | | G-S |
| “ “ Rome | | G-S |
| “ “ Jerusalem.. | | G-S |
| (a) Arts Departments | | |
| Archaeology-Classical | 37 22 | 1,000 00 |
| Economics and Politics..... | 44 40 | 50 00 |
| “ Statistics | 39 18 | 50 00 |
| “ Acc. and Reader .. | 9 93 | 200 00 |
| “ Distribution .. | 39 04 | 50 00 |
| “ Office Expense .. | 5 72 | 250 00 |
| Publishing Studies | 400 80 | |
| Education-School of | 63 08 | 1,000 00 |
| English | 24 61 | G-S |
| French | | G-S |
| German | 428 03 | G-S |
| Greek | | G-S |
| History-American | 321 48 | |
| “ Ancient | 13 51 | G-S |
| “ Mediaeval..... | 27 77 | |
| “ Modern European.. | 50 67 | G-S |
| Latin | 19 74 | G-S |
| Oratory | 170 81 | G-S |
| Philosophy..... | 175 76 | |
| “ Aesthetics..... | 83 32 | G-S |
| Psychology | 221 70 | 1,250 00 |
| Philosophical Review | 219 09 | 1,000 00 |
| Semitics..... | 74 71 | G-S |
| Classical Studies | 229 29 | |
| (b) Science Departments | | |
| Astronomy..... | 3 47 | 40 00 |
| Botany..... | 844 31 | 3,800 00. |

| | | |
|-------------------------------|----------|-----------|
| Chemistry (Min. p. 510) ----- | 500 00 | 30,000 00 |
| " Bancroft ----- | | 1,500 00 |
| Geology ----- | 935 32 | 2,000 00 |
| Mathematics ----- | 172 50 | 50 00 |
| Physical Review ----- | 2,906 95 | |
| Physics ----- | 87 46 | 10,000 00 |
| Vertebrate Zoology ----- | 13 65 | 1,200 00 |
| <i>Civil Engineering</i> | | 5,700 00 |
| Junior Survey ----- | | |
| Sophomore Survey ----- | | 1,400 00 |

Graduate School

| | | |
|---------------------|--------|--------|
| Dean's Office ----- | 132 68 | 700 00 |
|---------------------|--------|--------|

Law

| | | |
|-------------------|--------|----------|
| | 312 46 | 1,100 00 |
| Law Library ----- | 19 28 | 2,500 00 |

Library

| | |
|----------|---------------|
| 3,332 43 | (Employees) |
| | 23,390 00 |
| | Funds |
| | 16,750 00 |
| | Fiske |
| | 6,309 25 |
| | White Liby |
| | 800 00 |
| | <hr/> |
| | \$47,249 25 |

Medical—Ithaca

| | | | |
|-----------------------------|--------|---|----------|
| Anatomy and Gen. Expenses | 692 13 | } | 8,325 00 |
| Bacteriology ----- | 202 51 | | |
| Histology ----- | 21 64 | | |
| Physiology and Biochemistry | 480 07 | | |
| Embryology Research ----- | 32 79 | | |

Medical—New York

| | | | |
|-------------------------|--------|------------|--------------|
| Loomis Laboratory ----- | 348 29 | 5,900 00 | |
| Polk Prize ----- | 96 27 | 5 06 | |
| <i>Summer Session</i> | | over draft | \$ 3,735 26 |
| | | | 27,500 00 |
| | | | <hr/> |
| | | | \$ 31,235 26 |

Sibley College

| | | | |
|-------------------------------|------------|---------------|-----------------------|
| | | | \$ 12,000 00 |
| Mech. Laby. Equip.----- | | | |
| Moving Shops.----- | \$2,241 55 | | |
| Congressional Ind. Fd.----- | | | 3,000 00 |
| | | | <u>\$ 15,000 00</u> |
| <i>Music</i> | | | |
| (including salaries)----- | 10 28 | 7,012 00 | |
| Orchestra Concerts----- | | | \$ 100 00 |
| <i>Physical Education</i> | | | |
| Military----- | 62 79 | | 900 00 |
| Physical Culture----- | 51 25 | | 2,250 00 |
| | | \$ 898,585 40 | \$ 147,480 26 |
| | | | 898,585 40 |
| | | | <u>\$1,046,065 66</u> |
| Available estimated income--- | | | 1,033,070 00 |
| | | | <u>\$ 12,995 66</u> |

Your committee make the following recommendations :

1. That the items amounting to \$69,340 shown on page 1 be restored to current income.
2. That additional income be secured to cover the above deficit.
3. That appropriations for the year 1912-13 be made as above listed.
4. That the unexpended balances from 1911-12 as shown in the treasurer's report be reappropriated.
5. That the salary of Prof. Chas. L. Crandall of the College of Civil Engineering be increased to \$3,500 per annum to date from Aug. 1, 1912.
6. That the other applications for increases of salary referred to this committee be denied for the present.
7. That books be purchased from the Library Fund and not from departmental appropriations.
8. That the following items omitted from the above list be appropriated payable from the income of the Goldwin Smith Special Fund.

| | |
|--|----------|
| Arts Lectures----- | \$400 00 |
| Goldwin Smith Reading Room and Library | 375 00 |
| American School at Athens----- | 250 00 |
| “ “ “ Rome----- | 250 00 |
| “ “ “ Jerusalem----- | 100 00 |
| English----- | 250 00 |
| French----- | 75 00 |

| | |
|-------------------------------------|------------------|
| German | 75 00 |
| Greek | 50 00 |
| History, Ancient..... | 50 00 |
| " Modern European..... | 50 00 |
| Latin (including lantern \$90)..... | 150 00 |
| Oratory..... | 150 00 |
| Philosophy-Aesthetics..... | 60 00 |
| Semetics..... | 100 00 |
| | ————— \$2,385 00 |

9. That \$300 be appropriated from the income of the Jacob H. Schiff Lectureship Fund for an instructor from some German Gymnasium for the summer session.

10. That the committee on appropriation be authorized to prepare in the spring of the year 1913 a budget for the appropriation of the year 1913-14 so made up as to include in one schedule the estimated income and the proportion thereof which is available to each department for salaries, equipment and all other expenses of such department.

T. F. CRANE,
J. T. NEWMAN,
M. VAN CLEEF,

Committee.

The Board adjourned to accompany Trustee White to Goldwin Smith Hall, to receive the congratulations of the student body upon his 80th birthday.

On re-assembling—

13. The chairman announced that Trustee Ickelheimer, has signified his desire to present to the University in commemoration of Dr. Andrew D. White's 80th birthday, a statue of Mr. White, and had arranged to have same made by Mr. Karl T. Bitter. On motion the gift was accepted, with the hearty appreciation of the Trustees.

14. The committee appointed to consider the income and expense of student instruction, presented its report, and on motion it was resolved, that the committee be continued, that it be requested to gather and report at the next meeting of this Board, such information, bearing on the subject of raising tuition fees, as may seem pertinent, and especially to report a schedule of tuition fees, charged in other Universities, in Colleges or Departments corresponding to those now under consideration.

15. The following was presented :

The Committee to which was referred the question of the resignation of Dean Hull of the College of Arts and Sciences and the question of his successor would report that Dean Hull, in view of his duties to his professorship and his projected scholarly work, feels unable to reconsider his resignation.

The Committee, therefore, recommends that his resignation be accepted with the following memorandum to be placed upon the Minutes of the Trustees and communicated to Dean Hull.

The Trustees of Cornell University accept with great regret the resignation by Dean Hull of the office of Dean of the College of Arts and Sciences, in which office for five years he has rendered efficient and valuable service to his College and to the University.

In regard to his successor, the Committee recommends that the statute be waived and the choice of a dean be referred to the College of Arts and Sciences.

T. F. CRANE,
Chairman.

Nov. 6, 1912.

Resolved, That the foregoing report be adopted, except that action upon Dean Hull's successor be delayed until the next regular meeting of this Board.

16. A petition from students in the University, that Monday, December 23, 1912, be declared a University holiday, was referred to the University Faculty.

17. Acting President Crane reported that owing to the recent change in the Army Law, there was danger of the detail of Lieut. Gillmore being terminated, but that he was endeavoring to arrange to secure the continuation of Lieut. Gillmore's services at Cornell.

18. On the nomination of the Acting President, Professor A. B. Faust was appointed a delegate to represent Cornell University at the International Historical Congress, in London, April, 1913.

19. Acting President Crane reported that Mr. Charles H. Baker, a graduate of the University in the College of Civil Engineering, in the class of 1886, had expressed his desire to establish in the College of Civil Engineering, a public speaking prize, for the benefit of the Junior and Senior students, in the College of Civil Engineering, but available likewise to those in Mechanic Arts, Architecture and similar avocational courses; and on motion the proposed gift of Mr. Baker was accepted, and the Secretary instructed to transmit to Mr. Baker the sincere thanks of this Board for his generous action.

The matter of details in regard to the establishing of the fund, was referred to the chairman of the Finance Committee and the Treasurer with power.

20. Trustee Moody was elected an additional member of the Sage College Committee.

21. The following was presented and on motion approved, and the recommendations therein contained adopted.

AGRICULTURAL COLLEGE COUNCIL MEETING, NOVEMBER 6, 1912.

Present—Chairman T. B. Wilson, Acting President Crane, Trustees, Carlisle, Barr, Beahan, Pratt and Miller; also Director Bailey, Treasurer Williams.

The following was presented :

Nov. 1, 1912.

To the Members of the Agricultural College Council :

The most imperative items of business for discussion at the meeting called for November 6, are the legislative budget and ad interim appointments. I am submitting my recommendations for these items.

I. LEGISLATIVE BUDGET.

We are now face to face with very serious problems in the College of Agriculture. The institution seems now to be accepted by the people of the state and they are beginning to understand it and to make use of it freely. The total matriculation in the College of Agriculture up to October 28th was 1,188, being an increase over similar date last year of 282. There are 107 post-graduates, making the total matriculation at present, 1295 to date. The advanced registration in the winter courses is heavier than ever before. The next Summer School undoubtedly will be larger than last. The winter-course registration last year was 451 and the summer school registration 223. The total registration of regular matriculants last year was 986, and the total of all students 1779. This year the number will be 2,000 to 2,500. I do not know of any other student body in agriculture of similar grade of such size as this in a university. Aside from all this is the great amount of investigation and the wide-spread extension work.

The registration this fall in the College of Agriculture of Illinois, is 815; Wisconsin, 802; Minnesota, 400.

If we are to maintain a College of Agriculture of these proportions, we must have far more maintenance funds and far more room than we now have. It is a question now either of restricting the registration to much lower figures than we already have, or else to increase the funds for handling this immense amount of work effectively. The extent to which the people of the state are using the College is evidence that they are ready to support it.

We are now using space in Rockefeller Hall and Sibley College, and we have made inquiries in other places in the regular university buildings to find rooms to hold the agricultural students. The registration in Cornell University early this fall, reported in the *Sun* of October 11th, was as follows :

| | |
|-------------------|-------|
| Agriculture | 1,170 |
| Arts | 1,028 |
| M. E. | 916 |
| C. E. | 513 |
| Law | 329 |

| | |
|----------------------|-------|
| Architecture | 133 |
| Graduate School..... | 267 |
| Veterinary..... | 118 |
| Total | 4,474 |

The *Alumni News* made the following comment on the registration in Agriculture :

"In the College of Agriculture alone there is a larger increase in enrollment than there is in the University as a whole. The same was true last year. Agriculture is now the largest college in Cornell, having passed Sibley and Arts in number of students. After ten days of registration this fall there were 1,172 students in agriculture, 688 of them old and 484 new. Last year, after a similar period of registration, the total was 894, of whom 501 were old students and 393 were new. The number of the new students this year (484) is remarkable. Never before in the history of the University has a single college received so many new students in a single year.

How much this great registration is influenced by free tuition we do not know ; but an inquiry last year led us to the conclusion that such influence was not great. On October 11 this fall, the increased enrollment of tuition-paying students was 49.3%, and of total students only 30.4%.

A Minimum Legislative Program.

Vast responsibilities are now imposed on the College of Agriculture. Its relations to State development, its touch with large public questions, the variety and extent of its activities, and the burden of the practical demands upon it, require a broad and generous policy of public support. My own attitude in respect to appropriations is that we shall present to the people, through the legislature, the sums that are needed to make the institution what it ought to be. If the people desire to set a limit to the expenditures then, of course, at the same time they will set their own limit to the growth and work of the institution. The work is upon us, and we must ask the people what we shall do with it.

The most important consideration is to keep our professors. I think that there has never been such an able faculty in agriculture assembled in this country as we have at Cornell. This fact is our weakness, because other institutions make every inducement to get our men. We have lost Professor Duggar, who is probably the best man in his field in this country ; he has gone to another institution at a greatly increased salary. At its meeting last June the Council increased Professor Stocking's salary to \$4,000 to hold him from Illinois, where he was offered a beginning salary of \$5,000. Within the last month Professors Warren and Wilson have been offered \$4,000 to go to California, but fortunately for us they declined. Dr. Webber is now on the way to California where he has been offered \$6,000, and I fear that he will accept. Practically all our men who

are not past the age of taking new positions, could secure other places at greater salaries than we pay them.

Floor space and equipment must be rapidly increased. The freshmen of this year will be coming into their agricultural work next year and year after; and next year and the year after there will probably be other large freshmen classes.

The Committee on State Colleges at its meeting of October 28, 1911, authorized and requested the Director to present the following budget to the legislature:

| | |
|--|--------------|
| Maintenance | \$ 365,000 |
| Grading, etc. | 68,000 |
| Reimbursing University for athletic field, etc. | 45,000 |
| Completing contracts | 182,000 |
| Greenhouses | 20,000 |
| Animal Husbandry bldgs. (2) | 129,000 |
| Agronomy extension | 100,000 |
| Forestry building | 100,000 |
| Home Economics equipment | 50,000 |
| Poultry equipment | 23,000 |
| | <hr/> |
| | \$ 1,082,000 |

This budget was regularly presented. The results of the legislation were as follows:

1. *Appropriation Bill.*

| | |
|---------------------------|------------|
| General Maintenance | \$ 265,000 |
|---------------------------|------------|

2. *Supply Bill.*

| | |
|--|------------|
| Equipping Home Economics | \$ 30,000 |
| Poultry | 15,000 |
| Additions, repairs and betterments | 10,000 |
| Grading, walks, sewers | 10,000 |
| Summer School | 4,000 |
| Instruction in physics, etc. | 20,000 |
| Extension work | 50,000 |
| Bulb investigations | 2,000 |
| | <hr/> |
| | \$ 141,000 |

3. *Building Bill.*

To lay contracts for animal husbandry headquarters \$91,000; judging pavilion, \$38,000; agronomy extension, \$100,000; forestry \$100,000; a total of \$329,000. Of this sum, the amount appropriated was

| | |
|---|------------|
| | 200,000 |
| To complete contracts on poultry, home economics and auditorium buildings | 182,000 |
| | <hr/> |
| | \$ 788,000 |

The minimum bill of expenses that I recommend presenting to the legislature this year is as follows :

| | |
|--|-----------|
| Maintenance----- | \$500,000 |
| To complete contracts----- | 129,000 |
| Equipment of auditorium----- | 18,000 |
| " " animal husbandry bldgs.----- | 20,000 |
| " " forestry building----- | 20,000 |
| " " agronomy building----- | 20,000 |
| Additional equipment home economics----- | 10,000 |
| Greenhouses----- | 30,000 |
| Extension of poultry plant----- | 25,000 |
| Changes in old pavilion----- | 10,000 |
| Model rural schoolhouse----- | 3,000 |
| Additions, repairs and betterments----- | 18,000 |
| Sheep barn----- | 5,000 |
| Tool barn and student work rooms----- | 6,000 |
| Pig barn----- | 3,000 |
| | <hr/> |
| | \$817,000 |

The maintenance item should cover all the maintenance monies that are now in the Supply Bill, including the extension, the cost of extra instruction in physics, etc., summer school, and the like. I should have maintenance all placed, if possible, in the regular Appropriation Bill since it belongs there and the college is no longer a doubtful or experimental enterprise. My division of this fund for our own guidance here would be approximately as follows: regular maintenance \$410,000; extension \$70,000; to pay for extra instruction in physics, etc., \$20,000.

The legislature authorized us to lay contracts for \$329,000 and appropriated \$200,000 for the work. We must now ask for the remaining \$129,000 to complete the contracts.

The items of equipment are estimates. Last year a request was made for \$50,000 to equip the home economics building, but only \$30,000 was appropriated. I have indicated \$10,000 to continue this equipment. Under the law, we cannot use our building appropriations for equipment.

For several years we have been asking for the remaining \$20,000 to complete the greenhouses. With the rise in cost of materials and the additional necessities, I think that we should now ask for not less than \$30,000, and it will be doubtful whether even this will complete the work as it ought to be done.

In the ten-year plan the poultry building was to comprise the main structure and six auxiliary buildings. These six auxiliary buildings were estimated to cost \$19,000. I have inserted the item at \$25,000, however. The present poultry building accommodates the students,

not the fowls. The fowls are still housed north of the main agricultural buildings and will be there until the auxiliary buildings are erected at the poultry plant. We cannot place the proposed agronomy building east of the home economics building until these poultry houses are removed; nor can we make the necessary improvements in grading, walks, and drives. Moreover, the poultry plant cannot be most effectively used until all its affairs are assembled. I think it is imperative, therefore, that we complete this poultry outfit now. Even the proposed accessory buildings will not complete the plans, because the \$90,000 did not provide the judging court and other parts that are shown in the ten-year plan; but these can be left for the time being.

When the new animal husbandry buildings are occupied, the old building will need to be reorganized for another department. The department that would require the least changes is Farm Management. I have made no careful study of the cost of remodeling and equipping the building, but I think that for the Farm Management Department \$10,000 would cover it.

One of the most attractive and useful buildings on the College of Agriculture grounds is the model rural schoolhouse. This has been much discussed and described in periodicals all over the country. It must be removed from its present position and we have set aside an area east of the old animal husbandry building for it and have been expecting to move it. The present building, however, will not fit the place there unless we cut down some large forest trees, which I would not care to do. Moreover, to move it to that place and to reconnect it, would cost, according to the best estimates I can get, not far from \$1,000. Much of the way it would need to be blocked up very high to get a track on which to move it. My feeling is that we ought to build an entirely new building in the place that we have assigned for it and where our new school-gardens are being developed, and then move the present rural school building to some place nearer by and use it for another purpose. Other features ought now to be added to a school building.

With the great extent of construction now proceeding for the College of Agriculture, it is necessary always to have a repair and betterment fund. For the past two years this has been \$10,000, but I have now increased it to \$18,000. We shall need to rebuild the basement of the present main building when the heating-plant is moved out and that of itself will cost, according to estimates that I have, at least \$6,000 if we fit it up properly for library and reading-room work.

I think it important that we now extend the present animal husbandry group so that it can be used most effectively. We shall need a sheep barn, a pig barn, and a large barn or storage for tools and

carpenter shop for student work. The estimated cost of all these is \$14,000. If these are secured, it will put the Animal Husbandry Department in the way of handling its work effectively for the time being.

The total estimate in the ten-year plan for animal husbandry buildings was \$252,000 and this does not include barns. Of this we have received \$129,000. It will not be necessary to ask for these larger extensions for the time being.

Other Items of Appropriation, for Discussion.

It will be noted that the above budget does not include any large new buildings, and it is a question whether we ought not to have at least one large building going every year. It requires about three years' time from the date of presenting the budget to the securing of the completed building. Even though the college does not grow as rapidly in the years to come as in the past, nevertheless before another three years have come around the pressure for space will be beyond calculation.

Of the minor buildings contemplated in the ten-year plan, the most important one next to be secured is that for rural art. This was estimated in the plan to cost \$48,000. The Landscape Art and all the Drawing (and the Drawing is now a very large matter with us) need a large amount of table space, and I think these two departments should be placed together in a building of a bungalow type. I think that such a building could be erected for \$50,000.

Of the larger buildings, the most important at present is to add another section to the plant industry group. The forestry building is to be a section of the plant industry compound.

The above minimum budget does not include the items of grading and of reimbursing Cornell University, that were included in the budget last year. The grading item, to complete all the surface and connections in advance of building, was estimated at \$68,000. Of this the legislature granted \$10,000. No part of the \$45,000 to reimburse Cornell University was allowed.

Something should be done before long to put the proper front on the main agricultural buildings. The front of the buildings is very flat and featureless. One scarcely knows where the main entrance to the building is. In fact, the main entrance is really secondary. When visitors drive up to this entrance they are confronted with a wide stairway into the basement. There should be a proper portecochere extending out over the roadway and connecting the balustrade work with the building. I suppose this improvement would cost \$10,000. The rear of the main building also needs attention now that we are making an imposing quadrangle of new and attractive buildings. The north end of the old auditorium should be rebuilt. It would be best to do this rebuilding when the changes are made in the basement for the proposed library.

We should now consider the building of a cold-storage plant. It is needed by several departments.

There are other items of appropriation that I desire to suggest to the Council.

Former Appropriations.

The members of the Council will be interested to know what the appropriations have been from the legislature since the college was taken over by the state. From that time until the close of the last legislature the appropriations have been as follows :

Maintenance :

| 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 |
|-----------|---------|---------|---------|---------|---------|---------|
| \$100,000 | 150,000 | 160,000 | 185,000 | 212,000 | 303,000 | 341,000 |

Buildings, etc.

| | | | | | |
|--------|--------|--|---------|--------|---------|
| 75,000 | 30,000 | | 200,000 | 80,000 | 447,000 |
|--------|--------|--|---------|--------|---------|

Totals :

| | | | | | | |
|-----------|---------|---------|---------|---------|---------|---------|
| \$100,000 | 225,000 | 190,000 | 185,000 | 412,000 | 383,000 | 788,000 |
|-----------|---------|---------|---------|---------|---------|---------|

Total ----- \$2,283,000

Initial Building appropriation (1904) and Equipment... 300,000

Grand total, 1904-1912 ----- \$2,583,000

Other States.

New York has no State University, in the proper sense, and it is therefore called on for relatively very small appropriations for higher education. This fact should be borne in mind when our budgets are considered. States with much less population and wealth make appropriation of millions for universities and colleges.

The last biennial State appropriation to the University of Illinois is \$3,519,000, of which the College of Agriculture receives \$952,300 or \$476,150 per year. Aside from this, the University receives about \$900,000 from the mill tax. A plan is now on foot for the purchase of some 300 acres of land, and also for rebuilding the entire College of Agriculture on a new site.

The total maintenance of the University of Minnesota for the current year is \$1,552,803. The maintenance allowance for the agricultural work for the year is \$581,990.

The state support of the University of Wisconsin for 1910-11 was \$1,227,900.25. The current budget of the College of Agriculture is \$427,340 from all sources.

II. APPOINTMENTS.

Professors.

At its meeting of June 11, 1912, the Council recommended to the Board of Trustees that a Chair of Forestry be established at a salary not to exceed \$2,500, and that the President ask the Board to give the

Executive Committee power to fill the chair, subject to the approval of the full Board. I assume that the Board conferred this power on the Executive Committee. We have gone over the field of available men very carefully and the person whom we desire to secure asks a salary the first year of not less than \$2750. He is refusing a position in the University of Minnesota at a beginning salary of \$2,800, preferring to come to Cornell. Inasmuch as this salary exceeds the salary recommended by the Council, the question will need to come back to the Council for reconsideration. Having advised with the President of the University, I now nominate Arthur B. Recknagel for Professor of Forestry at a salary of \$2,750 to begin February 1, 1913. Mr. Recknagel is about 30 years of age. He is a graduate of the academic course at Yale and subsequently from the Yale Forest School. For the last year he has been studying in Germany. He has had considerable practical experience with the Forest Service in various parts of the United States. When he left the service a year ago he was receiving a salary of \$2,300. Within the few weeks since he has returned, he has received and declined two definite offers, one of them being the head of the Department of Forestry at the State College of Pennsylvania, and the other a Professorship of Forestry in the University of Minnesota. Mr. Recknagel has visited the university twice in consultation with President Crane and with myself, as well as with professors in the College of Agriculture. In the Department of Forestry the sum of \$4,000 was set aside for "extra professors, assistance and supplies." To this has already been charged the salary of Professor Spring, who was elected at the meeting of the Council of June 11th last, leaving a balance of \$1,000. The salary of Mr. Recknagel for the remainder of the fiscal year beginning February 1st will be \$1,833; the remaining \$833 is to be adjusted between the Director's office and the maintenance funds of the Department of Forestry.

Assistant Professor Robert Matheson of the Department of Entomology has resigned to accept another position. Having advised with the President of the University, I nominate Oskar Augustus Johannsen, B.S., A.M., Ph.D., to be Assistant Professor of Biology at \$1,500, the same salary that Professor Matheson received. Professor Johannsen taught in the College of Civil Engineering in Cornell University for two years, and for the last three years has been entomologist with the Maine Experiment Station.

Minor Appointments.

Acting under authority conferred upon me by the statutes of the Agricultural College Council, I have made the following ad interim appointments, subject to the approval of the Council:

In the Department of Entomology, Ira Myron Hawley, A.B., University of Michigan, assistant, in the place of David E. Fink resigned,

at the same salary (\$500) ; Rowland Willis Leiby, B.S., Muhlenburg College, assistant, in the place of J. C. Faure resigned, salary of \$500 as against \$400 given Mr. Faure ; Emmeline Moore, A.B. Cornell, A M. Wellesley, assistant, in the place of A. R. Cahn, (\$250) being an increase of \$50 over Mr. Cahn's salary ; Miss Dorothy Curtis, assistant in biology for the full year at a salary of \$400 rather than for half the year (as previously appointed) at \$200 ; Lawrence Howland McDaniels, assistant, at a salary of \$200 ; Alfred C. Hottes, assistant, at \$150. This adds to the appropriation formerly made to the Department of Entomology, Biology and Nature-Study, the sum of \$700, being comprised of \$50 on Miss Moore's salary, \$200 on Miss Curtis's salary, \$200 on Mr. McDaniels' salary, \$150 on Mr. Hottes' salary, and \$100 on Mr. Leiby's salary. This additional expenditure is necessary because of the great number of students registered in this department in new courses that have been introduced largely at the suggestion of the Director's office.

In the Department of Pomology, H B. Knapp to receive \$1,000 for 9 months rather than \$900, as previously arranged ; E. L. Markell and F. E. Rogers, instructors, at a salary each of \$1,000 for 9 months. These charges are to be met from the salary appropriated to the Department of Pomology for a new professorship. It has been impossible to secure a second professor of pomology this year, and we are obliged to carry the work for the present by means of instructors.

In the Department of Horticulture, the sum of \$1,400 was set aside for assistance. As against that fund I have appointed R. M. Patch, assistant in floriculture at \$600, H. J. Bock, assistant in olericulture at \$500 and Miss Lua R. Minns, assistant in floriculture at \$300. One or two additional instructors may need to be appointed in this department to carry the work of Professor Craig's classes. I desire now to recommend that Miss Julia Z. Kelly be given the position of Curator of the herbarium and laboratory and Secretary of the Horticultural Department at a salary of \$60 per month. Miss Kelly has been with the College of Agriculture for 21 years and for many years she has had charge of much of the business of the Horticultural Department. Professor Craig's family has given to the Horticultural Department his private horticultural library comprising several hundred volumes and it is proposed to put Miss Kelly directly in charge of this collection as well as in charge of the herbarium, which now comprises probably 14000 or 15000 specimens.

In the Department of Landscape Art, I have appointed J. R. VanCleck and C. E. Mitchell assistants at a salary of \$250 each ; and E. D. Montillon, who was assistant last year, to be instructor at a salary of \$900 ; all these to be for the period of nine months from October 1, 1912. These charges are to be made against the funds already appropriated to the Department of Landscape Art, although it

leaves only \$200 of maintenance money and the Director's office will undoubtedly find it necessary to supply a small additional fund before the year is over.

In the Department of Extension Teaching, H. E. Griffith assistant in the extension class at a salary for 9 months of \$200, this sum to be an additional appropriation to the department from the Director's office. I have also placed Miss Jule Fernane on the salary roll at \$34 per month beginning November 1st rather than employing her by the hour, as she has formerly been employed, as a clerk in the mailing-room; Miss Ethel M. Gardner, clerk in mailing-room at \$28 per month; Miss Minnie, clerk in mailing-room at \$32.

In the Department of Extension Teaching, A. C. King of Trumansburg, was employed for about 3 months last year at the rate of \$2,000 per year. Mr. King is one of our very best extension teachers. I recommend that his rate of pay this year be \$2250. He probably cannot give us as much time as last year.

In the Department of Agricultural Chemistry, I have appointed Clement L. Perkins assistant at a salary of \$400 for the 9 months beginning October 1, 1912; and F. E. Rice instructor in place of C. C. Hedges, resigned, at same salary (\$1,000.)

When the budget was presented by me last April, I purposely omitted to recommend any appropriation for assistance in the Department of Farm Practice and Farm Crops, since at that time Professor Montgomery, who was a new man with us, was not in full touch with the situation and the needs. It was my understanding with the Department that I would make a subsequent recommendation for appropriations to the department. I have now appointed E. V. Hardinburg as Instructor in Farm Crops at a salary of \$1,000 for the twelve months beginning October 1, 1912, this to be an additional appropriation from the Director's office to the Department of Farm Practice and Farm Crops. I have approved the recommendation of the Department that L. H. Moulton receive the title of Superintendent of Farms and Instructor, and receive a salary of \$1,500 rather than \$1,300, this to be charged against funds already appropriated to the department; Mr. Moulton is making a very efficient farm superintendent and we shall have difficulty in retaining him; and we desire that he be given the title of Instructor that he may sit in the faculty and thereby keep in touch with the educational problems of the institution.

In the Department of Forestry, B. H. Paul to be student assistant at a salary of \$200, to be charged against the maintenance funds of that department.

In the Department of Dairy Industry, Mrs. A. J. Cross to be assistant clerk at \$50 per month beginning October 1, 1912, in the place of Miss Grace Millard resigned, at the same salary; the salary of

Miss B. L. Edwards to be raised from \$45 to \$50 per month in accordance with the understanding made with her at the time of her appointment; Miss Elizabeth Genung assistant in the bacteriological laboratory, in the place of Mr. Cook resigned, at \$600 per year (Mr. Cook had \$1,200); the wages of Mrs. C. L. Force to be raised from \$30 to \$35 beginning October 1, 1912; R. E. Cross assistant in dairy mechanics during the winter-course, the same as last year, at a salary of \$80 per month; I. L. Sutfin janitor in the place of Mr. Sturrock resigned to begin October 7, 1912, at a salary of \$45 the first month and \$50 thereafter if the work is satisfactory; all the above charges to be made against the funds already appropriated to the Department of Dairy Industry.

In the Department of Home Economics, Miss Anna Hunn assistant at \$600; Miss Helen Knowlton, Miss Bertha Betts and Miss Edith Fleming assistants at \$300; Mrs. Bessie Austin assistant, \$600; Miss Louise Whittaker stenographer, \$480. There was set aside for the Department of Home Economics the sums of \$2,400 for assistance and \$2,000 for the maintenance of the extension work. The salary of Miss Whittaker and half of the salary of Mrs. Austin are to be charged against the extension maintenance, and the remainder against the assistance fund regularly appropriated to the department. I have appointed Wilmont Thomas janitor in the new building at \$40.

In the Department of Soil Technology, M. A. Klein and F. W. Sherwood assistants at \$400 each for nine months, to be paid from the state funds appropriated to the Department; and J. Davidson assistant in the research laboratory at \$400, to be paid from the federal funds appropriated to that Department.

In the Department of Plant Pathology, L. R. Hesler to be instructor at the salary of \$750 for 12 months beginning October 1, 1912, of which \$500 is to be an additional appropriation to the Department of Plant Pathology; J. H. Muncie investigator on the American Steel and Wire Fellowship at a salary of \$500 for the year beginning October 1, 1912, in the place of P. J. Anderson resigned; L. M. Massey assistant on the gladiolus disease investigation at a salary of \$500 beginning October 1, 1912, to be charged against the special appropriation of \$2,000 by the legislature for this work.

In the Department of Poultry Husbandry, W. G. Krum's title to be changed from superintendent to assistant and W. S. Lyon's title to be changed from assistant to foreman of the experiment plant; J. H. Copeland to be employed as foreman of the poultry farm at a salary of \$65 per month beginning October 1, 1912; A. B. Holden helper beginning October 1, 1912, at \$45; E. M. Benjamin helper at \$34 per month from October 1, 1912; O. B. Kent assistant for the first half year at a total salary of \$150; D. A. Leggett student assistant at \$150 for the first half year; L. H. Cuthbert salary increased from \$45 to \$50

per month from November 1st to March 1st; R. H. Moseley to be assistant at \$50 per month between November 15th and February 15th; W. E. L. Smith assistant at \$50 per month from November 15th to February 15th; H. A. Sauer helper at \$35 per month, on the understanding that his salary may be increased to \$40 and \$45 during the year if his services are satisfactory. All the above expenditures are to be charged against the funds already appropriated to the Poultry Department.

In the Department of Plant Physiology, R. S. Nanz assistant at \$600, to be charged against the \$1,000 salary appropriation for Mr. Hill, resigned; and Miss Christine Chapman, assistant, 9 mos \$275, against the same salary.

In the Department of Farm Management, Miss Bessie Bush, assistant in the surveys, at a salary of \$45 per month, chargeable against the extension funds of that Department.

In the Department of Animal Husbandry, Miss Margaret Edwards, stenographer, to have her regular advancement from \$40 to \$42.

In the Department of Farm Mechanics, Lucy Strauss, stenographer, to receive \$45 per month.

L. H. BAILEY.

Action was taken and recommendations made to the Board of Trustees as follows:

1. *Resolved*, That Director Bailey be authorized and requested to present to the Legislature the coming winter, the needs of the State College of Agriculture, including specifically the following items:

| | | |
|--|--------------|--------------------|
| Maintenance..... | \$530,000 00 | |
| To complete contracts of Forestry, Headquarters Bldgs. and Stocks Judging Pavilion | 129,000 00 | |
| Equipment of auditorium..... | 18,000 00 | |
| “ “ animal husbandry bldgs.... | 20,000 00 | |
| “ “ forestry building | 20,000 00 | |
| “ “ agronomy building | 20,000 00 | |
| Additional equipment Home Economics.. | 10,000 00 | |
| Greenhouses | 30,000 00 | |
| Extension of poultry plant..... | 25,000 00 | |
| Changes in old pavilion | 10,000 00 | |
| Model rural schoolhouse | 3,000 00 | |
| Additions, repairs and betterment..... | 18,000 00 | |
| Sheep barn | 5,000 00 | |
| Tool barn and student work rooms..... | 6,000 00 | |
| Pig barn..... | 3,000 00 | |
| Grading walks, sewers, etc..... | 10,000 00 | |
| | | <hr/> \$857,000 00 |

The maintenance items to cover all items now in the supply bill including the extension, the cost of extra instruction in Physics, etc., Summer School, etc. The division of the fund for our own guidance to be approximately as follows :

| | |
|---|-----------|
| Regular Maintenance..... | \$410,000 |
| Extension | 70,000 |
| For extra instruction in Physics, etc. | 50,000 |

| | |
|---|----------------|
| For the purpose of paying Cornell University for expenses incurred in securing land for building sites and other uses of the College of Agriculture in accordance with plans submitted to the Legislature in 1910 and for surveys and landscape designs in connection therewith | 45,000 00 |
| For payment to Cornell University for instruction in physics, etc., to students in the College of Agriculture during the current year, in addition to the appropriation of \$20,000 heretofore made for the purpose, the sum of---- | 25,000 00 |
| For the completion of the central heating plant for the College of Agriculture | 35 000 00 |
| For the erection of a second section of the Plant Industry building the sum of-- | 100,000 00 |
| | <hr/> |
| | \$1,062,000 00 |

2. That Arthur B. Recknagel, be elected Professor of Forestry in the College of Agriculture at a salary of \$2,750 to date from February 1, 1913.

3. That Oskar Augustus Johansson be appointed Assistant Professor of Biology in the College of Agriculture at a salary of \$1,500.

4. That Mr. F. E. Robertson be appointed Assistant Professor of Animal Husbandry at a salary of \$2,000.

5. That the minor appointments and adjustments of salaries reported by the Director as above, be ratified and confirmed.

6. That on the nomination of Director Bailey the following appointments be made :

A. B. Cornelius, to be Assistant Gardiner in the Department of Horticulture, at \$60 per month, to be charged against the funds of the department.

Miss Irene A. Schulth, to be office Assistant in the Clerk's office at \$25.00 per month.

C. M. Morrison and Earl T. Maxon, to be employed in the survey work, Department of Soil Technology, from October 1, to December 1, 1912, or so much of that time as may be necessary, with salary at the rate of \$90 per month, for Mr. Morrison, and \$60 per month for Mr. Maxon. The salaries to be charged against the regular departmental appropriation.

That E. C. Engle be Assistant in the extension work, at a salary of \$400 for the year of nine months, beginning October 1, 1912.

7. That the salary of the late Professor Craig for the months of August and September, 1912, be paid to his widow.

8. That the salary of the late John W. Spencer for the month of October, be paid to his widow.

9. That Mr. Warren H. Manning be employed as advisory landscape Architect for the College of Agriculture, at a salary of \$500 and necessary expenses.

The council then adjourned until 8 P. M.

Re-assembled at o'clock.

The recommendation of the Faculty of Agriculture, that the Adviser of Women be given a seat in the Agricultural College Faculty, was referred to the Board of Trustees without recommendation.

Recommended that from thirty to thirty-five acres of the McDaniels Farm be purchased at \$100 per acre, and charged to Farm Land Purchase account.

The question of asking the Legislature to change the phraseology of the law appropriating \$100,000 for an addition to the present Agronomy Building, so as to permit the expenditure of the appropriation for a separate building, be referred to the Full Board, with the recommendation that the Agronomy Building committee be authorized to make such request, and also to ask for an increase in the amount of the appropriation, if upon completion of its investigation, they deem such action advisable.

Recommended that \$500 be appropriated for purchasing subscriptions to the Cornell Countryman for the current year.

That the matter of publishing, by Cornell Countryman, of the official program of Farmer's Week, without expense to the College, they to receive their compensation from the advertising, was referred to Director Bailey with power.

That the Director be authorized to pay expenses already incurred by delegates appointed by the different Agricultural Societies in the State, in attending the meeting of the Societies for promotion of Agricultural Education and Research, from the Agricultural College funds.

Recommended that the check deposited by the Syracuse Heater Co. for Agricultural College buildings, amounting to \$749.50, be returned to said Company, they having defaulted on their bid on account of error discovered after bid was opened, and the State Architect having awarded the contract to another bidder.

That the Director be authorized to charge \$3,892.73, for builders' and plumbers' bills on Farm Mechanics building, to the 1911 appropriation for additions, betterments and repairs.

Question of the proportion of Electives which Agricultural students may be allowed to take outside the College of Agriculture, was referred to the Acting President, Director Bailey and the University Attorney, to report.

E. L. WILLIAMS,
Sec'y pro tem.

22. *Resolved*, That that portion of the action of December 13, 1910, requiring that residents of the State of New York, in order to have free tuition in the College of Agriculture "Shall have been residents of the State for at least one year immediately preceding their admission to the New York State College of Agriculture," be repealed.

23. The following was received and on motion approved and the recommendation therein contained adopted.

MEETING OF THE VETERINARY COLLEGE COMMITTEE.

November 6, 1912.

Present—Act'g Pres. Crane, Trustees Carlisle, Wilson, Pratt, Miller, Dr. Moore, Treas. Williams.

FINANCIAL STATEMENT.

| | |
|--|--------------|
| Unappropriated balance June 11, 1912----- | \$1,050 53 |
| Special anatomy appropriation lapsing----- | 300 00 |
| Income (corrected statement) | |
| Tuition ----- | \$ 800 00 |
| Experimental work ----- | 125 00 |
| Sale of shed ----- | 50 00 |
| | <hr/> 975 00 |
| Total unappropriated September 30, 1912----- | 2,325 53 |
| Amt. appropriation lapsing to general fund | |
| Oct. 1, 1912 ----- | 1,883 76 |
| State appropriation for 1912-1913----- | \$50,000 00 |
| Less budget approp. June 11, 1912----- | 49,940 00 |
| | <hr/> 60 00 |
| Total amt. unappropriated Oct. 1, 1912 ----- | 4,269 29 |
| Less additional approp. recommended Oct. 12, | |
| 1912 ----- | 750 00 |
| Balance unappropriated Oct. 12, 1912----- | \$ 3,519 29 |

The following recommendations were made to the Board of Trustees :

1. WHEREAS, The ambulatory clinic has developed into a very important part of the teaching of practical medicine and surgery. The supervision of this clinic has become a considerable burden to the man in charge and yet for pedagogical reasons it should be supervised by either the Professor of Surgery or the Professor of Medicine. Because of this extra work in both teaching and looking after charges,

It is recommended that the position of Superintendent of Ambulatory Clinic be created with a compensation of \$500.

It is further recommended that the superintendent of Ambulatory Clinic make a detailed and careful report of the cases treated and the collections for the same to the Veterinary College Committee at its October meeting each year.

It is recommended that Dr. W. L. Williams, Professor of Surgery and Obstetrics, be appointed Superintendent of Ambulatory Clinic beginning with October 1, 1912.

2. Because of the work required in keeping complete records of students and the correspondence concerning our matriculants with the Bureau of Animal Industry, and the editing of official college publications,

It is recommended that these duties be assigned to the Secretary of the Veterinary College Faculty, and that for this extra service he receive \$250. This action to date from October 1, 1912.

3. It is recommended that the amount of \$800 unexpended from experimental work and \$400 of the appropriation for that work for 1912-13 be set aside for the construction of a suitable barn for horses, wagons and hay loft, and that such buildings be constructed as soon as possible.

4. It is recommended that \$125 balance from sale of horse be carried forward toward purchase of horse for ambulatory clinic.

5. That \$189.28 be appropriated from unappropriated funds for drainage of grounds in front of the Veterinary College.

6. Director Moore and Dr. Miller were appointed a committee to arrange with Architect for improvement of light, ventilation and dryness in the Veterinary College Clinic and Hospital Building.

E. L. WILLIAMS,

Sec'y pro tem.

24. The following was received, and the recommendation therein contained adopted :

To the Board of Trustees of Cornell University :

In the matter of the application from Professor Sterrett for relief from teaching duties and an increase of salary, your Committee to whom the question was referred, begs to report that owing to the

existing financial conditions, it is unable to find any manner for providing the funds for such purpose, and therefore feels obliged to recommend that the application be denied.

R. B. WILLIAMS,
For the Committee.

25. The following was received and accepted, and the Committee continued :

Ithaca, N. Y., Nov. 7, 1912.

To the Board of Trustees,
Cornell University.

Gentlemen :

The committee appointed in connection with the Special Report of Acting Director Kimball on the Problems and Needs of Sibley College, advise that they have met with Director Smith and considered the available direction in which effort may be made to secure the additional buildings and equipment of which the Department is so greatly in need. Tentative plans are in view, that it is hoped may reach a favorable result, but no tangible assistance is immediately in sight. We desire therefore that the Trustees should know that such investigation as the committee have made, fully confirms the urgent character of the demands of this Department as set forth in the Special Report of Acting Director Kimball.

Respectfully submitted,

H. H. WESTINGHOUSE,
R. H. TREMAN,
JOHN H. BARR.

26. The special committee on Commencement and Reunion plans, presented a report through its chairman Trustee Mason, and it was *Resolved*, That Commencement Day shall for a period of five years beginning with the Commencement of June 1913, be the Wednesday immediately preceding the Thursday nearest the twentieth day of June, and that the Alumni Reunion Days, be the Friday and Saturday immediately preceding Commencement Day.

27. By ballot duly had, Mr. Charles E. Treman, was elected a Trustee of the University to fill the vacancy caused by the resignation of Mr. McMillin.

28. *Resolved*, That the Secretary in issuing the call for the next regular meeting of the Board of Trustees, request those Trustees who are unable to be present at the meeting, to forward to him in writing their opinions on that part of the report of President Schurman, relating to the Faculty representation in the administration of the University.

29. *Resolved*, That a committee of three be appointed by the chair to present the question of a new Armory to the Governor and the

Legislature, and that such committee be authorized to ask for a small appropriation for the purpose of preparing plans and making a preliminary study of the problem. The chair appointed as such committee, Trustees, Carlisle, Sackett and C. E. Treman.

30. A letter was presented from Mr. B. A. Welker, Cornell '78, of Manila, stating that the time between April 1st, the date set for mailing ballots for the election for Alumni Trustees, and the Monday preceding Commencement, the last day set for receiving the ballots, was too short to permit those Alumni residing in the Phillipine Islands to cast their ballots ; and stating that at the last election some twenty-five of the Alumni residing in the Islands were unable to vote, and suggesting that the University charter be amended so that the last day for filing nominations be made March 1st instead of April 1st. On motion the matter was referred to the Acting President with power.

31. *Resolved*, That the Executive Committee be requested to immediately consider (in consultation with the Dean and heads of other Departments of the University) ways and means for instituting economies in expenditures, beginning with the next College year.

32. *Resolved*, That the Treasurer be authorized to make a contract with the Art Metal Construction Co. for the installation of additional stacks in the basement of the Library. The work to be done during the coming summer vacation, and the expense of same to be charged against next year's income.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., November 12, 1912.

Present—Trustees Van Cleef, White, Treman, R. H., Treman, C. E. and Newman. Acting President Crane and Secretary Williams.

Chairman Van Cleef in the chair.

Action was taken as follows :

1. A communication was received from the secretary of the University Faculty, advising that the Faculty had granted the students' petition asking that Monday, December 23rd be declared a University holiday.

2. A communication was received from the secretary of the University Faculty, advising that Professors J. McMahon and J. Q. Adams, Jr., had been elected members of the Library Council, to succeed Professors Church and Comfort, and the elections were duly confirmed.

3. Leave of absence under the statute governing sabbatic leave, was granted to Professor H. D. Hess, for one term of the college year 1913-14, without prejudice to salary, on condition that his work can be carried on to the satisfaction of the President without additional cost to the University. The decision as to which term Professor Hess will take was left to the Acting President with power.

4. The use of Sage Chapel for services on Friday evening, Saturday morning and afternoon, and Sunday evening, December 6th to 8th, was granted to the Cornell University Christian Association, for the purposes of the meeting of a Student Volunteer Convention for the State of New York.

5. The Treasurer was authorized to pay from the contingent fund \$100 as membership dues of Cornell University to the College Entrance Examination Board for the year 1912-13.

6. *Resolved*, That the practice of charging part tuition for part time in the Summer Session, be discontinued, and that the regular tuition fee of \$30 be required from all registering in the University Summer Session, subject however, to the present rule of refund in case of students compelled to leave.

7. *Resolved*, That the appropriation of \$300 from the Schiff fund for an Instructor in the Summer Session, be modified to read "to be paid to an Instructor from some German Gymnasium, or to a German teacher of distinguished reputation in this country?"

8. Professor G. N. Lauman, and Assistant Professor O. A. Johansson, of the College of Agriculture, were given seats in the Faculty of Arts and Sciences.

9. On the nomination of the Acting President, Dr. Glenn E. Myers, was appointed Clinical Instructor in Medicine and Assistant Physician to the Dispensary, Department of Psychopathology, in the Cornell University Medical College in New York City, with salary at the rate of \$50 per session, the appointment to date from September 15, 1912; and Dr. W. W. Wright was appointed Clinical Instructor in Medicine and Assistant Physician to the Dispensary, Department of Psychopathology, with salary at the rate of \$50 per session, the appointment to date from November 15, 1912.

10. The Acting President was authorized to arrange for lantern views with a proper description of same, to be given in connection with the Musical Club's southern trip, at a cost not exceeding \$150.

11. A communication was received from the Corda Fratres, an association of Cosmopolitan Clubs, asking that at the International Congress of Students to be held by the Association at Ithaca, in the summer of 1913—

1. That the University be represented officially in the Congress,
2. That the President of the University should open the Congress,

3. That the Congress be given the use of the University Buildings,
 4. That financial aid be granted to the Committee by the University ;
- and on motion it was

Resolved, That requests 1 and 2 be granted, that the Congress be given the use of the University Buildings for the purposes of its meetings, and that the matter of financial aid be referred to the Acting President to obtain further information and report.

12. The matter of proposed changes in Barnes Hall was after considerable discussion laid upon the table until the next meeting of the committee.

13. The special committee appointed to consider the sale of the Guiteau House, advised making the asking price for the property \$65,000, and on motion the recommendation was adopted.

14. The Treasurer was authorized to refund tuition for the current term to Mr. J. Alexander, a foreign student who has been compelled to withdraw from the University, owing to his inability to understand English sufficiently to carry on the work.

15. A communication from Secretary Dugan, in regard to the estimated cost of publishing a definitive edition of the works of Mr. Goldwin Smith, was received and placed on file.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

Proceedings of the Board of Trustees

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., November 19, 1912.

Present—Trustees Van Cleef, Treman, C. E., Blood, Williams, Newman, Treman, R. H., and Cornell. Acting President Craue. Secretary Williams.

Chairman Van Cleef in the chair.

The minutes of the meeting of November 12, 1912, were read and approved.

Action was taken as follows :

1. On the report of the special committee, the regular winter meeting of the Board of Trustees was called for Saturday, January 18, 1913, at 9 : 30 A. M. at the Waldorf Astoria, New York City.

2. The Acting President reported that the coalition of the New York hospital service with the Cornell University Medical College, had been brought about, and that the details would be acted upon at the next meeting of the Medical College Council ; also that there had been established in the department of Medicine in the Cornell University Medical College in New York City, through the generosity of an anonymous donor a One Thousand Dollar Fellowship to be awarded for work in Medicine, and the Acting President was requested to communicate to those through whose efforts the above results were effected, the sincere thanks of the Trustees for their labors and generosity.

3. Inasmuch as the plans for proposed changes in Barnes Hall have been modified to meet the objection of Trustee White, it was resolved : that, the Cornell University Christian Association be allowed to make the changes in Barnes Hall as outlined by the secretary, on condition that necessary funds be raised and available for the work before it is started.

4. The Acting President reported that Mrs. Huntington Wilson proposed to give to the University \$100, to be given as an honorarium to some Professor of the Faculty, for a lecture upon the general subject of Eugenics, and on motion the gift was received and the Acting President requested to express to Mrs. Wilson the thanks of the Trustees

for her generous action, and the details were referred to the Acting President with power.

5. *Resolved*, That the Acting President be authorized to request Lieut. Gillmore to continue his services as Commandant of Cadets at Cornell University during his three months leave of absence, and the adjustment of any details in connection with such action was referred to the Acting President with power.

6. The following was presented and on motion approved, and the recommendations therein contained adopted :

18th November, 1912.

President T. F. Crane, Cornell University.

Dear Sir :

In compliance with the statistics of the University, I submit herewith, to the Trustees, the recommendations adopted by the Library Council at the meeting of November 13th for the apportionment of the book funds subject to their disposal for the year 1912-13, these being the income from the Sage Fund (including unpledged balances reapportioned) \$15,447.47, and one-third of the free income from the Fiske Fund, \$6,309.25.

The Council voted to recommend the following distribution of the income from the Sage Fund :

| | |
|--|-------------|
| To the subjects named on the enclosed list the amount set opposite each, aggregating..... | \$8,125 00 |
| To the general periodical list..... | 4,500 00 |
| For completing incomplete sets of periodicals and transactions..... | 1,000 00 |
| For the purchase of books (not falling within any one department) of general usefulness and importance at the discretion of the Librarian..... | 1,000 00 |
| As a reserve fund, at the disposal of the Council, the balance amounting to..... | 822 47 |
| | <hr/> |
| | \$15,447.47 |

The Council recommends the following apportionment of the income from the Fiske Fund placed at the disposal of the Council :

| | |
|---|------------|
| For binding gifts, periodicals on the general list, and for repairs..... | 2,100 00 |
| As a reserve fund at the disposal of the Council, the balance amounting to..... | 4,209 25 |
| | <hr/> |
| | \$6,309 25 |

Respectfully submitted,

G. W. HARRIS,
Secretary of the Library Council.

LIST OF SUBJECTS ADOPTED

AND AMOUNT OF APPROPRIATIONS FOR 1912-13.

| | |
|---|----------|
| *Agriculture..... | \$400 00 |
| Botany, Morphological, etc..... | 100 00 |
| Botany, Histological, etc..... | 100 00 |
| Geology | 300 00 |
| Entomology and Invertebrate Zoology..... | 100 00 |
| Neurology, Vertebrate Zoology..... | 100 00 |
| Biology | 100 00 |
| Anatomy | 100 00 |
| Embryology and Histology..... | 100 00 |
| Pathology and Bacteriology | 100 00 |
| Physiology and Pharmacology..... | 100 00 |
| Biochemistry | 100 00 |
| Surgery, Medicine, Obstetrics | 75 00 |
| Physical Culture and Military Science..... | 100 00 |
| Chemistry..... | 300 00 |
| Physics | 100 00 |
| Applied Electricity..... | 50 00 |
| Mathematics | 200 00 |
| Applied Mechanics and Hydraulic Engineering | 100 00 |
| Astronomy | 100 00 |
| Bridge Engineering and Graphics..... | 100 00 |
| Civil Engineering..... | 100 00 |
| Railway Engineering and Geodesy..... | 100 00 |
| Power Engineering..... | 100 00 |
| Mechanic Arts..... | 50 00 |
| Machine Design..... | 100 00 |
| Electrical Engineering..... | 100 00 |
| Experimental Engineering..... | 100 00 |
| Naval Architecture..... | 75 00 |
| Marine Engineering..... | 75 00 |
| Railway Mechanical Engineering..... | 75 00 |
| History of Architecture | 75 00 |
| Building Construction..... | 50 00 |
| Drawing and Design..... | 150 00 |
| Art (Recommendations may be made by any one but shall be submitted to the Council) | 100 00 |

* This appropriation for Agriculture is from the income of the Sage Fund only ; it, therefore, does not include the sums expended for books by the College of Agriculture from other funds.

| | |
|---|------------|
| Classical Archæology..... | 100 00 |
| Comparative and Oriental Philology..... | 100 00 |
| Semitic Languages and Literature..... | 100 00 |
| Greek Language..... | 100 00 |
| Greek Literature..... | 100 00 |
| Latin Language..... | 100 00 |
| Latin Literature..... | 100 00 |
| French Language..... | 100 00 |
| French Literature..... | 100 00 |
| Italian Language and Literature..... | 100 00 |
| Spanish Language and Literature..... | 100 00 |
| German Language..... | 100 00 |
| German Literature..... | 100 00 |
| English and American Literature..... | 250 00 |
| English Philology and Rhetoric..... | 150 00 |
| Elocution and Oratory..... | 50 00 |
| †Oriental History..... | 50 00 |
| Ancient History..... | 100 00 |
| Mediæval History..... | 50 00 |
| Modern European History..... | 50 00 |
| English History..... | 250 00 |
| American History..... | 200 00 |
| New York State History..... | 100 00 |
| Economics of Distribution..... | 100 00 |
| Finance..... | 100 00 |
| Political Economy..... | 100 00 |
| Politics and International Law..... | 100 00 |
| Social Science and Statistics..... | 100 00 |
| Ancient and Mediæval Philosophy..... | 75 00 |
| Modern Philosophy and Metaphysics..... | 100 00 |
| Ethics..... | 75 00 |
| Psychology..... | 75 00 |
| History of Religions..... | 75 00 |
| Education..... | 100 00 |
| Music..... | 100 00 |
| Folklore..... | 100 00 |
| Bibliography..... | 100 00 |
| General Works of Reference..... | 200 00 |
| | <hr/> |
| | \$8,125 00 |

†These appropriations for historical subjects from the general fund are in addition to the sum of \$800 devoted to the purchase of historical works for the President White Library.

7. *Whereas*, On September 17th, on the recommendation of the War Department, free tuition was granted to Jose A. V. Corpus, for the year 1912-13, and whereas he has been appointed a Cadet officer entitling him to free tuition, Resolved that the action of September 17th be cancelled.

8. L. C. Howard having been compelled to leave the University, the Treasurer was authorized to refund the tuition paid by him for the term and credit same upon his note given to the Guitean Loan Fund and return the note to Mr. Howard.

9. The Treasurer was authorized to refund one-half tuition for the current term to Mr. Joseph L. Carr, who was compelled to leave the University two days past the ordinary time for refunding one-half tuition.

10. The matter of the tuition of Mr. Breed an Assistant in the Veterinary College, who was registered in the College of Arts and Sciences was referred to the Treasurer and Director Moore with power.

11. *Resolved*, That subject to the power and water needs of the University, and reserving the buildings and orchards with the land incident to same, that that portion of the land in the Fall Creek valley acquired for the purpose of a storage reservoir, which is above the line of proposed flowage, or so much thereof as the Forestry Department may need, be assigned to the department of Forestry of the College of Agriculture, for the purpose of planting and for use as a demonstration area. This assignment of the land shall be subject to revocation by the University at any time, on reasonable notice.

12. *Resolved*, That the re-appropriation to the Department of Bacteriology in the Medical College at Ithaca, be held in abeyance for the purchase from the Veterinary College of its former contagious ward, if the use of such buildings for the purposes of the Medical College is found to be satisfactory.

13. The secretary of the University Faculty reported a gift from the Japan Society of \$100 for prizes for essays or articles on Japan, Japanese-American relations, or similar topics, and the action of the Faculty in connection therewith was approved, and the Acting President authorized to convey the thanks of the Trustees to the Japan Society.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

By oversight the following resolution recommended by the Agricultural College Council, and approved by the Board of Trustees at its meeting November 7, 1912, was omitted from page 84 of the printed minutes :

That the Director of the College of Agriculture be authorized to decide questions arising as to whether or not students applying for admission to the College of Agriculture, are non-residents.

CHAS. D. BOSTWICK,

Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., December 3, 1912.

Present—Trustees Williams, Newman, Treman, R. H., and Treman, C. E. Acting President Crane and Secretary Williams.

Trustee Williams was called to the chair.

Minutes of the meeting of November 19, 1912, were read and approved.

Action was taken as follows :

1. Upon the nomination of the Acting President the following appointments were made :

G. E. Thompson, at present Assistant in Physics, to be Instructor in Physics with salary at the rate of \$800 per annum (vice H. D. Ayers, resigned) ; appointment to take effect November 7, 1912.

Joseph W. Ward to be assistant in Physics with salary at the rate of \$400 per annum (vice G. E. Thompson, promoted) ; appointment to take effect November 7, 1912.

Lloyd M. Church to be Assistant in Physics with salary at the rate of \$400 per annum, vice W. P. Davey, resigned ; appointment to take effect November 15, 1912.

W. D. McLaughlin to be Assistant in the Machine Shop, with salary at the rate of \$750 per annum, to date from October 15, 1912 (vice W. B. Smith, resigned).

2. On the nomination of the Acting President, Frank Holt was appointed instructor in German, for the year 1913-14, at a salary of \$1,000 (vice Assistant Professor Pope absent on leave).

3. The Acting President announced that checks had been received for the following prizes for this year ; and that he was informed that each will be an annual prize, but that the endowment for them are not yet at hand :

First, Mr. Evan R. Dick, 30 Broad St., New York, who gives a fifty dollar prize to be known as the Lora C. Schroeder Prize for the

best work on the diseases of small animals. This may be divided into the first prize of thirty dollars and second of twenty dollars, at the discretion of the department.

Second, Mr. James Gordon Bennett, 37 Avenue de Jena, Paris, gives a fifty dollar prize for the best work on local and general anesthesia.

Third, Dr. Frank H. Miller, 146 West 54th St., New York City, has given fifty dollars for a prize to be known as the Jane Miller Prize, for the best work in veterinary physiology.

Resolved, That the foregoing gifts be accepted and the Acting President requested to express to the several donors, the sincere thanks of the University for their generous action.

4. Leave of absence on one-half salary for the academic year 1913-14, was granted to Professor J. H. Tanner, under the statute governing sabbatic leaves, and on condition that his work can be carried on to the satisfaction of the Acting President or President without additional cost to the University.

5. *Resolved*, That during the absence of Professor Tanner, for the year 1913-14, Professor W. B. Carver be appointed to take charge, under the general direction of the Mathematical Committee, of the Freshman work in Mathematics during that year, and that he be allowed \$250 extra compensation for that service.

6. Assistant Professor John Bauer was appointed a delegate to represent the University at the third annual conference on the teaching of economics, to be held with the University of Chicago, on December 6 and 7, 1912.

7. *Resolved*, That Dean L. H. Bailey, be requested to represent the University at the inauguration of President Duniway of the University of Wyoming.

8. The Treasurer was authorized to refund one-half tuition paid for the current term, to Mr. A. B. Weinberger, who, after losing several days in attendance, entered the Infirmary on November 15th, and after his discharge attended only a few recitations, and then was compelled to leave the University on account of poor health.

9. *Resolved*, That Acting President T. F. Crane and Secretary and Treasurer, E. L. Williams, be authorized to execute on behalf of the University, deeds for University lands sold in Wisconsin and Minnesota, and to attach to such deeds the corporate seal of the University.

10. *Resolved*, That the Treasurer be authorized to deliver upon proper receipts being given, the remaining equipment of the New York State College of Forestry, to the Department of Forestry in the College of Agriculture, or to the State Department in charge of the Forests.

11. *Resolved*, That upon the approval of the State Architect and of the Agricultural Building Committee, the Treasurer be authorized to execute on behalf of the University, contracts for the construction of the Forestry Building and the Headquarters Building of the Department of Animal Husbandry of the College of Agriculture, and to attach to such contracts the corporate seal of the University.

12. The Treasurer reported that Professor George L. Burr desires to turn over to the University a sum of money being the amount of a Fellowship formerly held by Mrs. Burr, with interest, and the Acting President was authorized to accept the gift and express to Professor Burr the thanks of the Trustees. The matter of details of the gift was referred to the Acting President and the Treasurer to arrange with Professor Burr.

13. The Treasurer reported that the Telluride Association desired an extension of time until next spring, in which to connect with the city water system, and on motion the Treasurer was authorized to grant such an extension until May 1, 1913.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Secy.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., December 17, 1912.

Present—Trustees VanCleaf, Williams, Cornell, Treman, R. H., and Treman, C. E. Acting President Crane, Secretary Williams.

Trustees White, Newman and Blood were excused on account of absence from the city.

Chairman Van Cleaf in the chair.

The minutes of the meeting of December 3, 1912, were read and approved.

Action was taken as follows :

1. On the nomination of the Acting President, Herman C. Kenny was appointed Assistant in Chemistry for the balance of the current year, with salary at the rate of \$300 per annum (*vice* R. C. Lowary, resigned). The change to take effect as of December 7, 1912.

2. On the nomination of the Acting President, F. M. Holbrook, was appointed Reading Assistant in the Department of Economics, (*vice* H. E. Griffith, resigned) with salary at rate of \$150 per annum.

3. The Acting President reported that the war department had terminated the detail of Lieut. Gillmore on December 15, 1912, and had detailed First Lieutenant Henry T. Bull, 13th Cavalry, as Professor of Military Science and Tactics at Cornell University, to take effect December 15th, 1912 ; whereupon it was ordered spread upon the minutes.

The Trustees of Cornell University desire to record their appreciation of the valuable services rendered to Cornell University by W. E. Gillmore, 1st Lieutenant 28th Infantry, U. S. A., since 1911 professor of military science and tactics. During his brief period of service he has maintained the high standards of efficiency established by his predecessors in the military department, and won the respect and esteem of the cadets.

The work of the department which was once onerous and distasteful he has rendered attractive to a large body of students and has instilled into them valuable lessons of discipline.

The University deeply regrets that the War Department in accordance with recent legislation has been obliged to withdraw Lieutenant Gillmore from his detail here, and wishes to express their regard for his personal character and efficiency which will long cause him to be remembered at Cornell.

4. *Resolved*, That Lieut. Bull be recommended to the Board of Trustees for election, as Professor of Military Science and Tactics for the term of his detail, at a salary from the University of \$800 per annum; and it was further resolved that Col. J. D. Corrington of the Cadet corps be appointed Acting Commandant until the arrival of Lieut. Bull, without salary.

5. The Acting President reported that steps were being taken to secure a Professor in the Department of Economics to succeed Professor Kemmerer.

6. Leave of absence for the academic year 1914-15 on half salary was granted to Professor W. W. Comfort, on condition that his work can be carried on to the satisfaction of the President without additional cost to the University. Professor Comfort will at that time have completed 13 successive years of teaching, five at Cornell and eight at Haverford.

7. *Resolved*, That if desired the leave of absence to Assistant Professor Gordon be extended for the balance of the current year, without salary.

8. Leave of absence for the second term of the current academic year, without prejudice to salary, was granted to Assistant Professor A. E. Wells, to enable him to undertake work bringing him in touch with machine tool builders and with an opportunity to see many of the best technical schools of this country. This leave of absence is granted on condition that Professor Wells's work can be carried on to the satisfaction of the Acting President without additional cost to the University.

9. On the recommendation of the Department of German, it was resolved, that the Jacob H. Schiff Fellowship in German, may in the discretion of the faculty of the Graduate School, upon the recommendation of the German Department, be made a traveling Fellowship.

10. Acting President Crane reported that the committee on the disposition of money turned over to the University by Professor Burr, recommended, that a fund be established, the income from which should be placed at the disposition of the Philosophical Departments of the University, and that for the present it be awarded to that Graduate Student who submits the best paper embodying the results of research in the field of philosophy, under conditions to be prescribed by the departments concerned; and that pursuant to Professor Burr's

request, that neither his name or that of Mrs. Burr be connected with the fund, that it be known simply as the Graduate Prize in Philosophy.

11. The Treasurer was authorized to charge the cost of seating the Armory for the '94 Debate Prize, to the contingent fund.

12. \$55 or so much thereof as may be needed was appropriated for the purchasing of lenses and case to contain same, for the Medical Examiner at Sage College. The amount to be charged against the income on the Sage Fund.

13. *Resolved*, That the Acting President and the Treasurer be authorized to execute on behalf of the University, a deed to the people of the State of New York, covering the sites of the Forestry building and the Headquarters building of the department of Animal Husbandry, with a strip 10 ft. in width surrounding the buildings, and a right of way to a public highway, pursuant to the law making appropriations for the construction of said building ; and to attach to such conveyance the corporate seal of the University.

14. *Resolved*, That Acting President T. F. Crane and Secretary E. L. Williams, be authorized to execute on behalf of the University, a release of the buildings on the premises covered by the mortgage to the Minnesota, Canada Land and Investment Co., as provided in said mortgage, and to attach to said release the corporate seal of the University.

15. The Treasurer was authorized to enter into a contract with the United States Bureau of Mines, for furnishing to it electric power for use in experiments in Morse Hall, on the condition that the power to be furnished by the University is received by it from the Ithaca Electric Light and Power Co. at the times and rate specified.

16. The matter of placing suitable tablets in Prudence Risley Hall, commemorating the gifts of Mrs. Russell Sage and Mr. Emerson McMillin, was referred to a committee consisting of Acting President Crane, and Trustee White with power.

17. Memorandum of the expenses of the Guiteau Estate for the months of October and November, 1912, amounting to \$406.81, was presented, and consent given to the payment of the same by the Executors.

18. The use of the Armory for Basket Ball games, was granted to the Minor Sports Athletic Association, for the following dates :

Dec. 18th, evening.
Dec. 21st, afternoon.
Jan. 8th, evening.
Jan. 13th, evening.
Jan. 23rd, evening.
Feb. 8th, afternoon.
Feb. 20th, evening.

19. The use of the Armory on the night of February 7th, 1913, for the Junior Promenade was granted to the Committee on the usual conditions.

20. Use of the Armory on the usual terms and conditions for the night of January 17, February 15th, and March 1st, 1913, was granted to the Minor Sports Athletic Association for wrestling and fencing meets.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., January 13, 1913.

Present—Trustees Van Cleef, White, Williams, Blood, Treman, R. H., Treman, C. E., and Newman. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the chair.

The minutes of the meeting of Dec. 17, 1912, were read and approved.

Action was taken as follows :

1. On the nomination of the Acting President, Dr. S. P. Orth was continued as lecturer on Politics, for the second term of the current academic year, at a salary of \$1,500 for the term, payable from the income of the Goldwin Smith Lectureship Fund.

2. On the nomination of the Acting President, it was resolved to recommend to the Board of Trustees, the election of A. A. Young as Professor of Economics and Finance, at a salary of \$4,000 per annum, to take effect at the beginning of the academic year, 1913-14, to fill the vacancy caused by the resignation of Professor Kemmerer.

3. The Trustees of Cornell University desire to extend to Mrs. William H. Sage their grateful appreciation of her beautiful and useful gift of a railing and screen for the choir loft. The Trustees can never forget that the Chapel owes its existence to the bounty of Mr. Henry Sage, the endowment of the preachiership to the generosity of Mr. Dean Sage and his wife, and the organ and beautiful decoration of the interior of the Chapel to the liberality of Mr. William H. Sage. The Trustees are profoundly grateful for the gift of Mrs. William H. Sage and this evidence of continued interest on the part of a family to whose benefactions Cornell University owes an inestimable debt.

4. George H. Brown was appointed acting Assistant Professor of Romance Languages for the second term of the year 1912-13, at a

salary of \$750 in place of Assistant Professor Arthur Gordon, absent on leave.

5. Leave of absence for the second term of the current academic year, without prejudice to salary, was voted to Professor William N. Barnard, under the statute governing sabbatic leaves, and on condition that his work can be carried on to the satisfaction of the Acting President without additional expense to the University, the late date of Professor Barnard's application having been explained as a misunderstanding of the rule governing sabbatic leaves.

6. On the nomination of the Acting President, it was voted to recommend to the Board of Trustees, the election of Professor Henry N. Ogden, as Professor of Sanitary Engineering in the College of Civil Engineering, at a salary of \$2,500 per annum, to date from August 1, 1913, it appearing that Professor Ogden's five year appointment expires at that date, and it being understood that Professor Ogden's absences from Ithaca in the service of the State Department of Health, shall be arranged satisfactorily to the Acting President and the Director of the College of Civil Engineering.

7. Leave of absence for the second term of the academic year 1913-14 was granted to Professor Henry N. Ogden, under the statute governing sabbatic leaves, without prejudice to salary, and on condition that his work can be carried on to the satisfaction of the President, without additional cost to the University.

8. The Acting President reported that arrangements satisfactory to him having been made for carrying on the work of Professor Harris, he had granted to Professor G. D. Harris, a leave of absence without prejudice to salary, from the Christmas vacation to the beginning of the second term of the current year, this matter having been referred to him with power.

9. The following was presented :

January 13, 1913.

Dear President Crane :

The undersigned committee, acting on behalf of the present and former members of the Faculty of the College of Law, and many former students of this College, tenders as a gift to the University a bronze tablet to the memory of the late Professor William Albert Finch. This tablet has been erected in Boardman Hall.

The committee also tenders as a gift to the University the following volumes from the library of Professor Finch :

| | | |
|----------------------------------|-----|---------|
| New York Common Law Reports..... | 18 | Volumes |
| New York Chancery Reports..... | 7 | " |
| Lansings Reports..... | 7 | " |
| Hun's Reports..... | 92 | " |
| Appellate Division Reports..... | 150 | " |
| Miscellaneous Reports..... | 76 | " |
| Court of Appeals Reports..... | 17 | " |
| (Vols. 189-205 inc.) | | |

These volumes are for the use of the College of Law. A suitable bookplate will be inserted in each volume showing the source and purpose of the gift.

Very respectfully yours,

Signed: C. T. STAGG,
JOHN L. SENIOR,
FREDERICK P. MURPHY.

On motion the gift was accepted and the Acting President requested to convey to the committee, and through them to the Faculty, and the former students of the College of Law, the sincere thanks of the Trustees for their thoughtful and generous action.

10. On the nomination of the Acting President, Dr. H. M. Sheffer, was appointed Lecturer in Modern Logic and Mathematics, for the second term of the current year, without salary.

11. Miss Elizabeth VanDenburgh was appointed cataloguer in the University Library, (vice Miss VanNatten, resigned) from January 1st, for the balance of the current academic year, with salary at the rate of \$40 per month for January and February, and \$45 a month thereafter. The Librarian was authorized to use the balance of Miss VanNatten's salary in hiring temporary assistance.

12. *Resolved*, That Dean A. W. Smith, of Sibley College of Mechanical Engineering, be appointed a delegate to represent Cornell University at a meeting to be held in Washington, D. C., on January 24, 1913, for the purpose of organizing an association composed of the Engineering division of the Land Grant Universities and Colleges.

13. *Resolved*, That plans for turning over the Physical Review now edited by the University department of Physics, to the American Physical Society, on the terms outlined in the letter of Professor Nichols, of January 7th, 1913, and without cost to the University, be approved.

14. The following was received and no action taken thereon :

January 4, 1913.

My dear President Crane :

I have made every possible economy in the budget for next summer and have reduced the number of courses in two or three departments. Even with this it seems impossible to offer the needed instruction for teachers in commercial high schools and of commercial subjects in other high schools. This plan was urged in my last report on the Summer Session (See President's Report 1911-12, Appendix, p lxxv, 3rd paragraph). The discussions in recent educational gatherings, current educational literature, and personal conversation with teachers and superintendents, confirms my opinion in this matter. Education in and for business is being put upon a higher plane in our high schools, and teachers in this field are seeking university instruction.

The one course we are able to offer in the principles of accounting, by Professor Bauer, is in demand every summer. I wish we might add to it instruction in the history of commerce, in English, in business law, and in the approved methods of teaching these subjects in high schools. To do this we need \$600 additional.

Sincerely yours,

GEORGE P. BRISTOL,

Director of Summer Session.

15. The following recommendations from the Entrance Examination Board, were received and laid upon the table for future consideration.

1. That a foreign student who is unable to satisfy the Entrance English requirements may offer his native language and literature in complete or partial satisfaction of the English requirement, provided

a. That the foreign language in question have a recognized literature.

b. That no substitution be allowed for English literature unless the student offers foreign literature as well as foreign language.

c. That the foreign language acceptable as substitutes for English be determined by the Entrance Examination Board which shall be in charge of the administration of the English requirements for foreign students.

d. That the foreign language substituted for English be not counted twice in entrance units.

2. That the Trustees be requested to consider the advisability of appointing an instructor or tutor nominated by the Entrance Examination Board, who shall offer a course in English for foreign students, such course to carry no university credit, but to serve as an equivalent of the entrance units left unprovided for by the substitution of a foreign language for Entrance English.

16. A communication from the State Department of Health, in regard to regular inspection of the Water Shed of Fall Creek, from which the University water supply is obtained, and of reports to the department thereon, was referred to the Treasurer with power, and with authority to employ Professor Ogden to make the inspection if such course seemed wise.

17. The matter of having made an analysis of the air in various rooms of the University was referred to the Treasurer to investigate and report.

18. *Resolved*, That the University consent to the transfer of its contract with Messrs. Day Brothers & Klauder, to the new firm of Day & Klauder, it appearing that Mr. H. Kent Day is retiring from active practice, and that the business of the firm will be continued under the new name.

19. It appearing that Mr. C. P. Davidson, Jr., on account of illness obtained a leave of absence from December 10, 1911, to December 1, 1912, and that he paid full fees and tuition for the first term of last year, it was *resolved*, that he be permitted to complete the work of this term without additional payment.

20. The Treasurer was authorized to refund one-half tuition for the current term of Mr. Frederick G. Dodge, who withdrew from the University on December 5th, having been ill from November 6th, 1912, but who attended a few classes after November 15th.

21. The Treasurer was authorized to refund one-half tuition in the case of Mr. R. K. Austin, who attended no University work after November 15th, and who was obliged to withdraw from the University after recovering from an appendicitis operation.

22. *Resolved*, That the application of Mr. George P. Rea, to be relieved from payment of tuition for the time spent in the College of Agriculture, and to be permitted to register in the College of Arts, be denied.

23. The Treasurer was authorized to pay to the family of the late Daniel King, for over twenty-five years janitor, in the Architectural Department, the amount of his salary from January 1st, to April 1st, 1913.

24. An application from Professor Dennis for additional electric power for operating the ventilating fans in Morse Hall, was laid upon the table for one week.

25. The Treasurer reported that interest had been in default upon the \$25,000 of bonds of the LaCrosse Water Power Co., held by the University, and that a reorganization of the company was under way, and on the recommendation of the Finance Committee, the Treasurer was authorized to subscribe for bonds and stocks in the new company as per the reorganization plans submitted by the bondholders committee, and to charge any loss in the investment to the premium and discount account.

26. *Resolved*, That the balance standing to the credit of the foreclosure property account, be transferred to the premium and discount account.

27. The use of the Armory for the evening of February 5th, 1913, was granted to the Sophomore Cotillion committee on the usual terms and conditions.

28. The matter of inviting the Finance Committee of the Senate, and the Ways and Means Committee of the Assembly, to visit the University and particularly the State Colleges, was referred to Trustee C. E. Treman and the Acting President with power.

29. *Resolved*, That E. L. Williams as Treasurer of Cornell University be authorized to assign any certificate of right to subscribe to the stock of the Great Northern Railway Co., standing in the name of Cornell University, and to affix to such assignment the corporate seal of the University.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't. Sec'y.

Proceedings of the Board of Trustees

WALDORF ASTORIA, NEW YORK CITY, January 18, 1913.

Present—Trustees Sisson, Cornell, Barr, Beahan, Blood, Carlisle, Carnegie, Edwards, Hiscock, Ickelheimer, Miller, Morris, Newman, Place, Pratt, Sackett, Sewell, Shepard, Stevens, Treman, C. E., Treman, R. H., VanCleaf, White, Williams, and Wilson. Acting President Crane, Secretary Williams.

Trustee Wilson was called to the chair.

Letters regretting their inability to be present were received from Trustees Sulzer, Glynn, Smith, Taylor, Westinghouse, Moody, Mason and Lord, and their absences were excused, as was also that of trustee Boldt who was prevented from attending the meeting by illness.

The following telegram was ordered sent to Trustee Lord :

*To the Honorable,
Henry B. Lord,
Ithaca, N. Y.*

The Trustees of Cornell University meeting at New York send to their brother member, Henry B. Lord, their hearty good wishes on the occasion of his ninety-second birthday. For thirty-seven years you have rendered invaluable service to Cornell University, which feels honored by the retention of your name on the roll of its Trustees and benefitted by the experience of a life of extraordinary length and usefulness.

The following action was taken :

1. The minutes of the meeting of this Board of November 7, 1912, were approved as printed ; and the minutes of the Executive Committee from November 12, 1912, to January 13, 1913, inclusive, were approved as printed, and the action therein contained ratified and confirmed.

2. By ballots duly had the following were elected :

1st Lieut. Henry T. Bull, to be Professor of Military Science and Tactics, for the term of his detail, at a salary from the University of \$800 per annum. The appointment to take effect as of December 15, 1912.

Allyn Abbott Young, to be Professor of Economics and Finance, at a salary of \$4,000 per annum. To take effect August 1, 1913.

Henry N. Ogden, to be Professor of Sanitary Engineering in the College of Civil Engineering, at a salary of \$2,500 per annum. To take effect August 1, 1913.

Karl M. Wiegand was elected to be Professor of Botany in the New York State College of Agriculture, at a salary of \$3,000 for the year 1913-14. The appointment to date from October 1, 1913.

3. The following was presented.

CORNELL UNIVERSITY AGRICULTURAL COLLEGE COUNCIL

Meeting, January 17th, 1913.

Present—Trustees Stevens, Carlisle, Miller, Sackett, Wilson, Acting President Crane, Pratt, Sisson, Beahan and Barr. Director Bailey, Treasurer Williams.

Mr. Wilson in the chair.

The following recommendations were made to the Board of Trustees.

1. That Mr. Karl M. Wiegand be elected Professor of Botany in the New York State College of Agriculture at a salary of \$3,000 per annum to begin October 1, 1913.

2. That Mr. M. J. Prucha be elected Assistant Professor of Plant Physiology in the New York State College of Agriculture at a salary of \$1,500, to begin at the beginning of the second term of the present year.

3. The action of the Director in making minor appointments since the last meeting of the Council was approved as follows:

Bruce P. Jones, Assistant Registrar at a salary of \$750 a year to begin February 1, 1913.

Miss A. L. Pascon, Assistant in the survey work in the Department of Farm Management at a salary of \$25 per month, beginning December 1, 1912.

The salary of Miss D. A. Dennis, stenographer in the department of Pomology, to be increased from \$34 to \$38 per month beginning January 1, 1913; and Mr. L. S. Tenny to be instructor for the period of the winter-courses (as last year) at a salary of \$600.

The salary of Miss Fanny Freese to be increased from \$42 to \$45 per month to date from November 1, 1912.

Mr. Percy Hilliard, helper in the Dairy Department, at a salary of \$50 per month in the place of Mr. Crissey, resigned, to date from November 10, 1912; Mr. C. W. Perry, helper in the Dairy Department, at a salary of \$60 per month in place of Mr. J. P. Orr, resigned, to date from November 15, 1912; Mr. A. S. Fuller, helper in the Dairy Department, at \$45 per month from November 25, 1912, to March 1, 1913.

Mr. W. I. Fisher, laboratory assistant in the Department of Plant Breeding at \$50 per month beginning December 1, 1912, to be charged against the Adams Fund; Miss Frances A. Feehan, stenographer at a salary of \$25 per month from November 1, 1912, to May 31, inclusive, to be paid from State funds.

Mr. C. J. Perry, student assistant in the Department of Poultry Husbandry at \$45 per month from November 20, 1912, to March 1, 1913; Miss Louise C. Hanlon, stenographer in the Poultry Department, at \$25 per month, to begin December 1, 1912: Mr. R. P. Trask to be employed in extension work at \$3 per diem for the time actually devoted to such work and expenses; and the following student assistants in the Department of Poultry Husbandry: P. R. Guldin, 25c. per hour, C. H. Rickert, 25c. per hour, A. L. Dean, 25c. per hour, all to begin November 20, 1912; A. E. Boicourt, \$45 per month and a room in the top of the new Poultry Building, to begin November 12, 1912.

Mrs. Flora Stevens, assistant in the mailing-room, at \$28 per month, beginning December 1, 1912; Miss Sue M. Ryder, assistant in the Department of Extension Teaching, \$34 per month, beginning December 1, 1912.

Mr. H. A. Hopper, lecturer in Extension work in Animal Husbandry for the winter at a salary of \$175 per month.

Miss Helen G. Titus to be paid \$50 per month instead of \$45, beginning January 1, 1913. Miss Titus has been connected as stenographer and clerk with the Secretary's office for about a year, and she had thirteen or fourteen years' experience before coming to us and left a \$50 place.

Mr. R. J. Haskell, assistant in extension work in Plant Pathology for the remainder of the year at a salary of \$500 per year, to be charged against the salary that was set aside for Mr. C. P. Smith, resigned.

All the above minor appointments are chargeable against the funds already appropriated to the respective departments.

4. Recommended that the tuition fee for non-residents of the State of New York in Agricultural College Summer School be the same as charged in the University Summer Session.

5. Whereas the Winter Course in Agriculture formerly began the first week of December but now begins about the middle of November, recommended that the rule permitting the refunding of one-half tuition fee to students withdrawing before December 31st, be amended to read:

"That Winter Course Students withdrawing from the College of Agriculture not later than four weeks from the opening of the course may have one half of their fees refunded."

6. Recommended that the College of Agriculture be permitted to charge a fee of Ten Dollars (\$10.00) to all persons registering in the Training Conference for Rural Leaders.

7. That the Director of the College of Agriculture be authorized to use Ten Thousand Dollars (\$10,000) of the forthcoming State appropriation for the support of the 1913 Summer Session in the College of Agriculture.

8. Recommended that the compensation of the Instructing Staff in the Agricultural College Summer Session be fixed upon the same basis as in the University session.

9. That Director Bailey in consultation with the President be authorized to engage a Professor of Rural Education for the 1913 Summer School in Agriculture.

10. The Director reported the establishment in the College of Agriculture of a fellowship by the Orleans Mutual Fellowship Association of New York for two years at One Thousand Dollars (\$1,000) per year.

11. The Director reported his action in leasing two acres of ground for two years of F. L. Verreau at Virgil, Cortland Co. at Ten Dollars (\$10.00) per year for experimental work in soils and his action was approved.

12. Recommended that Professor H. H. Whetzel be granted a Sabbatic leave for 1913-14 upon the usual terms and conditions.

13. Recommended that a special bill be introduced in the legislature asking for appropriation of Seventy-Five Thousand Dollars, (\$75,000) for the purchase of land for the use of the Department of Forestry in the New York State College of Agriculture. (Mr. Sackett at his request being excused from voting.)

14. The following was presented and on motion received and placed on file :

To the Agricultural College Council :

The Committee appointed by the Agricultural College Council at its meeting on November 6th to consider the question of the proportion of electives which Agricultural students may be allowed to take outside the College of Agriculture would report as follows :

1st. They do not find that the Trustees of Cornell University have ever prescribed the proportion of electives which Agricultural students may be allowed to take outside the College of Agriculture.

2nd. The Committee consider that the question is one of educational policy, which should be settled by the College of Agriculture.

T. F. CRANE, Chairman.
M. VANCELEEF,
L. H. BAILEY.

December 13, 1912.

15. The application of Professor Dann with regard to temporary seating in Agricultural College auditorium, was read and placed on file.

The meeting then adjourned.

E. L. WILLIAMS,
Secretary of the Council.

Resolved, That the foregoing be approved, and appointments and recommendations made as recommended, and that a Committee of five, with the chairman of this meeting as chairman, be appointed to draft a bill providing for the appropriation of money for the purchase of land for the College of Agriculture, so as to protect the University's interests. Two members of the committee to be from those appointed by the State and two from members of the Executive Committee. The chair appointed as the remaining members of the committee, Trustees Sackett, Hiscock, Blood and Newman.

4. The special committee, of which Trustee Edwards is chairman, on the cost of student instruction and tuition, presented its report which was accepted, ordered printed in the minutes, and the committee discharged with the sincere thanks of the Board for its careful and exhaustive report.

CORNELL UNIVERSITY,

DEPARTMENTAL COST OF INSTRUCTION, 1911-1912.

The Board of Trustees at its meeting on June 12th, 1912, took the following action:—

“Resolved, That a Committee of five of the Board, one specially cognizant of each of the following five colleges, M. E., C. E., Arts, Law and Agriculture, be appointed to make a digest of the income from and expenses of student instruction, and report their recommendation as to tuition required to make the income equal the running expenses, and to recommend an equitable rate of tuition in the different colleges based on the cost of the different departments. The Committee's report to be sent to all members of the Board at least three weeks before the regular Fall meeting.

The chair appointed as such Committee, Trustees Edwards, Blood, Taylor, Barr and Sisson.”

Complying with the terms of this resolution, the Committee appointed has prepared a digest of the income from and expenses of student instruction as shown by accompanying sheets.

The student hour has been considered as the proper unit to be used in determining the departmental costs. Where the general expenses should be distributed to all students alike, the student has been taken as a unit.

The distribution of student hours of undergraduate students is taken from the list prepared by the Registrar and submitted to the Executive Committee and published in the Proceedings of the Board of Trustees, Executive Committee Meeting, April 30th, 1912.

The distribution of the student hours of graduate students is taken from a report prepared by Dean Ernest Merritt.

Income from and expenses of the different departments and the general expenses are taken from the reports furnished by the Treasurer for the year 1911-1912.

In making this digest, the expenses due to Fellowships, Scholarships and Prizes, and other miscellaneous expenditures, and the amount of money expended for new construction and alterations, practically all of which are taken care of by special funds, have not been considered as part of the expense of student instruction. As items of expense, interest on inventory value of buildings, and on the equipment, have been charged at the rate of five (5%) per cent., (the average income obtained from the University's invested funds). When a department makes use of buildings or equipment, this expense has been charged on the student hour basis to such department. Interest on the buildings and equipment used by all students in general has been charged on the per student basis.

The amount of expense and income of the Infirmary, the Summer Session and the Civil Engineering Survey Camp Board account have not been included. The Infirmary account shows a slight surplus, the Civil Engineering Camp Board account shows a surplus, while the Summer Session account (not charging against it any portion of the general University administration or maintenance expense) shows a deficit of about \$3,250.

To determine expense of student instruction in the Veterinary College, the amount received in the laboratories, and for clinics, etc., amounting to \$6,363.60, has been deducted from the total cost of instruction, and in determining the cost in the State College of Agriculture, the amount \$173,078, income from sales and services and sundry sources has been deducted from the total cost of instruction.

Table No. 1 shows cost of student instruction per student hour, divided as follows :—

Professors and Assistant Professors,
Instructors and Demonstrators,
Employees and other appropriations.

Table No. 2 shows the departmental cost per student hour and per student based upon the number of student hours for graduate and under-graduate students.

Table No. 3 shows the amount of interest on Buildings per student hour and per student, used by different departments and in general.

Table No. 4 shows the amount of interest on equipment per student hour and per student, used by the different departments and in general, and it also shows the amount of general maintenance and administration expenses per student.

Table No. 5 is a summary of the cost per student and shows the percentage of the present tuition rate to the cost per student in the various courses.

The following explanation and table giving the estimated number of student hours taken by graduate students, was furnished by Dean Merritt, July 26th, 1912:

"The accompanying table refers to graduate students registered in the regular session. Two students in the first term and three in the second are not included, owing to the fact that no reports of major and minor subjects were returned. So far as credit is concerned their registration was cancelled.

The method of estimating student hours is as follows :—

Candidates for degree of Doctor of Philosophy ; major, 8 hours ; each minor, 4 hours ; total 16 hours.

Candidates for Master's degree ; major, 10 hours ; minor, 5 hours ; total 15 hours.

Non-candidates are credited in the table with the number of hours selected by each and approved by their advisers.

| SUBJECT. | STUDENT HOURS. |
|------------------------------|----------------|
| Semitics | 10 |
| Greek | 89 |
| Archaeology | 18 |
| Latin | 127 |
| German | 107 |
| Romance Languages | 216 |
| English | 305 |
| Philosophy | 555 |
| Education | 134 |
| History | 329 |
| Political Science | 347 |
| Mathematics | 188 |
| Physics | 786 |
| Chemistry | 1149 |
| Botany | 237 |
| Zoology | 117 |
| Geology | 203 |
| Medicine | 247 |
| Veterinary | 93 |
| Agriculture, inc. | |
| Ent. Agri. Chem., etc. | 3053 |
| Architecture | 45 |
| Civil Engineering | 223 |
| Mechanical Engineering | 548 |
| Total | 9126 |

TABLE NO. I.
CORNELL UNIVERSITY—DEPARTMENTAL COST OF INSTRUCTION—1911-1912

| INSTRUCTION SUBJECTS | Stu- dent Hours | Professors and Asst. Professors | | Instructors & Demonstrat'rs | | Other Appropriations | | Total | | Arts General | TOTAL Including General Per S. H. |
|---------------------------|-----------------------|------------------------------------|-----------|--------------------------------|-----------|-------------------------|-----------|---------|-----------|-----------------|--|
| | | Amount | Per S. H. | Am't. | Per S. H. | Amount | Per S. H. | Amount | Per S. H. | | |
| Arts—General | 64123 | | | | | | | \$ 3988 | \$.06 | | |
| Semitics | 208 | \$2500 | \$12.02 | | | \$ 14 | \$0.07 | 2514 | 12.09 | + 0.06 | = \$12.15 |
| Greek | 513 | 8000 | 15.60 | | | 58 | 0.11 | 8058 | 15.71 | 0.06 | 15.77 |
| Archaeology | 426 | 1500 | 3.52 | | | 963 | 2.26 | 2463 | 5.78 | 0.06 | 5.84 |
| Latin | 845 | 9500 | 11.24 | | | 55 | 0.07 | 9555 | 11.31 | 0.06 | 11.37 |
| German | 2986 | 10000 | 3.35 | \$ 2000 | \$0.67 | 154 | 0.05 | 12154 | 4.07 | 0.06 | 4.13 |
| French | 2997 | 12000 | 4.00 | 3000 | 1.00 | 81 | 0.03 | 15081 | 5.03 | 0.06 | 5.09 |
| English | 7359 | 13000 | 1.76 | 9500 | 1.29 | 80 | 0.01 | 22580 | 3.06 | 0.06 | 3.12 |
| Oratory | 879 | 2500 | 2.85 | 1350 | 1.53 | 228 | 0.26 | 4078 | 4.64 | 0.06 | 4.70 |
| Philosophy and Psychology | 2524 | 18000 | 7.13 | 3144 | 1.24 | 1402 | 0.56 | 22546 | 8.93 | 0.06 | 8.99 |
| Education | 731 | 6500 | 8.89 | | | 1096 | 1.50 | 7596 | 10.39 | 0.06 | 10.45 |
| History | 3021 | 15900 | 5.27 | 1000 | 0.32 | 110 | 0.04 | 17010 | 5.63 | 0.06 | 5.69 |
| Polit. Economy | 8285 | 11625 | 1.40 | 5367 | 0.65 | 567 | 0.07 | 17559 | 2.12 | 0.06 | 2.18 |
| Music | 304 | 3000 | 9.87 | 1850 | 6.09 | 1740 | 5.71 | 6590 | 21.67 | 0.06 | 21.73 |
| Mathematics | 6906 | 16500 | 2.39 | 5700 | 0.83 | 500 | 0.07 | 22700 | 3.29 | 0.06 | 3.35 |
| Physics | 8982 | 19000 | 2.12 | 17100 | 1.90 | 12036 | 1.34 | 48136 | 5.36 | 0.06 | 5.42 |
| Chemistry | 11395 | 15000 | 1.32 | 17969 | 1.58 | 30974 | 2.73 | 63943 | 5.63 | 0.06 | 5.69 |
| Botany | 2350 | 6000 | 2.56 | 4245 | 1.80 | 2956 | 1.26 | 13201 | 5.62 | 0.06 | 5.68 |
| Zoology | 339 | 1500 | 4.43 | 2200 | 6.49 | 1811 | 5.34 | 5511 | 16.26 | 0.06 | 16.32 |
| Geology | 3073 | 12000 | 3.90 | 6067 | 1.97 | 2877 | 0.94 | 20944 | 6.81 | 0.06 | 6.87 |
| Arts—Total | 64123 | 184025 | 2.87 | 80492 | 1.26 | 57702 | 0.90 | 322210 | 5.03 | 0.06 | 5.09 |
| Law | 6940 | 19500 | 2.81 | | | 7857 | 1.13 | 27357 | 3.94 | | |
| Medicine—Ithaca | 1409 | 13500 | 9.64 | 4330 | 3.01 | 8722 | 6.19 | 26552 | 18.84 | | |
| Veterinary | 3498 | | | | | | | 49298 | 14.10 | | |
| Agriculture | 22100 | | | | | | | 252316 | 11.41 | | |
| Architecture | 3946 | 14622 | 3.70 | 5180 | 1.32 | 3031 | 0.77 | 22833 | 5.79 | | |
| Civil Engineering | 13275 | 35500 | 2.67 | 13129 | 1.00 | 10282 | 0.77 | 58911 | 4.44 | | |
| Mechanical Engineering | 27184 | 42500 | 1.56 | 60092 | 2.21 | 31213 | 1.15 | 133805 | 4.92 | | |

TABLE NO. 2.

115

| Instruction Subjects | Student Hour Cost Departmental | | | | Undergraduate Students—Students hours from Registrar's report—Executive Com. Minutes, Apr. 30, 1912. | | | | | | | | | | | | | | | | Graduate Students Student Hours, per Dean's Letter, July 26, 1912 | | | | Total Graduates and Undergraduates | |
|---------------------------------------|--------------------------------|-------------|-----------|---------|--|---------|-------|--------|------------|---------|-------------|---------|--------------|--------|-------------|--------|-------------|--------|----------|---------|---|--------|--------|---------|------------------------------------|--|
| | Instruction and Approp. | Interest on | | Total | Arts | | Law | | Veterinary | | Agriculture | | Architecture | | Civil Engr. | | Mech. Engr. | | Medicine | | S. H. | Cost | S. H. | Cost | | |
| | | Equip. | Real Est. | | Stud. Hrs | Cost | S. H. | Cost | S. H. | Cost | S. H. | Cost | S. H. | Cost | S. H. | Cost | S. H. | Cost | S. H. | Cost | | | | | | |
| Semitics | \$ 12.15 | \$. | \$.62 | \$12.77 | 188 | \$ 2401 | 6 | \$ 77 | | | 2 | \$ 26 | 2 | \$ 26 | | | | | | | 10 | \$ 128 | 208 | \$ 2656 | | |
| Greek | 15.77 | .22 | .62 | 16.61 | 424 | 7043 | | | | | | | | | | | | | | | 89 | 1478 | 513 | 8521 | | |
| Archaeology | 5.84 | 2.97 | .62 | 9.43 | 384 | 3621 | | | | | 3 | 28 | 21 | 198 | | | | | | | 18 | 170 | 426 | 4017 | | |
| Latin | 11.37 | | .62 | 11.99 | 710 | 8513 | 4 | 48 | | | | | 4 | 48 | | | | | | | 127 | 1523 | 845 | 10132 | | |
| German | 4.13 | .02 | .62 | 4.77 | 2242 | 10694 | 37 | 176 | | | 385 | 1836 | 9 | 43 | 53 | 253 | 153 | 730 | | | 107 | 510 | 2986 | 14243 | | |
| French | 5.09 | | .62 | 5.71 | 2416 | 13795 | 109 | 622 | | | 80 | 457 | 62 | 354 | 20 | 114 | 94 | 537 | | | 216 | 1233 | 2997 | 17113 | | |
| English | 3.12 | | .62 | 3.74 | 4027 | 15061 | 668 | 2298 | | | 2349 | 8785 | 15 | 56 | 3 | 11 | 22 | 82 | | | 305 | 1141 | 7389 | 27635 | | |
| Oratory | 4.70 | | .62 | 5.32 | 495 | 2633 | 171 | 910 | | | 49 | 261 | 9 | 48 | 107 | 569 | 48 | 255 | | | | | 879 | 4676 | | |
| Philosophy | 8.99 | .37 | .62 | 9.98 | 1709 | 17056 | 157 | 1567 | | | 64 | 639 | 9 | 90 | 6 | 60 | 24 | 240 | | | 555 | 5539 | 2524 | 25190 | | |
| Education | 10.45 | .25 | .62 | 11.32 | 575 | 6509 | 2 | 23 | | | 20 | 226 | | | | | | | | | 134 | 1517 | 731 | 8275 | | |
| History | 5.69 | | .62 | 6.31 | 2066 | 13036 | 584 | 3685 | | | 18 | 114 | 3 | 19 | 8 | 50 | 13 | 82 | | | 329 | 2076 | 3021 | 19063 | | |
| Polit. Economy | 2.18 | | .62 | 2.80 | 4028 | 11278 | 1030 | 2884 | | | 1178 | 3298 | 71 | 199 | 433 | 1212 | 1198 | 3354 | | | 347 | 972 | 8285 | 23198 | | |
| Music | 21.73 | | .62 | 22.35 | 194 | 4336 | 12 | 268 | | | 46 | 1028 | 10 | 224 | 8 | 179 | 34 | 760 | | | | | 304 | 6794 | | |
| Mathematics | 3.35 | .01 | .62 | 3.98 | 2021 | 8044 | 11 | 44 | | | 9 | 36 | 184 | 732 | 1460 | 5811 | 3033 | 12071 | | | 188 | 748 | 6906 | 27486 | | |
| Physics | 5.42 | .74 | 1.53 | 7.69 | 1688 | 12981 | 38 | 292 | | | 1866 | 14350 | 40 | 308 | 1097 | 8436 | 3467 | 26661 | | | 786 | 6044 | 8982 | 69072 | | |
| Chemistry | 5.69 | .54 | .85 | 7.08 | 4090 | 28957 | 25 | 177 | 214 | 1515 | 2070 | 14656 | | | 1288 | 9119 | 2525 | 17877 | 4 | 28 | 1149 | 8135 | 11365 | 80464 | | |
| Botany | 5.68 | .40 | .62 | 6.70 | 150 | 1005 | | | | | 1963 | 13152 | | | | | | | | | 237 | 1588 | 2350 | 15745 | | |
| Zoology | 16.32 | 5.63 | .62 | 22.57 | 153 | 3452 | | | | | 69 | 1559 | | | | | | | | | 117 | 2641 | 339 | 7651 | | |
| Geology | 6.87 | 1.12 | .62 | 8.61 | 834 | 7181 | 9 | 77 | | | 1098 | 9454 | 67 | 577 | 805 | 6931 | 57 | 491 | | | 203 | 1748 | 3073 | 26459 | | |
| Arts—Student Hours and Cost | | | | | 28414 | 177596 | 2863 | 13148 | 214 | 1515 | 11269 | 69905 | 506 | 2920 | 5288 | 32745 | 10668 | 63140 | 4 | 28 | 4917 | 37191 | 64123 | 398190 | | |
| Law | 3.94 | .05 | .74 | 4.73 | 552 | 2611 | 6384 | 30196 | | | | | | | | | | | | | | | 6940 | 32826 | | |
| Medicine—Ithaca | 18.84 | 2.52 | 4.64 | 26.00 | 532 | 13832 | | | 325 | 8450 | 164 | 4264 | | | | | 3 | 78 | 138 | 3588 | 247 | 6422 | 1409 | 36634 | | |
| Veterinary | 14.10 | .73 | 2.46 | 17.29 | 18 | 311 | | | 3186 | 55086 | 201 | 3475 | | | | | | | | | 93 | 1608 | 3498 | 60480 | | |
| Agriculture | 11.41 | .44 | .75 | 12.60 | 1042 | 13129 | 6 | 76 | 152 | 1915 | 17815 | 22449 | 32 | 403 | | | | | | | 3153 | 38468 | 22100 | 278460 | | |
| Architecture | 5.79 | .33 | .83 | 6.95 | 81 | 563 | | | | | 46 | 320 | 3763 | 26153 | 3 | 21 | 8 | 56 | | | 45 | 313 | 3946 | 27424 | | |
| Civil Engr. | 4.44 | .25 | .33 | 5.02 | 144 | 723 | 3 | 15 | | | 33 | 166 | 83 | 417 | 12553 | 63016 | 236 | 1185 | | | 223 | 1119 | 13275 | 66640 | | |
| Mech. Engr. | 4.92 | .39 | .54 | 5.85 | 171 | 4510 | | | 4 | 23 | 197 | 1152 | | | 712 | 4165 | 24952 | 145969 | | | 548 | 3226 | 27184 | 159026 | | |
| Totals—Student Hours and Cost | | | | | 31554 | 213275 | 9256 | 43435 | 3881 | 66089 | 29725 | 303750 | 4384 | 29893 | 18556 | 99947 | 35867 | 210428 | 142 | 3616 | 9126 | 88347 | 142475 | 1059680 | | |
| Cost per Student Hour | | | | | | \$6.76 | | \$4.69 | | \$17.26 | | \$10.22 | | \$6.82 | | \$5.38 | | \$5.86 | | \$25.46 | | \$9.67 | | \$7.44 | | |
| Average number Undergraduate Students | | | | | 960 | | 314 | | 103 | | 882 | | 134 | | 515 | | 993 | | 7 | | | | 3908 | | | |
| Average number Graduate Students | | | | | 154 | | 0 | | 4 | | 98 | | 2 | | 15 | | 21 | | 1 | | 295 | | 295 | | | |
| Average number Students | | | | | 1114 | | 314 | | 107 | | 980 | | 136 | | 530 | | 1014 | | 8 | | | | 4203 | | | |
| Student Hours, per Student | | | | | 32.8 | | 29.5 | | 37.7 | | 33.7 | | 32.7 | | 36.0 | | 36.1 | | 20.3 | | 30.9 | | 34.0 | | | |
| Departmental Cost, per Student | | | | | | \$222. | | \$138. | | \$650. | | \$344. | | \$223. | | \$194. | | \$212. | | \$517. | | \$299. | | \$252. | | |

TABLE NO. 3.
REAL ESTATE—BUILDINGS—FROM SCHEDULE 14—NOT
INCLUDING LAND

| | AMOUNT | Interest 5% | Student Hours | Rate per Student Hour |
|-------------------------------|-----------|----------------|------------------|-----------------------------|
| <i>Arts</i> | | | | |
| Goldwin Smith | \$353,550 | | | |
| McGraw | 120,000 | | | |
| Morrill, ½ | 35,056 | | | |
| White, ½ | 40,343 | | | |
| | 548,849 | \$27,442 ÷ | 43776 = | \$0.62 |
| <i>Chemistry</i> | | | | |
| Morse | 133,930 | | | |
| Morse (Carnegie ad.) .. | 60,300 | | | |
| | 194,200 | 9,711 | 11365 | 0.85 |
| <i>Physics</i> | | | | |
| Rockefeller | 274,494 | 13,725 | 8982 | 1.53 |
| <i>Law</i> | | | | |
| Boardman | 102,700 | 5,135 | 6940 | 0.74 |
| <i>Veterinary</i> | | | | |
| Buildings in use | 172,366 | 8,618 | 3498 | 2.46 |
| <i>Agriculture</i> | | | | |
| Buildings in use | 330,000 | 16,500 | 22100 | 0.75 |
| <i>Architecture</i> | | | | |
| White, ½ | 40,243 | | | |
| Franklin, ¼ | 25,231 | | | |
| | 65,474 | 3,272 | 3946 | 0.83 |
| <i>Civil Engineering</i> | | | | |
| Fuertes Observatory .. | 6,625 | | | |
| Hydraulic Laboratory .. | 7,390 | | | |
| Lincoln Hall | 72,603 | | | |
| | 86,618 | 4,330 | 13275 | 0.33 |
| <i>Mechanical Engineering</i> | | | | |
| Franklin, ¾ | 75,692 | | | |
| Sibley | 218,362 | | | |
| | 294,054 | 14,703 | 27184 | 0.54 |
| <i>Medical—Ithaca</i> | | | | |
| Stimson | 130,757 | 6,537 | 1409 | 4.65 |
| <i>General</i> | | | | |
| Morrill, ½ | 35,056 | | | |
| Barnes Hall | 53,660 | | | |
| Filtration Plant | 22,000 | | | |
| Infirmery | 60,000 | | | |
| Schuyler House | 15,000 | | | |
| Library | 296,021 | | | |
| Gymnasium | 60,912 | | | |
| Power House | 10,000 | | | |
| President's House | 50,000 | | | |
| Repair Shop | 6,000 | | | |
| Barns | 10,987 | | | |
| | \$619,636 | \$30,982 ÷ | 4203 = | \$7.37 |

TABLE NO. 4.
DEPARTMENTAL EQUIPMENT—FROM SCHEDULE 15.

| Subject | Amount | Interest 5% | Student Hours | Rate per Student Hr. |
|--|-----------|----------------|------------------|-------------------------|
| Arts | | | | |
| Archaeology | \$ 25,341 | \$ 1,267 ÷ | 426 = | \$ 2.97 |
| Education | 3,700 | 185 ÷ | 731 = | 0.25 |
| German | 1,150 | 58 ÷ | 2986 = | 0.02 |
| Greek | 2,292 | 115 ÷ | 513 = | 0.22 |
| Psychology | 18,740 | 937 ÷ | 2524 = | 0.37 |
| Mathematics | 1,935 | 97 ÷ | 6906 = | 0.01 |
| Botany | 18,896 | 945 ÷ | 2350 = | 0.40 |
| Geology | 69,192 | 3,460 ÷ | 3073 = | 1.12 |
| Chemistry | 121,538 | 6,077 ÷ | 11365 = | 0.54 |
| Physics | 133,300 | 6,885 ÷ | 8982 = | 0.74 |
| Zoology and Neurology .. | 38,209 | 1,910 ÷ | 339 = | 5.63 |
| Agriculture | | | | |
| New York State | 174,035 | | | |
| Entomology | 20,175 | | | |
| | 194,210 | 9,710 ÷ | 22100 = | 0.44 |
| Law | 6,442 | 322 ÷ | 6940 = | 0.05 |
| Veterinary | 51,335 | 2,566 ÷ | 3498 = | 0.73 |
| Architecture | 25,681 | 1,284 ÷ | 3946 = | 0.33 |
| Civil Engineering | 66,755 | 3,338 ÷ | 13275 = | 0.25 |
| Mechanical Engineering .. | 212,447 | 10,622 ÷ | 27184 = | 0.39 |
| Medical—Ithaca | 71,153 | 3,557 ÷ | 1409 = | 2.52 |
| <i>General Equipment, from Schedule 15</i> | | | | |
| Gymnasium | 13,359 | | | |
| Library | 296,020 | | | |
| Military | 2,876 | | | |
| Administration | 12,419 | | | |
| Chimes, etc. | 16,220 | | | |
| Electric Service | 33,287 | | | |
| Fire Apparatus | 1,325 | | | |
| Grounds | 8,240 | | | |
| Repairs | 10,521 | | | |
| Tunnel and Flume | 29,700 | | | |
| Water and Steam | 4,775 | | No. Students | Per Student |
| Water Works | 34,729 | | | |
| | \$463,471 | \$23,173 | 4203 | \$5.51 |
| <i>General Expense, from Schedule 2</i> | | | | |
| Graduate School | 1,127 | | | |
| Library | 44,234 | | | |
| Administrat'n & General .. | 94,538 | | | |
| Operative & Mainten. .. | 43,147 | | | |
| Repairs | 20,637 | | | |
| Military Science | 4,703 | | No. Students | Per Student |
| Physical Culture | 12,476 | | | |
| | \$220,862 | | 4203 | 52.55 |

TABLE NO. 5. CORNELL UNIVERSITY—DEPARTMENTAL COST
OF STUDENT INSTRUCTION—1911-1912.

COST SUMMARY PER STUDENT.

| COURSE | Departmental Expense | General Interest | | General Expense | Per Student Year | | Tuition % Cost | 60% of Cost |
|-------------------|-------------------------|------------------|-----------|--------------------|------------------|---------|-------------------|----------------|
| | | Buildings | Equipment | | Cost | Tuition | | |
| Arts ----- | \$222.00 | \$7.37 | \$5.51 | \$52.55 | \$287 | \$100 | 35% | \$172 |
| Law ----- | 138.00 | 7.37 | 5.51 | 52.55 | 203 | 100 | 49% | 122 |
| Veterinary ---- | 650.00 | 7.37 | 5.51 | 52.55 | 715 | — | — | — |
| Agriculture ---- | 344.00 | 7.37 | 5.51 | 52.55 | 409 | — | — | — |
| Architecture ---- | 223.00 | 7.37 | 5.51 | 52.55 | 288 | 150 | 52% | 172 |
| Civil Eng. ---- | 194.00 | 7.37 | 5.51 | 52.55 | 259 | 150 | 58% | 155 |
| Mech. Eng. ---- | 212.00 | 7.37 | 5.51 | 52.55 | 276 | 170 | 62% | 166 |
| Medical-Ithaca | 517.00 | 7.37 | 5.51 | 52.55 | 581 | 150 | 26% | 348 |

* The tuition given for Mechanical Engineering includes, beside the regular rate \$150, the Sibley fee of \$20 per year.

The cost given for the State Collège of Agriculture and Veterinary, and the Medical Department at Ithaca, includes the expense of Extension work done by the State Colleges, and some Research work done by all, the amount of which could not be determined from reports given the Committee.

The above summary indicates that the tuition charges of the Colleges of Arts, Law and Medicine are not as high a proportion of the cost of instruction as of the Colleges of Mechanical and Civil Engineering. In order to make the tuition rate equitable, and to provide sufficient income for the running expenses of the University, it is suggested that the following changes be made:—

The tuition for the Summer Session be increased to \$40.

The tuition for the College of Arts be increased to \$150, and for the College of Law to \$125.

In the College of Civil Engineering fees of \$5 each for the first and fourth years and \$10 each for the second and third years be charged for materials and equipment used in laboratory courses.

The course in Botany be transferred to the State College of Agriculture.

The Medical Department at Ithaca be abolished, and the courses given by it be placed under the College whose students receive the largest proportion of instruction given by the Medical Department Staff.

The percentage of tuition as suggested to cost of Instruction per student year then becomes

| Course | Cost | Tuition | % |
|-----------------------------|-------|---------|-----|
| Arts ----- | \$287 | 150.00 | 52% |
| Law ----- | 203 | 125.00 | 62% |
| Architecture ---- | 288 | 150.00 | 52% |
| Civil Engineering ---- | 259 | 157.50 | 61% |
| Mechanical Engineering ---- | 276 | 170.00 | 62% |

Assuming that the number of paying students will be the same as for the past year 1911-1912, the increase in income would be approximately:—

| | | |
|-----------------------------------|-----------|-----------------|
| 750 Art Students ----- | @ \$50.00 | = \$37,500 |
| 250 Law Students ----- | @ 25.00 | = 6,250 |
| 530 Civil Eng. Students ----- | 7.50 | = 3,975 |
| Botany transferred to State ----- | | = 15,000 |
| | | <u>\$62,725</u> |

In addition to the above whatever may be saved by transferring the Medical Department to other courses should be considered.

JAMES H. EDWARDS,
JOHN H. BARR,
CHARLES H. BLOOD,
GEO. W. SISSON, JR.,
HARRY L. TAYLOR, } Committee.

CORNELL UNIVERSITY.
REPORT OF COMMITTEE ON COST OF STUDENT INSTRUCTION AND TUITION.

At a meeting of the Board of Trustees held at Ithaca, November 7th, 1912, your Committee on income and expense of student instruction presented its report, and the following action was taken :

"The Committee appointed to consider the income and expense of student instruction, presented its report, and on motion it was resolved that the Committee be continued, that it be requested to gather and report at the next meeting of this Board, such information bearing on the subject of raising tuition fees as may seem pertinent, and especially to report a schedule of tuition fees charged in other universities, in Colleges or Departments corresponding to those now under consideration."

Complying with this resolution, your Committee gives a schedule of tuition rates and general fees as follows :

UNIVERSITIES AND COLLEGES HAVING GENERAL AND SCIENTIFIC COURSES.

| | ARTS | | ENGINEERING | | LAW | |
|--------------------|------------|-----------|-------------|-----------|------------|---------|
| | Tuition | Fee | Tuition | Fee | Tuition | Fee |
| Yale | \$150 00-- | \$ 5 00-- | \$150 00-- | \$21 00-- | \$150 00-- | \$ 5 00 |
| Harvard | 150 00-- | 4 00-- | 150 00-- | 4 00-- | 150 00-- | 4 00 |
| Columbia | 150 00-- | 12 00-- | 250 00-- | 15 00-- | 150 00-- | 15 00 |
| Pennsylvania | 150 00-- | -- | 200 00-- | -- | 160 00-- | -- |
| Syracuse | 75 00-- | 39 00-- | 100 00-- | 39 00-- | 100 00-- | 13 00 |
| Lehigh | 100 00-- | 12 50-- | 200 00-- | 12 50-- | -- | -- |
| Lafayette | 100 00-- | 49 00-- | 100 00-- | 49 00-- | -- | -- |
| Dartmouth | 140 00-- | 2 00-- | 140 00-- | 2 00-- | -- | -- |
| Union | 90 00-- | 28 00-- | 120 00-- | 28 00-- | 110 00-- | 5 00 |
| Tufts | 125 00-- | 20 00-- | 150 00-- | 20 00-- | -- | -- |
| Michigan | 40 00-- | 18 00-- | 55 00-- | 18 50-- | 65 00-- | 18 00 |
| Wisconsin | 70 00-- | 24 00-- | 70 00-- | 34 00-- | 70 00-- | 30 00 |
| Purdue | 25 00-- | 37 00-- | 25 00-- | 37 00-- | -- | -- |
| Illinois | 24 00-- | 4 00-- | 24 00-- | 4 00-- | 50 00-- | 2 50 |

COLLEGES—WITH GENERAL COURSES ONLY.

| | Tuition | Fee |
|--------------------|----------|---------|
| Princeton | \$160 00 | \$18 00 |
| Amherst | 140 00 | 1 50 |
| Williams | 140 00 | 2 50 |
| Brown | 105 00 | 51 00 |
| Hamilton | 90 00 | 40 00 |
| Colgate | 60 00 | 28 00 |
| Rochester | 90 00 | 25 00 |
| Wellesley | 175 00 | 5 00 |
| Vassar | 150 00 | -- |
| St. Lawrence | 60 00 | 18 00 |
| Wesleyan | 90 00 | 51 00 |
| Trinity | 100 00 | 30 00 |
| Rutgers | 100 00 | 35 00 |

COLLEGES—WITH SCIENTIFIC ONLY.

| | | |
|------------------|----------|---------|
| Rennsalaer----- | \$200 00 | \$ 2 00 |
| Stevens ----- | 225 00 | |
| Mass. Inst.----- | 250 00 | |
| Brooklyn Poly.. | 200 00 | |
| Armours ----- | 150 00 | 2 00 |

SUMMER SCHOOLS.

| | | |
|------------------|--|--|
| Columbia ----- | \$35 00 for six hours—\$10.00 for each additional hour. | |
| Pennsylvania---- | 15 00 for each lecture course, for two \$25.00; for three or more \$35.00. Laboratory course \$20 to \$30. | |
| Syracuse ----- | 25 00 for 2 courses (4 semester hours), for one course or 1 ½ course \$15.00. | |
| Rennselaer----- | 35 00 per course. | |
| Mass. Inst.----- | 25 00 per course. | |

The fees given cover only general charges to all students, such as Matriculation, Infirmary, Public Room, Graduation, etc., fees.

Laboratory fees covering breakage and material used are charged by practically all the General Course Schools and by some of the Scientific Schools, and these are not included in the fees given in the schedules.

The tuition and general fees at Cornell are—

| | | |
|----------------------------|----------------|-------------------|
| Arts ----- | \$100 Tuition, | \$10 General Fees |
| Law ----- | 100 “ | 10 “ |
| Architecture ----- | 150 “ | 10 “ |
| Civil Engineering----- | 150 “ | 10 “ |
| Mechanical Engineering | 150 “ | 10 “ |
| and \$20 Departmental fee. | | |

On December 7th, 1912, your Committee met at Ithaca with the Deans of the Departments of Arts, Law, Architecture, Civil Engineering and Mechanical Engineering.

At this conference the Deans of the different departments were particularly asked to express themselves freely as to what in their opinion would be the result should the tuition rate be raised, what institutions they considered as competitors, how the instruction given by them compared with that given at Cornell and also to give such general opinions as they saw fit concerning the subject being considered.

After giving consideration to the tuition charged by other institutions, and the opinions of the Deans of the Departments of Arts, Law, Architecture, Civil and Mechanical Engineering, it is recommended that changes be made in the tuition rates and fees as follows—

| | | |
|------------------------|----------------------|---------------------|
| Arts | Changed from \$100 | to \$125 |
| Law | “ “ \$100 | to \$125 |
| Civil Engineering | “ “ \$150 | to \$150 + \$25 fee |
| Mechanical Engineering | “ “ \$150 + \$20 fee | to \$150 + \$25 fee |
| Summer Session | “ “ \$ 30 | to \$ 40 |

Tuition in other departments and general fees are not to be changed.

The departmental fee in Mechanical Engineering (Sibley) is increased \$5.00, and in Civil Engineering the fee of \$25.00 is added with the understanding that these departments will be given, in addition to the amount allotted to them for salaries and other departmental expenditures determined on a basis equivalent to their present appro-

priations, the amounts derived from such increase. The average appropriation for the past five years for Sibley was approximately \$133,000 for 1,100 students, and for Civil Engineering \$61,000 for 540 students.

The table giving the summary of cost of instruction per student year on sheet No. 5 of the previous report is repeated here, with the changes recommended added.

| Course | Cost | 60% Cost | Present Tuition | Recommended Tuition | Dept. Fee |
|-------------------------|-------|----------|-----------------|---------------------|-----------|
| Arts ----- | \$287 | \$172 | \$100 | \$125 | --- |
| Law ----- | 203 | 122 | 100 | 125 | --- |
| Architecture ----- | 288 | 172 | 150 | 150 | --- |
| Civil Engineering ----- | 259 | 155 | 150 | 150 | \$25 |
| Mech. Engineering ----- | 276 | 166 | 170* | 150 | 25 |
| Medical-Ithaca ----- | 581 | 348 | 150 | 150 | --- |
| Summer Session ----- | | | 30 | 40 | --- |
| Agriculture ----- | 344 | --- | --- | --- | --- |
| Veterinary ----- | 650 | --- | --- | --- | --- |

This summary indicates that the tuition rates of the Colleges of Arts, Law and Medicine are not as high a proportion of the cost of instruction as of the Colleges of Engineering.

The costs given for the State College of Agriculture and Veterinary, and the Medical Department at Ithaca, include the expense of Extension work done by the State Colleges, and some Research work done by all, the amount of which could not be determined from reports given the Committee.

A sheet giving the plotted curves showing the attendance and tuition rates since the University opened is attached.

Assuming that the number of paying students will be the same as for the past year—1911-1912, the increase in the income would be approximately—

| | | | |
|--------------|---------------|-----------|-------------|
| 750 Students | Arts Course @ | \$25.00 = | \$18,750.00 |
| 250 " | Law Course @ | \$25.00 = | \$ 6,250.00 |
| <hr/> | | | |
| \$25,000.00 | | | |

This together with an equitable amount which should be paid by the State for instruction given the State College students by the University, and some economies that doubtless could be affected, should give a safe margin of income over expenses.

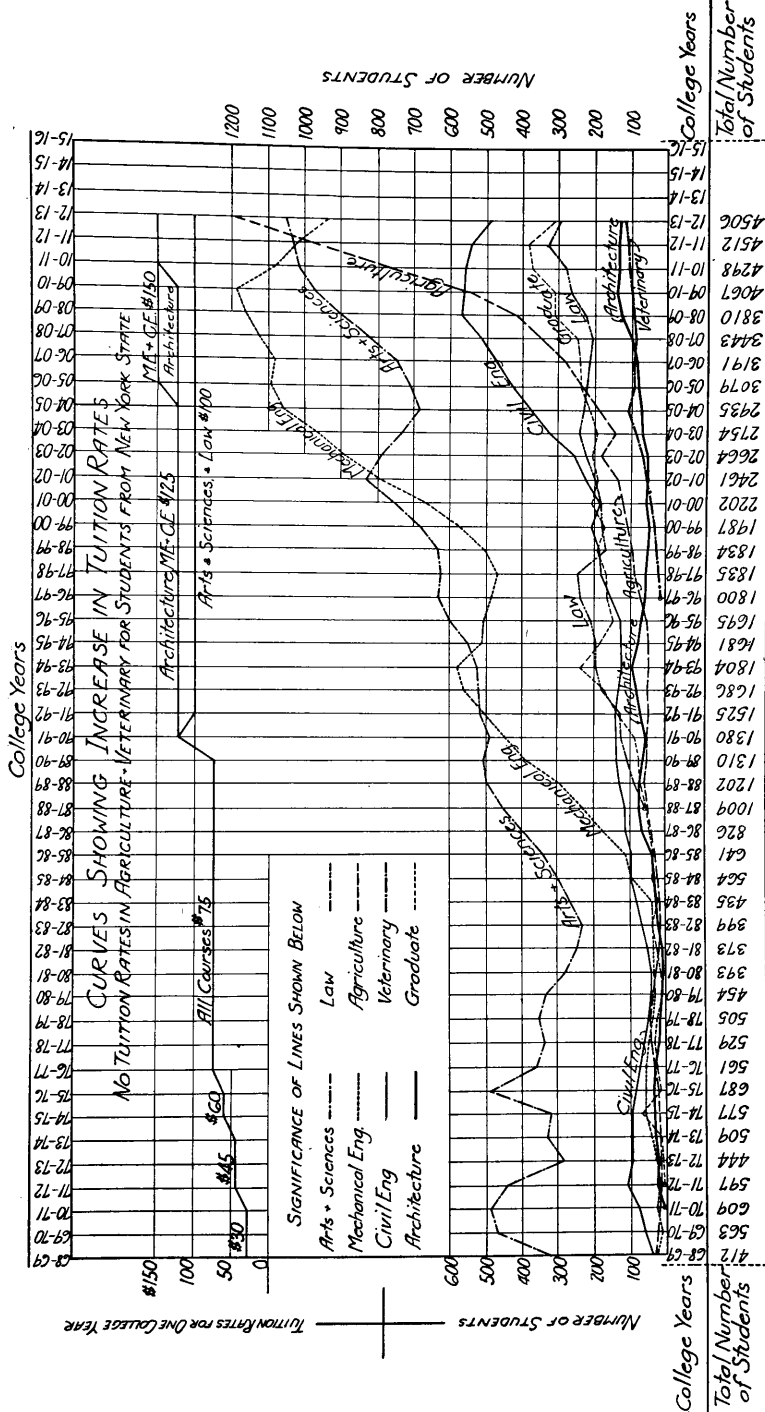
Respectfully submitted,

| | |
|----------------------|--------------|
| JAMES H. EDWARDS, | } Committee. |
| JOHN H. BARR, | |
| CHARLES H. BLOOD, | |
| GEO. W. SISSON, JR., | |
| HARRY L. TAYLOR. | |

New York, January 18th, 1913.

NOTE—Mr. Blood dissented from that part of the report of the committee recommending that the increase in fees in Mechanical Engineering and Civil Engineering be given to those colleges in addition to the proportionate amount now allowed them, on the ground that it was erroneous in principle.

* Includes Sibley fee of \$20.



CURVES SHOWING NUMBER OF STUDENTS IN DIFFERENT DEPARTMENTS IN CORNELL UNIVERSITY FROM 1868 TO 1913

CURVES FOR Medical School (New York) NOT SHOWN

5. *Resolved*, That in accordance with the recommendation of the committee, changes in tuition and fees to take effect July 1, 1914, and to include the 1914 Summer Session, be adopted as follows :

Arts tuition to be \$125 per year.

Law tuition to be \$125 per year.

Summer Session to be \$40 per session.

Sibley Fees to be \$25 per year.

Civil Engineering Fees to be \$25 per year.

6. *Resolved*, That it is the sense of this Board that if possible the appropriations for the Departments of Mechanical Engineering and Civil Engineering should have the direct and immediate benefit derived from the increase of "fees" in those departments respectively.

7. *Resolved*, That the Acting President and Treasurer be authorized to take such measures as they deem best to give full and ample notice of the action increasing tuition and fees.

8. Trustee Sackett of the Alumni Field Committee, presented the following :

ITHACA, N. Y., Jan. 15, 1913.

My dear Col. Sackett :

Permit me to inform you that at the meeting of the Trustees' Alumni Field Committee held Jan. 11th in the offices of Judge Blood in Ithaca, N. Y., the following resolution was adopted and you were requested to present the same to the Board of Trustees of the University :—

WHEREAS, According to the most carefully considered computations of its experts, this Committee finds that the additional expense which it necessarily incurs in laying out, grading, developing and otherwise preparing for use the 'Varsity Athletic Grounds of the enclosed portion of Alumni Field, upon the newly allotted area of the western end thereof, will be more than \$44,450 in excess of the corresponding expense of completing the preparation that was progressing upon the area at the Eastern end when the exchange of allotment was made ; and

WHEREAS, This committee, while recognizing its responsibility to the alumni who have by their generous contributions made possible the creation of Alumni Field, is also deeply mindful of the manner in which the University Board of Trustees, in the face of great financial stringency and a growing deficit, has fulfilled its pledges to the alumni and realizes that whatever is taken from its treasury for that purpose must, of necessity, be withdrawn from the maintenance of other University interests and believes that the exchange of areas, as made by the authority of the Board of Trustees, will result in great advantage to the athletic interests of the undergraduates as well as benefit of the student body in out-of-door sports ; and

WHEREAS, The difference in the expense of such two developments is in some degree a matter of expert estimate rather than of positive ascertainment ; Now therefore,

Resolved, That in the opinion of this Committee the sum of \$40,000 would be the fair and reasonable sum to be paid out of the University Treasury to the Alumni Field Fund to compensate for the additional expense entailed thereon by the exchange of areas at the Eastern and Western ends of the Alumni Field to meet the needs of the State College of Agriculture : and

Resolved, That the Board of Trustees of Cornell University be respectfully requested at its next meeting to make the Alumni Field Fund an appropriation of \$20,000, which with the sum of \$20,000 already appropriated and paid for the same purpose, is to be paid and received in full settlement and adjustment of the matter of difference in the cost of construction of the enclosed 'Varsity Athletic Grounds at the present Western end of Alumni Field over that formerly begun at the Eastern end.

Yours very faithfully,

W. W. ROWLEE, Sec'y.

Resolved, That in accordance with the above request, Twenty Thousand Dollars be appropriated to the Alumni Field Committee in full settlement and adjustment of the matter of difference in the cost of construction of the enclosed, Varsity Athletic Grounds, at the present western end of the Alumni Field over that formerly begun at the eastern end.

9. *Resolved*, That the Acting President investigate in any manner he may deem wise the student health department of the University of Wisconsin, and report on the advisability of such similar or corresponding work in Cornell University, and that he also consider making this a part of our College of Medicine.

10. The following was presented :

January 15, 1913.

To the Board of Trustees of the Cornell University, Ithaca, N. Y.

Gentlemen :

I hereby tender my resignation as a member of the Building Committee of Cornell University to take effect at once.

In explanation of the reasons which have led me to feel that it is advisable for me to take this step I desire to say that in my business relations I am President of one business corporation and Director of another, which, through two or three of their different departments, enter into sub-contracts with general contractors who are erecting different University or Agricultural college buildings, and while these contracts are made between our corporations and the contractors after contracts have been awarded by the State to such general contractors on competition bids publicly opened, and not with the Uni-

versity or the State directly, the question has arisen whether my being Chairman of the Building Committee of Cornell University (and as such an ex-officio member of the Building Committee of the State College of Agriculture, both committees having in charge the erection of buildings) might not subject the University, as well as I myself, to criticism if I, as a member of the Building Committee were indirectly interested in contracts coming under its supervision.

To relieve the University, as well as myself, of any such criticism or embarrassing position I deem it wise that I should be relieved of further service on either Building Committee and be permitted to serve the University along such other lines as may be assigned to me.

Respectfully yours,

ROBERT H. TREMAN.

Resolved, That Trustee R. H. Tremen's resignation from the Building Committee be accepted, with the thanks of the Board for many years of untiring service rendered by him as a member of the Committee and as its chairman.

11. Whereas the vacancy has arisen in the Deanship of the Faculty of Arts and Sciences, owing to the resignation of Dean Hull, be it

Resolved, that the statute governing the appointment of the Dean of the Faculty of Arts and Sciences be waived on this occasion, and that the question of the choice of a successor to Dean Hull be referred with power to the Faculty of Arts and Sciences.

12. Trustee Place, presented a verbal report of the work of the Cornellian Council.

13. *Whereas*, President Schurman has recommended in his annual report that the Faculty be given a larger and more direct voice in the government of the University, and

Whereas, the Board of Trustees not only recognize the desirability of closer relations and greater cooperation between the Faculty and the Board of Trustees in matters pertaining to the administration of its affairs, but also feels that the matter is of such vital importance that changes should only be adopted after most careful consideration, therefore

Resolved, That this matter be referred to a committee of five to be appointed by the chairman, to consider and report recommendations to this Board at a later meeting. Final action to be deferred until President Schurman returns. The chair appointed as such committee Trustees Hiscock, Stevens, VanCleaf, Carnegie and Place.

14. *Resolved*, That the communications in regard to the recommendation of President Schurman, received from several members of the Board of Trustees, be referred to the above mentioned committee.

15. *Resolved*, That a committee of five of which the chairman of this meeting shall be chairman, be appointed by the chairman to consider the question of the standing committees of the Board and to

make a report with its recommendation at the next meeting of this Board. The chair appointed Acting President Crane and Trustees C. E. Treman, Boldt and White.

16. *Resolved*, That Trustee R. B. Williams be appointed acting chairman of the Building Committee until the next meeting of this Board.

17. *Resolved*, That the secretary be instructed to communicate to Trustee Boldt the sincere appreciation of the Board of his hospitality in connection with this meeting and its regret that illness has prevented his being present.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Sec'y.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., January 28, 1913.

Present—Trustees VanCleaf, Williams, Newman, White, Treman, R. H. and Cornell. Acting President Crane, Secretary Williams.

Chairman VanCleaf in the chair.

Trustee C. E. Treman was excused on account of absence from the city, for the next four weeks.

Action was taken as follows :

1. The matter of converting the University Fellowship in Mechanical and Electrical Engineering into an appropriation for Graduate work was referred to the Acting President and Treasurer to investigate and report.

2. The resignation of Dr. S. Milbank as Instructor of Applied Pharmacology in the Medical College in New York City, to take effect October 25, 1912, was presented and accepted.

3. On the nomination of the Acting President the following promotion and appointments were made to the staff of the Medical College in New York.

C. C. Barrows, now Clinical Instructor of Surgery, Department of Gynecology, at a salary of \$200 a year, was promoted to an Assistant Professorship in the same subject, without change of salary.

Nellis Barnes Foster, Instructor in Clinical Medicine (in connection with the New York Hospital) at a salary of \$1,000, for one year from January 1, 1913.

Arthur I. Holland, Assistant Physician to the Dispensary Department of Medicine, without salary.

Miss Jessie A. Moore, Assistant in Experimental Therapeutics, without salary.

Harold E. Santee, Assistant in Operative Surgery, at a salary of \$50, from January 1, 1913, to end of session.

It was voted that \$150 of the \$250 appropriated at the meeting of the Council of January 18th, for work being done in the New York Hospital be added to the (\$100) salary of Joseph C. Roper, Clinical Instructor in Medicine, Department of Pediatrics.

4. *Resolved*, That the Library be kept open until 10 P. M. during the Summer Session of 1913 at a cost not exceeding \$150, chargeable to the Summer Session appropriation.

5. On the nomination of the Acting President appointments in the Summer Session of 1913 were made as follows :

| <i>Name</i> | <i>Department</i> | <i>Salary</i> |
|--------------------------|-----------------------|---------------|
| Arthur J. Abbott..... | Music | \$300 00 |
| Joseph Q. Adams, Jr..... | English | 300 00 |
| Arthur A. Allen..... | Zoology | 200 00 |
| Ross P. Anderson..... | Chemistry | 200 00 |
| Albert L. Andrews..... | German | 200 00 |
| Elmer J. Bailey..... | English | 200 00 |
| John Bauer..... | Economics | 300 00 |
| Charles E. Bennett..... | Latin | 400 00 |
| William Betz..... | Mathematics | 300 00 |
| Ernest Blaker..... | Physics | 350 00 |
| Smiley Blanton..... | Public Speaking | 250 00 |
| Albert W. Boesche..... | German | 300 00 |
| Julian P. Bretz..... | History | 400 00 |
| Leslie N. Broughton..... | English | 200 00 |
| Harry P. Brown..... | Botany | 200 00 |
| Arthur W. Browne..... | Chemistry | 400 00 |
| Laura Bryant..... | Music | 300 00 |
| Earle N. Burrows..... | Engineering | 200 00 |
| Walter Butterfield..... | Music | 200 00 |
| Lane Cooper..... | English | 300 00 |
| George Irving Dale..... | Spanish | 200 00 |
| Hollis E. Dann..... | Music | 500 00 |
| Hermann Davidsen..... | German | 300 00 |
| Merritt J. Davis..... | Chemistry | 75 00 |
| Charles DeGarmo..... | Education | 400 00 |
| Edgar A. Doll..... | Education | 200 00 |
| Arthur J. Eames..... | Botany | 200 00 |
| Harry L. Edick..... | Manual Training | 200 00 |
| William H. Elson..... | Education | 400 00 |
| Ellsworth D. Elston..... | Geography | 125 00 |
| Mable D. Ely..... | Drawing | 250 00 |
| George A. Everett..... | Public Speaking | 300 00 |
| Gail J. Fink..... | Chemistry | 100 00 |
| William S. Foster..... | Psychology | 100 00 |
| Roswell C. Gibbs..... | Physics | 300 00 |
| David C. Gillespie..... | Mathematics | 300 00 |
| Ralph J. Gilmore..... | Zoology | 100 00 |

| | | |
|-------------------------|-----------------------|--------|
| Pierre F. Giroud | French | 300 00 |
| Maurice H. Givens | Physiology | 150 00 |
| J. Earl Griffith | Industrial Education | 300 00 |
| Clarence F. Hale | Physics and Chemistry | 300 00 |
| John J. Hayes | Music | 150 00 |
| Arthur R. Hitch | Chemistry | 75 00 |
| Emmet F. Hitch | Chemistry | 200 00 |
| Leroy Hooper | Manual Training | 200 00 |
| Burdette N. Howe | Manual Training | 125 00 |
| Andrew Hunter | Physiology | 300 00 |
| Wallie A. Hurwitz | Mathematics | 200 00 |
| Edward F. Johnston | Music | 300 00 |
| Edwin W. Kemmerer | Economics | 400 00 |
| Dexter S. Kimball | Industrial Education | 400 00 |
| Burton J. Lemon | Chemistry | 200 00 |
| G. E. F. Lundell | Chemistry | 200 00 |
| William E. Lunt | History | 400 00 |
| Samuel A. Mahood | Chemistry | 75 00 |
| Joseph V. McKelvey | Mathematics | 200 00 |
| James F. Mason | French | 300 00 |
| Peter A. van der Meulen | Chemistry | 75 00 |
| Benton S. Monroe | English | 300 00 |
| Frederick Monteser | German | 300 00 |
| Richard A. Mordorf | Geography and Geology | 125 00 |
| Everett W. Olmsted | French | 400 00 |
| William R. Orndorff | Chemistry | 400 00 |
| Frederick W. Owens | Mathematics | 200 00 |
| Irving Perrine | Geology | 300 00 |
| Miles A. Pond | Descriptive Geometry | 300 00 |
| Paul R. Pope | German | 300 00 |
| R. W. Powell | Mechanics | 150 00 |
| Harry W. Redfield | Chemistry | 200 00 |
| Hugh D. Reed | Zoology | 300 00 |
| Ernest W. Rettger | Mechanics | 300 00 |
| Floyd K. Richtmyer | Physics | 300 00 |
| Harold E. Riegger | Chemistry | 75 00 |
| Willard W. Rowlee | Botany | 400 00 |
| Christian A. Ruckmich | Psychology | 200 00 |
| Elsie Sameth | Physical Education | 200 00 |
| Francis J. Seery | Hydraulics | 300 00 |
| Francis R. Sharpe | Mathematics | 300 00 |
| John S. Shearer | Physics | 400 00 |
| Clarence M. Sherwood | Chemistry | 75 00 |
| Louis L. Silverman | Mathematics | 200 00 |

| | | |
|-----------------------------------|---------------------------|-------------|
| Virgil Snyder..... | Mathematics..... | 400 00 |
| Newton Swift..... | Music..... | 300 00 |
| Thomas Tapper..... | Music..... | 300 00 |
| Leonard C. Urquhart..... | Engineering..... | 200 00 |
| James E. Vanderhoef..... | Manual Training..... | 200 00 |
| Oscar D. vonEngeln..... | Geography..... | 300 00 |
| Harry P. Weld..... | Psychology..... | 300 00 |
| Albert E. Wells..... | Industrial Education..... | 300 00 |
| Thomas W. B. Welsh..... | Chemistry..... | 200 00 |
| Guy M. Whipple..... | Education..... | 400 00 |
| Ray H. Whitbeck..... | Geography..... | 400 00 |
| Bernice White..... | Music..... | 175 00 |
| John T. Williams..... | Industrial Education..... | 300 00 |
| Wilford M. Wilson..... | Meteorology..... | 125 00 |
| Harry E. Wood..... | Industrial Education..... | 300 00 |
| Wesley D. Zinnecker..... | German..... | 200 00 |
| ..... | Geology..... | 125 00 |
| Total of Salaries for Instruction | | <hr/> |
| | | \$24,950 00 |

ADMINISTRATION.

| | |
|-------------------------------------|--------|
| Director, previously appointed..... | 500 00 |
| D. F. Hoy, Registrar..... | 300 00 |

Total for Salaries.....\$25,750 00
 About \$900.00 the balance less than 1912 is the miscellaneous total \$27,800.

6. *Resolved*, That the appointment of a committee of three upon the Summer Session, of which committee the President shall be a member, be referred to the Full Board Committee upon standing Committees.

7. *Resolved*, That the matter of appointments in the College of Law and the communication from Dean Irvine, be laid upon the table until the general question of appointments and promotion is taken up.

8. *Resolved*, That the Full Board be requested to appoint a committee of five to study the organization of the College of Law, with a view to promotion of the efficiency of the same.

9. The request of Robert M. Williams that he be granted the degree of Bachelor of Science in Agriculture instead of Bachelor of Science, was granted for the reason that he was a student in the College of Agriculture at the time the degree was changed and particularly desired the degree offered at the time of his entrance.

10. *Resolved*, That the College of Architecture be authorized to join the Association of Collegiate Schools of Architecture, as outlined in the communication of January 17, 1913, from Director Martin.

11. The matter of printing in pamphlet form the Founder's Day address by Professor James Morgan Hart, was referred to the Acting President to consider and report.

12. *Resolved*, That Assistant Professor Fluegel be requested to tender before the beginning of the next term his resignation as Assistant Professor of German to take effect not later than June 18, 1913.

13. Permission for use of the Armory upon the usual terms and conditions was granted as follows :

Tuesday Feb. 11, 1913, for Basketball.

Saturday Feb. 22, 1913, for Fencing meet with Pennsylvania.

Friday Mch. 14, 1913, for Annual Sibley Banquet.

14. *Resolved*, That when this committee adjourns, it be to meet on Friday, January 31st, at 8 p. m., at the President's office.

15. The matter of the installation of Fire Alarm bells in Cascadilla Building was referred to the Treasurer with power.

16. It was referred to the Treasurer and Trustee R. H. Treman, to investigate and report upon the subject of the uses of power by departments of the University.

17. Upon the recommendation of the Finance Committee, the Treasurer was authorized to sell the following securities standing in the name of Cornell University ; to execute necessary assignments and to affix thereto the corporate seal of the University :

\$5,000 St. Paul & Minn. & Manitoba (Mont. Ext.) 4%, due 1937.

\$5,000 St. Paul, Minn. & Manitoba, consolidated 6%, due 1933.

\$5,000 Dominion of Canada $3\frac{1}{2}\%$ stock.

\$10,000 Lake Champlain & St. Lawrence, 1st Mtge. 4% bonds.

18. *Resolved*, That the Acting President be authorized to execute on behalf of the University a bond in the penalty of \$30,000 satisfactory to the War Department, to secure the proper return of ordnance and ordnance stores, furnished the University by the United States Government.

19. *Resolved*, That Dr. Kerr and the Treasurer be authorized to have the air analyzed in several rooms in one building and to report to this committee the result obtained.

20. The resignation of W. Jett Lauck, who has been elected Acting Professor of Political Science for the 2nd term of the current year, was presented and accepted.

21. *Resolved*, That the title of S. P. Orth, which has been that of Acting Professor of Political Science for the 1st term of the current year, be continued during the second term, instead of the title of Lecturer on Politics to which he was appointed on the 13th inst., without change of salary.

22. *Resolved*, That the title of H. M. Sheffer be changed from Lecturer on Modern Logic and Mathematics, as he has been appointed for the 2nd term of the current year, to Lecturer on Mathematical Logic.

On motion adjourned,

CHAS. D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., January 31, 1913.

Present—Trustees Van Cleef, White, Williams, Cornell, R. H. Treman, Blood and Newman. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the Chair.

The minutes of the meeting of January 28th, 1913, were read and approved.

Action was taken as follows :

1. The Trustees of Cornell University desire to extend to Mr. Eugene Meyer and his wife Harriet Meyer their grateful thanks for the generous gift of the sum of ten thousand dollars, the income of which shall be used for a fellowship in memory of their son Edgar J. Meyer, who was graduated from the Sibley College of Mechanical Engineering in the Class of 1905. The Trustees also accept the suggestions accompanying the gift, viz., that the fellowship be known as the "Edgar J. Meyer Fellowship in Engineering Research"; be limited to any graduate of an accepted school of mechanical or electrical engineering; be not awarded to the same person more than two years; and be conferred under the general rules now existing in the case of other fellowships.

In accepting this generous and useful gift the Trustees desire to convey to Mr. and Mrs. Meyer their deep sympathy at the untimely death of one whose memory will always be cherished by his instructors and friends, and whose influence will now be beneficently continued by this generous foundation.

2. On the recommendation of the Acting President, leave of absence for the second term of the present academic year, without salary, was granted to Instructor C. H. Tower.

3. Mr. C. G. Brown was appointed Instructor in Sibley College for the second term of the present academic year (vice Instructor Tower) with salary of \$400 for the term.

4. The matter of a student assistant to Professor Ries, was referred to the President and Treasurer with power.

5. A committee consisting of the Acting President, Trustee Cornell, the Assistant Treasurer, was appointed to consider and report on the matter of free tuition, for student assistants and employees below the rank of Instructor.

6. *Resolved*, That upon payment of same, that Acting President T. F. Crane, Treasurer E. L. Williams, be authorized on behalf of Cornell University to release and discharge a certain mortgage given by the Bee Building Company, and recorded in the records of Douglass Co., Nebraska, in book 302, page 247; and they are hereby authorized to execute any papers necessary to such release or discharge, and to affix thereto the corporate seal of the University.

7. The Treasurer presented a report of Professor H. N. Ogden, upon his inspection of the Fall Creek water shed, and outlining certain unsanitary places upon same; and describing the result of the operation of the University purification plant. His report ended with the following;

"In view of the preceding I believe that the object sought by the University, viz: to deliver to the Campus a water of unquestionable purity are being attained under the present arrangement, and that any expenditure for the purpose of remedying the present occasional sources of pollution on the water shed will be of little value and add nothing to the purity of the water."

Resolved, That the thanks of the Trustees be forwarded to Professor Ogden for his careful report, and that the Treasurer be requested to forward the report to the State Department of Health.

8. The following was presented and on motion approved and the recommendations adopted, and the appropriations made as therein recommended.

CORNELL UNIVERSITY MEDICAL COLLEGE COUNCIL.

MEETING, DECEMBER 21ST, 1912.

Present—Acting President Crane, Mr. Westinghouse, Mr. Ickelheimer, Mr. Place, Doctors Polk, Stimson and Thompson.

A letter from the Secretary of the Board of Trustees advising of the approval of all the recommendations of the Medical College Council, October 19th, 1912, was presented and placed on file.

Moved and carried that the Medical College Council make recommendations to the Board of Trustees as follows :

1. That the report of the Committee on repairs to and future disposition of the Medical College property in East 26th Street, appointed at the last meeting, be accepted and in general the recommendations be approved ; that the Committee be requested to consider the question of selling or leasing or making such disposition of the property as may seem best for the interests of the Medical College.

2. That Doctor Nellis B. Foster be appointed an Instructor in Clinical Medicine.

3. That Doctor Charles Clifford Barrows be appointed Assistant Professor of Gynecology.

4. That the action of the Dean in nominating Doctor Charles L. Gibson for the position of Attending Surgeon to the New York Hospital be approved.

5. That the arrangement between the New York Hospital and the Cornell University Medical College as set forth in the correspondence between the hospital authorities and Doctor Stimson be approved and that the appreciation of the University be expressed to Mr. George F. Baker and Doctor Stimson for their share in making this arrangement.

6. That the Council express its appreciation of the generous gift of Mr. Charles L. Sheldon for an annual fellowship in Medicine to be used in connection with the New York Hospital.

7. That Doctor Ewing be allowed to spend such portion of his time at the General Memorial Hospital in the interests of cancer research as may be approved by the Dean.

8. That an appropriation of \$50 be made for special work in Physiology.

9. That the question of Insurance on the Medical College property be referred to the Dean and the Treasurer with power.

10. That an appropriation of \$75.00 be made for the Department of Orthopedic Surgery, subject to the approval of the Dean.

11. That the tuition of Mr. F. C. Gephart be remitted in view of the work he is doing in Bellevue Hospital in connection with the Russell Sage Institute of Pathology as part of the College work.

12. That the question of the connection of members of this faculty with the faculty of other Medical Colleges be referred to Doctor Stimson and Doctor Polk to report at the next meeting.

13. That Doctor Max Einhorn be appointed to give three lectures on Gastro-Intestinal Disease, in the Spring term.

Reports for October and November of the Social Service nurse provided by the New York Association for Improving the Condition of the Poor were presented and placed on file.

The meeting then adjourned.

J. THORN WILLSON,
Secretary of the Council.

NOTE. The arrangement between the New York Hospital and the Cornell University Medical Collège mentioned in section 5 of the above Medical College minutes, is outlined in the following letters :

277 LEXINGTON AVE.,

NEW YORK, November 1, 1912.

The Governors of the New York Hospital,
Gentlemen :—

The sum of \$250,000 has been placed at my disposal for the purpose of affecting an affiliation between the New York Hospital and Cornell Medical College, with the object of promoting medical research, aiding the care of patients in the hospital, and furthering the education of the students in the college.

It is believed that by bringing to the study of the cases in the Hospital the aid of the facilities provided by the fully organized and equipped college laboratories more accurate knowledge of the diseases can be gained and better treatment can be given to the individual patients ; and the opportunities for the study of disease can be utilized by bringing to the aid of the Attending Staff the equipment and the specialized knowledge and training of the College Staff in the Departments of Physiology, Pathology and Chemistry.

The training of the students can be aided by their admission to the wards for observation of the patients under the direction of the Staff.

I am authorized to offer the above named sum to the Hospital for its sole use and control, in any manner or for any purpose the Governors see fit.

The College to have the right to nominate the attending physicians and surgeons and the associate physicians and surgeons to the extent of one-half of each class, and to make all professional nominations connected with the Pathological Department of the Hospital, but such nominees to be appointed only by and with the approval of the Governors of the Hospital.

It is understood that the arrangement is not to include Bloomingdale, nor, for the present, the surgical service of the House of Relief.

The arrangement is to impose no obligation upon the Hospital to meet any additional expenses necessitated thereby.

It is understood that the arrangement is to be terminable by the Hospital as of the first of July in any year upon one year's notice in

writing to the College, and, if such termination takes place within five years, the return to the donor of the sum of \$250,000.

Respectfully yours,

L. A. STIMSON.

THE SOCIETY OF THE NEW YORK HOSPITAL.

Incorporated 1771

NEW YORK, Nov. 11, 1912.

Maintains—

New York Hospital, 6 to 16 West 16th & 7 to 23 West 15th Sts.

House of Relief, Hudson & Jay Sts.

Bloomingdale Hospital for Mental Diseases, White Plains, New York.

Convalescent Cottages, White Plains, New York.

LEWIS A. STIMSON, M.D.,

277 Lexington Ave., New York.

DEAR SIR :—

I beg to advise you that at a meeting of the Board of Governors of this Hospital, held the 6th instant, your letter of November 1st, modifying in certain respects your letter of September 1st, 1912, was read ; and that after full discussion, the Board voted to accept the proposition therein contained, upon the terms and conditions specified.

The adjustment of the details of the service will require further consideration and will be disposed of, I hope, at the next meeting of the Governors.

Very respectfully yours,

G. L. RIVES,

President.

9. The following was presented and on motion approved and the recommendations adopted and appropriations made as therein recommended.

CORNELL UNIVERSITY MEDICAL COLLEGE COUNCIL.

MEETING, January 18th, 1913.

Present—Acting President Crane, Mr. Place, Mr. Ickelheimer, Doctor Polk and Doctor Thompson.

The minutes of the Council Meeting of December 21st, 1913, were read and approved.

The Dean presented a schedule of special appropriations needed to carry on the work now being done in the New York and Bellevue Hospitals, whereupon it was resolved that the schedule as presented by the Dean be approved, and that special appropriations be made as follows :

| | | |
|--------------------------------------|-----------------|---------------------|
| One Assistant to Doctor L. A. Conner | -----\$1,000 00 | } N. Y. Hospital |
| One Assistant to Doctor L. A. Conner | -----250 00 | |
| Doctor Ralph D. Stillman | -----300 00 | |

| | | |
|-------------------------------|--------|------------------------|
| Doctor Alexander Lambert..... | 100 00 | } Bellevue Hospital |
| Doctor Albert C. Crehore..... | 500 00 | |
| For operating gowns..... | 30 00 | |

That the Medical College Council make recommendations to the Board of Trustees as follows :

1. That Doctor Harold E. Santee be appointed as Assistant in Operative Surgery at a salary of \$50.00.
2. That an additional appropriation of \$500 be made for running expenses for the Department of Anatomy.

The meeting then adjourned.

J. THORN WILLSON,
Sec'y of the Council.

10. WHEREAS, It is hoped that Prudence Risley Hall will be completed and ready for occupancy at the beginning of the next University year, and it is desirable that a plan of its organization and management in conjunction with Sage College be adopted as soon as practicable, therefore, be it

Resolved, That a committee of five of which Ex. President White shall be the chairman, be appointed by the chairman to consider and recommend a plan of organization and management for both Prudence Risley Hall and Sage College, and that said committee report its recommendation to the Executive Committee as soon as possible.

The Chair appointed as such committee, Trustees, White, R. H. Treman, Newman, Moody and the Treasurer.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't. Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., February 4th, 1913.

Present—Trustees Van Cleef, Williams, Cornell, Blood, R. H. Treman and White. Acting President Crane. Secretary Williams.

The minutes of the meeting of January 31st, 1913, were read and approved.

Action was taken as follows :

1. Upon the recommendation of the special committee, Mr. A. W. Fuchs, was appointed Student Assistant in Economic Geology for the second term of the current academic year at a salary of \$100 without free tuition vice G. W. Ramsey, resigned.
2. A request from Assistant Professor Fluegel of the reconsideration of the action of the committee in asking for his resignation was presented and denied.

3. The petition of Wilson B. Prophet, that if properly recommended by the Faculty, he be awarded the degree of Bachelor of Science in Agriculture instead of Bachelor of Science, as he had already entered the University for this degree when the change was made, and already held the degree of Bachelor of Science, was granted.

4. The Acting President presented a communication from Mr. L. O. Howard suggesting that arrangements be made for a lecture on Cornell before the Friend's Preparatory School in Washington, and the President was requested to advise Mr. Howard that the Executive Committee would appreciate it if he could see his way clear to present the lecture along the lines suggested, and the matter of slides to illustrate same was referred to the President with power.

5. The Acting President, Trustees Van Cleef and Newman and the Treasurer, were appointed a committee to confer with the Deans and representatives of the several colleges, with reference to instituting necessary economies as instructed by the Full Board.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., February 11, 1913.

Present—Trustees Van Cleef, White, Williams, Cornell and R. H. Treman. Acting President Crane and Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of February 4th, 1913, were read and approved.

Action was taken as follows :

1. The special committee on the administration of Sage College and Prudence Risley Hall presented the following report which was approved and adopted :

ITHACA, N. Y., February 4, 1913.

At an informal conference with regard to matters connected with Sage College and Prudence Risley Hall, held at Ex-President White's residence on Monday, the 3rd inst., there were present :

Ex-President White, R. H. Treman, Treasurer Williams and Mrs. Gertrude S. Martin, Adviser of Women.

It was recommended that the Adviser of Women and the Treasurer prepare a list with general description, of furniture and fittings for the standard Dormitory rooms for Prudence Risley Hall, to be submitted to the full Committee on Sage College matters later.

It was voted to recommend that Architect Miller be called into consultation with the Adviser of Women and Treasurer in preparation of the list of furniture and fittings for the public rooms and the guest rooms for Prudence Risley Hall, same to be submitted to the full Committee on Sage College matters later.

It was recommended that there be a House Mistress or Social Director at Sage College and at Prudence Risley Hall, both of equal rank and both being responsible to the Adviser of Women ; that these officers be appointed for the Academic year—appointments for the Summer Session being made separately upon the recommendation of

the Director of the summer Session ; that the salary of these officers be \$800 and home, and \$100 extra for Summer Session if appointed upon the recommendation of the Director of the Summer Session ; that these officers be expected to be on duty when the buildings are occupied by students as directed by the Adviser of Women.

Voted that the Adviser of Women be requested, after an investigation as to charges for room rent in other similar institutions, to present to the Committee a revised list of rentals for Sage College, making such increases as seem to her wise, and also to present for consideration a list of rentals for the rooms in Prudence Risley Hall.

It was voted as the sense of the meeting that the Boarding Departments of Sage College and Prudence Risley Hall be under one management and administered as one unit.

It was recommended that the sum of \$300 be appropriated to be administered by the Adviser of Women for social purposes in Sage College and Prudence Risley Hall.

E. L. WILLIAMS, Secretary.

2. Upon the nomination of Mrs. Martin, Adviser of Women and pursuant to the provision of the foregoing report, Mrs. E. H. Barbour was appointed House Mistress and Social Director of Sage College for the college year 1913-14 and Miss Gertrude Nye was appointed House Mistress and Social Director of Prudence Risley Hall for such part of the college year 1913-14 as her services may be needed, the appointment to take effect when Prudence Risley Hall is put into use, each with a salary at the rate of \$800 and home for the college year and both appointees to be under the direction of and responsible to the Adviser of Women.

3. The Acting President reported that he had received the resignation of Assistant Professor E. J. Fleugel to take effect June 18th, 1913, and on motion same was accepted.

4. The resignation of Miss L. Crawford as assistant in the publication office, to take effect Feb. 1, 1913, was received and accepted and Secretary Dugan was authorized to employ Miss Laura Cook for the balance of the University year at a salary at not less than \$40 a month nor more than \$50.

5. On the nomination of the Acting President, Ernest E. Weibel was appointed Assistant in Physics for the second term of the current year (vice M. M. Goldberg, Instructor, resigned) with salary at the rate of \$400 per annum.

6. It appearing that the registration of the department of Zoology for the first term considerably exceeded that of the first term last year, it was resolved that \$250 be added to the appropriation for the department of Zoology for the current year to meet necessary expenses.

7. *Resolved*, That an invitation be extended to the local section of the New York State Modern Language Association to be the guests of the University at luncheon at their meeting at Ithaca. The details were referred to the Acting President with power.

8. Changes in the staff of the Summer Session for 1913 were made as follows :

Merritt J. Davis, \$105 instead of \$75.

G. J. Fink, \$75 instead of \$100.

E. N. Burrows, \$250 instead of \$200.

C. F. Craig, \$200, vice Silverman, resigned.

9. It appearing that sophomores in the College of Civil Engineering on account of the summer survey camp, will be unable to register in the Summer Session before Monday, July 21, 1913, it was resolved that they be permitted to enter at that time and take only Mechanics, taking two-thirds of the full work of the Summer Session in that subject and that one-third of the tuition or \$10 be rebated to them

10. A communication was received from the Superintendent of Schools of Ithaca, thanking the University for the use of University buildings for term examinations in June, 1912, and January, 1913.

On motion adjourned.

CHARLES D. BOSTWICK, Ass't Secy.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., February 15, 1913.

Present—Trustees Van Cleef, White, Blood and R. H. Treman, Acting President Crane, Secretary Williams.

Action was taken as follows :

1. The Acting President announced the death of Trustee Stewart L. Woodford, and remarks were made by Trustee White upon General Woodford's services to the University.

2. At the request of Mrs. Woodford, that the University designate someone to act as pall-bearer at Mr. Woodford's funeral, Acting President Crane was requested to so act, and the Trustees residing in and near New York City were requested to attend the funeral as representatives of the University.

3. The Acting President and Trustee White were appointed a committee to draw suitable resolutions upon the death of General Woodford and present same to the next meeting of the Executive Committee.

4. Notice was received that the Executive Committee of the New York State Grange have reappointed Mr. William F. Pratt as Trustee of the University.

5. On the recommendation of Dean Polk the salary of Dr. Ralph D. Stillman was reduced from the rate of \$300 a year to the rate of \$250 a year.

6. Assistants J. J. Kennedy and P. A. vander Meulen in the Department of Chemistry, having completed their undergraduate work, their salaries were increased to the rate of \$400 per year, for the second term.

7. The resignation of Mr. George C. Smith, Instructor in Economics, to take effect February 15th, was received and accepted.

8. The matter of having the lecture of Professor Mercks, the Schiff Lecturer for the present term, translated and printed, was referred to the Acting President to investigate and report.

9. A request from Chairman Boldt, of the Committee on Residential Halls, for the matter for a short circular, was referred to the Acting President, and Trustee R. H. Treman and the Treasurer, with power.

10. A letter was presented from the President of the Cornell Women's Club of New York, in regard to the administration of Prudence Risley Hall, and the Secretary was instructed to supplement the answer already sent with a statement of Miss Nye's qualifications.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Secy.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., February 25, 1913.

Present—Trustees Van Cleef, White, Williams and Cornell. Acting President Crane, Secretary Williams.

Trustee C. E. Treman was excused on account of absence from the city.

Trustees R. H. Treman and Blood were excused from attendance for the next few meetings on account of continued absence from the city.

Minutes of the meetings of February 11, 1913, and February 15, 1913, were read and approved.

Action was taken as follows :

1. Trustee White reported that he recommended the American Hymnal, edited by W. J. Dawson, and published by the Century Co.,

for use in Sage Chapel, and the matter of purchase of same was referred to the treasurer with power.

2. On the nomination of Acting President Crane, John B. Wood was appointed Assistant in Physics for the second term of the current year, with salary at the rate of \$400 per year, without free tuition, to help care in Course 10.

3. The department of Mathematics was authorized to employ Dr. S. E. Brasefield, Honorary Fellow, at a compensation of \$20 a week, during the illness of Professor J. I. Hutchinson.

4. The resignation of C. L. Slocum, Assistant in the Department of Military Science and Tactics, was presented and accepted, and to fill the vacancy thus created for the second term of the present year, Isadore Jacob Elkind was appointed Assistant in that Department, with salary at the rate of \$100 a year and free tuition.

5. The following rules recommended by the University Faculty, governing the award of the Fuertes Memorial Prize in Public Speaking, were approved :

Rules Governing the Competition.

(1) The competition is open to Seniors and Juniors in the Colleges of Engineering and Architecture.

(2) The competition will be held on the evening of the third Friday in April.

(3) Candidates are required to submit and read, before a duly appointed Committee, a letter of not more than 400 words giving an outline of their proposed argument and the purpose of their address on Monday of the same week as the competition. Not more than eight competitors will then be selected for the final competition, the choice being based on the character and force of the letters submitted.

(4) The speeches delivered in the competition shall be original in character. Any subject may be chosen by the individual competitor that may seem to him to be best suited to furnish an opportunity for persuasive argument. Questions relating to his profession that would naturally come before semi-technical or non-technical commissions, boards of directors, and conventions, are of peculiar fitness. In making the award, both the character of the argument and the manner of presentation will be considered.

(5) The delivery shall be without notes but may be fortified by suitable illustrations such as diagrams, plans, models or lantern slides. Each speech shall be limited to 15 minutes.

(6) The prizes shall be awarded by a Committee consisting of five members, one selected by each college concerned, one selected by the Department of Oratory and one selected by the President of the University from the Board of Public Works, bankers or other men prominent in business in the city of Ithaca.

(7) Any student who has already received the first prize shall not be eligible for subsequent competitions.

6. The Acting President was authorized to confer degrees as of February 5, 1913, upon the recommendation of the several faculties.

7. The action of the University Faculty in delegating "to the Committee on University Undergraduate Scholarships, the power to cancel scholarships after the holder has been given an opportunity to explain his unsatisfactory record," was approved.

8. At the suggestion of the donors, the name of the Fellowship recently established in Sibley College was changed to read, "Edgar J. Meyer Memorial Fellowship in Engineering Research."

9. The President was authorized to have published 500 copies of the "Founder's Day Address, by Professor James Morgan Hart," the cost of same to be charged against the income of the Goldwin Smith Special or Lectureship Fund.

10. A request from the Infirmary Committee, that after the completion of Prudence Risley Hall, the first floor of the Sage College Cottage be assigned for the work of the University Medical Examiners and Advisers for Men Students, was received and referred to the Treasurer to consider and report upon the use of this building when vacated as a Women's Dormitory.

11. A communication from Lieut. Bull in regard to changes in the indoor rifle range in the gymnasium, was referred to the Treasurer with power.

12. A communication was presented from the Secretary of the Navy, at Washington, in regard to a plan for giving college and technical students a limited course of technical training on board Naval vessels during the summer vacation months, and the communication was referred to the University Faculty with the information that the general plan met the approval of the Trustees.

13. An application from the class of 1888 to rent the Sage College Cottage at the time of their reunion in June, was referred to the Treasurer with power.

14. The matter of securing the services of Professor Ogden in connection with repairs to the University Reservoir, and the correction of certain objectionable features in the Fall Creek Water Shed, was referred to the Treasurer with power, and an appropriation not exceeding \$100 was made for that purpose.

15. The use of the Armory for the wrestling Intercollegiates on the evening of March 21st, and the afternoon of March 22nd, was granted on the usual terms and conditions.

On motion adjourned,

CHAS. D. BOSTWICK, Ass't Secy.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

MARCH 11, 1913.

Present—Trustees VanCleaf, C. E. Treman, Cornell and Williams.
Acting President Crane.

Trustee Newman was excused on account of absence from the city.
Chairman VanCleaf in the chair.

Minutes of the meeting of February 25, 1913, were read and approved.

Action was taken as follows :

1. Owing to the circumstances of the case, the action at the last meeting in appointing John B. Wood to be assistant in Physics for the second term of the current year, was amended to read with salary at the rate of \$400.00 per year and free tuition.

2. On the recommendation of the Dean of the faculty of Law, Mr. James White Parsons was appointed lecturer on Bankruptcy for the present year at the compensation of \$100.00 ; the lectures to be not less than six nor more than ten in number as may be arranged by the Dean.

3. There was read a communication from Lieutenant Bull in regard to the inadequacy of the facilities for military training existing at the present time.

4. The special committee appointed to draft a resolution upon the death of former Trustee Woodford, presented the following which was unanimously adopted :

The Trustees of Cornell University desire to place upon their records this tribute of grateful appreciation of the services of Stewart Lyndon Woodford, a trustee of the University for forty-six years.

Mr. Woodford became a trustee of Cornell by virtue of his office as lieutenant governor of the state in 1867, a year before the opening of the University and the second year of its corporate existence.

On the expiration of his term he served as a member elected by the Board of Trustees from 1869 to 1877. He was then elected by the Alumni of the University as their representative from 1877 to 1882. From the last named date until his death on February 14, 1913, in New York City, he was regularly re-elected by the Board.

His first public service to the University was in October of 1868,

when the formal opening of the new institution took place. Mr. Woodford had already achieved an honorable reputation as a brave soldier in the civil war, an able lawyer and a growing statesman, and his enthusiastic adherence to the cause of the University at a time when it was an object of suspicion and hostility, was of the greatest benefit to the University.

The interest he then manifested was continued throughout his life and took a concrete form in the establishment of the prize for writing and speaking, which will perpetuate his name in the academic annals of the University.

This is not the proper place to dwell upon his services to the state and country during the forty-six years of his trusteeship of Cornell, but the honorable reputation which grew from year to year was a source of strength to the Board of Trustees and his knowledge of men and affairs was useful in administrative crises.

He was most punctilious in the discharge of his duties and as long as health and presence in the country permitted he was active in the councils of the University.

His loss from the membership of the Board will be deplored not only for his administrative and legal wisdom, but also for his singularly amiable and engaging disposition. His death removes another of the few who were closely connected with Mr. Ezra Cornell in the inception and early development of the University and leaves a gap in the Board which cannot be filled.

The Trustees desire this expression of their respect and sorrow to be entered upon their minutes and communicated to the family of their colleague of many years.

5. A communication was presented from Mr. Frank S. Porter, '00, suggesting the name of Judge Cuthbert W. Pound of Lockport, N. Y., for the vacancy on the Board caused by the death of General Woodford.

6. The matter of the selection of a delegate or delegates to the 4th International Congress on School Hygiene, to be held at Buffalo, N. Y., August 25 to 30, 1913, was referred to the Acting President with power.

7. An application from the Dairy Department of the College of Agriculture for permission to erect a loading platform for milk cans near the Heating Plant, was referred to the Assistant Treasurer to investigate and report.

8. The Treasurer was authorized to remit tuition charge for the present term of Mr. Floyd E. Brewster, who left the University on March 5th on account of ill health; also tuition for the current term of Mr. C. E. Stewart who was obliged to withdraw on account of lack of funds.

9. The Treasurer was authorized, upon tender of tuition and fees, to reinstate students dropped for non-payment of same.

10. The use of the Armory on the evening of March 28th, 1913, for the Annual Smoker of the Junior Class was granted on the usual terms and conditions.

11. A proposed amendment to the University Charter, providing that the annual Alumni meeting may be held on the day of the seven preceding Commencement, designated by the Directors of the Associate Alumni, was approved.

12. The following was presented, on motion approved, and the recommendations therein contained adopted.

CORNELL UNIVERSITY MEDICAL COLLEGE COUNCIL.

Meeting, February 22nd, 1913.

Present—Acting President Crane, Mr. Place, Mr. Westinghouse, Mr. Ickelheimer and Doctor Thompson.

A letter from the Secretary of the Board of Trustees advising of the approval of all the recommendations of the Council of December 21st, 1912, and January 18th, 1913, was presented and placed on file.

Moved and carried that the Medical College Council make recommendations to the Board of Trustees as follows :

1. That the salary of Doctor Nellis B. Foster, who was appointed Instructor in Clinical Medicine at the New York Hospital at \$1,000, be changed to \$800 ; \$400 to be paid for the year ending July 31st, 1913.

2. That the position of a Chemical Assistant to Doctor Nellis B. Foster be created at a salary of \$600 a year ; \$300 to be paid for the year ending July 31st, 1913.

3. That, on account of additional work, the salary of Doctor J. C. Roper be increased from \$250 to \$350.

4. That one half of the tuition fees, amounting to \$75 each, be paid by R. W. Scofield and M. E. Serling, first year students who were obliged to withdraw from College on account of financial reasons, be refunded.

5. That the plan presented by the Managing Clerk for a change in the system of charges for medicine be approved and that a minimum charge of ten cents be made on all prescriptions.

6. That of the unexpended balance of the appropriation for running expenses of the Department of General Medicine the sum of \$100 be used for the publication of certain pamphlets desired by Doctor Thompson.

There being no further business the meeting adjourned.

J. THORNE WILLSON,
Secretary of the Council.

On motion adjourned.

C. D. BOSTWICK,
Assistant Treasurer.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., March 18, 1913.

Present—Trustees Van Cleef, Williams, Cornell and C. E. Treman.
Acting President Crane.

Chairman Van Cleef in the chair.

The minutes of the meeting of March 11, 1913, were read and approved.

Action was taken as follows :

1. A special meeting of the Board of Trustees was called for Saturday, May 3rd, 1913, at the President's office, Morrill Hall, at 9 A. M.
2. The Committee on Appropriations was requested to report upon the proposed budget for 1913-14, at or before the above meeting.
3. \$700 or so much thereof as may be needed was appropriated for a course upon Citizenship in the year 1913-14 in the department of History and Political Science.

4. The resignation of Instructor J. F. Stevens in Sibley College, to take effect March 29, 1913, was received and accepted.

5. Upon the recommendation of the Acting President, Dr. Wilhelm Grosse, Oberlehrer in the Oberrealschule Eimsbüttel at Hamburg-Eimsbüttel, was appointed Acting Assistant Professor of German for the College year 1913-14, at a salary of \$1,500.

6. The Assistant Treasurer was authorized to lease a portion of the Creek bottom purchased in connection with the proposed Fall Creek Storage Dam, to Mr. Eugene Preswick for a period of two years in consideration of his erecting a good and satisfactory line fence upon the south side of said premises.

7. The Treasurer was authorized to deposit with Mr. Earl J. Bennett of Rockville Centre, N. Y., for collection, the Kuhn Bond and Mortgage, given by Mr. Bennett to the University as part of the Bennett Book Fund.

8. Upon the recommendation of the Board of Directors of the Associate Alumni of Cornell University, the appointment of a committee of three by the President of the Association, to prepare the biographical sketches of candidates for Alumni Trustee, for the 1913 election, was approved.

9. It appearing that Mr. John J. Kelly, who upon registering in the College of Arts, for the first term of the current year, paid to the University \$100 for the time he had been registered in the College of Agriculture, and who has been dropped from the College of Arts and Sciences for unsatisfactory work, although showing excellent conduct and exemplary diligence, it was resolved that the back tuition required as a condition precedent to his registration in arts be refunded,

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., April 1, 1913.

Present—Trustees Van Cleef, Williams, Newman, Cornell, C. E. Treman, Blood and R. H. Treman. Acting President Crane.

Chairman Van Cleef in the chair.

Minutes of the meeting of March 18, 1913, were read and approved.

Action was taken as follows :

1. The following was received, ordered printed in the minutes, and the proposed resolution recommended to the Full Board for adoption :

Your Committee to whom was referred, for investigation and recommendation, the resolution relating to the question of "free tuition to assistants and employees of the University under the grade of Instructor," finding in its inquiry into the subject that a comprehensive understanding of the entire question of free tuition of this character, no matter what the grade of the beneficiary, was necessary to arrive at a satisfactory conclusion, have therefore taken the whole problem consideration, and beg leave to report as follows :

We have prepared from the Treasurer's Report, the records of the Registrar's office and other sources, tables covering the various phases of the subject, and have compiled therefrom the following :

Summary.

| | |
|--|-----|
| Total number of Instructors and Assistants, receiving \$400 and upwards..... | 282 |
| Of this number there are receiving free tuition..... | 168 |
| Deducting therefrom those that are registered in State Colleges and residing within the State and probably entitled to free tuition..... | 32 |
| | 136 |
| In addition think 38 Military Assistants..... | 38 |
| Making the total number registered in tuition paying courses..... | 174 |

They are distributed as follows :

| | |
|---------------------------|-----------|
| Graduate Department | 106 |
| Arts | 14 |
| Law | 6 |
| C. E. | 4 |
| M. E. | 3 |
| Architecture | 1 |
| Agriculture (pay student) | 2 |
| | <hr/> 136 |
| Military (undergraduate) | 38 |
| | <hr/> 174 |

Of the Military Assistants, 12 receive in addition to free tuition \$100, a total of \$1,200.

Examination reveals the fact that there are some in practically every grade, up to and including \$1,500 a year, who are receiving free tuition ; the percentage in some grades running as high as 100. The largest numerically being in grades :

| | | | | |
|-------|----|-----------|------|----------|
| \$400 | 36 | receiving | free | tuition. |
| 500 | 13 | " | " | " |
| 800 | 10 | " | " | " |
| 1,000 | 35 | " | " | " |

The total amount of money represented by these free tuition privileges and commutations, is in round numbers \$18,600, while in addition thereto the University pays in salaries to those receiving these benefits approximately \$77,400.

Inquiry develops the fact that in some instances at least these free tuitions are granted to those amply able to pay for what they receive, and that the services rendered by them are fully and generously covered by the cash salaries paid for same by the University.

From the granting of free tuition, to those asking for it, as a presumable right, and the frequent requests for the commutation of free tuition into cash to those already entitled to free tuition from more than one source, often arise perplexing questions, and the point might, even with some justice, be made, if we are granting free tuition to some in any certain grade, why is it not right to grant the equivalent in cash to those not desiring to avail themselves of the free tuition privilege? Owing therefore to the complications arising under the present conditions, and in view of the financial aspect of the case, your committee is of the opinion that there should be no question of free tuition as between the University and any of its employees or instructing staff as such, that proper compensation should be paid for services rendered, and that the regular fees for tuition should be paid by those receiving the same, irrespective of their connection with the University.

The object to be gained by granting free tuition as part compensation for services rendered should be primarily to encourage advanced work in the course in which the recipient is engaged, and to make the teacher more efficient in that particular branch. Your committee therefore do not look with favor upon the granting of free tuition for graduate work in promiscuous directions, nor do we believe that any one who may have received appointment to the instructing staff should thereby be released from paying tuition for undergraduate work. Your committee are also opposed to commuting free tuition into cash for any reason. As to Military Assistants due consideration being given to the time consumed in performing the duties required, and the military honors and advantages occurring to the appointees; the scale of salaries suggested hereinafter is considered a fair equivalent for the services rendered, and furthermore it has the approval of Lieut. Bull.

Your committee therefore recommend the following :

Resolved, First. That the present statutes exempting from payment of tuition members of the instructing staff be repealed.

Second. That the present statute providing for the commutation of free tuition in cash to members of the cadet corps be repealed.

Third. That Instructors and Assistants registered in the Graduate School shall be exempt from payment of tuition for graduate work taken in the colleges in which they are instructing.

Fourth. That the salaries of the Military Staff be as follows, and without free tuition :

| | |
|----------------------------|-------------|
| 1 Colonel..... | \$250 00 |
| 3 Majors..... | 225 00 each |
| 10 Captains..... | 200 00 each |
| 10 First Lieutenants..... | 125 00 each |
| 12 Second Lieutenants..... | 100 00 each |
| 2 Chief Musicians..... | 50 00 each |

Fifth. That the foregoing resolutions take effect July 1, 1913.

2. *Resolved*, That a special meeting of this committee be held on Tuesday next at 7:30 P. M. in the President's office, to consider the report of the sub-committee upon the result of their conference with Deans and Heads of Departments in regard to possible economy in the University.

3. *Resolved*, That the Committee on Appropriations be empowered to call in such persons as it may deem best for information and counsel.

4. On the nomination of the Acting President the appointment of S. F. Orth as Professor of Political Science, at a salary of \$3,000 per annum, to date from August 1, 1913, was recommended to the Full Board.

5. On the nomination of the Acting President-Mr. W. A. Verwiebe was appointed Instructor in Geology for the second term of the current academic year, without salary.

6. The matter of arranging for Professor Harris's work in Geology so that he may be absent for a short period in the winter of 1913-14, was referred to the Acting President with power.

7. The resignation of Professor Gordon was received and accepted, and the secretary was instructed to inform Professor Comfort that the Trustees trusted that he could conduct the department without filling the vacancy, and that if it should be found necessary to fill the vacancy they hoped that it could be done with an instructor.

8. The Acting President reported that Assistant Professor J. S. Mason was unable to perform his duties on account of illness, that his work was being carried on by the other professors in the department of Romance Languages, and on motion leave of absence for the balance of the current academic year, or so much thereof as may be necessary, was granted to Professor Mason without prejudice to salary.

9. The Acting President reported that Mr. Arnold Haultain has forwarded to the University Library two boxes containing Goldwin Smith papers, letters, pamphlets, etc., and that the letter received with the boxes contained the following: "I should like to say that the contents of these boxes, together with the material to be sent you by the Librarian of the University of Toronto, I shall be glad to hand over to the University of Cornell, on the understanding that if at any time in the future any pecuniary profit should accrue from any use made of them, this shall after deduction of all expenses go to myself, my heirs and assigns."

It was resolved, that the sincere thanks of the Trustees be extended to Mr. Haultain for the papers of Mr. Goldwin Smith, and that they be accepted on the terms outlined by him, with the understanding that the conditions mentioned by him shall not extend beyond a term of twenty-five years.

10. *Resolved*, That in appreciation of the faithful services of Thomas Sheehan, as janitor of the Military Department for over thirty-seven years, his salary be increased \$5 per month to \$40 per month from this date.

11. The matter of a luncheon to be served the Trustees at the coming meeting of the Full Board, was referred to the Treasurer with power.

12. On the nomination of the Acting President, A. B. Norton, was appointed Assistant in the Department of Chemistry for the balance of the current academic year, with salary at the rate of \$300 per annum (vice H. C. Kenny, resigned). The change to take effect as of March 27th.

13. *Resolved*, That hereafter the regular meetings of the Executive Committee be held on Tuesday evenings from 7:30 to 10:30.

14. A proposal of settlement in the matter of the University's interest in the Ring estate, was referred to the Chairman of the Executive Committee and the Assistant Treasurer with power.

15. A recommendation from the Faculty Commencement Committee that the hour for commencement be changed from 10:30 A. M. to 11 A. M., was laid upon the table, until the next meeting of the Board.

16. Upon the recommendation of the University Faculty Committee on Commencement, authority was given for holding the graduating exercises in the amphitheatre west of McGraw; provision to be made for indoor exercises in case of unfavorable weather.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., April 8, 1913.

Present—Trustees VanCleaf, Treman, C. E., Newman, Williams, Blood and Treman, R. H. Acting President Crane.

Chairman VanCleaf in the chair.

The minutes of the meeting of April 1, 1913, were read and approved.

Action was taken as follows :

1. The President presented a communication from Director Bristol of the Summer Session, asking that the action of the Board in fixing the tuition fee in the Summer Session at \$40, be reconsidered, and that the fee be allowed to remain at \$30 as fixed for the present summer, and which sum he estimated would cover the cost of instruction, which latter was referred to the Full Board.

2. The Chairman of the Committee on Grounds reported that the matter of the advisability of further lowering East Avenue between the President's house and Lincoln Hall had been considered by the Committee on Grounds, and the Landscape Architect of the University. That in view of the fact that any material change from the present grade would necessitate the lowering of the gas, water and sewage mains, and a re-shaping of the terraces to the east, at an expense of from \$1,300 to \$1,500, that it was not considered advisable to make any further material changes in the grade.

3. The Acting President reported that he had arranged with Pro-

fessor G. D. Harris, a schedule of work so that Mr. Harris could be absent from the University from the Christmas vacation to the opening of the second term of the year 1913-14, the same as was done the present year.

4. The matter of material for the proposed pamphlet on Residential Halls, was referred to the Acting President and Trustee R. H. Treman with power.

5. *Resolved*, That Professor J. R. S. Sterrett be elected a delegate to represent the University at the inauguration of President Smith, of Washington and Lee University on May 7th, 1913.

6. The Treasurer reported the receipt of \$4,300 of the money subscribed toward a new organ and upon motion the following resolution was unanimously adopted :

The Trustees of Cornell University desire to convey to the Honorable Frederick C. Stevens, one of their colleagues, their sincere appreciation of his efforts in securing the contribution for an organ of the sum of money of which the amount of \$4,300 has today been received by the Treasurer. The occasion on which this money was subscribed, namely, the dinner given by Mr. George C. Boldt in honor of Mr. Andrew D. White, whose eightieth birthday had recently been celebrated by the whole country, was one long to be remembered in the annals of Cornell University, and the generous impulse of Mr. Stevens will perpetuate the memory of that occasion by a lasting and fitting memorial. The Trustees take pleasure in recording this expression of their thanks for Mr. Stevens's constant interest in the affairs of the University and for his hearty co-operation in all matters of administration.

7. The Treasurer and Trustee R. H. Treman were appointed a committee upon the Alumni or Commencement Luncheon, with power.

8. On the recommendation of the University Faculty Committee upon Commencement, the hour for the Commencement exercises was changed from 10:30 to 11 A. M.

9. The following tabulated list prepared by the Registrar showing the distribution of student hours of undergraduates, during the year 1912-13 was presented and ordered printed in the minutes.

(*Note.* The first term is made up of actual hours reported by the Professors concerned. The second term is made up of the registrations as they appear to date. It should be noted that in this table no action is taken of the work of graduate students as they are not reported by hours, nor does the table contain the subjects of drill and gymnasium).

| SUBJECTS | Arts | | Law | | Vetern'y | | Agriculture | | Architecture | | Civ. Eng. | | Mech. Eng. | | Medicine | | Total Undergrads. | | |
|------------------------|-------|-------|------|------|----------|------|-------------|-------|--------------|------|-----------|------|------------|-------|----------|--------|-------------------|--------|--------|
| | 1st | 2d | 1st | 2d | 1st | 2d | 1st | 2d | 1st | 2d | 1st | 2d | 1st | 2d | 1st | 2d | First | Second | Total |
| Semitics..... | 65 | 61 | | | | | | | | | | | | | | | 65 | 61 | 126 |
| Greek..... | 154 | 137 | | | | | | | | | | | | | | | 154 | 137 | 291 |
| Greek, Art, etc..... | 170 | 252 | | | | | | | | 6 | 6 | | | 3 | | | 188 | 279 | 467 |
| Latin..... | 403 | 347 | 10 | 8 | | | | 3 | | | | | | 5 | | | 415 | 363 | 778 |
| German..... | 1291 | 1212 | 34 | 3 | | | | 137 | 43 | | | | | 41 | 43 | | 1513 | 1312 | 2825 |
| Romance Languages..... | 1227 | 1250 | 65 | 21 | | | | 43 | 42 | 19 | 20 | 5 | | 39 | 18 | | 1398 | 1351 | 2749 |
| English..... | 2090 | 2067 | 244 | 193 | | | | 1620 | 1452 | 40 | 44 | 9 | 3 | 10 | 14 | | 4013 | 3773 | 7786 |
| Oratory..... | 271 | 317 | 139 | 102 | | | | 70 | 55 | 26 | 18 | 32 | 49 | 18 | 23 | | 556 | 564 | 1120 |
| Philosophy..... | 1244 | 987 | 73 | 38 | | | | 91 | 47 | 17 | | | | 10 | 12 | | 1435 | 1084 | 2519 |
| Education..... | 169 | 236 | | 2 | | | | 2 | | | | | | | | | 171 | 238 | 409 |
| History..... | 1005 | 1105 | 143 | 273 | | | | 8 | 14 | | | | 6 | | | | 1156 | 1400 | 2556 |
| Political Science..... | 1808 | 1754 | 417 | 310 | | | | 918 | 804 | 69 | | | | | 2 | | 4307 | 3861 | 8168 |
| Bibliography..... | 38 | 13 | | 2 | | | | 2 | | | | | | 699 | 663 | | 40 | 15 | 55 |
| Music..... | 126 | 120 | 10 | 6 | | | | 65 | 50 | 8 | 10 | 2 | | 19 | 14 | | 230 | 200 | 430 |
| Mathematics..... | 1015 | 952 | | | | | | 46 | 49 | 129 | 104 | 606 | 702 | 1198 | 1500 | | 2994 | 3307 | 6301 |
| Physics..... | 858 | 1193 | | 8 | | | | 1235 | 526 | 82 | 36 | 551 | 580 | 1624 | 1631 | | 4350 | 3974 | 8324 |
| Chemistry..... | 2378 | 2388 | 21 | | | | | 1885 | 1126 | | 9 | 474 | 588 | 1330 | 1096 | | 6298 | 5207 | 11505 |
| Botany..... | 59 | 77 | 3 | | | | | 69 | 60 | | | | | | | | 131 | 137 | 268 |
| Zoology..... | 191 | 39 | | | | | | 180 | 21 | | | | | | | | 371 | 60 | 431 |
| Geology..... | 338 | 424 | 6 | 3 | | | | 863 | 118 | 11 | 89 | 364 | 390 | 17 | 30 | | 1599 | 1054 | 2653 |
| Astronomy..... | 165 | 34 | 3 | 1 | | | | 3 | | 6 | | | | 3 | 1 | | 180 | 36 | 216 |
| Law..... | 15065 | 14965 | 1168 | 970 | 210 | | | 7251 | 4428 | 413 | 348 | 2449 | 2647 | 5008 | 5055 | | 31564 | 28413 | 59977 |
| Medicine..... | 329 | 255 | 3241 | 3110 | | | | | | | | | | | | | 3570 | 3365 | 6935 |
| Veterinary..... | 203 | 493 | | | 138 | 114 | | 15 | 718 | | | | | | 14 | [126]† | [147]† | 1339 | 1695 |
| Agriculture*..... | 34 | 32 | | | 1864 | 1928 | | 3 | 411 | | | | | | | | 1901 | 2371 | 4272 |
| Architecture..... | 572 | 641 | 2 | | 4 | 132 | | 11460 | 12323 | | | 2 | 9 | 14 | 3 | | 12047 | 13115 | 25162 |
| Civil Engineering..... | 22 | 24 | | 2 | | | | 60 | 64 | 1722 | 2020 | 5 | | | | | 1809 | 2110 | 3919 |
| Mechanical Eng..... | 27 | 44 | | | | | | 69 | 78 | 16 | 18 | 5593 | 7414 | 14 | 96 | | 5719 | 7650 | 13369 |
| | 628 | 358 | 3 | | | | | 85 | 78 | 2 | | 368 | 324 | 11122 | 11569 | | 12208 | 12329 | 24537 |
| Total..... | 16880 | 16812 | 4414 | 4082 | 2216 | 2174 | | 18943 | 18100 | 2153 | 2388 | 8424 | 10399 | 16144 | 16737 | [126]† | [147]† | 70692 | 139866 |

*Including Agricultural Chemistry and Entomology.

†Included under Arts because students are registered as Arts-Medicine.

GRADUATE STUDENTS, 1912-13.

ESTIMATED STUDENT HOURS.

The accompanying table refers to graduate students registered in the regular session only, and does not include students registered for graduate work in the Medical College in New York City.

[illegible]

The method of estimating student hours is as follows :

Candidates for Doctor's degree ; major, 8 hours ; each minor, 4 hours ; total, 16 hours.

Candidates for Master's degree ; major 10 hours ; minor, 5 hours ; total, 15 hours.

Non-candidates are credited in the table with the number of hours selected by each and approved by their advisers.

ERNEST MERRITT.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't. Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., April 15, 1913.

Present—Trustees Van Cleef, Williams, Treman, C. E., Newman, Blood and Treman, R. H. Acting President Crane.

Chairman Van Cleef in the chair.

The minutes of the meeting of April 8, 1913, were read and approved.

Action was taken as follows :

1. Leave of absence without salary for the second term of the academic year 1913-14 was granted to Professor W. F. Willcox, to enable him to complete some writing upon which he is engaged.

2. Leave of absence for the first term of the academic year 1913-14 was granted to Professor W. A. Hammond, under the statute governing sabbatic leave, and on condition that his work can be carried on to the satisfaction of the President without additional cost to the University.

3. The Acting President reported that Professor Woodruff of the College of Law, was obliged to cease teaching for a considerable time on account of illness, and he was granted a leave of absence for the balance of the current academic year without prejudice to salary, and the Acting President was requested to extend to him the sympathy of the trustees together with their appreciation of his faithful services to the University.

4. On the nomination of the Acting President, Charles Laidlaw Williams was appointed Acting Assistant Professor in the College of Law, for the balance of the current academic year, with salary of \$600 for the period, to carry a portion of the work of Professor Woodruff.

5. The special committee appointed to consider and report upon the installation of an additional unit in the University Power Plant, reported in favor of installing same at an estimated cost of \$18,000.00, in order to meet the additional power requirements of the University, and on motion the work was authorized and an appropriation of \$18,000.00 or so much thereof as may be necessary was made to cover the cost of same. The appropriation to be charged in three installments of \$6,000 each against the annual income beginning with the year 1913-14. The details of the installation were referred to the same committee with power.

6. *Resolved*, That Cascadilla Building be transferred upon the books of the Treasurer from the Real Estate Account to the Investment Account, and that the proposed changes in the building to convert it into a dormitory for men students, and furnish same, be authorized at a cost not exceeding \$50,000.00, to be charged against the building.

7. *Resolved*, That the June meeting of the Board of Trustees be called for Tuesday of Commencement week, at 9:30 a. m., and that the Trustees assemble at the President's office on Wednesday of Commencement week at 10 a. m. to attend the Commencement exercises.

8. The Treasurer was authorized to take a note of Mr. T. Odaira a Japanese student, to cover his graduation fee for an advanced degree which he will receive in June, 1913.

9. The Treasurer was authorized to refund one-half tuition for the current term to Austin M. Van Riper, who is withdrawing from the University after attending a few recitations after April 1st, in order to earn funds to complete his course.

10. The Treasurer was authorized on behalf of the University to sign a petition to the Board of Public Works, requesting the paving and curbing of Thurston Ave.

11. Whereas the University owns \$25,000 Kansas City Railway and Light Company Refunding 5% Bonds, due May 1, 1913, the principal of which bonds it has been found impossible to provide for owing to the incompleteness of negotiations with the city for renewal of franchises, although the interest has been reported earned and has been paid promptly; the Treasurer was authorized to deposit the bonds with a bondholder's protective committee consisting of John B. Dennis, Acosta Nichols, James J. Storrow and Paul M. Warburg.

12. The matter of fitting up the north attic room in Goldwin Smith Hall as a drafting room for the College of Civil Engineering, was referred to the Appropriations Committee with power.

13. The application of Arthur M. Shelton and Joseph A. Iglehardt, juniors in the University, for permission to use the north east room in the basement of White Hall as a shoe-shining room, was denied.

14. Upon the recommendation of the Treasurer the salary of Miss Newman, stenographer in Sibley College, was increased to \$42 per month to date from April 1st, 1913.

15. Trustees Blood and Newman and the Treasurer were appointed a committee to consider adjacent lands which may be needed by the University, and report.

16. The matter of a platform for unloading milk cans for the College of Agriculture, was referred to the Chairman of the Committee on Grounds and the Assistant Treasurer to report.

17. Memorandum of the expenses of the Guiteau estate for the months of December, 1912, and January, 1913, amounting to \$123.87, was presented and consent given to the payment of the same by the executors.

18. The following was presented and on motion approved, and the recommendations therein contained adopted, and appropriations made as recommended :

CORNELL UNIVERSITY MEDICAL COLLEGE COUNCIL.

Meeting, March 29th, 1913.

Present—Acting President Crane, Mr. Ickelheimer, Doctors Polk, Stimson and Thompson.

A letter from the Secretary of the Board of Trustees, advising of the approval of all the recommendations of the Medical College Council of February 22nd, 1913, was presented and placed on file.

Moved and carried that the Medical College Council make recommendations to the Board of Trustees as follows :

1. That resolution No. 6 of the minutes of February 22nd, 1913, be amended so as to read "That of the unexpended balances of the appropriation for running expenses of the Department of General Medicine, the sum of \$100 be used for the publication of certain pamphlets desired by Dr. Thompson for the Department of Medicine."

2. That the request of L. G. Hadjopoulos, second year student, for an extension of time to pay balance of tuition fee due for session of 1912-13 be granted.

3. That the request of Doctor James Ewing for an appropriation of \$178.00 for the purchase of additional photographic apparatus be granted.

4. That Doctor W. M. Baldwin, Instructor in Anatomy, be granted a leave of absence for the balance of the college year, and that the

balance of his salary for the current session amounting to \$600 be paid him.

5. That the sum of \$225 be appropriated to pay the salary of an extra nurse in the Surgical Division of the College in Bellevue Hospital, for the months of January, February and March, 1913.

6. That an additional appropriation of \$500 be made for the use of the Department of Anatomy.

7. That the schedule of special course fees as presented be approved as follows :

ANATOMY.

1. Embryology. Fee \$25 per term.
2. Histological Technic. Laboratory at least 3 hours daily and conference with instructors. Fee \$25.
- 3 and 4. General Histology, Microscopical Anatomy and Organology. Fee \$50, 2 terms.
5. Dissection. Fee \$25 per term ; or for the entire dissection, \$50.
6. Neuro-Anatomy and Neuro-Histology. Fee \$25 per term.

PHYSIOLOGY.

1. General Physiology. Fee \$50.

CHEMISTRY.

1. Advanced Physical and Physiological Chemistry. Fee \$25 per term.
2. Chemical Pathology. Fee \$25 per term.
3. Detection and Estimation of Poisons. Fee \$25 per term.

PHARMACOLOGY AND MATERIA MEDICA.

1. Laboratory Pharmacology. Fee \$25.
2. Advanced Pharmacy, Laboratory. Fee \$10.

APPLIED PHARMACOLOGY.

1. Diagnosis, Symptomatology and Treatment of Typhoid Fever. Fee \$25. Duration of course six weeks.

GENERAL THERAPEUTICS.

1. Case Study. Fee \$50. Duration of course 10 weeks.

MEDICINE.

1. General Medical Diagnosis. Fee \$25.
2. General Medical Diagnosis, Ambulatory Cases. Fee \$25 per term.

CLINICAL PATHOLOGY.

1. General Clinical Microscopy. Fee \$25 for 24 hours.
2. Clinical Chemistry. Fee \$25 for 24 hours.
3. Clinical Bacteriology. Fee \$50 for 48 hours.
4. Serum Diagnosis. Fee \$50 for 48 hours.
5. Exudates and Transudates. Fee \$25 for 24 hours.
6. Vaccine and Tubercular Diagnosis and Therapy. Fee \$50 for ten weeks.
7. Courses 3 and 6 combined. Fee \$75 for 72 hours.

SURGERY.

1. Operative Surgery on the Cadaver.

| | | | |
|--------|--------------|---------|-------|
| Course | 1 operation | ----- | \$ 10 |
| " | 5 operations | ----- | 20 |
| " | 10 | " ----- | 30 |
| " | 20 | " ----- | 40 |
| " | 40 | " ----- | 60 |
| " | 80 | " ----- | 90 |
| " | 100 | " ----- | 100 |

3. Operative Surgery. Undergraduate course. Fee \$25 for one term.

OBSTETRICS.

1. Manikin Instruction. Fee \$20 for ten lessons.

NEUROLOGY.

1. Neuro-Anatomy and Neuro- Histology. Fee \$25.
2. Neuro-Pathology. Fee \$25.
3. Clinical Neurology. Fee \$50.
4. Psychotherapeutics. Fee \$25.

DERMATOLOGY.

1. Clinical Dermatology. Fee \$25 for 18 hours.
2. Histopathology of the Skin. Fee \$25 each to class of three or more ; minimum fee for class \$75.

LARYNGOLOGY.

1. Clinical Laryngology. Fee \$25 for 15 hours.

OPHTHALMOLOGY.

1. Ophthalmoscopy. Fee \$25. 20 hours.
2. External Diseases of the Eye. Fee \$25. 20 hours.
3. Diseases of the Eye Muscles. Fee \$20. 15 hours.
4. Refraction and Retinoscopy. Fee \$25. 20 hours.
5. Simulation of Amblyopia and Amaurosis. Fee \$20. 5 hours.
6. Clinical Ophthalmology. Fee \$25 for the month.
7. Ophthalmic Operations on the Cadaver. Fee \$50. 20 hours.

HYGIENE.

1. Bacteriological Examination of Water, Milk and Air from a sanitary standpoint. Fee \$25.

2. Chemical Examination of Water, Milk and Air from a sanitary standpoint. Fee \$25 to \$50.

3. Investigation of Special Groups of Bacteria. Fee \$25 to \$50.

8. That the question of the relation of members of our Medical Faculty to other colleges be laid on the table.

9. That Mr. Ickelheimer's offer to obtain a valuation of the old Medical College property in East 26th street be accepted and that negotiations for its sale be conducted through the Board of Trustees.

The dispensary reports for the five months ending February 28th, 1913, were presented and placed on file.

The meeting then adjourned.

J. THORNE WILLSON,
Secretary of the Council.

19. The Treasurer was requested to have typewritten copies of the University statutes as compiled by the committee with changes to date, sent to members of the committee upon revision, and to members of the Executive Committee.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., April 22, 1913.

Present—Trustees Van Cleef, Treman, C. E., Williams, Newman, Treman, R. H., and Blood. Acting President Crane.

Chairman Van Cleef in the chair.

The minutes of the meeting of April 15th, 1913, were read and approved.

Action was taken as follows :

1. A request from Dr. Eugene Corson for permission to place in Sage Chapel a tablet to his father the late Professor Hiram Corson, was referred to the Committee on Tablets, consisting of Trustee White and the Acting President, with power.

2. President Crane reported that he had given Professor Brauner a leave of absence for two weeks, he having made satisfactory provision for work to be done during his absence.

3. A communication from the Junior Society Aleph Samach, in regard to a student committee on publicity, was referred to the President to investigate and report.

4. On the recommendation of Director Martin, it was resolved that an annual fee of \$10.00 be charged all students registered in the College of Architecture, to cover the cost of materials and supplies furnished, and of models for the Life Classes. This action to take effect at the beginning of the College year 1914-15.

5. The matter of fitting up the north basement room in White Hall for temporary use of the College of Architecture, was referred to the Treasurer and Director Martin to investigate and obtain estimates of the cost.

6. A communication from the War Department in regard to a summer camp under the auspices of the United States Army, was referred to the University Faculty with the general approval of the Executive Committee, of the plans.

7. On the nomination of the President, Professor Heinrich Ries was appointed a delegate to the Twelfth National Geological Congress, to be held at Ottawa, August, 1913.

8. The matter of paving Dryden Road between the Dwyer Bridge and Maple Ave. was referred to the Treasurer and Assistant Treasurer to investigate and report.

9. It was recommended to the Full Board of Trustees that they appoint a committee to investigate the general question of Fellowships and Scholarships in the University.

10. The use of the Armory for the evening of May 23rd, was granted to the Military Department for a Navy Day Hop, upon the usual terms and conditions.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., April 29, 1913.

Present—Trustees, Van Cleef, Williams, Treman, R. H., Newman, Treman, C. E., Cornell, and Blood. Acting President Crane. Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of April 22, 1913, were read and approved.

Action was taken as follows :

1. Permission to use the Armory on the night of June 18, 1913, on the usual terms and conditions, was granted to the Senior Ball Committee, on condition that only the ordinary waltz and two-step be danced, and that assurances to this effect satisfactory to the President be furnished by the committee.

2. The resignation of Professor Henry H. Norris, to take effect at the close of the current academic year was received and accepted.

3. The Acting President reported that in the matter of leave of absence for Assistant Professor Hess for one term of the College year 1913-14, the decision as to which term was left with the Acting President with power, that it had been decided that the leave of absence should be for the first term of the College year 1913-14.

4. Upon the recommendation of the Acting President, leave of absence for the second term of the academic year 1913-14, without prejudice to salary, was granted to Professor W. R. Orndorf, under the statute governing sabbatic leaves, and on condition that his work can be carried on to the satisfaction of the President without additional cost to the University.

5. Upon the nomination of the Acting President Mr. E. Dan Yount, was appointed Assistant in Chemistry for the balance of the current academic year, from April 23rd, (vice Walter M. Ralph resigned). Salary at the rate of \$400 per annum.

6. On the nomination of the Acting President the following appointments were made for the Summer Session of 1913 :

Professor W. W. Comfort, in French, at a salary of \$300. (vice J. F. Mason, resigned).

C. F. Craig, in Mathematics, at a salary of \$200 (*vice* L. L. Silverman, resigned).

Lawrence E. Trout, to fill the vacant position in Geology, at \$125.

Mrs. E. H. Barbour, warden of Sage College and Cottage, at a salary of \$100 and home, payable from the Sage College rent.

7. The Acting President reported the death of Mr. Andrew S. Draper, the State Commissioner of Education, and an ex-officio trustee of the University, and stated that he had communicated to the Chancellor of the Board of Regents, the sorrow of the University and his regret that he was unable personally to attend the funeral, and that he had delegated Professor George P. Bristol, Dean of the School of Education to represent the University at that time.

8. Mrs. Harriet T. Moody was requested to represent the University on the occasion of the twenty-fifth anniversary of the College of Women at the Western Reserve University, June 10th and 11th, 1913.

9. The Acting President reported a communication from the Secretary of the State Board of Charities, upon its recent inspection of the Medical College Dispensary, which report placed both the plant and the management in Class 1.

10. There was presented an application of the Seal and Serpent Society of Cornell University, for lease of a lot west of the Psi Upsilon lot and south of the Delta Kappa Epsilon lot, for the purpose of erecting a fraternity house thereon, which application was denied in accordance with the policy of the University as established by the Full Board of Trustees.

11. As applications are being received from time to time for the Degree of Bachelor of Science in Agriculture, instead of Bachelor of Science, it was resolved, that applicants for the degree who were registered in the College of Agriculture, in June, 1912, when the change in the degree was made, may if entitled to the same be granted the Degree of Bachelor of Science in Agriculture, instead of Bachelor of Science, upon giving adequate notice to the President of their desire.

12. The application of the Spring Day Committee to hold the Spring Day shows on May 24, 1913, on the property bounded by West Ave. and Stewart Ave., the property of Mr. F. C. Cornell, and University Ave. was granted under the general supervision and subject to approval of details of the Chairman of the Committee on Grounds.

13. In reply to a question from Dean Hull, as to whether a student taking work in two Summer Sessions in the College of Agriculture, and permitted to count the work as a term towards the degree in the College of Arts, would be required to pay for the free instruction re-

ceived in the College of Agriculture, it was resolved, that under the general statute of the University requiring the paying up of back tuition received in a free course when one transferred to a paid course, that said payment would be required, the amount when received to be credited to the College of Agriculture for the work given there.

14. The Library budget for the year 1913-14 was approved as follows, and appointments made as recommended.

REGULAR ESTIMATES FOR GENERAL LIBRARY, 1913-14.

| | |
|--|------------|
| G. W. Harris, Librarian..... | \$3,500 00 |
| A. C. White, Asst. Librarian (Classification) .. | 2,000 00 |
| W. H. Austen, Asst. Librarian (Reference) .. | 2,500 00 |
| G. L. Burr, Librarian, White Library..... | 600 00 |
| W. W. Ellis, Curator of Shelves..... | 1,500 00 |
| H. Hermannsson, Curator Icelandic Collection | 1,500 00 |
| M. Fowler, Curator Petrarch and Dante Collections | 600 00 |
| E. S. Ingersoll, Supervisor Order Department | 1,200 00 |
| J. Thornburg, Head Cataloguer..... | 1,000 00 |
| O. R. Ayres, Cataloguer..... | 840 00 |
| E. Van Denburg, Cataloguer (App'd Jan. '13, at \$45 mo. <i>vice</i> Miss VanNatten at \$480), | 600 00 |
| M. A. Stubbs, Supervisor Periodical Dept. ... | 800 00 |
| B. Wilder, Asst. in Reference Department... | 600 00 |
| A Gregory, Asst. in Reference Department... | 600 00 |
| — — —, Evening Asst. in Reference Department with tuition..... | 250 00 |
| — — —, Evening Asst. in Reference Department with tuition..... | 200 00 |
| G. deGrassi, Asst. in Ref. and Shelf Depts. ... | 600 00 |
| K. Sherwood, Asst. in charge O. S. Circ. Library | 360 00 |
| L. Leland, Asst. in Order Department..... | 480 00 |
| H. Barnes, " " " " | 300 00 |
| Copyist in Catalogue Department, paid by hour..... | 650 00 |
| Attendants in Reading Room, paid by hour... | 450 00 |
| Evening attendant in O. S. Circulating Libra- ry, paid by hour..... | 140 00 |
| Labelling and stamping new books..... | 225 00 |
| R. Hawkins, Janitor..... | 480 00 |
| T. Lynch, Janitor..... | 420 00 |
| M. Faulkner, Cleaner..... | 360 00 |

Miscellaneous Supplies :

Postage, express and freight charges on basis

| | |
|---|--------|
| last year | 350 00 |
| Stationery, Printing and Supplies | 500 00 |
| Furniture and incidental repairs | 300 00 |

\$23,905 00

Appropriation for Pres. White Library (by

terms of gift) \$ 800 00

At 5 percent.

| | | | | |
|---|-----------|---|-----------|--|
| Income on Sage Book Fd. | \$300,000 | " | 15,000 00 | } Plus surplus income— rate last year was 5.065. |
| Income on Fowler Library Fd. .. | 11,000 | " | 550 00 | |
| Income on Barnes " " .. | 5,000 | " | 250 00 | |
| Income on Victorian Poets Fd. .. | 1,000 | " | 50 00 | |
| Income on Fiske Petrarch Fd. .. | 6,000 | " | 300 00 | |
| Income on Fiske Iceland. Bk. Fd. .. | 8,000 | " | 400 00 | |
| Income on " " Pub. Fd. .. | 5,000 | " | 250 00 | } \$23,909 25 |
| 1/3 free income of Fiske Endow- ments fund for books & binding | | " | 6,309 25 | |

Total of regular estimates 1913-14. \$47,814 25

15. It appearing that all the preliminary and general plans and studies for Residential Halls have been paid from current income, it was resolved that after the approval of the same by the Residential Hall Committee, the Treasurer be authorized to advance the \$5,385.91 in payment of the bill of Messrs. Day & Klauder, for plans and specifications for the proposed first unit of the Residential Halls. The amount to be charged against the construction of the building when funds for same are provided.

16. Upon the recommendation of the Treasurer the schedule of administrative employees, for the year 1913-14 was approved as follows :

Archaeology.

| | Appropriation. |
|--|----------------|
| S. A. Worden, Janitor, \$45 per mo. | Archaeology |

Architecture.

| | |
|---|----------------|
| L. C. Gibbs, Sec'y to Director, \$46 mo. | Architecture |
| M. Nardi, Janitor, \$40 mo. | Care of Bldgs. |
| Student Janitor, 1/2 time, \$15 mo. | " " " |
| E. I. Steele, Librarian, \$38 mo. | Architecture |

Armory and Gymnasium.

| | |
|---|----------------|
| Lulu Brenner, Steno. (Military) \$38 mo. | Military |
| Thomas Sheehan, Janitor (Military) \$40 mo. | Care of Bldgs. |
| Floyd Darling, Janitor (Phys. Cult.) \$45 mo. | " " " |
| C. F. Mitchell, Janitor (Phys. Cult.) \$40 mo. | " " " |

Botany. (Subject to future revision.)

| | |
|--|--------|
| Frieda New, Steno. \$8 wk. ----- | Botany |
| Robert Shore, Head Gardener, \$100 mo. ----- | " |
| Burt Brown, Asst. Gardener, \$50 mo. ----- | " |
| Jas. Shore, Asst. " \$45 mo. ----- | " |
| J. Marselle, Asst. " \$45 mo. ----- | " |

Note. Of the above \$50 per month is chargeable to Income Sage Fund, and \$15 per month to Care of Buildings, for services rendered as janitor and in care of the grounds and walks around Sage College.

Chemical.

| | |
|--|-----------|
| Louise H. Cole, Clerk, \$840 yr. ----- | Chemistry |
| Celia M. Tallmadge, Asst. Clk. and Lbn., \$50. mo. --- | " |
| Mary Rappleye, Steno. \$38 mo. ----- | " |
| Henry Feehan, Stock room attendant, \$840 yr. ----- | " |
| Peter Silke, Assistant, \$45 mo. ----- | " |
| John Maher, Janitor, \$40 mo. ----- | " |
| I. E. Knapp, Janitor, \$40 mo. ----- | " |
| S. Molella, Janitor, \$45 mo. ----- | " |
| J. Dino, Janitor, \$40 mo. ----- | " |
| F. Dimanno, Janitor, \$40 mo. ----- | " |
| One additional stock room attendant, \$40 mo. ----- | " |

Civil Engineering.

| | |
|--|----------------|
| Clinton D. Cass, Mechanician, \$900 yr ----- | Salaries |
| Gertrude M. Sanford, Librarian, \$45 mo. ----- | Civil Eng. |
| Lena K. Haylett, Steno. \$45 mo. ----- | " " |
| -----, Steno. \$38 mo. ----- | " " |
| L. A. Campbell, Carpenter, \$60 mo. ----- | " " |
| George Cazenovia, Laborer, \$40 mo. ----- | " " |
| P. K. Larson, Janitor, \$40 mo. ----- | Care of Bldgs. |
| G. H. Marshall, Janitor, \$35 mo. ----- | " " |

Law.

| | |
|---|----------------|
| Bessie Marriott, Steno. (½ time) \$25 mo. ----- | Law. |
| Lawrence Powers, Janitor, \$40 mo. ----- | Care of Bldgs. |

Library.

| | |
|--|---------|
| R. Hankins, Janitor, \$40 mo. ----- | Library |
| T. Lynch, Janitor, \$35 mo. ----- | " |
| Mary Faulkner, Cleaner, \$30 mo. ----- | " |

Medical College—Stimson Hall.

| | |
|--|---------|
| Hilda A. Clark, Steno. and Librarian, \$50 mo. ----- | Medical |
| B. R. Macmillan, Mechanician, \$65 mo. ----- | " |

| | |
|--|---------|
| William Appel, Janitor and Embalmer, \$50 mo. ----- | Medical |
| Y. Karpaothian, Janitor and Preparator, \$45 mo. ----- | " |
| B. Clark, Janitor, \$40 mo. ----- | " |
| E. Odell, Janitor, \$40. ----- | " |
| Cora J. Whitman, Artist, \$500 yr. ----- | " |

Geology.

| | |
|---|----------------|
| H. E. Fournier, Janitor, \$40 mo. ----- | Care of Bldgs. |
| -----, Steno. and Clerk, \$34 mo. ----- | Geology |

Goldwin Smith Hall.

| | |
|--|----------------|
| -----, Janitor, \$40 mo. ----- | Care of Bldgs. |
| -----, Janitor, \$35 mo. ----- | " " |
| -----, Cleaner, \$30 mo. ----- | " " |
| -----, Attendant Library, \$10 week when the | |
| G. S. Library is open ----- | G. S. Library |

Infirmary.

| | |
|---|-----------|
| H. Sutherland, Superintendent, \$1,200 year ----- | Infirmary |
|---|-----------|

Physics.

| | |
|---|----------|
| F. C. Fowler, Mechanician, \$1,100 yr. ----- | Salaries |
| DeWitt Calkins, Asst. Mechanician, \$60 mo. ----- | " |
| W. D. Stevens, Stock Keeper, \$50 mo. ----- | Physics |
| Frank Calkins, Lecture Asst., \$50 mo. ----- | " |
| Nellie Lyons, Librarian, part time \$15 mo. ----- | " |
| Aloysia A. King, Steno. and Clerk, \$50 mo. ----- | " |
| Martin Harty, Jan. and App. Asst., \$45 mo. ----- | " |
| Joe Terenzio, Jan. and App. Asst., \$45 mo. ----- | " |
| J. J. Driscoll, Janitor, \$40 ----- | " |
| Mary Quinn, Janitress, \$30 mo. ----- | " |
| Helen L. Griffin, Janitress, \$30 mo. ----- | " |

Graduate School.

| | |
|--|--------------|
| Bessie Marriott, Clerk, ½ time, \$35 mo. ----- | Grad. School |
|--|--------------|

Registrar's Office.

| | |
|--|----------|
| Rose M. Clark, Assistant, \$770 yr. ----- | Salaries |
| Helen M. Ross, Assistant \$660 ^{\$600} yr. ----- | " |
| O. W. Smith, Assistant, \$850 yr. ----- | " |
| Clerical Assistance by hours, \$250 yr. ----- | " |

Sibley College.

| | |
|--|----------|
| G. W. Race, Mechanician, \$70.83 mo. ----- | Salaries |
| E. W. Gregory, Mechanician, \$66.66 mo. ----- | " |
| G. A. Culligan, Mechanician, \$66.66 mo. ----- | " |

| | |
|--|----------------|
| J. A. Bush, Mechanician, \$45 mo. | “ |
| J. C. Bedell, Engineer, \$50 mo. (plus Fire Pumps \$12.50 cash, \$12.50 rent) mo. | “ |
| M. Colquhoun, Clerk, Exp. Eng. \$50 mo. | “ |
| E. N. Robinson, Secy. to Director, \$46 mo. | “ |
| J. C. Stout, Janitor, \$40 mo. | Care of Bldgs. |
| T. Quirk, Janitor, \$40 mo. | “ “ |
| J. Brown, Janitor, \$40 mo. | “ “ |
| R. T. Smith, Janitor, \$40 mo. | “ “ |
| Henry Fay, Janitor, \$40 mo. | “ “ |
| H. A. Corp, Janitor, \$40 mo. | “ “ |
| W. F. Head, Assistant in Forge, \$40 mo. | “ “ |
| F. Kremer, Toolkeeper, \$40 mo. | Mechanical |
| K. Handlen, Steno. \$42 mo. | “ |
| Lulu M. Markell, Steno. \$42 mo. | “ |
| R. L. Shepherd, Librarian, \$42 mo. | “ |
| Maud Newman, Steno. \$42 mo. | “ |

School of Education.

| | |
|--|------------|
| Floy Roberts, Steno. and Clerk, \$50 | Department |
|--|------------|

Zoology.

| | |
|---|---------|
| E. C. Stillwell, Janitor, \$50 mo. | Zoology |
|---|---------|

Treasurer's Office.

| | |
|--|-------------|
| R. M. Van Order, Assistant, \$1,100 year | Salaries |
| E. L. Driscoll, Assistant, \$1,000 yr. | “ |
| B. Lewis, Book-keeper, \$700 yr. | “ |
| C. L. Terry, Book-keeper, \$660 yr. | “ |
| H. M. Boyd, Steno., \$600 yr. | “ |
| A. C. Otten, Clerk and Steno., \$600 yr. | “ |
| L. Roskelly, Clerk, \$38 mo. | “ |
| Ruth Bierce, Clerk, \$34 mo. | “ |
| ———, Assistant | Agriculture |

Electric Service.

| | |
|--|--------------------|
| R. B. Hayes, Supt., \$2,000 yr. | Salaries |
| ———, Engineer, \$60 mo. | El. Lt. & Pr. Lbr. |
| ———, Engineer, \$60 mo. | “ “ |
| ———, Helper, \$45 mo. | “ “ |
| ———, Helper, \$45 mo. | “ “ |
| ———, Lineman, \$2.25 day | Electric Service |
| ———, Lineman, \$2.25 day | “ “ |
| Harry Fowler, in charge Elec. Motors, etc. \$67.50 mo. | El. Lt. & Pr. Lbr. |

Grounds.

| | |
|--------------------------------------|----------|
| F. C. Evans, Supt., \$1,200 yr. | Salaries |
|--------------------------------------|----------|

Steam Heating.

| | |
|-------------------------------------|--------------|
| M. E. King, Foreman, \$100 mo. | Heating Lbr. |
| —— —, Fireman, \$60 mo. | “ |
| —— —, Fireman, \$60 mo. | “ |
| —— —, Helper, \$45 mo. | “ |
| —— —, Helper, \$45 mo. | “ |

Additional help when needed by day.

Water Works.

| | |
|--|-------------|
| E. M. Chamot, Consulting Expert, \$100 yr. | Water Works |
| C. Huckle, Asst. Chemist in charge, \$200 yr. | “ “ |
| C. Van Dine, Filter Attendant, \$50 mo. | “ “ |
| C. Bedell, Engineer Fire Pumps, \$12.50 mo. | “ “ |

Repairs.

| | |
|--|------------|
| E. Sprigg, Supt. (\$200 allowance for car, \$1800 yr. | Salaries |
| A. Nash, Painter, \$800 yr. | Repairs |
| J. Dean, Clerk, \$40 mo. | Department |

Miscellaneous.

| | |
|---|----------------|
| Wm. McGraime, Janitor, Morrill, \$40 mo. | Care of Bldgs. |
| “ “ Messenger, \$10 mo. | Salaries |
| George Sanders, Janitor Sage Chapel, \$40 mo. | Sage Chap exp. |
| P. Lynch, Janitor, White, \$40 mo. | Care of Bldgs. |
| Albert Brown, Night Watchman, \$55 mo. | Salaries |
| Wm. Banfield, Janitor Cascadilla, \$35 mo. | Casca. Bldg. |
| W. J. Hughes, Night Watchman, \$1.50 per night | Inc. Sage Fd. |
| Jas. Collins, University Messenger, \$1.50 day | Salaries |

Secretary's Office.

| | |
|----------------------------------|----------|
| J. Sutfin, Steno., \$48 mo. | Salaries |
|----------------------------------|----------|

17. *Resolved*, that this committee recommend to the full Board the abolishment of the Department of Botany in the University, and that a committee be appointed to consider ways and means.

18. The proposed budget for the year 1913-14 as prepared by the Appropriation Committee, was considered, and the committee on Appropriations was requested to present the same, with the whole matter of policy involved to the Full Board.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't. Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

ITHACA, N. Y., May 3, 1913.

Present—Trustees Sisson, Cornell, Barr, Beahan, Blood, Edwards, Hiscock, Mason, Miller, Moody, Morris, Newman, Place, Pratt, Sackett, Sewell, Treman, C. E., Treman, R. H., Van Cleef, Westervelt, Westinghouse, White, Williams and Wilson. Acting President Crane, Secretary Williams.

Trustee Place was called to the Chair.

Letters regretting their inability to be present were received from Trustees, Boldt, Taylor, Ickelheimer and Shepard, and their absences were excused.

The following action was taken :

1. The minutes of the meeting of this Board of January 18th, 1913, were approved as printed ; and the minutes of the Executive Committee from January 28th, 1913, to April 29th, 1913, inclusive, were approved as printed, and the actions therein contained ratified and confirmed.

2. Trustee White reported that Mrs. Stewart L. Woodford desired to consider establishing in the University a Memorial to Gov. Woodford, and moved that a committee of three be appointed to consult with her. Carried.

The Chair appointed as such committee, Trustee White, Chairman, Acting President Crane and Trustee Sackett.

3. Acting President Crane reported that Mrs. Grace Caldwell Chamberlain and Professor Frank Chamberlain, desired to establish as a Memorial to their father, and to be called after him, "The George Chapman Caldwell Prize," a prize of the value of \$50 a year, to be awarded annually in money and accompanied by a certificate on parchment to a member of the Senior Class, for general excellence in Chemical work, the award to be made by the staff of the Chemical Department ; and on motion the proposed gift was accepted and the Acting President requested to transmit to Mrs. Chamberlain and Mr. Caldwell, the sincere thanks of the Board for their generous gift.

4. The matter of electing a successor to the late General Stewart L.

Woodford, upon the Board of Trustees, was postponed until the June meeting of the Board.

5. *Resolved*, That the recommendation of the special committee upon the matter of the tuition of members of the Instructing staff, as found on page 153 of the minutes, of the meeting of April 1, 1913, be adopted.

6. *Resolved*, That the Chair appoint a committee of three to consider the general question of Fellowships and Scholarships in the University.

The Chair appointed as such committee, Trustees Newman, Chairman Wilson and Edwards.

7. *Resolved*, That the Chair appoint a committee of five to consider generally the College of Law and the matters affecting same, and report.

The Chair appointed as such committee, Trustees, Hiscock, Chairman, Van Cleef, Mason, Carlisle and Blood.

8. *Resolved* That the Trustees request the Faculty of the College of Arts and Sciences, to examine the courses of study, and report whether they may be reduced without impairing the efficiency of the College, and what limitations may properly be placed upon the extension and addition of courses.

9. *Resolved*, That a committee of three be appointed to work out such arrangements between the College of Arts and Sciences and the College of Agriculture, for instruction in Botany, as will best serve the purpose of efficient instruction, and economical administration.

The Chair appointed as such committee, Trustees, Morris, Chairman, White and Sisson.

10. *Resolved*, That the Chairman appoint a committee of seven members of the Board, of which he shall be a member to investigate, in co-operation with the Cornellian Council, the possibility of securing more endowments, for general University purposes.

The Chair appointed as such committee, Trustees, Boldt, Chairman, C. E. Treman, Westinghouse, Westervelt, Ickelheimer, Sackett, and Place.

(Note.—Trustee Boldt on account of his health could not accept the chairmanship of this committee and Mr. Place later designated Mr. C. E. Treman as chairman.)

11. The Acting President was requested to transmit to the Athletic authorities, the thanks of the Trustees for the invitation to attend the Ball game and Track Meet in the afternoon, and to express the regret that the pressure of business would not permit the Trustees to accept the invitation.

12. The following budget for the year 1913-14, as proposed by the appropriations committee was adopted; and on the nomination appointments for the year 1913-14 except when stated for a longer period, were made; Trustees R. H. Treman and Beahan voting in the negative, Mr. Treman because the total exceeded the estimated income.

Ithaca, N. Y., May 3, 1913.

The Estimated Income for 1912-13 as per Report of Committee on Appropriations October 1, 1912, was—

| | | |
|--|--------------|----------------|
| Tuition from students | \$287,000 00 | |
| State Account Agricultural students* | 20,000 00 | |
| Fees from students | 81,120 00 | |
| Infirmity fees and extra service | 28,000 00 | |
| Summer Session | 28,500 00 | |
| Sage College and Cottage | 16,000 00 | |
| From invested funds | 176,000 00 | |
| Congressional Industrial Fund | 50,000 00 | |
| Experiment Station (including arrears) | 3,600 00 | |
| Rents | 9,500 00 | |
| Miscellaneous | 350 00 | |
| Surplus Sage rents for 2 years | 5,000 00 | \$1,033,070 00 |

For 1913-14, Add

| | | |
|---|----------|----------------|
| Tuition of Military Assistants | 4,000 00 | |
| Income on Fuertes Prize Speaking Fund | 120 00 | |
| Increase in Chemical and other fees | 3,000 00 | 7,120 00 |
| | | \$1,040,190 00 |

Deduct

| | | |
|--|----------|----------------|
| Decrease in Experiment Station fund | 4,500 00 | |
| Decrease in Sage College rents | 2,500 00 | 7,000 00 |
| Estimated available income on basis of this year | | \$1,033,190 00 |

* Increased appropriation asked for.

SUMMARY

TENTATIVE APPROPRIATIONS FOR 1913-14.

| | 1912-13 | 1913-14 | Increase | Decrease |
|------------------------------------|----------------|----------------|--------------|------------|
| Salaries | \$ 566,945 00 | \$ 570,432 00 | \$ 3,487 00 | |
| Special Lectureships | 11 550 00 | 11,550 00 | | |
| Fellowships and Scholarships | 26,912 50 | 26,912 50 | | |
| Prizes | 954 50 | 1,074 50 | 120 00 | |
| Interest and Annuities | 3,725 00 | 3,725 00 | | |
| Maintenance | 75,040 00 | 80,115 00 | 5,075 00 | |
| Operating Expenses | 23,603 85 | 28,050 00 | 4,446 15 | |
| Miscellaneous | 90,852 30 | 89,032 00 | | 1,820 30 |
| Agriculture | 57,315 00 | 52,815 00 | | 4,500 00 |
| Library | 47,299 25 | 47,814 25 | 515 00 | |
| Summer Session | 31,235 26 | 28,500 00 | | 2,735 26 |
| Medical, New York | 6,406 00 | 6,406 00 | | |
| Department Appropriations | 102,687 00 | 103,403 00 | 716 00 | |
| | \$1,044,525 66 | \$1,049,829 25 | \$ 14,359 15 | \$9,055 56 |
| | | | 9,055 56 | |
| Net Increase | | | \$ 5,303 59 | |

TENTATIVE APPROPRIATIONS.

| | 1913-14. | | | |
|---------------------------------------|-------------|-------------|--------------|---------------------|
| | 1912-13 | 1913-14 | Totals | Increase , Decrease |
| Gold. Smith Special Fd. | \$ 8,750 00 | \$ 8,750 00 | | |
| Schiff-Non-res. lecturer | 2,800 00 | 2,800 00 | \$ 11,550 00 | |
| <i>Fellowships and Scholarships</i> | | | | |
| 2 Fellowships @ 600 each | 1,200 00 | 1,200 00 | | |
| 21 " @ 500 each | 10,500 00 | 10,500 00 | | |
| 16 Grad. Schol. @ 300 each | 4,800 00 | 4,800 00 | | |
| 36 Undergrad. Schol. @ 200 each | 7,200 00 | 7,200 00 | | |
| Boardman, Sen. Law | 100 00 | 100 00 | | |
| Fraser, Law | 150 00 | 150 00 | | |
| M. F. Hall Scholarship | 950 00 | 950 00 | | |
| Padgham " | 150 00 | 150 00 | | |
| C. H. Roberts " | 1,200 00 | 1,200 00 | | |
| J. N. Smith " | 162 50 | 162 50 | | |
| Schiff German | 500 00 | 500 00 | 26,912 50 | |
| | <hr/> | <hr/> | | |
| | 26,912 50 | | | |
| <i>Prizes</i> | | | | |
| Mrs. A. S. Barnes | 50 00 | 50 00 | | |
| Philo S. Bennett | 20 00 | 20 00 | | |
| Class '94 Debate | 94 00 | 94 00 | | |
| Class '86 Memorial | 95 00 | 95 00 | | |
| Corson Browing | 52 50 | 52 50 | | |
| Corson French | 63 00 | 63 00 | | |
| Fuertes Medal | 50 00 | 50 00 | | |
| " Prize Debate | | 120 00 | \$ 120 00 | |
| Guilford Essay | 150 00 | 150 00 | | |
| Hollingsworth Vet. | Annual gift | | | |
| Luana L. Messenger | 50 00 | 50 00 | | |
| J. T. Morrison | Annual gift | | | |
| Frances Sampson | 30 00 | 30 00 | | |
| W. C. Seidell Book | 50 00 | 50 00 | | |
| Sibley | 100 00 | 100 00 | | |
| White Veterinary | 25 00 | 25 00 | | |
| Woodford Medal | 125 00 | 125 00 | | |
| | <hr/> | <hr/> | | |
| | 954 50 | | 1,074 50 | 120 00 |
| <i>Interest and Annuities</i> | | | | |
| Fiske Monzechi | 2,200 00 | 2,200 00 | | |
| Fiske Grimsey | 1,000 00 | 1,000 00 | | |
| Preswick Annuity | 300 00 | 300 00 | | |
| Mitchell Interest | 225 00 | 225 00 | | |
| | <hr/> | <hr/> | | |
| | 3,725 00 | | 3,725 00 | |

Maintenance Depts.

| | | |
|--|-----------|-----------|
| Buildings, Care of | 11,300 00 | 11,300 00 |
| Buildings, Repairs of | 13,000 00 | 13,000 00 |
| Electric Service | 2,500 00 | 2,500 00 |
| Electric L. and P. Labor | 3,500 00 | 3,500 00 |
| Fuel | 19,700 00 | 19,700 00 |
| Goldwin Smith Repairs | 250 00 | 250 00 |
| Grounds, Care and Ornamenta- tion | 6,830 00 | 5,000 00 |
| Grounds, Rand Hall and East Ave. | 1,000 00 | |
| Grounds, Spraying Elms | 350 00 | 350 00 |
| “ Central Ave. | 660 00 | |
| “ C. N. Lowry | 750 00 | 450 00 |
| Heating Plant Changes | 450 00 | |
| Heating Labor | 5,000 00 | 5,000 00 |
| Steam and Water Repairs | 4,500 00 | 4,500 00 |
| Water Works | 2,200 00 | 2,200 00 |
| Morse Hall Steam Ext. | 2,550 00 | |
| Morrill Hall Steam Ext. | | 200 00 |
| Lowering Fire Main | 500 00 | |
| | <hr/> | <hr/> |
| | 75,040 00 | |
| Library Stacks | | 5,665 00 |
| Power Plant Enlargement | | 6,000 00 |
| Transformer Vault Armory | | 500 00 |
| | | <hr/> |

80,115 00 5,075 00

Operating Expenses

| | | |
|----------------------------------|-----------|-----------|
| Administrative Offices | 5,500 00 | 5,500 00 |
| Advertising and Lectures | | |
| Attorney Fees and Expenses | 1,500 00 | 1,200 00 |
| C. U. C. A. Handbook | 100 00 | 100 00 |
| Chimes | 250 00 | 250 00 |
| Contingent | 7,000 00 | 10,000 00 |
| Diplomas and Commencement | 1,500 00 | 1,500 00 |
| Insurance | 500 00 | 1,500 00 |
| Reading Entrance Exams. | 500 00 | 500 00 |
| Trustee Traveling Exp. | 1,500 00 | 1,500 00 |
| University Publications | 5,200 00 | 6,000 00 |
| Memorial Tablets | 53 85 | |
| | <hr/> | <hr/> |
| | 23,603 85 | 28,050 00 |

28,050 00 4,446 15

Miscellaneous

| | | | | |
|--------------------------------|--------------|-----------|--------------|-------------|
| Athletic Assn. Rent..... | 200 00 | | | |
| Guiteau Fund | 12,260 00 | 12,260 00 | | |
| Infirmary | 33,000 00 | 33,000 00 | | |
| Sage Chapel | | | | |
| Dean Sage Sermon Fund..... | 3,790 00 | 3,790 00 | | |
| Expense | 800 00 | 800 00 | | |
| Organ Repairs | 150 00 | 150 00 | | |
| Sunday Programs | 322 50 | 200 00 | | |
| Hymn Books..... | 360 00 | 120 00 | | |
| Conductor's Stand..... | 50 00 | | | |
| Sage College | 21,500 00 | 21,500 00 | | |
| Hasbrouck Property..... | 500 00 | 500 00 | | |
| Risley Hall Water | 207 80 | | | |
| Residential Halls Com. | 2,000 00 | 1,000 00 | | |
| | <hr/> | <hr/> | | |
| | 75,140 30 | | 73,320 00 | \$1,820 30 |
| Polish Student Loan..... | 5 00 | 5 00 | | |
| Class 1908 Fund | 25 00 | 25 00 | | |
| Class 1912 Fund | 41 00 | 41 00 | | |
| Debate Council | 100 00 | 100 00 | | |
| Woman's Guild | 325 00 | 325 00 | | |
| Wurtz Loan Fund | 113 00 | 113 00 | | |
| Transferred to Principal | 15,103 00 | 15,103 00 | | |
| | <hr/> | <hr/> | 15,712 00 | |
| Agriculture | | | | |
| Congressional Ind. Fd. | 20,000 00 | 20,000 00 | | |
| General Appropriation..... | 5,700 00 | 5,700 00 | | |
| Exp. State—Hatch | 15,750 00 | 13,500 00 | | |
| Adams | 15,750 00 | 13,500 00 | | |
| Income | 100 00 | 100 00 | | |
| Agri. Student Loan Fd. | 15 00 | 15 00 | | |
| | <hr/> | <hr/> | | |
| | 57,315 00 | | 52,815 00 | 4,500 00 |
| Library | 47,299 25 | 47,814 25 | 47,814 25 | 515 00 |
| (For details see sheet No. —) | | | | |
| Summer Session..... | 31,235 26 | 28,500 00 | 28,500 00 | 2,735 26 |
| Medical—New York | | | | |
| Loomis Laboratory | 5,900 00 | 5,900 00 | | |
| Polk Prize | 506 00 | 506 00 | | |
| | <hr/> | <hr/> | | |
| | 6,406 00 | | 6,406 00 | |
| | <hr/> | <hr/> | | |
| | \$374,893 66 | | \$375,994 25 | \$10,156 15 |
| | | | | \$9,055 56 |

DEPARTMENTS.

*(Appointments not terminating Aug. 1, 1913 and not requiring action at this time.)

| College | Title | 1912-1913 | Requested but not rec- ommended | 1913-14 | Increase | Decrease |
|--------------------------------------|-------|-----------|---------------------------------------|----------|----------|----------|
| <i>Architecture.</i> | | | | | | |
| *Martin, C. A., Director | ----- | \$ 3,500 | | \$ 3,500 | | |
| Mauxion, G., Professor | ----- | 3,000 | | 3,500 | \$ 500 | |
| *Brauner, O. M., " | ----- | 2,500 | | 2,500 | | |
| Phelps, A. C., " | ----- | 2,000 | | 2,500 | 500 | |
| *Young, Geo. Jr., Ass't Professor | ----- | 2,000 | | 2,000 | | |
| Bossange, E. R., " | ----- | | | | | |
| (one year vice Stork) | ----- | 2,000 | | 2,000 | | |
| *Midjo, C., Ass't Professor | ----- | 1,500 | | 1,500 | | |
| Chamberlain, G. R., Instructor | ----- | | | | | |
| (for two years) | ----- | 1,200 | | 1,200 | | |
| Gutsell, H. S., " | ----- | 1,000 | | 1,000 | | |
| Baxter, H. E., " | ----- | 1,000 | | 1,000 | | |
| Comstock, D. C., " | ----- | 800 | | 1,000 | 200 | |
| | | <hr/> | | <hr/> | | |
| | | \$20,500 | | \$21,700 | \$1,200 | |
| For new dies—Brown Medal | ---- | | | 110 | 110 | |
| Appropriation | ----- | 2,700 | | 2,700 | | |
| | | <hr/> | | <hr/> | | |
| Total for College | ----- | \$23,200 | | \$24,510 | \$1,310 | |
| Arts and Sciences | | | | | | |
| <i>Office and General</i> | | | | | | |
| Dean | ----- | 500 | | 500 | | |
| Clerk | ----- | | | 1,500 | | |
| Office Appropriation | ----- | 1,450 | | 650 | | |
| Reading Room and Library, G. S. | ----- | 375 | | 375 | | |
| Lecturers, G. S. | ----- | 400 | | 400 | | |
| Faculty Committees | ----- | 50 | | 50 | | |
| Arts Departments | | | | | | |
| <i>Archaeology.</i> | | | | | | |
| *Andrews, E. P., Ass't Professor | ----- | 2,000 | | 2,000 | | |
| Appropriation | ----- | 1,000 | 1,000 | 750 | | 250 |
| <i>Education.</i> | | | | | | |
| *Bristol, G. P. Director (see Greek) | ----- | 1,000 | | 1,000 | | |
| *DeGarmo, C., Professor | ----- | 3,500 | | 3,500 | | |
| *Whipple, G. M., Ass't Professor | ----- | 2,000 | | 2,000 | | |
| Appropriation | ----- | 1,000 | | 1,000 | | |
| | | <hr/> | | <hr/> | | |
| | | \$7,500 | | \$7,500 | | |

English.

| | | | | |
|--|-----------------|-------|-----------------|----------------|
| *Sampson, M. W., Professor | 4,000 | | 4,000 | |
| *Strunk, W., Professor | 3,000 | | 3,000 | |
| *Cooper, Lane, Ass't Professor | 2,000 | | 2,000 | |
| *Northup, C. S., " " | 2,000 | | 2,000 | |
| Prescott, F. C., Ass't Professor (for one year) | 2,000 | 2,500 | 2,000 | |
| *Adams, J. Q., Ass't Professor | 1,500 | 2,000 | 1,500 | |
| *Monroe, B. S., " " | 1,500 | | 1,500 | |
| *Bailey, E. J., Instructor | 1,200 | | 1,200 | |
| *Kirk, R. R., " " | 1,200 | | 1,200 | |
| Jensen, G. (vice Peek), Instructor | 1,000 | | 1,000 | |
| Smith, F. M., Instructor | 1,000 | | 1,000 | |
| Broughton, L. N., " " | 1,000 | | 1,000 | |
| Stelter, B. F., " " | 1,000 | | 1,000 | |
| Baldwin, D., " " | 1,000 | | 1,000 | |
| Gilbert, A., " " | 800 | | 1,000 | 200 |
| Crowell, M., " " | 800 | | 1,000 | 200 |
| | | | 800 | 800 |
| | <u>\$25,000</u> | | <u>\$26,200</u> | <u>\$1,200</u> |

Appropriation, G. S. (including
clerk with free tuition

| | | |
|-----------------|-----------------|----------------|
| 250 | 250 | |
| <u>\$25,250</u> | <u>\$26,450</u> | <u>\$1,200</u> |

French.

| | | | | |
|------------------------------------|-----------------|-------|-----------------|----------------|
| *Comfort, Wm. W., Professor | 4,000 | | 4,000 | |
| *Olmsted, E. W., " " | 3,000 | | 3,000 | |
| *Guerlac, O. G., Ass't Professor | 1,000 | | 2,000 | 1,000 |
| Gordon, A., " " | | | | |
| *Hamilton, G. L., " " | 2,000 | | 2,000 | |
| *Brown, G. H., Instructor (2 yrs.) | 1,500 | | 1,200 | 300 |
| *Mason, J. F., Ass't Professor | 1,500 | | 1,500 | |
| *Pumpelly, L., Instructor | 1,200 | | 1,200 | |
| Dale, G. I., " " | 1,000 | 1,200 | 1,000 | |
| Barnum, G. S., " " | 800 | | | 800 |
| | <u>\$16,000</u> | | <u>\$15,900</u> | <u>\$1,100</u> |
| Appropriation, G. S. | 75 | | 75 | |
| | <u>\$16,075</u> | | <u>\$15,975</u> | <u>\$1,100</u> |

German.

| | | | | |
|------------------------------|----------|----------|---------------|-----|
| *Faust, A. B., Professor | \$ 3,500 | \$ 3,500 | | |
| *Boesche, A. W., Asst. Prof. | 2,000 | 2,000 | | |
| *Pope, Paul R., " " | 2,000 | 1,000 | (L.v. of Ab.) | |
| *Davidsen, H., " " | 2,000 | 2,000 | | |
| *Grosse, W., " " | 2,000 | 1,500 | | 500 |
| (Vice E. J. Fluegel) | | | | |

| | | | | | |
|--------------------------------------|-----------------|-----|-----------------|---------------|----------------|
| *Zinnecker, W. D. Instructor----- | 1,200 | | 1,200 | | |
| Andrews, A. L., Instructor (2 yrs.) | 1,000 | | 1,200 | 200 | |
| Holt, F. Instr. (vice Pope)----- | | | 1,000 | | |
| Hermannson, H., Lecturer----- | 50 | | 50 | | |
| | <u>\$13,750</u> | | <u>\$13,450</u> | <u>\$ 200</u> | <u>\$500</u> |
| Appropriation, G. S.----- | 75 | | 75 | | |
| | <u>\$13,825</u> | | <u>\$13,525</u> | <u>\$200</u> | <u>\$500</u> |
| <i>Greek.</i> | | | | | |
| Sterrett, J. R. S., Professor ----- | \$3,500 | | \$3,500 | | |
| Bristol, G. P., Professor (See Ed'n) | 3,000 | | 3,000 | | |
| Jones, H. L., Asst. Prof.----- | 2,000 | | 2,000 | | |
| White, A. C., Reader | No salary | | No salary | | |
| | <u>\$8,500</u> | | <u>\$8,500</u> | | |
| Appropriation, G. S.----- | 50 | | 50 | | |
| | <u>\$8,550</u> | | <u>\$8,550</u> | | |
| <i>History—American.</i> | | | | | |
| *C. H. Hull, Professor ----- | \$4,000 | | \$2,000 | | \$2,000 |
| (Lv. of absence 1913-14) | | | | | |
| *Bretz, J. P., Professor----- | 3,000 | | 3,000 | | |
| Evans, P. D., Assistant----- | 250 | | 250 | | |
| (vice Caroline Lewis) | | | | | |
| | <u>\$7,250</u> | | <u>\$5,250</u> | | <u>\$2,000</u> |
| <i>History—Ancient.</i> | | | | | |
| *Sill, H. A., Professor----- | \$ 3,000 | | \$ 3,000 | | |
| McLean, R. H., Asst. ----- | 250 | | 250 | | |
| | <u>\$ 3,250</u> | | <u>\$ 3,250</u> | | |
| Appropriation, G. S.----- | 50 | 100 | 50 | | |
| | <u>\$ 3,300</u> | | <u>\$ 3,300</u> | | |
| <i>History—Mediaeval.</i> | | | | | |
| Burr, G. L., Professor ----- | \$ 4,000 | | \$ 4,000 | | |
| (salaries \$3,400, Library \$600) | | | | | |
| Evans, A. P., Assistant----- | 250 | | 250 | | |
| | <u>\$ 4,250</u> | | <u>\$ 4,250</u> | | |
| Appropriation, G.-S. ----- | | | 25 | 25 | |
| | <u>\$ 4,250</u> | | <u>\$ 4,275</u> | <u>\$ 25</u> | |
| <i>History—Modern European.</i> | | | | | |
| *Catterall, R. C. H., Professor --- | \$ 4,000 | | \$ 4,000 | | |
| *Lunt, W. E., "----- | 3,000 | | 3,000 | | |
| ----- Assistant | 250 | | 350 | \$100 | |
| ----- "----- | 250 | | 350 | 100 | |
| ----- "----- | | | 250 | 250 | |
| | <u>\$ 7,500</u> | | <u>\$ 7,950</u> | <u>\$450</u> | |
| Appropriation, G. S. ----- | 50 | 100 | 50 | | |
| | <u>\$ 7,550</u> | | <u>\$ 8,000</u> | <u>\$450</u> | |

Latin.

| | | | | |
|---------------------------------|-----------------|-----------------|--|--------------|
| *Bennett, C. E., Professor----- | \$ 4,000 | \$ 4,000 | | |
| *Durham, C. L., "----- | 3,000 | 3,000 | | |
| *Elmer, H. C., "----- | 3,000 | 3,000 | | |
| | <u>\$10,000</u> | <u>\$10,000</u> | | |
| Appropriation, G. S.----- | 150 | 50 | | 100 |
| | <u>\$10,150</u> | <u>\$10,050</u> | | <u>\$100</u> |

Oratory.

| | | | | |
|---------------------------------|-----------------|-----------------|--------------|-----|
| *Winans, J., Asst. Prof.----- | \$ 2,000 | \$ 2,000 | | |
| *Everett, G. A., "----- | 1,500 | 1,500 | | |
| Drummond, A. M., Inst. (2 yrs.) | 1,000 | 1,200 | 200 | |
| ----- Assistant----- | | | | 400 |
| | <u>\$ 4,500</u> | <u>\$ 4,700</u> | <u>\$200</u> | |
| Appropriation, G.-S.----- | 150 | 175 | 25 | |
| | <u>\$ 4,650</u> | <u>\$ 4,875</u> | <u>\$225</u> | |

Philosophy.

| | | | | |
|------------------------------------|-----------------|-----------------|--|--------------|
| *Creighton, J. E., Professor ---- | \$ 4,000 | \$ 4,000 | | |
| *Thilly, F., Professor (and house) | 3,500 | 3,500 | | |
| *Albee, E., "----- | 2,500 | 2,500 | | |
| *Hammond, W. A., Professor---- | 3,000 | 3,000 | | |
| (See Univ. Faculty) | | | | |
| Jordan, E., Instructor ----- | 1,000 | 1,000 | | |
| Tuttle, J. R., Assistant ----- | 500 | 500 | | |
| | <u>\$14,500</u> | <u>\$14,500</u> | | |
| Philosophical Review ----- | 1,000 | 900 | | 100 |
| Appropriation ----- | 60 | | | 60 |
| | <u>\$15,560</u> | <u>\$15,400</u> | | <u>\$160</u> |

Psychology.

| | | | | |
|-----------------------------------|-----------------|-----------------|-----|--|
| *Titchener, E. B., Professor----- | 4,500 | 4,500 | | |
| *Weld, H. P., Ass't Professor---- | 2,000 | 2,000 | | |
| Ruckmich, C. A., Instructor----- | 1,000 | 1,000 | | |
| Foster, W. S., Instructor----- | 600 | 800 | 200 | |
| Boring, E. G., Assistant----- | 500 | 500 | | |
| | <u>\$8,600</u> | <u>\$8,800</u> | | |
| Appropriation----- | 1,250 | 1,250 | | |
| | <u>\$ 9,850</u> | <u>\$10,050</u> | | |

Political Science and Economics.

| | | | | |
|---------------------------------|-------|-------|--------------|--|
| *Willcox, W. F., Professor----- | 2,000 | 2,000 | (Lv. of Ab.) | |
| *Johnson, A. S., "----- | 4,000 | 4,000 | | |
| *Young, A. A., "----- | | 4,000 | 4,000 | |
| ----- "----- | 3,000 | 3,000 | | |

| | | | | | |
|---------------------------------------|-----------------|-----|-----------------|-----------------|-----------------|
| *Bauer, J., Ass't Professor ----- | 2,000 | | 2,000 | | |
| *Saby, R. S., " ----- | 1,500 | | 1,500 | | |
| *Turner, J. R., Lecturer ----- | | | 1,500 | 1,500 | |
| *Blakey, R. G., Ass't Professor --- | 1,500 | | 1,500 | | |
| Usher, A. P., Instructor (2 yrs.) --- | 1,000 | | 1,200 | 200 | |
| Spedden, E. R., Instructor ----- | 1,000 | | | | 1,000 |
| Smith, G. G., " ----- | 1,000 | | | | 1,000 |
| Smith, H. E., " ----- | 1,000 | | 1,000 | | |
| Woodbury, R. M., " ----- | 1,000 | | | | 1,000 |
| Gilman, F. H., " ----- | 1,000 | | 1,000 | | |
| Stevens, J. G., Assistant ----- | 500 | | 500 | | |
| Leilich, T. F., " ----- | 500 | | 500 | | |
| (vice R. Hugins) | | | | | |
| ———, Reading Asst. ----- | 150 | | 150 | | |
| ———, " " ----- | 150 | | 150 | | |
| | <u>\$21,300</u> | | <u>\$24,000</u> | <u>\$ 5,700</u> | <u>\$ 3,000</u> |
| Appropriation ----- | 600 | 850 | 600 | | |
| " for course in Citizenship | | | | | |
| (p. 150) ----- | | | 700 | | |
| | <u>\$21,900</u> | | <u>\$25,300</u> | <u>\$ 5,700</u> | <u>\$ 3,000</u> |
| <i>Semitics.</i> | | | | | |
| Schmidt, N., Professor (5 yrs.) --- | 3,000 | | 3,000 | | |
| Appropriation G. S. ----- | 100 | 100 | 50 | | 50 |
| | <u>\$ 3,100</u> | | <u>3,050</u> | | <u>50</u> |

NOTE—The items marked G. S. are to be charged to the Income of the Goldwin Smith Special Fund.

(b) Science Departments

Astronomy.

| | | | | | |
|---------------------|----|--|----|--|--|
| Appropriation ----- | 40 | | 40 | | |
|---------------------|----|--|----|--|--|

†*Botany.*

| | | | | | |
|--|-----------------|--|-----------------|--|-----|
| *Atkinson, G. F., Professor ----- | 3,000 | | 3,000 | | |
| *Rowlee, W. W., Prof. and Adv. Gr. ----- | 3,000 | | 3,000 | | |
| Brown, H. P., Instructor ----- | 1,000 | | 1,000 | | |
| Pickett, F. L., " ----- | 1,000 | | 1,000 | | |
| (vice A. J. Eames) | | | | | |
| ———, Assistant ----- | 400 | | 400 | | |
| ———, " ----- | 400 | | 400 | | |
| ———, " ----- | 400 | | 400 | | |
| | <u>\$ 9,200</u> | | <u>\$ 9,200</u> | | |
| Appropriation ----- | 3,800 | | 3,350 | | 350 |
| | <u>\$13,000</u> | | <u>\$12,550</u> | | |

† Botany appointments and appropriations subject to action of Board on abolishing department as per recommendation of Executive Committee.

Chemistry.

| | | | |
|------------------------------------|-------|-------|-----|
| *Dennis, L. M., Professor | 4,000 | 4,000 | |
| *Bancroft, W. D., " | 3,000 | 3,000 | |
| *Orndorf, W. R., " | 3,000 | 3,000 | |
| *Browne, A. W., " | 2,500 | 2,500 | |
| *Chamot, E., " | 2,500 | 2,500 | |
| Lundell, G. E. F., Ass't Professor | 1,200 | 1,500 | 300 |
| (for 5 years) | | | |
| Redfield, H. W., Instructor | 1,000 | 1,200 | 200 |
| (for 2 years) | | | |
| Welch, T. W. B. Instructor | 1,000 | 1,200 | 200 |
| (for 2 years) | | | |
| Lemon, B. J., Instructor | 1,000 | 1,000 | |
| Anderson, R. P., " | 1,000 | 1,200 | 200 |
| (for 2 years) | | | |
| Hitch, E. F., Instructor | 1,000 | 1,000 | |
| Bennett, C. W., Ass't Professor | 1,000 | 1,500 | 500 |
| (for 5 years) | | | |
| _____, Assistant | 500 | 500 | |
| Rhodes, F. H., " | 500 | 500 | |
| Overman, O. R., " | 500 | 500 | |
| Sherwood, C. McK. " | 400 | 400 | |
| O'Brien, W. J., " | 400 | 400 | |
| Gilbert, H. N., " | 400 | 400 | |
| Parmelee, A. E., " | 400 | 400 | |
| Rose, C. C., " | 400 | 400 | |
| _____, Assistant | 400 | 400 | |
| _____, " | 400 | 400 | |
| Norton, A. B., " | 400 | 400 | |
| Hitch, A. R., " | 400 | 400 | |
| _____, " | 400 | 400 | |
| Kennedy, J. J., " | 300 | 400 | 100 |
| Miller, C. F., " | 400 | 400 | |
| _____, " | 400 | 400 | |
| _____, " | 300 | 400 | 100 |
| vander Meulen, P. A. " | 300 | 400 | 100 |
| _____, " | 400 | | 400 |
| _____, " | 400 | | 400 |
| Ray, A. B., " | 400 | 400 | |
| Weiser, H. B., " | 400 | 400 | |
| _____, " | 300 | 300 | |
| Gulick, R. A., " | 400 | 400 | |
| Lee, I. E., " | 400 | 400 | |

| | | | | | | |
|----------------------|---|-------|-----------------|-----------------|----------------|--------------|
| Mahood, S. A., | " | ----- | 400 | 400 | | |
| Davis, M. J., | " | ----- | 400 | 400 | | |
| Mack, E. L., | " | ----- | 400 | 400 | | |
| | | | <u>\$33,300</u> | <u>\$34,200</u> | <u>\$1,700</u> | <u>\$800</u> |
| Appropriation----- | | | 30,000 | 31,591 | 1,591 | |
| Prof. Bancroft ----- | | | 1,500 | 1,500 | | |
| | | | <u>\$64,800</u> | <u>\$67,291</u> | <u>\$3,291</u> | <u>\$800</u> |

Entomology.

| | | | | |
|-----------------------------------|-----|-----|--|--|
| *Comstock, J. H., Professor----- | 500 | 500 | | |
| (For balance see College of Agr.) | | | | |

Geology.

| | | | | |
|---|-----------------|-----------------|--------------|--------------|
| *Ries, H., Professor----- | 3,000 | 3,000 | | |
| Harris, G. D., Professor (for 1 yr.) | 3,000 | 3,000 | | |
| Gill, A. C., " (for 1 yr.) | 3,000 | 3,000 | | |
| von Engeln, O. D., Asst. Prof. | 1,500 | 1,500 | | |
| (for 1 yr.) | | | | |
| Hook, J. S., Instructor----- | 1,000 | 1,000 | | |
| Somers, R. E., " ----- | 1,000 | 1,000 | | |
| Wilber, D. T., " ----- | 800 | 1,000 | 200 | |
| Verwiebe, W. A., " (1 term) -- | 400 | 800 | 400 | |
| Storror, J., " (1 term) -- | 400 | 800 | 400 | |
| Sheldon, P. G., Lect.,----- | 800 | 800 | | |
| E. D. Elata Instructor ----- | 500 | 800 | 300 | |
| Mordorff, R. A., Assistant----- | 500 | 500 | | |
| Clayton, A. B., " ----- | 250 | | | 250 |
| Hausman, L. A., " ----- | 150 | | | 150 |
| Dickinson, W. E., " ----- | 200 | 200 | | |
| ----- " 1st term-- | 100 | 100 | | |
| (vice S. W. Ramsey) | | | | |
| Olsson, A. ----- | 100 | | | 100 |
| | <u>\$16,700</u> | <u>\$16,700</u> | <u>\$500</u> | <u>\$500</u> |
| Appropriation----- | 2,000 | 2,330 | 2,000 | |
| | <u>\$18,700</u> | <u>\$18,700</u> | | |

Mathematics.

| | | | | |
|---|-------|-------|-----|-------|
| *Tanner, J. H., Professor (L.v. of Ab.) | 3,000 | 1,500 | | 1,500 |
| *Hutchinson, J. I., " ----- | 2,500 | 3,000 | 500 | |
| *McMahon, J., " ----- | 2,500 | 3,000 | 500 | |
| *Snyder, V., " ----- | 2,500 | 3,000 | 500 | |
| (Action of Jan. 27, 1912) | | | | |
| *Carver, W. B., Ass't Professor--- | 1,500 | 1,750 | 250 | |
| (Action of Dec. 3, 1912) | | | | |

| | | | | | |
|--------------------------------------|-----------------|----------------|-----------------|-----------------|-----------------|
| *Ranum, A., Ass't Professor ----- | 1,500 | | 1,500 | | |
| *Sharpe, F. R., " ----- | 1,500 | | 1,500 | | |
| *Gillespie, D. C., " ----- | 1,500 | | 1,500 | | |
| Owens, F. W., Instructor (2 yrs.) | 1,200 | | 1,200 | | |
| *Craig, C. F., " ----- | 1,200 | | 1,200 | | |
| *Hurwitz, W. A., " ----- | 1,200 | | 1,200 | | |
| McKelvey, J. V., " (2 yrs.) | 1,000 | | 1,200 | 200 | |
| Silverman, L. L., " (2 yrs.) | 1,000 | | 1,200 | 200 | |
| Burgess, R. W., Assistant ----- | 500 | | 500 | | |
| | <u>\$22,600</u> | | <u>\$23,250</u> | | |
| Appropriation ----- | 50 | 100 | 50 | \$ 2,150 | \$ 1,500 |
| | <u>\$22,650</u> | | <u>\$23,300</u> | <u>\$ 2,150</u> | <u>\$ 1,500</u> |
| <i>Neurology.</i> | | | | | |
| *Reed, H. D., Ass't Professor ---- | 1,500 | | 1,500 | | |
| *Wright, A. H., Instructor ---- | 1,200 | | 1,200 | | |
| Allen, A., " ----- | 1,000 | | 1,000 | | |
| Denny, J. D., Assistant ----- | 400 | | 200 | | 200 |
| Harper, Francis, Assistant ----- | | | 200 | 200 | |
| | <u>\$ 4,100</u> | | <u>\$ 4,100</u> | <u>\$ 200</u> | <u>\$ 200</u> |
| Appropriation ----- | 1,200 | 1,500 | 1,200 | | |
| | <u>\$ 5,300</u> | <u>\$1,500</u> | <u>\$ 5,300</u> | <u>\$ 200</u> | <u>\$ 200</u> |
| <i>Physics.</i> | | | | | |
| *Nichols, E. L., Professor ----- | 4,000 | | 4,000 | | |
| *Bedell, F., Professor ----- | 3,000 | | 3,000 | | |
| *Merritt, E., " ----- | 3,000 | | 3,000 | | |
| (See Grad. Sch.) | | | | | |
| *Shearer, J. S., Professor ----- | 3,000 | | 3,000 | | |
| Trevor, J. E., " ----- | | | | | |
| *Moler, G. S., " ----- | 2,500 | | 2,500 | | |
| Blaker, E., Asst. Prof. (5 yrs.) --- | 2,000 | | 2,000 | | |
| *Richtmyer, F. K., Asst. Prof. --- | 1,500 | | 1,500 | | |
| *Gibbs, R. C., Asst. Prof. ----- | 1,500 | | 1,500 | | |
| Rodgers, R. C., Instructor ----- | 1,000 | | 1,000 | | |
| Murdock, C. C., " ----- | 1,000 | | 1,000 | | |
| Taylor, H. O., " ----- | 1,000 | | 1,000 | | |
| Kennard, E. H., " ----- | 1,000 | | 800 | | 200 |
| (vice M. M. Goldberg) | | | | | |
| Brown, T. B., Instructor ----- | 1,000 | | 800 | | 200 |
| (vice A. H. Forman) | | | | | |
| Mayer, E. C., Instructor ----- | 1,000 | | 1,000 | | |
| Power, C. E., " ----- | 800 | | 1,000 | 200 | |
| Thompson, G. E., Instructor ----- | 800 | | 1,000 | 200 | |
| (vice H. D. Ayers) | | | | | |

| | | | | |
|---|-----------------|---------|-----------------|----------------------------|
| King, R. W., Instructor ----- (vice C. C. Bidwell) | 800 | | 800 | |
| Buckley, O. E., Instructor ----- | 800 | | 1,000 | 200 |
| Howes, H. L., Assistant ----- | 500 | | 500 | |
| Roop, W. P., " ----- | 400 | | 500 | 100 |
| Weibel, E. E. " ----- | 400 | | 500 | 100 |
| Davey, W. P., " ----- | 400 | | 500 | 100 |
| Davies, J. J., " ----- | 400 | | 500 | 100 |
| Swisher, C. L., " ----- (vice R. E. Pierce) | 400 | | 400 | |
| Drew, E. C., Assistant ----- (vice E. H. Kennard) | 400 | | 400 | |
| Weeks, P. T., Assistant ----- (vice T. B. Brown) | 400 | | 400 | |
| Gibson, K. S., Assistant ----- | 400 | | 500 | 100 |
| _____, _____, " ----- | 400 | | 400 | |
| _____, _____, " ----- | 400 | | 400 | |
| Davey, Mrs. L. L., Assistant ----- | Tuition | | Tuition | |
| Fowler, F. C., Mechanician ----- | 1,100 | | 1,100 | |
| Calkins, Dewitt, Asst. Mech. ----- | 720 | | 720 | |
| | <u>\$36,020</u> | | <u>\$36,720</u> | <u>\$1,100</u> |
| Appropriation ----- | 10,000 | 17,056 | 10,000 | |
| | <u>\$46,020</u> | | <u>\$46,720</u> | <u>\$1,100</u> |
| <i>Music.</i> | | | | |
| *Dann, H. E., Professor ----- (Dept. Appn.) | \$3,000 | | | |
| _____, _____ Organist ----- (Dept. Appn.) | 1,500 | | | |
| Appropriation ----- | 7,012 | | 7,012 | |
| Orchestra Concert ----- | 100 | | 100 | |
| | <u>7,112</u> | | <u>7,112</u> | |
| <i>Military Science.</i> | | | | |
| *Bull, H. T., Professor ----- | \$ 800 | | 800 | |
| 1 Colonel ----- | | 250 | 250 | |
| 3 Majors ----- | | 225 ea. | 675 | |
| 10 Captains ----- | | 200 ea. | 2,000 | |
| 10 First Lieutenants ----- | | 125 ea. | 1,250 | |
| 12 Second Lieutenants ----- | | 100 ea. | 1,200 | |
| 2 Chief Musicians ----- | | 50 ea. | 100 | |
| | <u>2,400</u> | | | |
| | <u>\$ 3,200</u> | | <u>\$ 6,275</u> | offset by abol. free tuit. |
| Appropriation ----- | 900 | | 1,000 | 100 |
| | <u>\$ 4,100</u> | | <u>\$ 7,275</u> | |

Physical Culture.

| | | | | |
|----------------------------------|-----------------|-----------------|---------------|---------------|
| *Young, C. V. P., Professor..... | 3,000 | 3,000 | | |
| Munford, S. A., Med. Exam..... | 1,500 | 1,500 | | |
| ———, Asst. Exam. | 300 | 300 | | |
| Gelas, J. M., Instructor..... | 1,200 | 1,200 | | |
| Conley, L. J., Assistant..... | 1,000 | 1,000 | | |
| O'Connell, W. C., Assistant..... | 850 | 1,000 | 150 | |
| ———, Assistant..... | 150 | | | 150 |
| ———, Assistant..... | 150 | 150 | | |
| Ostrander, R. B., Assistant..... | 150 | 150 | | |
| Student Asst. by hr. | 250 | 350 | 100 | |
| | <u>\$ 8,550</u> | <u>\$ 8,650</u> | <u>\$ 250</u> | <u>\$ 150</u> |
| Appropriation | 2,250 | 2,000 | | 250 |
| | <u>\$10,800</u> | <u>\$10,650</u> | <u>\$ 250</u> | <u>\$ 400</u> |

Sage College Gymnasium.

| | | | | |
|-----------------------------------|----------------|----------------|-----------|--|
| Canfield, E. B., Instructor | 1,200 | 1,200 | | |
| Parker, E. E., Med. Examiner--- | 300 | 350 | 50 | |
| | <u>\$1,500</u> | <u>\$1,550</u> | <u>50</u> | |

Civil Engineering.

| | | | | |
|------------------------------------|-------|-------|-------|--|
| *Haskell, E. E., Director..... | 4,500 | 4,500 | | |
| *Church, I. P., Professor | 3,500 | 3,500 | | |
| *Crandall, C. L., " | 3,500 | 3,500 | | |
| *Jacoby, H. S. " | 3,000 | 3,000 | | |
| *Ogden, H. N., " | 2,500 | 2,500 | | |
| *Barnes, F. A., Ass't Professor.. | 2,000 | 2,000 | | |
| *Schoder, E. W., " " -- | 2,000 | 2,000 | | |
| *Leland, O. M., " " -- | 2,000 | 2,000 | | |
| *Underwood, P. H., " " -- | 1,500 | 1,500 | | |
| George, S. G., " " -- | | | | |
| (for 5 years) | 1,500 | 2,000 | 500 | |
| Parson, J. T., Ass't Professor | 1,500 | 2,000 | 500 | |
| (for 5 yrs.)..... | | | | |
| *Pond, M. A., Ass't Prof..... | 1,500 | 1,500 | | |
| Rettger, E. W., " " (for 5 yrs.) | 1,500 | 2,000 | 1,500 | |
| *Seery, F. J. " " -- | 2,000 | 2,000 | | |
| Turner, K. B., " " (for 5 yrs.) | 1,500 | 2,000 | 1,500 | |
| Walker, C. L., " " (for 5 yrs.) | 1,500 | 2,000 | 1,500 | |
| *Mills, A. P. " " -- | 1,500 | 1,500 | | |
| *Brauner, F. J. Jr., Instructor--- | 1,200 | 1,200 | | |
| *Burrows, E. N., " ---- | 1,200 | 1,200 | | |
| Wilson, A. F., " ---- | 1,000 | 1,000 | | |
| Powell, R. W., " ---- | 1,000 | 1,000 | | |

| | | | | |
|-----------------------------------|-----------------|-----------------|----------------|--------------|
| Lawrence, L. A., Instr (2 yrs.)-- | 1,000 | 1,200 | 200 | |
| McCurdy, J. C. " (2 yrs.)---- | 1,000 | 1,200 | 200 | |
| Urquhart, L. C., "----- | 1,000 | 1,000 | | |
| Hitchcock, F. A. "----- | 1,000 | 1,000 | | |
| Baker, C. M., "----- | 1,000 | 1,000 | | |
| Teeter, T. A. H., "----- | 1,000 | 1,000 | | |
| Dougherty, N. W. "----- | 1,000 | 1,000 | | |
| Conwell, W. L., "----- | 1,000 | 1,000 | | |
| White, E. C., "----- | 1,000 | 1,000 | | |
| ----- "----- | 800 | | | 800 |
| Cass, C. D., Mechanician----- | 900 | 900 | | |
| | <u>\$52,100</u> | <u>\$52,700</u> | <u>\$1,400</u> | <u>800</u> |
| Appropriation ----- | 7,100 | 9,850 | 7,350 | 250 |
| | <u>\$59,200</u> | <u>\$60,050</u> | <u>\$1,650</u> | <u>\$800</u> |

Graduate School.

| | | | | |
|-------------------------|----------------|--------------|--|--|
| *Merritt, E., Dean----- | 500 | 500 | | |
| Appropriation ----- | 700 | 700 | | |
| | <u>\$1,200</u> | <u>1,200</u> | | |

Law.

| | | | | |
|---|-----------------|-----------------|-------|--|
| *Irvine, F., Director----- | 4,000 | 4,000 | | |
| *Drew, W. L., Professor ----- | 3,500 | 3,500 | | |
| *Hayes, A. Jr., "----- | 3,500 | 3,500 | | |
| *Woodruff, E. H. ----- | 3,500 | 3,500 | | |
| *Stagg, C. T., Ass't Professor --- | 2,000 | 2,000 | | |
| Bogart, G. G., Ass't Professor (for 3 yrs.)----- | 2,000 | 2,500 | 2,000 | |
| *Willever, E. E., Librarian----- | 2,000 | 2,000 | | |
| ----- Ass't Librarian----- | 100 | 100 | | |
| ----- " "----- | 100 | 100 | | |
| ----- " "----- | 100 | 100 | | |
| | <u>\$20,800</u> | <u>\$20,800</u> | | |
| Appropriation ----- | 1,100 | 1,847 | 1,100 | |
| Appropriation Law Library----- | 2,500 | 4,200 | 2,500 | |
| | <u>\$24,400</u> | <u>\$24,400</u> | | |

Medical—College at Ithaca.*Anatomy.*

| | | | | |
|-----------------------------------|-------|-------|--|--|
| *Kerr, A. T., Professor and Sec'y | 3,500 | 3,500 | | |
| ----- Assistant ----- | 500 | 500 | | |
| Davis, H. K., "----- | 500 | 500 | | |
| ----- "----- | 500 | 500 | | |

Histology.

| | | | | | |
|----------------------------------|-------|--|-------|-----|-----|
| *Kingsbury, B. F., Professor--- | 3,000 | | 3,000 | | |
| Badertscher, J. A., Instructor-- | 1,000 | | 1,000 | | |
| Kingery, H. M., Assistant----- | 250 | | 500 | 250 | |
| Shilliday, C. L., "----- | 500 | | 500 | | |
| ----- "----- | 250 | | | | 250 |

Embryology Research.

| | | | | | |
|---------------------------------|-----|--|-----|--|--|
| Gage, S. H., Professor Emeritus | 500 | | 500 | | |
|---------------------------------|-----|--|-----|--|--|

Physiology, Biochemistry and Pharmacology.

| | | | | | |
|--------------------------------------|----------|--------|----------|---------|-------|
| *Simpson, S., Professor----- | 3,000 | | 3,000 | | |
| Hunter, A., Ass't Prof. (for 5 yrs.) | 2,000 | 2,500 | 2,000 | | |
| *Dresbach, M., "----- | 1,500 | 2,000 | 1,500 | | |
| Givens, M. H., Instructor----- | 1,000 | | 1,000 | | |
| Livingston, A. E., Instructor-- | 500 | | 800 | 300 | |
| ----- Assistant----- | | | 500 | 500 | |
| | \$18,500 | | \$19,300 | \$1,050 | \$250 |
| Appropriation ----- | 8,325 | 11,981 | 8,200 | | 125 |
| | \$26,825 | | \$27,500 | \$1,050 | \$375 |

Sibley College.*Power Engineering.*

| | | | | | |
|--|-------|-------|-------|-----|-------|
| *Smith, A. W., Director----- | 5,000 | | 5,000 | | |
| *Barnard, W. M., Professor--- | 2,750 | | 2,750 | | |
| *Hirshfeld, C. F., "----- | 2,500 | 2,750 | 2,500 | | |
| Ellenwood, F. O., Ass't Prof. (for 5 yrs.)----- | 1,500 | | 2,000 | 500 | |
| Matthews, R., Ass't Professor (for 5 yrs.)----- | 1,200 | | 1,500 | 300 | |
| Parmley, H. M., Instructor---- | 1,000 | | 1,000 | | |
| Jones, E. T., "----- | 800 | | 1,000 | 200 | |
| Ulbricht, T. C., "----- | 1,000 | | 1,000 | | |
| Thompson, P. W., "----- | 1,000 | | | | 1,000 |

Experimental Engineering.

| | | | | | |
|---|-------|--|-------|-----|--|
| *Diederichs, H., Professor---- | 3,500 | | 3,500 | | |
| Sawdon, W. M., Ass't Professor (for 5 yrs.)----- | 1,500 | | 2,000 | 500 | |
| *Upton, G. B., Ass't Professor-- | 1,500 | | 1,500 | | |
| *Gage, V. R., "----- | 1,500 | | 1,500 | | |
| Bierma, A. G., Instructor----- | 1,000 | | 1,000 | | |
| Wigley, W. L. "----- | 1,000 | | 1,000 | | |
| Peach, P. L. "----- | 1,000 | | 1,000 | | |
| Hook, W. H., "----- | 1,000 | | 1,000 | | |
| Diederichs, W. J., "----- | 800 | | 1,000 | 200 | |
| Wing, S. R., "----- | 1,000 | | 1,000 | | |

| | | | | | |
|------------------|---|-------|-------|--|-------|
| Burnett, R. S., | " | ----- | 1,000 | | 1,000 |
| Carpenter, C. K. | " | ----- | 1,000 | | 1,000 |
| Rogers, G. M., | " | ----- | 1,000 | | 1,000 |

Engineering Research.

| | | | | |
|------------------------------|------|-------|--|-------|
| *Carpenter, R. C., Professor | --- | 3,000 | | 3,000 |
| Wilson, L. A., Instructor | ---- | 1,000 | | 1,000 |

Machine Design.

| | | | | |
|--------------------------------------|-------|-------|-------|-------|
| *Kimball, D. S., Professor | ---- | 4,000 | | 4,000 |
| *McDermott, G. R., | " | ---- | 2,700 | 2,700 |
| *Hess, H. D., | " | ---- | 2,500 | 2,500 |
| Albert, C. D., Ass't Professor | | | | |
| (for 5 yrs.) | ----- | 1,500 | | 2,000 |
| *Hayes, L. D. | ----- | 1,500 | | 1,500 |
| *Williams, J. T. | ----- | 1,500 | | 1,500 |
| Freeman, H. L., Inst. (for 2 yrs.) | | 1,200 | | 1,200 |
| Ham, C. W., Inst. (for 2 yrs.) | | 1,200 | | 1,200 |
| Pierce, C. A., Instructor | ---- | 1,000 | | 1,000 |
| Corwin, C. D., | " | ----- | 1,000 | 1,000 |
| Adler, E., | " | ----- | 1,000 | |
| Lee, M. A., | " | ----- | 1,000 | 1,000 |
| Eaton, P. B., | " | ----- | 1,000 | 1,000 |
| DuPriest, J. R. | " | ----- | 1,000 | 1,000 |
| Townsend, C. E., | " | ----- | 1,000 | 1,000 |
| Klinck, F. E., | " | ----- | 1,000 | 1,000 |
| Bennett, L. W., | " | ----- | 800 | |
| van der Does de Bye, A. J. J., Inst. | | 800 | | 1,000 |
| Bradford, L. J., Instructor | ---- | 800 | | 1,000 |
| Hussey, T. A., | " | ----- | 800 | 1,000 |
| Waters, H. H., | " | ----- | 400 | 800 |
| Bown, R. A., Assistant | ----- | 400 | | 800 |
| Mills, G. C. Instructor | ----- | 1,000 | | 1,000 |

Machine Construction.

| | | | | |
|--------------------------------|-----|-------|-----|-------|
| *Wells, A. E., Ass't Professor | --- | 2,000 | | 2,000 |
| Vanderhoef, J. E., Foreman Fdy | --- | 1,000 | | 1,000 |
| ----- Ass't Foundry | --- | 750 | | 750 |
| Head, W. L., Foreman Forge | --- | 1,000 | | 1,000 |
| Brooks, C. A., Ass't | " | --- | 750 | 750 |
| Hooper, L., Forem'n Pat. Shop | --- | 1,000 | | 1,000 |
| Troutman, O. W., Ass't | " | --- | 750 | 750 |
| Bush, H. S., | " | --- | 750 | 750 |
| Card, Geo. R., | " | --- | 540 | |
| Buck, W. B., Ass't Mach. Shop | --- | 750 | | 750 |
| Howe, B. N., | " | --- | 750 | 750 |
| McLaughlin, W. D., | " | --- | 750 | 750 |

Electrical Engineering.

| | | | | | |
|--|----------|----------|----------|--------|----------|
| Norris, H. H., Professor ----- | \$ 3,500 | | | | \$ 3,500 |
| *Karapetoff, V., " ----- | 2,500 | \$ 2,750 | \$ 2,500 | | |
| *Macomber, G. S., Asst. Prof. | 2,000 | | 2,000 | | |
| *Ford, W. S., Asst. Prof. | 2,000 | | 2,000 | | |
| *Douglas, J. F. H., Instructor ---- | 1,200 | | 1,200 | | |
| Tappan, F. G., Instructor 2 yrs.' -- | 1,200 | | 1,200 | | |
| Pertsch, J. G., Instructor ----- | 1,000 | | 1,000 | | |
| Stevens, J. F., " ----- | 1,000 | | | | 1,000 |
| Catlin, W. S., " ----- | 800 | | 1,000 | \$ 200 | |
| Stevens, A. C., Instructor 2 yrs. | 1,000 | | 1,200 | 200 | |
| Ballard, W. C., Instructor ----- | 1,000 | | 1,000 | | |
| Brown, H. W., Instructor ----- | 1,000 | | 1,000 | | |
| Stevenson, R. L., " ----- | 1,000 | | 1,000 | | |
| Chamberlain, R. F., Instructor --- | 1,000 | | 1,000 | | |
| Morrow, L. W., Instructor ----- | 1,000 | | 1,000 | | |
| Brown, C. G., " ----- | 1,200 | | 800 | | 400 |
| (vice Tower) | | | | | |

Mechanics of Engineering.

| | | | | | |
|------------------------------------|-----------|-----------|-----------|----------|----------|
| *Wood, E. H., Professor ----- | 2,500 | | 2,500 | | |
| *Garrett, S. S., Asst. Prof. | 1,500 | | 1,500 | | |
| *Daughtery, R. L., Asst. Prof. --- | 1,500 | | 1,500 | | |
| Cornell, W. R., Instructor ----- | 1,000 | | 1,000 | | |
| Fried, J. A., " ----- | 1,000 | | 1,000 | | |
| Francis, D. R., " ----- | 1,000 | | 1,000 | | |
| Day, R. B., " ----- | 800 | | 1,000 | 200 | |
| Race, G. W., Mechanician ----- | 850 | | 850 | | |
| Gregory, E. W., " ----- | 800 | | 800 | | |
| Cullighan, G. A., " ----- | 800 | | 800 | | |
| Bush, J. A., " ----- | 540 | | 540 | | |
| Bedell, J. C., Engineer ----- | 600 | | 600 | | |
| (Rent, \$12.50. Water W., \$12.50) | | | | | |
| Colquhoun, Miss M., Clerk Exp. | | | | | |
| Eng. | 600 | | 600 | | |
| Robinson, Mrs. E. N., Secy. to | | | | | |
| Drtr. | 504 | | 552 | 48 | |
| | \$113,834 | | \$109,842 | \$ 4,248 | \$ 8,240 |
| Appropriation ----- | 15,000 | \$ 18,000 | 15,000 | | |
| | \$128,834 | | \$124,842 | | |

University Faculty.

| | | | | | |
|--------------------------------|-----|--|-----|--|--|
| *Hammond, W. A., Secretary --- | 500 | | 500 | | |
|--------------------------------|-----|--|-----|--|--|

ADMINISTRATION.

| | 1912-13 | 1913-14 | Increase | Decrease |
|--|----------|----------|----------|----------|
| <i>President's Office</i> | | | | |
| Schurman, J. G., President | \$10,000 | \$10,000 | | |
| Crane, T. F., Actg. " | 5,000 | | | \$5,000 |
| Carman, Miss A. B., Ass't Secy. | 900 | 900 | | |
| Terry, Miss C. M., Stenog. | 600 | 600 | | |
| | <hr/> | <hr/> | | |
| | 16,500 | 11,500 | | |
| <i>Registrar's Office</i> | | | | |
| Hoy, D. F., Registrar | 3,000 | 3,000 | | |
| Smith, O. W., Assistant | 750 | 850 | \$100 | |
| Clark, Miss R. M., Assistant | 720 | 770 | 50 | |
| Ross, Miss H. M., " | 600 | 600 | | |
| Clerical Assistance by hour | 250 | 250 | | |
| | <hr/> | <hr/> | | |
| | 5,320 | 5,470 | | |
| <i>Secretary's Office</i> | | | | |
| Dugan, W. J., Secretary | 2,000 | 2,000 | | |
| Sutfin, Miss J., Stenog. | 528 | 576 | 48 | |
| | <hr/> | <hr/> | | |
| | 2,528 | 2,576 | | |
| <i>Treasurer's Office</i> | | | | |
| Williams, E. L., Treasurer | 5,000 | 5,000 | | |
| Bostwick, C. D., Ass't Treasurer | 2,750 | 2,750 | | |
| Van Order, R. M., Assistant | 1,000 | 1,100 | 100 | |
| (see p. 518 minutes) | | | | |
| Driscoll, Miss E. L., Assistant | 1,000 | 1,000 | | |
| Terry, Miss C. L., Bookkeeper | 600 | 660 | 60 | |
| Lewis, B., Bookkeeper | 600 | 700 | 100 | |
| (see p. 518 minutes) | | | | |
| Boyd, H. M., Clerk and Stenog. | 600 | 600 | | |
| Otten, Miss A. C., Clerk & Stenog. .. | 600 | 600 | | |
| Roskelly, Miss L. D., " " | 408 | 456 | 48 | |
| Bierce, Miss R., " " | 360 | 408 | 48 | |
| | <hr/> | <hr/> | | |
| | 12,918 | 13,274 | | |
| Hayes, R. B., Supt. Ht., Lt. & Pr. .. | 2,000 | 2,000 | | |
| Sprigg, Edw., Supt. of Buildings .. | 2,000 | 2,000 | | |
| Evans, F. C., " of Grounds | 1,200 | 1,200 | | |
| Cornell, C. E., Inspector | 1,800 | 1,800 | | |
| Babcock, C., Architectural Ad. | 750 | 750 | | |
| Twisten, T. H., Proctor | 1,875 | 1,875 | | |
| Brown, A., Night Watch | 660 | 660 | | |
| Collins, Jas., Messenger Service ... | 470 | 470 | | |
| McGraime, Wm., Messenger | 120 | 120 | | |
| | <hr/> | <hr/> | | |
| | \$10,875 | \$10,875 | | |

The following items which include those marked G.S. in the above list are to be charged against the income of the Goldwin Smith Special Fund.

| | |
|---|------------|
| Goldwin Smith Reading Room and Library ---- | \$ 375 00 |
| Arts Lecturer ----- | 400 00 |
| English ----- | 250 00 |
| French ----- | 75 00 |
| German ----- | 75 00 |
| Greek ----- | 50 00 |
| Ancient History ----- | 50 00 |
| Mediaeval History ----- | 25 00 |
| Modern European History ----- | 50 00 |
| Latin ----- | 50 00 |
| Oratory ----- | 175 00 |
| Semitics ----- | 50 00 |
| American School at Athens ----- | 250 00 |
| “ “ “ Rome ----- | 250 00 |
| “ “ “ Jerusalem ----- | 100 00 |
| | <hr/> |
| | \$2,225 00 |

13. The following was presented and on motion approved and the appropriation made, payable from the funds collected by the Cornellian Council.

THE CORNELLIAN COUNCIL BUDGET 1913-1914.

April 30, 1913.

To the Trustees of Cornell University:

In accordance with the By-Laws of the Cornellian Council, Article VI, Section 2, the following Budget for the expenses of the Council for the fiscal year June 1, 1913, to June 1, 1914, as follows, is respectfully submitted :

| | |
|----------------------------------|------------|
| Salary of Secretary ----- | \$6,000 00 |
| Salary of Stenographer ----- | 900 00 |
| Office Rent ----- | 480 00 |
| Telephone ----- | 50 00 |
| Stamps ----- | 500 00 |
| Stationery and Printing ----- | 400 00 |
| Sundries and Miscellaneous ----- | 170 00 |
| | <hr/> |
| | \$8,500 00 |

IRA A. PLACE,
President Cornellian Council.

14. The matter of the balance of the appropriation asked for for the Law School and the Law Library, was referred to the Committee above appointed on the College of Law, to investigate and report.

15. On the nomination of the President and by ballots duly had, the following elections were made, to take effect August 1, 1913 :

Nathaniel Schmidt to be Professor of Semitics for a term of five years at a salary of \$3,000 per annum.

A. C. Phelps, to be Professor of Architecture, at a salary of \$2,500 per annum.

J. E. Trevor, to be Professor of Thermodynamics, in the Department of Physics, for one year without salary.

F. E. Prescott, to be Assistant Professor of English for one year at a salary of \$2,000.

Ernest Blaker, to be Assistant Professor of Physics, for five years, at a salary of \$2,000 per annum.

George G. Bogart, to be Assistant Professor of Law, for three years, at a salary of \$2,000.

A. Hunter, to be Assistant Professor of Biochemistry for a term of five years, at a salary of \$2,000 per annum.

E. R. Bossange, to be Assistant Professor of Design in the College of Architecture, for one year at a salary of \$2,000.

C. D. Albert to be Assistant Professor of Machine Design in Sibley College for five years, at a salary of \$2,000 per annum.

W. M. Sawdon, to be Assistant Professor of Experimental Engineering in Sibley College, for five years, at a salary of \$2,000 per annum.

F. O. Ellenwood, to be Assistant Professor of Power Engineering, in Sibley College, for five years, at a salary of \$2,000 per annum.

J. T. Parson, to be Assistant Professor of Drawing in the College of Civil Engineering, for five years, at a salary of \$2,000 per annum.

S. G. George, to be Assistant Professor of Applied Mechanics in the College of Civil Engineering for five years, at a salary of \$2,000 per annum.

In the College of Agriculture for the year beginning October 1, 1913, and on conditions that appropriations asked for are made.

W. H. Chandler, to be Professor of Research in Pomology in the New York State College of Agriculture, at a salary of \$2,500 per annum.

Lloyd S. Tenny, to be Professor of Rural Development, and State Leader (in co-operation with the U. S. Department of Agriculture) in Farm Bureau Demonstration, in the New York State College of Agriculture, at a salary of \$500.

K. C. Livermore, to Professor of Farm Management, at a salary of \$2,500 per annum.

M. W. Harper, to be Professor of Animal Husbandry, at a salary of \$2,500 per annum.

E. S. Savage, to be Professor of Animal Husbandry, at a salary of \$2,500 per annum.

O. A. Jöhanansen, to be Assistant Professor of Entomology, at a salary of \$2,000 per annum.

L. J. Cross, to be Assistant Professor of Chemistry, at a salary of \$2,000 per annum.

J. C. Bradley, to be Assistant Professor of Entomology, at a salary of \$1,800 per annum.

G. C. Embody, to be Assistant Professor of Entomology, at a salary of \$1,800 per annum.

C. H. Myers, to be Assistant Professor of Plant Breeding, at a salary of \$2,000 per annum.

H. O. Buckman to be Assistant Professor of Soil Technology, at a salary of \$2,000 per annum.

E. S. Guthrie, to be Professor of Dairy Industry, at a salary of \$2,500 per annum.

W. C. Baker, to be Assistant Professor of Drawing, at a salary of \$2,000 per annum,

Alice G. McCloskey, to be Assistant Professor of Rural Education, at a salary of \$2,000 per annum.

16. *Resolved*, That Trustees Edwards, Wilson, and Taylor, be appointed a committee to investigate and report to this Board whether there is anything in Professor Orth's past record which would make it undesirable for this Board to elect him to a Professorship.

17. The Faculty of the College of Arts and Sciences, acting upon the resolution of this Board of January 18, 1913, referring to it the question of a choice of a successor to Dean Hull, reported as follows :

1. On ballot duly had Professor Edward L. Nichols was elected Dean.

2. The Faculty voted that the Dean as the executive officer of the Faculty should be given larger power in administering the rules established by the Faculty and in carrying out such policies as it may adopt.

3. The Faculty voted that it should be an important duty of the Dean to bring to the attention of the Faculty or of the appropriate committee such questions as in his opinion have a bearing on the welfare of the college.

4. The Faculty recommended to the Trustees that the tenure of office of the Dean be fixed at two years.

5. The Faculty recommended to the Trustees that a Secretary of the College of Arts and Sciences should be provided, whose principal duty it should be to assist the dean and who therefore should be secretary of the Faculty and of all its standing committees with a right to speak but not to vote in those bodies.

6. The Faculty recommended to the Trustees that in view of the variety of the duties which will devolve upon the Secretary of the College, and of their responsible nature, he should be a man of University education, if possible of some teaching experience, and of such age and ability as may warrant paying him at least the salary of an assistant professor.

7. The Faculty recommended to the Trustees that the first Secretary of the College be nominated to the President by the Dean elect after consultation with the Committee on Educational Policy.

Resolved, That the foregoing recommendation be approved and adopted, with the express understanding that the Board is not com-

mitted to the two year term of office, nor to the other recommendations, except during the present Deanship of Professor Nichols.

18. *Resolved*, That the matter of change in tuition of the Summer Session, be referred to Trustees Edwards, Crane and Blood, to investigate and report at the June meeting.

19. The following was presented, and on motion approved, and the recommendations therein contained adopted, and appointments and appropriations made as recommended :

AGRICULTURAL COLLEGE COUNCIL, MAY 2, 1913.

Present—Trustees, Wilson, Sackett, Beahan, Barr, Pratt, Acting President Crane, Miller and Director Bailey. Treasurer Williams.

1. The Director reported that the Supply Bill and the Building Bill now before the legislature contained the following items :

- \$10,000 for Summer School in Agriculture, 1913.
- \$10,000 for additions repairs and betterments.
- \$10,000 for grading roads, walks and drives, and planting.
- \$129,000 to complete contracts for buildings now under contract.
- \$30,000 to extend green houses.
- \$18,000 to equip Auditorium.
- \$20,000 to equip Animal Husbandry Buildings.
- \$20,000 to equip Forestry Building.
- \$20,000 to equip new Agronomy Building.
- \$10,000 for additional equipment for Home Economics Building.
- \$ 3,000 for building a Pig Barn.
- \$ 5,000 for building a Sheep Barn.
- \$ 6,000 for building a Tool Barn.
- \$ 3,000 for Rural School House.
- \$25,000 for extension in Poultry Plant.
- \$10,000 for changes in the old Stock Judging Pavilion.
- \$35,000 for completion of Heating Plant.

Recommended conditional upon appropriations being passed by the Legislature, the Director be authorized to expend the appropriations for buildings, equipment and for Summer School in Agriculture, as provided by law, and for the purposes named.

2. *Resolved*, That this Council recommend to the Board of Trustees the granting of authority to the Agricultural College Building Committee, to pass upon the selection of designing and constructing Architect or Architects for Agricultural College Buildings, whenever such Architect or Architects shall be selected by the State Architect ; to pass upon plans and specifications ; to receive competitive bids for the erection of such buildings, and to recommend to the State Architect the awarding of contracts, and whenever plans for such buildings shall have been approved by said Building Committee, the Secretary

of the Board of Trustees, or in his absence the Assistant Secretary, be authorized to sign such plans for and on behalf of the Board of Trustees of Cornell University.

3. Recommended that the Director be authorized to erect a carpenter shop and store room at the College of Agriculture, at an expense approximately of \$1200, payable from the 1913 appropriation for additions, betterments and repairs.

4. Recommended that the Director be authorized to move the old Poultry Building and to rebuild same for the Department of Rural Art, at an estimated cost of \$3,000.

5. The Director asked for instructions with regard to the policy of carrying insurance on the Agricultural College buildings as has been done in the past, and also as to placing insurance on the recently erected buildings, which are substantially fire proof.

Recommended that the policy of insuring the old Agricultural Buildings be continued, and question of insuring the new fire proof buildings, and the amount of such insurance, if any, be referred to the Director of the College and the Treasurer of the University, with power.

6. Recommended, that the question of the use of the new Agricultural Auditorium, be referred to the Director of the College of Agriculture, with power to determine the conditions under which it may be used, and to fix fees for such use.

7. The action of Director Bailey in making minor appointments since the meeting of the Council on January 17, was approved as follows :

Department of Plant Pathology: J. L. Weimer as fellow on the Orleans fellowship. This fellowship is established in co-operation with the Orleans Mutual Fellowship Association of Orleans County, for the purpose of studying diseases and insect pests of orchard crops. The holder of the fellowship receives \$500 per year. Walter H. Burkholder and Charles C. Crittenden to be fellows to continue the investigation on the American Steel and Wire Company agreement. This fellowship was first established on the sixth of February, 1911, and ran two years. The work not being completed, this fellowship was renewed on the same basis by mutual understanding in March of this year.

Department of Farm Management : Miss Zella Miller to be assistant in computation in farm management surveys at a salary of \$45 per month, beginning February 17, 1913 ; D. S. Fox, Instructor in Farm Management at a salary of \$90 per month from March 1 to July 1, 1913; to increase the wages of Miss Ida Savage to \$45 per month beginning April 1, 1913, (Miss Savage had been receiving \$42 per month).

Department of Entomology: Emmett Bramble to be janitor and laboratory helper on the fourth floor of the main building at \$50 per

month, beginning April 1, 1913. The Department of Home Economics having removed from the top floor, the Department of Entomology and Nature-study has been assigned the quarters, which are used for library, laboratories and other purposes.

Department of Dairy Industry : H. S. Merry, tester in the Department of Dairy Industry, closed his connection with the College with the month of March, and Ralph M. Tillou was appointed to take up his work April 1st at a salary of \$60 per month. Leo A. Nobles was appointed at \$55 per month for nine months and \$30 per month for the coming December, January, and February, to take charge of the Lansingville Milk Station, beginning April 16, 1913.

Department of Extension Teaching : Miss Maybelle Outtersen to be a clerk in the mailing-room at \$34 per month to begin February 1, 1913 ; Miss Sue M. Ryder at \$38 per month ; Raymond P. Sanford, \$40 per month, to begin March 1, 1913 ; Mrs. Clara L. Dean, salary increased from \$47 to \$50 per month beginning Jan. 1, 1913. Mrs. Dean is the head stenographer and clerk in the department.

Department of Soil Technology : Dyer B. Lake to be assistant in the introductory laboratory to begin February 1, 1913, at the rate of \$200 for the second term.

Department of Plant Physiology : J. K. Wilson, special assistant in research and extension work from June 20 to September 20, 1913, at a salary of \$100 per month. Mr. Wilson already is employed in the Department of Plant Physiology on a nine months' basis at a salary of \$600 and the privilege of pursuing during the college year his post-graduate studies. Clifford H. Green was appointed laboratory helper at a salary of \$30 per month beginning February 10, 1913.

Department of Animal Husbandry : R. E. Deuel, Instructor in Animal Husbandry has resigned, and in his place T. H. Eaton was appointed Instructor, to begin March 1, 1913, for the the remainder of the college year at the rate of \$1,000 per year.

Department of Farm Mechanics : L. E. Hazen, assistant, beginning with the second term of the present year at a salary of \$600 for nine months.

Department of Chemistry in its Relations to Agriculture : Henry J. Conlon, assistant from February 1, 1913, at a salary of \$400 for nine months.

Department of Horticulture : C. E. Dimon, assistant from April 1 to September 30, 1913, at \$50 per month ; Alfred C. Hottes, assistant in floriculture, at \$50 per month, beginning April, 1913 ; David Murray, gardener, at \$60 per month, April 1 to Sept. 30, 1913.

Department of Pomology : Miss Julia Smith, stenographer, at \$26 per month to begin March 1, 1913.

Department of Plant-Breeding : Eugene E. Barker, assistant from March 1 to the end of the term in June, 1913, at a total salary of \$100.

Department of Rural Education : Miss Louise W. Shurter, resigned, and in her place Miss Fanny Young was appointed stenographer and clerk at a salary of \$45 per month, beginning April 1, 1913.

Department of Poultry Husbandry : Ralph Mosely, assistant from March 1 until October 1, 1913, at a salary of \$65 per month ; O. B. Kent for the second half of the college year at a salary of \$1,000 a year, one-half this salary to be paid from a fellowship recently established with the Poultry Husbandry Association. In this department, the following changes also have been authorized as helpers :

F. E. Andrews at \$35 per month.

M. Entin at \$25 per month.

H. A. Sauer at \$45 per month.

H. T. Harris at \$45 per month.

As student assistants as follows :

G. H. Masland at 25c per hour.

George Pound at 25c per hour.

H. A. D. Leggett at 25c per hour.

L. E. Card at 25c. per hour.

And to advance the following salaries :

F. N. Thurston from \$40 to \$45 per month.

C. J. Perry from \$45 to \$50 per month.

Administration : Miss Edith Munsell to be stenographer and assistant in the editorial office at a salary of \$40 per month beginning February 1, 1913 ; Miss Helen Cass, assistant clerk, at \$34 per month in the Business office in the place of Miss Irene A. Schulth, resigned ; Miss Helen Kennedy, at \$34 per month, beginning March 6, 1913, for Lloyd Tenny's office.

8. The Director presented the following :

New Professorships.

Having consulted with the President of the University, I nominate two new professors :

W. H. Chandler, to be Professor of Research in Pomology, to begin Oct. 1, 1913, at a salary of \$2,500.00. Mr. Chandler is now Assistant Professor of Horticulture in the University of Missouri. He graduated B.S.A., at the University of Missouri in 1905, and took his Master's Degree in 1907.

Lloyd S. Tenny, Professor of Rural Development and State Leader (in cooperation with the U. S. Dept. of Agriculture) in Farm Bureau Demonstration, at a salary of \$500. Mr. Tenny is already stationed at the College by the federal government with a salary of \$2,500 00,

and with the understanding that he will be made a full professor in the College with a salary of \$3,000.00, the College paying him \$500 per year. On the College side, he will have charge of the inspection of the farms and work of former students and others. Mr. Tenny graduated B.A., from the University of Rochester in 1902; he was then engaged for three years in plant pathology work in the U. S. Department of Agriculture, thereafter in field investigations in pomology, chiefly in California, and for the past three years on his fruit farm in Monroe County.

On motion of Acting President Crane the election of the New Professorship as recommended by Director Bailey, was recommended to the Board of Trustees

9. The Director presented the following :

The Enlarged College Year.

For some time, it has been the desire of the Faculty in Agriculture to make the college year match the natural year. The Faculty has now expressed itself as desiring to add a third term which shall comprise the entire time now given to the summer vacation.

It is proposed that no officer shall teach more than nine months in any one year except by special permission of the Director and then only for very exceptional reasons. The whole year's salary is to be paid on a basis of nine months' teaching; but in case any officer teaches for more than nine months he shall receive additional pro rata compensation. This plan of payment is essentially in force at the present time, on authorization of the Board, in connection with the Summer School. The present plan contemplates a summer term of twelve or thirteen weeks rather than one of six weeks, making a perennial college activity.

It is expected that each department shall bear the responsibility of so arranging its staff and organization as to carry its work the entire year; and at the beginning of the year each department is to present to the Director its plan for administering the department for that year, together with a statement as to the persons who are to be absent and the various terms of absence.

This means that as rapidly as possible there shall be in each department at least two persons of approximately equal rank although one of them is to be the administrative head of the department; and, of course, additional teaching force will be necessary to carry the work throughout the twelve months.

The educational side of this plan has not yet been worked out and it is not expected that it will go into operation until the summer term of 1914. This will make the fiscal college year correspond with the

new state fiscal year recommended by the Committee of Inquiry, in case such recommendation is adopted.

On motion the Council recommended the approval of the plan outlined by Director Bailey for the enlarged college year.

10. It was recommended that Professor G. F. Warren be granted a sabbatic leave for the year 1913-14, on the usual terms and conditions.

11. It was recommended that Professor C. H. Tuck be granted a leave of absence from May 15th to October 1, 1913, without prejudice to salary, upon condition that arrangements for carrying on his work be made satisfactory to the Director, and without cost to the College.

12. The matter of changing the first floor and basement of the main Agricultural College Building, was referred to the Agricultural College Building Committee with power.

13. The Director reported the establishment in the College of Agriculture by the Genessee Valley Fruit Growers' Association, of a Fellowship of \$1,000 for two years.

14. The Director presented a provisional budget for 1913-14, based upon the appropriations before the legislature being passed into law, namely :

I.

REGULAR STATE FUNDS.

Chemistry in its Relations with Agriculture.

| | |
|------------------------------|-------------|
| Geo. W. Cavanaugh, Professor | \$ 3,000 00 |
| Lewis J. Cross, Ass't | 2,000 00 |
| Assistance | 2,000 00 |
| Maintenance | 1,000 00 |
| | <hr/> |
| | \$ 8,000 00 |

This Department may need some reorganization at the next meeting of the Council.

Entomology, Biology, Nature-Study, and the Farm.

| | |
|----------------------------------|-------------|
| J. H. Comstock, Professor | \$ 3,000 00 |
| J. G. Needham, | 3,000 00 |
| W. A. Riley, | 3,000 00 |
| G. W. Herrick, | 3,000 00 |
| O. A. Johannsen, Ass't Professor | 2,000 00 |
| J. C. Bradley, | 1,800 00 |
| G. C. Embury, | 1,800 00 |
| Mrs. A. B. Comstock, | 1,500 00 |
| Miss A. C. Stryke, Instructor | 1,000 00 |
| Assistance | 6,000 00 |
| Maintenance | 2,500 00 |
| | <hr/> |
| | \$28,600 00 |

Plant Pathology.

| | |
|--------------------------------|-------------|
| H. H. Whetzel, Professor | \$ 3,500 00 |
| Donald Reddick, " | 3,000 00 |
| Assistance | 9,500 00 |
| Maintenance | 4,000 00 |
| | <hr/> |
| | \$20,000 00 |

Botany.

| | |
|--------------------------------------|-------------|
| K. M. Wiegand, Professor | \$ 3,000 00 |
| Lewis Knudson, Ass't Professor | 2,000 00 |
| _____, " " | 1,500 00 |
| Assistance | 9,500 00 |
| Maintenance | 3,000 00 |
| | <hr/> |
| | \$19,000 00 |

Plant-Breeding.

| | |
|------------------------------------|-------------|
| A. W. Gilbert, Professor | \$ 2,500 00 |
| C. H. Myers, Ass't Professor | 2,000 00* |
| Maintenance and assistance | 5,500 00 |
| | <hr/> |
| | \$10,000 00 |

Soil Technology.

| | |
|--------------------------------------|-------------|
| J. A. Bizzell, Professor | \$ 2,500 00 |
| H. O. Buckman, Ass't Professor | 2,000 00 |
| Maintenance and assistance | 2,800 00 |
| | <hr/> |
| | \$ 7,300 00 |

Farm Practice.

| | |
|--|-------------|
| J. L. Stone, Professor | \$ 3,500 00 |
| L. H. Moulton, Farm Supt. and Instructor | 1,800 00 |
| G. W. Tailby, Farm Foreman | 1,000 00 |
| Maintenance | 8,000 00 |
| | <hr/> |
| | \$14,300 00 |

Farm Management.

| | |
|---------------------------------------|-------------|
| G. F. Warren, Professor | \$ 3,500 00 |
| K. C. Livermore, " | 2,500 00 |
| A. L. Thompson, Ass't Professor | 1,500 00 |
| C. E. Ladd, Instructor | 750 00 |
| D. S. Fox, " | 1,000 00 |
| _____, " | 1,000 00 |
| Maintenance | 5,000 00 |
| | <hr/> |
| | \$15,250 00 |

* This salary to begin July 1, 1913.

Farm Crops.

| | |
|-----------------------------------|-------------|
| E. G. Montgomery, Professor | \$ 3,000 00 |
| Maintenance and assistance | 7,000 00 |
| | <hr/> |
| | \$10,000 00 |

Horticulture.

This Department is in process of reorganization, and recommendations are not yet ready. It should be divided into Floriculture and Vegetable-Gardening.

Pomology.

| | |
|---------------------------------|-------------|
| C. S. Wilson, Professor | \$ 3,000 00 |
| W. H. Chandler, Professor | 2,500 00 |
| R. D. Anthony, Instructor | 1,500 00 |
| Assistance | 3,000 00 |
| Maintenance | 4,000 00 |
| | <hr/> |
| | \$14,000 00 |

Forestry.

| | |
|--|-------------|
| Walter Mulford, Professor | \$ 3,500 00 |
| Samuel N. Spring, " | 3,000 00 |
| A. B. Recknagel, " | 3,000 00 |
| John Bentley, jr., Ass't Professor | 2,000 00 |
| Maintenance and assistance | 4,200 00 |
| | <hr/> |
| | \$15,700 00 |

Animal Husbandry.

| | |
|--|-------------|
| H. H. Wing, Professor | \$ 3,500 00 |
| M. W. Harper, " | 2,500 00 |
| E. S. Savage, " | 2,500 00 |
| G. W. Tailby, jr., Supt. | 1,500 00 |
| T. H. Eaton, Instructor | 1,000 00 |
| _____, " | 1,000 00 |
| C. H. Van Auken, Clerk and Accountant..... | 1,000 00 |
| Maintenance | 19,000 00 |
| | <hr/> |
| | \$32,000 00 |

Poultry Husbandry.

| | |
|-------------------------------------|-------------|
| J. E. Rice, Professor | \$ 3,500 00 |
| C. A. Rogers, Ass't Professor | 2,000 00 |
| W. G. Krum, Assistant | 1,200 00 |
| Assistance | 8,000 00 |
| Maintenance | 6,500 00 |
| | <hr/> |
| | \$21,200 00 |



Dairy Industry.

| | |
|---------------------------------------|-------------|
| W. A. Stocking, jr., Professor | \$ 4,000 00 |
| H. C. Troy, Professor | 2,500 00 |
| H. E. Ross, " | 2,500 00 |
| E. S. Guthrie, " | 2,500 00 |
| ———, Professor of cheese-making | 2,500 00 |
| Assistance | 7,800 00 |
| Maintenance | 13,500 00 |
| | <hr/> |
| | \$35,300 00 |

Home Economics.

| | |
|--|-------------|
| Flora Rose, Professor | \$ 3,000 00 |
| Martha Van Rensselaer, Professor | 3,000 00 |
| ———, Professor Domestic Art | 2,500 00 |
| Mrs. H. B. Young, Ass't Professor ½ time | 900 00 |
| Assistance, | 6,500 00 |
| Maintenance | 3,000 00 |
| | <hr/> |
| | \$18,900 00 |

Rural Engineering.

| | |
|-----------------------------------|-------------|
| H. W. Riley, Professor | \$ 3,000 00 |
| B. B. Robb, Ass't Professor | 1,500 00 |
| Assistance | 3,500 00 |
| Maintenance | 1,500 00 |
| | <hr/> |
| | \$ 9,500 00 |

Rural Economy.

Recommendations to be made later.

Landscape Art.

| | |
|---|-------------|
| Bryant Fleming, Professor, ⅓ time | \$ 900 00 |
| E. G. Davis, Ass't Professor | 1,800 00 |
| ———, " " | 1,800 00 |
| C. E. Hunn, Foreman of Grounds | 1,200 00 |
| Assistance | 1,200 00 |
| Maintenance | 1,000 00 |
| | <hr/> |
| | \$ 7,900 00 |

Drawing.

| | |
|------------------------------------|-------------|
| W. C. Baker, Ass't Professor | \$ 2,000 00 |
| J. E. Reyna, Instructor | 1,000 00 |
| Maintenance | 300 00 |
| | <hr/> |
| | \$ 3,300 00 |

Rural Education.

| | |
|---|-------------|
| Alice G. McCloskey, Ass't Professor | \$ 2,000 00 |
| Assistance | 1,800 00 |
| Maintenance | 2,500 00 |
| | <hr/> |
| | \$ 6,300 00 |

Meteorology.

| | |
|-------------------------------|-----------|
| W. M. Wilson, Professor | \$ 500 00 |
| Maintenance | 200 00 |
| | <hr/> |
| | \$ 700 00 |

Library.

| | |
|--|-------------|
| Librarian | \$ 1,500 00 |
| A. J. Lamoureux, Assistant | 900 00 |
| Supplies, books, magazines, binding and other maintenance | 2,000 00 |
| | <hr/> |
| | \$ 4,400 00 |

Administration.

| | |
|---|--------------|
| L. H. Bailey, Director | \$ 6,000 00 |
| A. R. Mann, Secretary, Registrar, Editor | 3,000 00 |
| Lloyd S. Tenny, Professor of Rural Develop- ment | 500 00 |
| George W. Parker, Clerk | 1,300 00 |
| Maintenance; to provide for extra instruction in physics, chemistry, etc.; and unappro- priated | 137,550 00 |
| Making a total of | <hr/> <hr/> |
| | \$450,000 00 |

Conditional Extension Program.

Oct. 1, 1913-Sept. 30, 1914.

| | |
|---|-------------|
| C. H. Tuck, Professor of Extension Teaching | \$ 3,000 00 |
| R. H. Wheeler, Ass't Professor of Extension Teaching | 2,000 00 |
| Royal Gilkey, Supervisor Mailing Division and Reading- courses | 1,800 00 |
| E. O. Fippin, Extension Professor of Soil Technology | 3,000 00 |
| Surveys and maintenance | 3,000 00 |
| M. F. Barrus, Ass't Extension Prof. Plant Pathology | 2,000 00 |
| Maintenance and assistance | 2,000 00 |

| | |
|---|-------------|
| C. R. Crosby, Extension Professor of Entomology----- | 2,500 00 |
| Maintenance----- | 500 00 |
| H. B. Knapp, Ass't Extension Professor of Pomology ---- | 1,500 00 |
| Maintenance----- | 500 00 |
| H. A. Hopper, Extension Prof. of Animal Husbandry---- | 2,500 00 |
| Maintenance----- | 500 00 |
| H. L. Ayres, Extension Instructor in Dairy Industry---- | 1,600 00 |
| Maintenance----- | 500 00 |
| Extension Teaching Department, maintenance and assistance----- | 30,000 00 |
| Director's office and unappropriated----- | 13,100 00 |
| | <hr/> |
| | \$70,000 00 |

III.

PARTIAL PROGRAM OF FEDERAL FUNDS.

July 1 to June 30.

| | |
|-----------------|--------------|
| Hatch Fund----- | \$ 13,500 00 |
| Adams Fund----- | 13,500 00 |
| | <hr/> |
| | \$ 27,000 00 |

Soil Technology.

| | |
|---|-------------|
| T. L. Lyon, Professor of Soil Technology----- | \$ 3,500 00 |
| Assistance----- | 1,800 00 |
| E. W. Leland, Assistant in Soil Technology-- | 900 00 |
| Ruth Landon, one-half time----- | 228 00 |
| Maintenance----- | 5,300 00 |
| | <hr/> |
| | \$11,728 00 |

Plant-Breeding.

| | |
|---|-------------|
| -----, Professor of Plant-Breeding---- | \$ 4,000 00 |
| H. H. Love, " " " | 2,500 00 |
| W. T. Craig, Assistant " " | 1,300 00 |
| Maintenance and assistance----- | 3,928 00 |
| | <hr/> |
| | \$11,728 00 |
| Director's Office and Unappropriated----- | 3,544 00 |
| | <hr/> |
| | \$27,000 00 |

IV.

OTHER FUNDS.

There still remain the Nelson Fund of \$10,000 and the Congressional Industrial Fund of \$10,000.

For several years the Nelson Fund has been appropriated toward a Department of Rural Education. We have not yet been able to secure a head for this department, although we have been active for two or three years in looking up men. We are now in negotiation with Professor O. W. Caldwell of the School of Education of the University of Chicago, but he has not yet decided whether he would care to come to Cornell, and pending this decision I desire to withhold any recommendations as against this \$10,000 of the Nelson Fund.

Neither am I yet ready to make any formal recommendation as against the \$10,000 of the Congressional Industrial Fund. Heretofore, we have paid from this fund three salaries of \$3,000 each and the remaining \$1,000 has been used for library purposes in the College of Agriculture. I shall have a recommendation to make against this fund at the June meeting of the Council.

15. Recommended to the Board of Trustees that the tuition in the College of Agriculture to students from outside the State of New York, be the same as fixed in the College of Arts and Sciences, viz from and after July, 1914, \$125.

On motion adjourned,

E. L. WILLIAMS,
Secretary.

20. A letter under date of April 3, 1913, from Mr. Albert J. Himes, of Cleveland, Ohio, addressed to the Board of Trustees was read.

21. A letter from the Cornell Co-operative Society under date of May 2, 1913, in regard to the erection upon the Campus of a building suitable for its needs, was referred to the Executive Committee to consider and report.

22. *Resolved*, That the Trustees of Cornell University extend to Dr. James Law and to Mrs. Law on the occasion of the fiftieth anniversary of their marriage, their felicitations on this happy event.

Their association with the University life extends over its entire history and their work and influence upon that life have been so beneficial as to leave a marked and lasting impress for good.

We send to them our hearty wish for their unclouded happiness upon their Golden Wedding Day, and the sincere expression of our hope that they may long continue together to exert their benign and gracious influence upon the University community.

23. Mrs Moody being unable to represent the University at the commemoration of the twenty-fifth anniversary of the founding of the College for Women, Western Reserve University, on the nomination of the Acting President, Mrs. Gertrude S. Martin was appointed delegate for that purpose.

24. On the nomination of Acting President Crane, Professor Charles L. Crandall was appointed a delegate to represent the University at the dedication of the Transportation Building and Locomotive and Mining Laboratories of the University of Illinois, on May 8th and 9th, 1913.

25. Trustee Beahan gave notice that at the June meeting of the Board he would present and move the following resolutions :

(a) *Resolved*, That when the Appropriation Committee finds it cannot allow the request of a Dean or other officer for an amount of money for this work, they shall give a hearing before passing upon the appropriation.

That, to conform to this conception of the duties of the Appropriation Committee, the Committee be henceforth designated as the Budget Committee.

(b) *Resolved*, That the Executive Committee of the Board of Trustees of Cornell University as now constituted be discontinued, and a Committee of Administration be organized to consist of three Trustees, not more than one of whom shall reside in Tompkins County, New York, and not more than one of whom shall reside in the City of Greater New York. The Committee of Administration shall meet regularly as deemed necessary and for other meetings shall meet subject to the call of its Chairman.

26. In the discussion of the budget proposed by the Appropriations Committee, the following statement which is approximately correct was presented.

TABLE SHOWING THE NUMBER OF STUDENTS FOR THE YEARS 1903-1913, WITH THE NUMBERS OF THE TEACHING FORCE, SALARIES, TOTAL, COST PER YEAR AND PER STUDENT

| | '03-04 | '04-05 | '05-06 | '06-07 | '07-08 | '08-09 | '09-10 | '10-11 | '11-12 | '12-13 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Students* ----- | 2670 | 2795 | 2911 | 2977 | 3218 | 3517 | 3750 | 3872 | 4021 | 4106 |
| Full Professors ---- | 49 | 48 | 46 | 54 | 56 | 61 | 70 | 79 | 79 | 75 |
| Asst. Professors---- | 38 | 47 | 57 | 53 | 51 | 50 | 47 | 50 | 53 | 62 |
| Instructors ----- | 82 | 83 | 111 | 116 | 112 | 116 | 130 | 131 | 130 | 122 |
| Salaries— Teaching Force ----- | \$332,734 | \$339,145 | \$362,495 | \$378,032 | \$400,687 | \$429,220 | \$462,046 | \$481,381 | \$490,716 | \$524,026 |
| Average total salary per student ----- | \$124 | \$121 | \$124 | \$127 | \$124 | \$122 | \$123 | \$124 | \$122 | \$127 |
| No. of students per full Professor---- | 54 | 58 | 63 | 55 | 57 | 58 | 53 | 49 | 50 | 54 |
| No. of students per Asst. Professor -- | 70 | 59 | 53 | 54 | 63 | 70 | 80 | 77 | 76 | 66 |
| No. of students per Instructor.----- | 33 | 33 | 26 | 25 | 29 | 30 | 28 | 30 | 31 | 34 |
| No. of students per total Profs., Asst. Profs. & Instruct'rs | 16 | 15 | 13 | 13 | 14 | 15 | 15 | 15 | 15 | 16 |

* The number of students for the various years named, do not include third and fourth year Agricultural, Veterinary, or New York Medical students.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't. Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., May 13, 1913.

Present—Trustees, Van Cleef, Blood, Cornell, Newman, Treman, C. E., Treman, R. H., White and Williams. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the chair.

Action was taken as follows :

1. Chairman Blood of the Committee on Grounds reported that he had arranged with Mr. Charles N. Lowrie, to act as Landscape Adviser for the University Grounds, for one year, in consideration of \$450 to cover services and expenses.

2. On the nomination of Acting President Crane, Charles V. Smith, and H. W. Elley, were appointed Assistants in Chemistry for the year 1913-14, each with a salary of \$400.

3. On the nomination of the Acting President, Archibald M. Erskine, was appointed Assistant in Chemistry, for the balance of the current academic year, from May 1, 1913, with salary at the rate of \$300 per year, vice L. D. Elliott, resigned.

4. Mrs. Gertrude S. Martin was reappointed Adviser of Women for the year 1913-14, at a salary of \$2,000.

5. Nathaniel Lester, was appointed Assistant Law Librarian from May 14th, for the balance of the current academic year, with salary at the rate of \$100 a year, without free tuition, vice Fred Dobmeier, resigned.

6. The matter of the sale to the State of the collection of Court of Appeals Cases and Briefs now in the Law Library was referred to the committee appointed by the Full Board, upon the College of Law.

7. The Acting President was authorized to grant in his discretion a Chinese Scholarship for four years, to Henry C. Kim a Korean, provided he was satisfied as to the merits of the young man, and subject to his satisfying entrance requirements.

8. The question of the advisability of printing some or all of the University publications in Spanish, for distribution in Central and

South America, was referred to the Acting President and the Treasurer to investigate and report.

9. Leave of absence was granted to Professor A. W. Browne for the second term of the College year 1913-14, without prejudice to salary, under the statute governing sabbatic leaves, on condition that his work can be carried on to the satisfaction of the President without additional cost to the University.

10. The details as to printing the pamphlet on the needs of Residential Halls, was referred to the Acting President with power.

11. A request from Professor Sampson for additional office room for the Faculty of the Department of English, was referred to the Chairman of the Building Committee, the Acting President and the Treasurer.

12. In regard to the application of the Cornell Co-operative Society for permission to build a building for its use upon the campus, which was referred by the Full Board to the Executive Committee,

It was *resolved*, that the chair appoint a committee of three to investigate the organization, etc. of the Co-operative Society, and to consider sites which might be available, and report to this committee upon the advisability of the proposition.

The Chair appointed, Trustees, Blood, White and Williams.

13. *Resolved* that E. L. Williams, Treasurer of Cornell University, be and he hereby is authorized to sell, assign and transfer, Chicago, Rock Island and Pacific Railroad Co., 1st Mortgage, 6% Registered bonds, due July 1, 1917, Nos. 5451 to 5455 inclusive, being five bonds of \$5,000 each, standing in the name of Cornell University, and to affix the corporate seal of the University to such transfer.

14. The matter of securing the audit of the Treasurer's account, by certified accountants, was referred to Mr. Newman, of the Auditing Committee and the Treasurer with power.

15. An application from Professor Wing for permission to erect a garage on the northeast corner of the lot leased by him on Reservoir Ave., was referred to the chairman of the Committee on Grounds and the Treasurer with power.

16. *Resolved*, that the first order of business at the meeting of the Executive Committee on Tuesday next, be the consideration of the University Statutes.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Sec'y.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., May 20, 1913.

Present—Trustees Van Cleef, Williams, Newman, Blood, Treman, R. H., and Treman, C. E. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the chair.

Minutes of the meeting of May 13, 1913, were read and approved.

Action was taken as follows :

1. The following was presented.

CONKLING CHAPTER
LEGAL FRATERNITY OF PHI DELTA PHI
ITHACA, N. Y.

1 July, 1913.

*Hon. T. F. Crane,
Acting President, Cornell University,
Ithaca, N. Y.*

Dear Sir :

The Conkling Chapter of the Legal Fraternity of Phi Delta Phi hereby tenders to Cornell University the sum of seven hundred dollars (\$700.00) for the establishment of a fund, the income from which is to be used for the purpose of providing special lectures in the College of Law, in addition to all such lectures as are customarily provided for by the University.

It is the wish of the Chapter :

1. That these lectures be known as THE FRANK IRVINE LECTURES, FOUNDED BY THE CONKLING CHAPTER OF PHI DELTA PHI.

2. That the lecturers be chosen and the time and place of giving the lectures be determined by a committee consisting of (a) the Dean of the College of Law, (b) a professor in the Faculty of Law to be named annually by the Conklin Chapter of Phi Delta Phi, and (c) the Consul, or other chief executive officer of such Chapter. If for any reason the said committee shall not exist or shall fail to act, then and in that event the power of choosing the lecturers and determining the time and place of giving the lectures shall devolve upon the Dean of the College of Law. The selection of lecturers shall, in any event, be subject to the same control of the University as is exercised in the selection of other special lecturers in the College of Law.

3. That the Conklin Chapter of Phi Delta Phi have the privilege of adding to such fund from time to time.

The Conkling Chapter of Phi Delta Phi,
FREDERIC A. PEEK,
Consul.
JAMES C. O'BRIEN,
Proconstl.

Resolved, That the Acting President express to the Conkling Chapter of Phi Delta Phi, the appreciation of the Trustees of their generous gift, and that this committee recommend to the Full Board the acceptance of the fund.

2. On the nomination of the Acting President, Professor I. P. Church, was appointed to represent the University at the celebration of the Fiftieth Anniversary of the founding of St. Luke's School, Wayne, Penn., on June 10th, 1913.

3. The Treasurer was authorized to advance to Assistant Professor E. P. Andrews, \$200 from his appropriation, to be expended by him in purchases for his department, while abroad.

4. An application from Professor Willcox for permission to build a garage on his lot upon the campus, was referred to the Chairman of the Committee on Grounds, with power.

5. A communication from Lieut. Bull, in regard to making the request for an appropriation for an Armory, the principal request before the next legislature, was referred to the Full Board.

6. The following was presented, and on motion approved, and the recommendations therein contained adopted, and appointments made as recommended.

CORNELL UNIVERSITY MEDICAL COLLEGE COUNCIL.

Meeting, April 19th, 1913.

Present—Acting President Crane, Mr. Place, Doctors Polk, Stimson and Thompson.

A letter from the Secretary of the Board of Trustees advising of the approval of all the recommendations of the Medical College Council March 29th, 1913, was presented and placed on file.

Moved and carried that the Medical College Council make recommendations to the Board of Trustees as follows :

1. That the salary list of Professors and Instructors for the year 1913-14 be adopted as follows :

(Owing to changes needed in the Department of Clinical Pathology this Budget is withheld, in accordance with a letter to the President.)

2. That negotiations be continued for the sale of the Medical College property 408-412 East 26th Street, with reservation of twenty-five (25) feet on basis of report on valuations made through Mr. Ickelheimer.

3. That the name of Doctor Harmon Smith be recommended for appointment to the position of Professor of Clinical Surgery, Department of Laryngology and Rhinology.

4. That the sum of \$100 be appropriated to pay Doctor J. A. Hartwell for services rendered the College.

5. That the sum of \$800 or so much of it as may be necessary be appropriated for the purchase and installation of an Ice Plant to be operated in connection with our refrigerating system.

The Dispensary reports for the month of March, 1913, were presented and placed on file.

The meeting then adjourned.

J. THORN WILSON,
Secretary of the Council.

CORNELL UNIVERSITY MEDICAL COLLEGE COUNCIL.

Meeting, May 17th, 1913.

Present—Acting President Crane, Mr. Place, Doctors Polk, Stimson and Thompson.

The minutes of the Council Meeting of April 19th, 1913, were read and approved.

The report of Doctor S. R. Benedict on the fire which occurred in the Students' Chemical Laboratory on April 19th, 1913, was presented and placed on file.

Moved and carried that the Medical College Council make recommendations to the Board of Trustees as follows :—

1. That the salary list of Professors and Instructors for the College year 1913-1914 as presented, amounting to \$118,030 be approved.

2. That the complete Budget for the year 1913-1914 amounting to \$211,599.50 be approved as submitted.

3. That a leave of absence be granted to Doctor T. H. Coffen from April 12th, 1913, until the end of the session without prejudice to salary, with the understanding that he will make good the time so granted.

4. That the Fellowship in Medicine be given to Doctor Rae Wygatt Whidden at a salary of \$200 a year.

5. That a leave of absence be granted Doctor Ethel Hitchcock from June 15th, 1913, to August 1st, 1913, and that her salary be transferred to Doctor Caroline Rosenberg as substitute.

6. That Doctor James Ewing's proposition for the manufacture and sale of serum for the treatment of Canine Distemper be accepted and that Doctor Torrey receive fifty (50%) per cent of the revenue over \$500.

7. That Doctor Carl J. Wiggers, Instructor in Physiology, be made an Assistant Professor of Physiology.

8. That in providing for the position of Instructor in Operative Surgery the title in connection with that position shall be Assistant Professor of Operative Surgery.

9. That Doctor Charlton Wallace be nominated for Assistant Professor of Orthopedic Surgery.

10. That the Council approve the recommendations of the Faculty for the establishment of a School of Public Health and recommend to the Board of Trustees the establishment of such a course as soon as the finances of the College permit.

11. That an appropriation not to exceed \$600 be made to fit up the Histological Laboratory on the Fifth Floor and to provide for the establishment of a students' library on the Fourth Floor in the room now being used as a Histological Laboratory.

12. That in conformity with the resolution of March 22nd, 1902, the following fees be paid to the following instructors :

| | | | | | | | |
|-------------------------|----|---------|---|---------|--------|----|------------|
| Doctor Gudernatsch..... | 1 | student | @ | \$10 00 | ----- | \$ | 10 00 |
| Doctor Clark..... | 15 | " | @ | 10 00 | }----- | | 170 00 |
| | 1 | " | @ | 20 00 | | | |
| Doctor Stockard | 9 | " | @ | 25 00 | }----- | | 350 00 |
| | 1 | " | @ | 50 00 | | | |
| | 1 | " | @ | 75 00 | | | |
| Doctor L'Esperance..... | 1 | " | @ | 20 00 | ----- | | 20 00 |
| Doctor Wheeler..... | 16 | " | @ | 25 00 | ----- | | 400 00 |
| Doctor Schultze..... | 1 | " | @ | 25 00 | ----- | | 25 00 |
| Doctor Heimann | 2 | " | @ | 37 50 | ----- | | 75 00 |
| Doctor Edgerton..... | 1 | " | @ | 25 00 | ----- | | 25 00 |
| Doctor Lyle..... | 1 | " | @ | 30 00 | ----- | | 30 00 |
| Doctor Thro | 3 | " | @ | 25 00 | ----- | | 75 00 |
| Doctor Hatcher | 1 | " | @ | 25 00 | ----- | | 25 00 |
| | | | | | | | <hr/> |
| | | | | | | | \$1,205 00 |

The report of the annual inspection of the Cornell University Medical College Dispensary by the State Board of Charities was presented and placed on file.

Dispensary reports for the month ending April 30th, 1913, were presented and placed on file.

Moved and carried that the minutes of this meeting be approved as read.

The meeting then adjourned.

J. THORNE WILLSON,
Secretary of the Council.

NEW YORK MEDICAL APPOINTMENTS 1913-1914.

| | 1912-1913 | 1913-1914 | Increase | Decrease |
|--|----------------|----------------|--------------|--------------|
| <i>Medicine.</i> | | | | |
| W. Gilman Thompson, M.D., Professor of Medicine | \$ 4,000 | \$ 4,000 | | |
| Lewis A. Conner, M.D., Professor of Clin. Med. | 300 | 300 | | |
| Walter L. Niles, M.D., Ass't Prof. Clin. Med. (Quiz) | 600 | 600 | | |
| (Ward) | 400 | 600 | \$ 200 | |
| William H. Sheldon, M.D., Inst. in Medicine & Chief of Clinic.... | 800 | 800 | | |
| Frederick L. Keays, M.D., Inst. in Physical Diag. | 500 | 500 | | |
| Montgomery H. Sicard, M.D., Inst. in Phys. Diag. | 500 | 500 | | |
| John S. Kenny, M.D., Ass't in Med. & Physician to the Dispensary.. | 300 | 300 | | |
| Rolfe Floyd, M.D., Inst. in Clinical Medicine | 100 | 100 | | |
| Charles E. Nammack, M.D., Prof. Clinical Medicine | 150 | | | 150 |
| B. Raymond Hoobler, M.D., Inst. in Clinical Path. | 700 | 700 | | |
| (Apprpr. Oct. 19, 1913) | 200 | | | 200 |
| | <hr/> \$ 8,550 | <hr/> \$ 8,400 | <hr/> \$ 200 | <hr/> \$ 350 |
| <i>Fellows in Medicine.</i> | | | | |
| R. W. Whidden, M.D., Fellow in Medicine | 200 | 200 | | |
| B. Davidson, M.D., Fellow in Med. . | 200 | 200 | | |
| L. A. Wing, M.D., X-Ray Fellow in Med. | 250 | 250 | | |
| | <hr/> \$ 9,200 | <hr/> \$ 9,050 | <hr/> \$ 200 | <hr/> \$ 350 |
| Alexander Lambert, M.D., Prof. Clin. Medicine | 100 | | | 100 |
| (Apprpr. Jan. 18, 1913) | | | | |
| | <hr/> \$ 9,300 | <hr/> \$ 9,050 | <hr/> \$ 200 | <hr/> \$ 450 |
| Nellis B. Foster, M.D., Inst. in Clin. Med. | 400 | 800 | 400 | |
| (Apprpr. Feb. 22, 1913) | | | | |
| ———, Clin. Ass't in Med. .. | 300 | 600 | 300 | |
| Ralph D. Stillman, M.D., Inst. in Clin. Med. | 250 | 250 | | |
| (Apprpr. Feb. 22, 1913) | | | | |

Joseph C. Roper, M.D., Inst. in Clin.

| | | | | |
|----------------------------|-----|-----|--|--|
| Med. Dept. Pediatrics..... | 250 | 250 | | |
| (Appropri. Feb. 22, 1913) | | | | |
| (see Dept. Pediatrics) | | | | |

| | | | | |
|------------------------|-----------|-----------|--------|--------|
| | \$ 1,200 | \$ 1,900 | \$ 700 | |
| Dept. of Medicine..... | 9,300 | 9,050 | 200 | \$ 450 |
| | \$ 10,500 | \$ 10,950 | \$ 900 | \$ 450 |

Clinical Pathology.

Thomas W. Hastings, M.D., Prof.

| | | | | |
|--------------------|----------|----------|--|--|
| Clin. Pathol. | \$ 2,000 | \$ 2,000 | | |
|--------------------|----------|----------|--|--|

William C. Thro, M.D., Ass't Prof.

| | | | | |
|-----------------|-------|-------|--|--|
| Clin. Med. | 1,800 | 1,800 | | |
|-----------------|-------|-------|--|--|

| | | | | |
|--------------------------------|-----|--|--|--------|
| ———, Inst. in Clin. Pathol. .. | 900 | | | \$ 900 |
| (formerly Dr. Coffen) | | | | |

Hans J. Schwartz, M.D., Inst. in

| | | | | |
|------------------|-------|-------|--|--|
| Clin. Path. | 1,000 | 1,000 | | |
|------------------|-------|-------|--|--|

| | | | | |
|-------------------------------|-----|-----|--|--|
| ———, Inst. Clin. Pathology .. | 600 | 600 | | |
|-------------------------------|-----|-----|--|--|

| | | | | |
|-----------------------|-----|--|--|-----|
| “ Spec. Chemist. | 900 | | | 900 |
|-----------------------|-----|--|--|-----|

John H. Richards, M.D., Inst. in

| | | | | |
|------------------|-------|-------|--|--|
| Clin. Path. | 1,000 | 1,000 | | |
|------------------|-------|-------|--|--|

| | | | | |
|--------------------------------|-----|--|--|-----|
| ———, Path. Intern. Bellevue .. | 300 | | | 300 |
|--------------------------------|-----|--|--|-----|

| | | | | |
|--|----------|----------|--|---------|
| | \$ 8,500 | \$ 6,400 | | \$2,100 |
|--|----------|----------|--|---------|

Therapeutics.

Frank S. Meara, M.D., Prof. of

| | | | | |
|--------------------|----------|----------|--|--|
| Therapeutics | \$ 3,000 | \$ 3,000 | | |
|--------------------|----------|----------|--|--|

Malcolm Goodridge, M.D., Inst. in

| | | | | |
|--------------------|-----|-----|--------|--|
| Therapeutics | 600 | 700 | \$ 100 | |
|--------------------|-----|-----|--------|--|

Albert C. Crehore, M.D., Inst. in

| | | | | |
|--------------------|-----|--|--|-----|
| Therapeutics | 500 | | | 500 |
|--------------------|-----|--|--|-----|

(Appropri. Jan. 18, 1913)

| | | | | |
|--|----------|----------|--------|--------|
| | \$ 4,100 | \$ 3,600 | \$ 100 | \$ 500 |
|--|----------|----------|--------|--------|

Applied Pharmacology.

Warren Coleman, M.D., Prof. Appld.

| | | | | |
|-------------------------------|----------|----------|--|--|
| Pharm. & Clin. Medicine | \$ 1,200 | \$ 1,200 | | |
|-------------------------------|----------|----------|--|--|

Eugene F. DuBois, M.D., Inst. in

| | | | | |
|--------------------|-------|-------|--|--|
| Appld. Pharm. | 1,800 | 1,800 | | |
|--------------------|-------|-------|--|--|

| | | | | |
|--|----------|----------|--|--|
| | \$ 3,000 | \$ 3,000 | | |
|--|----------|----------|--|--|

Surgery.

Lewis A. Stimson, M.D., Professor

| | | | | |
|------------------|----------|----------|--|--|
| of Surgery | \$ 4,000 | \$ 4,000 | | |
|------------------|----------|----------|--|--|

George Woolsey, M.D., Prof. Clin.

| | | | | |
|---------------|-------|-----|--|--------|
| Surgery | 1,000 | 750 | | \$ 250 |
|---------------|-------|-----|--|--------|

| | | | | |
|---|------------|------------|----------|----------|
| Charles L. Gibson, M.D., Adjunct Prof. of Surgery ----- | 250 | 500 | 250 | |
| James M. Hitzrot, M.D., Ass't Prof. Clinical Surgery ----- | 400 | 400 | | |
| J. P. Hoguet, M.D., Inst. in Sur.--- | 200 | 200 | | |
| Burton J. Lee, M.D., Inst. in Clin. Surgery ----- | 250 | 250 | | |
| Seward Erdman, M.D., Inst. in Clin. Surgery ----- | 250 | 250 | | |
| Alfred S. Taylor, M.D., Lecturer on Surgery ----- | 50 | 50 | | |
| Arthur E. Hoag, M.D., Inst. in Sur. Surgeon to the Dispensary ----- | 200 150 | 200 150 | | |
| Lucius A. Wing, M.D., Surgeon to the Disp. & Clin. Inst. in Sur.-- | 150 | 150 | | |
| -----, Inst. in Op. Surgery (formerly Dr. Lyle) | 300 | 300 | | |
| -----, Ass't in Op. Surgery (Appopr. Jan. 18, 1913) (formerly Dr. Santee) | 50 | | | 50 |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| <i>Pathology.</i> | \$ 7,250 | \$ 7,200 | \$ 250 | \$ 300 |
| James Ewing, M.D., Prof. Pathology | \$ 7,000 | \$ 7,000 | | |
| Otto H. Schultze, M.D., Ass't Prof. Path. Anat. & Prof. Medico- Legal Path. ----- | 2,250 | 2,500 | 250 | |
| (Appopr. Oct. 19, 1913) | | | | |
| William J. Elser, M.D., Prof. Bacteri- ology ----- | 3,500 | 3,500 | | |
| Max G. Schlapp, M.D., Ass't Prof. Neuro-Path. ----- | 1,200 | 700 | | 500 |
| Frank M. Huntoon, M.D., Inst. in Bacteriology ----- | 2,250 | 2,250 | | |
| Elise S. L'Esperance, M.D., Inst. in Pathology ----- | 800 | 800 | | |
| Librarian ----- | 300 | 300 | | |
| -----, Ass't. in Path. Anat. -- (formerly Dr. Sampson) | 500 | 500 | | |
| James B. Gere, M.D., Ass't in Neuro- Path. ----- | 500 | 1,000 | 500 | |
| -----, Ass't Prof. of Pathol. -- (Appopr. Oct. 12, 1913) | 2,500 | | | 2,500 |
| William H. Tytler, M.D., Inst. in Pathology ----- | | 800 | 800 | |
| (Appopr. Oct. 12, 1913) | | | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 20,800 | \$ 19,350 | \$ 1,550 | \$ 3,000 |

Experimental Pathology.

| | | | | |
|---|----------|----------|---------|--|
| J. C. Torrey, Ph.D., Ass't Prof. Exp. Path. & Lecturer on Hygiene | \$ 3,000 | \$ 3,000 | | |
| Oscar Teague, M.D., Ass't in Exp. Path. | | 1,200 | \$1,200 | |
| (Appropriated Oct. 19, 1912) | | | | |
| A. H. Rahe, Ass't in Exp. Path. | 600 | 600 | | |
| | \$ 3,600 | \$ 4,800 | \$1,200 | |

The unused salary of the Ass't Prof. was reappropriated as follows:

| | |
|--------------|----------------|
| Dr. Schultze | \$ 250 |
| Dr. Tytler | 800 |
| Dr. Teague | 1,200 |
| Balance | 250 |
| | <u>\$2,500</u> |

Obstetrics.

| | | | | |
|--|----------|----------|--|--|
| J. C. Edgar, M.D., Prof. of Obstetrics & Clin. Midwifery | \$ 3,000 | \$ 3,000 | | |
| George D. Hamlen, M.D., Inst. in Obstetrics | 200 | 200 | | |
| Harold C. Bailey, M.D., Inst. in Obstetrics | 800 | 800 | | |
| | \$ 4,000 | \$ 4,000 | | |

Physiology.

| | | | | |
|---|----------|----------|--|--|
| Graham Lusk, Ph.D., Professor of Physiology | \$ 6,000 | \$ 6,000 | | |
| John R. Murlin, Ph.D., Ass't Prof. Physiology | 3,000 | 3,000 | | |
| Carl J. Wiggers, M.D., Inst. in Physiology | 2,500 | 2,500 | | |
| J. A. Riche, Ass't in Physiology | 1,200 | 1,200 | | |
| | \$12,700 | \$12,700 | | |

Pharmacology.

| | | | | |
|--|----------|----------|--------|--------|
| R. A. Hatcher, M.D., Professor of Pharmacology | \$ 3,500 | \$ 3,500 | | |
| Cary Eggleston, M.D., Inst. in Mat. Medica | 500 | 800 | \$ 300 | |
| Inst. in Pharmacology | 1,000 | 1,000 | | |
| ———, Inst. in Mat. Medica | 300 | | | \$ 300 |
| | \$ 5,300 | \$ 5,300 | \$ 300 | \$ 300 |

Chemistry.

| | | | | |
|---|----------|----------|--------|--|
| S. R. Benedict, Ph.D., Professor of Chemistry | \$ 2,500 | \$ 3,000 | \$ 500 | |
| Ernest D. Clark, M.D., Inst. in Chemistry | 1,000 | 1,200 | 200 | |
| E. Osterberg, Inst. in Chemistry | 1,200 | 1,200 | | |
| | \$ 4,700 | \$ 5,400 | \$ 700 | |

Gynecology.

| | | | | |
|---|----------|----------|-------|-------|
| W. M. Polk, M.D., Prof. Clin. Surg. Dept. Gynecology ----- | \$ 4,000 | \$ 4,000 | | |
| Charles C. Barrows, M.D., Asst. Prof. Clin. Surg., Dept. Gynecology-- | 200 | 200 | | |
| George G. Ward, Jr., M.D., Inst. in Clin. Surg., Dept. Gynecology-- | 300 | 300 | | |
| George D. Hamlen, M.D., Chief of Clinic & Clinic. Inst. in Surgery Dept. Gynecology ----- | 200 | 200 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 4,700 | \$ 4,700 | | |

Dermatology.

| | | | | |
|--|--------|--------|-------|-------|
| George T. Elliot, M.D., Prof. Clin. Surg., Dept. of Dermatology --- | \$ 300 | \$ 300 | | |
| James C. Johnston, M.D., Ass't. Prof. Clin. Surg., Dept. Dermatology-- | 200 | 200 | | |
| Hans J. Schwartz, M.D., Inst. in Clin. Surg., Dept. Dermatology, Sur- geon to the Dispensary ----- | 100 | 100 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 600 | \$ 600 | | |

Laryngology and Rhinology.

| | | | | |
|---|--------|--------|-------|-------|
| Harmon Smith, M.D., Prof. Clinic. Surg., Dept. Laryngol. & Rhinol. \$ | 300 | \$ 300 | | |
| Franklin Burke, M.D., Clinic. Inst. in Surgery & Chief of Clinic, Dept. Laryngol. & Rhinol. ----- | 200 | 200 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 500 | \$ 500 | | |

Pediatrics.

| | | | | |
|--|--------|--------|-------|-------|
| Joseph E. Winters, M.D., Prof. Clin. Medicine, Dept. Pediatrics ----- | \$ 300 | \$ 300 | | |
| William Shannon, M.D., Clin. Inst. in Med., Dept. of Pediatrics ----- | 200 | 200 | | |
| William D. Tyrrell, M.D., Clin. Inst. in Med. & Phys. to the Dispens- ary, Dept. of Pediatrics ----- | 200 | 200 | | |
| Joseph C. Roper, M.D., Inst. in Clin. Medicine, Dept. of Pediatrics --- (see N. Y. Hosp. Appopr.) | 100 | 100 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 800 | \$ 800 | | |

Urology.

| | | | | |
|---|--------|--------|-------|-------|
| Edward L. Keyes, Jr., M.D., Prof. Clin. Surgery, Dept. Urology --- | \$ 500 | \$ 500 | | |
| Francis C. Edgerton, M.D., Clin. Inst. in Surgery & Chief of Clinic, Dept. of Urology ----- | 300 | 300 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 800 | \$ 800 | | |

Ophthalmology.

| | | | | |
|--|--------|--------|-------|-------|
| Robert G. Reese, M.D., Prof. Clin. Surgery, Dept. Ophthalmology .. | \$ 300 | \$ 300 | | |
| John M. Wheeler, M.D., Clin. Inst. in Surgery, & Surgeon to the Dispen., Dept. Ophthalmology-- | 200 | 200 | | |
| George W. Vandegrift, M.D., Clin. Inst. Surgery, & Surgeon to the Dispen., Dept. Ophthalmology | 200 | 200 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 700 | \$ 700 | | |

Otology.

| | | | | |
|---|--------|--------|-------|-------|
| Frederick Whiting, M.D., Prof. Clin. Surgery, Dept. of Otology----- | \$ 300 | \$ 300 | | |
| George B. McAuliffe, M.D., Clinic. Inst. in Surgery, & Chief of Clinic, Dept. of Otology----- | 200 | 200 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 500 | \$ 500 | | |

Neurology.

| | | | | |
|--|----------|----------|-------|-------|
| Charles L. Dana, M.D., Prof. Clinic. Medicine. Dept. of Neurology .. | \$ 500 | \$ 500 | | |
| Joseph Fraenkel, M.D., Ass't Prof. Clin. Med., Dept. of Neurology-- | 200 | 200 | | |
| Foster Kennedy, M.D., Inst. in Clin. Med., & Chief of Clinic, Dept. of Neurology ----- | 300 | 300 | | |
| A. S. Leverty, M.D., Clin. Inst. in Med., Dept. of Neurology & Phys. to the Dispensary ----- | 150 | 150 | | |
| -----, Clin. Inst. in Med., Dept. of Neurology ----- | 50 | 50 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 1,200 | \$ 1,200 | | |

Exp. Therapeutics.

| | | | | |
|---|----------|----------|-------|-------|
| S. P. Beebe, M.D., Prof. of Exp. Therapeutics ----- | \$ 3,000 | \$ 3,000 | | |
| Eleanor Van Ness Van Alstyne, Inst. in Exp. Therapeutics ----- | 1,000 | 1,000 | | |
| Robert A. Cooke, M.D., Ass't Exp. Therapeutics ----- | 900 | 900 | | |
| S. Feldstein, M.D., Ass't in Exp. Therapeutics ----- | 480 | 480 | | |
| (Apprpr. Oct. 19, 1912) | | | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 5,380 | \$ 5,380 | | |

Anatomy.

| | | | | |
|---|-----------------|-----------------|----------------|----------------|
| Charles R. Stockard, Ph.D., Prof. of Anatomy ----- | \$ 4,000 | \$ 4,000 | | |
| Irving S. Haynes, M.D., Prof. of Applied Anatomy ----- | 1,250 | 1,250 | | |
| -----, Ass't Prof. Histology - | 2,000 | | | \$2,000 |
| Israel Strauss, M.D., Ass't Prof. Neuro-Anatomy ----- | 1,500 | 1,500 | | |
| J. F. Gudernatsch, Ph.D., Inst. in Histol. & Embryol. ----- | 1,600 | 2,200 | \$ 600 | |
| M. T. Burrows, M.D., Inst. in Anatomy ----- | 1,800 | 2,000 | 200 | |
| W. M. Baldwin, M.D., Inst. in Anat. | 1,800 | 1,800 | | |
| J. F. McClendon, M.D., Inst. in Histol. & Embryol. ----- | 1,800 | 1,800 | | |
| H. Murayama, Preparateur in Anat. | 1,100 | 1,100 | | |
| Albert S. Crawford, B.S., Ass't in Anatomy ----- | 500 | 500 | | |
| -----, Ass't in Anatomy (transferred to wages a/c) ----- | 800 | | | 800 |
| -----, Ass't in Anatomy ----- | | 900 | 900 | |
| -----, Technical Assistant -- (Miss Brezee) | | 600 | 600 | |
| -----, Technical Assistant -- | | 500 | 500 | |
| | <u>\$18,150</u> | <u>\$18,150</u> | <u>\$2,800</u> | <u>\$2,800</u> |

Psychopathology.

| | | | | |
|---|---------------|---------------|---------------|---------------|
| August Hoch, M.D., Prof. Clin. Med., Dept. Psychopathology --- | \$ 200 | \$ 200 | | |
| Glenn E. Myers, M.D., Clin. Inst. in Medicine & Chief of Clinic, Dept. of Psychopathology ----- | 100 | 100 | | |
| -----, Clin. Inst. in Medicine & Ass't Phys. to the Disp., Dept. of Psychopathology ----- | 100 | | | \$ 100 |
| W. W. Wright, M.D., Clin. Inst. in Medicine & Ass't Phys. to the Disp., Dept. Psychopathology -- | | 50 | 50 | |
| John T. McCurdy, M.D., Clin. Inst. in Medicine & Ass't Phys. to the Disp., Dept. Psychopathology -- | | 50 | 50 | |
| | <u>\$ 400</u> | <u>\$ 400</u> | <u>\$ 100</u> | <u>\$ 100</u> |

Orthopedic Surgery.

| | | | | |
|--|---------------|---------------|--|--|
| -----, Ass't Prof. Clin. Surg., Dept. of Orthopedics ----- | \$ 300 | \$ 300 | | |
| -----, Clin. Inst. in Surgery, Dept. of Orthopedics ----- | 100 | 100 | | |
| -----, Clin. Inst. in Surgery, Dept. of Orthopedics ----- | 100 | 100 | | |
| | <u>\$ 500</u> | <u>\$ 500</u> | | |

Radiology.

| | | | | |
|--|-----------------|-----------------|--|--|
| Lewis G. Cole, M.D., Prof. Radiology | \$ 500 | \$ 500 | | |
| Arthur Holding, M.D., Ass't in Radiology | 500 | 500 | | |
| | <u>\$ 1,000</u> | <u>\$ 1,000</u> | | |

Summary.

Medicine

| | | | | |
|------------------------------|---------|-----------|-----------|--------------|
| Appropri. Orig. Budget | \$8,350 | | | |
| During Session | 300 | | | |
| Fellowships | 650 | | | |
| N. Y. Hospital | 1,200 | \$ 10,500 | \$ 10,950 | \$ 900 |
| Clinical Pathology | | 8,500 | 6,400 | \$ 450 |
| | | | | <u>2,100</u> |

Therapeutics.

| | | | | |
|----------------------------|---------|-------|-------|-----|
| Appropri. Budget | \$3,600 | | | |
| During Session | 500 | 4,100 | 3,700 | 100 |
| Applied Pharmacology | | 3,000 | 3,000 | 500 |

Surgery.

| | | | | |
|-------------------------------|---------|--------|--------|-------|
| Appropri. Orig. Budget | \$7,200 | | | |
| During Session | 50 | 7,250 | 7,200 | 250 |
| Pathology | | 20,800 | 19,350 | 1,550 |
| Exp. Pathology | | 3,600 | 4,800 | 1,200 |
| Obstetrics | | 4,000 | 4,000 | |
| Physiology | | 12,700 | 12,700 | |
| Pharmacology | | 5,300 | 5,300 | |
| Chemistry | | 4,700 | 5,400 | 700 |
| Gynecology | | 4,700 | 4,700 | |
| Dermatology | | 600 | 600 | |
| Laryngology & Rhinology | | 500 | 500 | |
| Pediatrics | | 800 | 800 | |
| Urology | | 800 | 800 | |
| Ophthalmology | | 700 | 700 | |
| Otology | | 500 | 500 | |
| Neurology | | 1,200 | 1,200 | |
| Psychopathology | | 400 | 400 | |
| Orthopedics | | 500 | 500 | |
| Radiology | | 1,000 | 1,000 | |

Exp. Therapeutics.

| | | | | |
|------------------------------|---------|------------------|------------------|----------------|
| Appropri. Orig. Budget | \$4,900 | | | |
| During Session | 480 | 5,380 | 5,380 | |
| Anatomy | | 18,150 | 18,150 | 2,800 |
| | | <u>\$118,680</u> | <u>\$118,030</u> | <u>\$7,500</u> |
| | | | | <u>\$9,150</u> |

Original Budget, 1912-1913 \$117,150 |Approp, during Session 2,530 |\$119,680Original Budget, 1913-1914 \$118,030 |1912-1913 117,150 |Actual Increase \$ 880 |

BUDGET 1913-1914.

| | 1912-1913 | 1913-1914 | Increase | Decrease |
|----------------------------------|-----------|-----------|----------|----------|
| Managing Clerk..... | \$ 3,000 | \$ 3,500 | \$500 | |
| 1 Assistant | 1,320 | 1,440 | 120 | |
| 1 Janitor @ \$90 | 1,080 | 1,080 | | |
| 1 Hall Boy @ \$25..... | 300 | 300 | | |
| 3 Helpers @ \$35 | 1,260 | 1,440 | 180 | |
| 2 Helpers, 9 mos. @ \$35 | 630 | 720 | 90 | |
| 1 Laundress @ \$40 | 480 | 480 | | |
| 1 Watchman @ \$50 | 600 | 600 | | |
| | <hr/> | <hr/> | | |
| | \$ 8,670 | \$ 9,560 | \$890 | |
| <i>Engineer's Dept.</i> | | | | |
| 1 Chief Engineer..... | \$ 1,500 | \$ 1,500 | | |
| 1 First Asst. @ 100..... | 1,200 | 1,320 | 120 | |
| 1 Second Asst. @ \$80..... | 960 | 960 | | |
| 1 Night Fireman @ \$70..... | 840 | 840 | | |
| 1 Day Fireman @ \$65 | 780 | 780 | | |
| 1 Helper @ \$45 | 540 | 540 | | |
| 1 Helper @ \$40 | 480 | 480 | | |
| 1 Elevator Man @ \$40..... | 480 | 480 | | |
| | <hr/> | <hr/> | | |
| | \$ 6,780 | \$ 6,900 | \$120 | |
| <i>Dispensary.</i> | | | | |
| 1 Apothecary @ \$100..... | \$ 1,200 | \$ 1,200 | | |
| 1 Asst. Apothecary @ \$65..... | 780 | 900 | \$120 | |
| 1 Dispensary Clk. @ \$65..... | 780 | 900 | 120 | |
| 1 Asst. Dispensary Clk. @40..... | 480 | 540 | 60 | |
| 5 Nurses (Female) @ \$55..... | 3,300 | 3,300 | | |
| 1 Nurse (Male) @ \$55..... | 660 | 660 | | |
| 1 Doorman @ \$40 | 480 | 540 | 60 | |
| 1 Attendant @ \$40 | 480 | 540 | 60 | |
| 3 Helpers (Female) @ \$35..... | 1,260 | 1,260 | | |
| | <hr/> | <hr/> | | |
| | \$ 9,420 | \$ 9,840 | \$420 | |
| <i>Employees, (Pathology)</i> | | | | |
| 1 Janitor @ \$70 | \$ 840 | \$ 840 | | |
| 2 Helpers @ \$50 *..... | 1,200 | 1,500 | 300 | |
| 1 Helper, 10 mos. @ \$36..... | 360 | 360 | | |
| 1 Boy @ \$30 | 360 | 360 | | |
| 1 Helper @ \$70 | 840 | 840 | | |
| *1 Helper @ \$65 | | | | |
| 1 " @ \$60 | | | | |
| | <hr/> | <hr/> | | |
| | \$ 3,600 | \$ 3,900 | \$300 | |

Employees, (Chemistry)

| | | | | |
|------------------------|----------|----------|-------|-------|
| 1 Janitor @ \$65 ----- | \$ 780 | \$ 840 | 60 | |
| 1 Helper @ \$40 ----- | 480 | 480 | | |
| 1 Helper @ \$35 ----- | 420 | 480 | 60 | |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 1,680 | \$ 1,800 | \$120 | |

Employees (Physiology)

| | | | | |
|-------------------------|----------|----------|--|-------|
| 1 Janitor @ \$100 ----- | \$ 1,200 | \$ 1,200 | | |
| 3 Helpers @ \$40 ----- | 1,440 | 1,440 | | |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 2,640 | \$ 2,640 | | |

Employees (Appld. Pharm.)

| | | | | |
|-----------------------|--------|--------|--|--|
| 1 Helper @ \$50 ----- | \$ 600 | \$ 600 | | |
|-----------------------|--------|--------|--|--|

Employees (Clin. Pathology)

| | | | | |
|------------------------|----------|----------|-------|-------|
| 1 Janitor @ \$60 ----- | \$ 720 | \$ 900 | \$180 | |
| 1 Helper @ \$40 ----- | 480 | 480 | | |
| 1 Helper @ \$35 ----- | 420 | 420 | | |
| 1 Boy @ \$30 ----- | 360 | 360 | | |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 1,980 | \$ 2,160 | \$180 | |

Employees (Anatomy)

| | | | | |
|------------------------|----------|----------|-------|----------|
| 1 Janitor @ \$60 ----- | \$ 720 | \$ 840 | \$120 | |
| 1 Helper @ \$60 ----- | 720 | 780 | 60 | |
| 1 Helper @ \$40 ----- | 480 | 480 | | |
| 1 Helper @ \$30 ----- | 360 | 270 | | 90 00 |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 2,280 | \$ 2,370 | \$180 | \$ 90 00 |

Dept. Photography.

| | | | | |
|----------------------|--------|--------|--|-------|
| 1 Photographer ----- | \$ 500 | \$ 500 | | |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 500 | \$ 500 | | |

Supplies (Engineer)

| | | | | |
|----------------------------------|----------|----------|-------|-------|
| Coal ----- | \$ 5,625 | \$ 5,625 | | |
| Oil, Waste, Grease, etc. ----- | 300 | 300 | | |
| Chemical for Refrig. Mach. ----- | 150 | 400 | 250 | |
| Materials for Repairs ----- | 1,000 | 750 | | 250 |
| Packing and Incidentals ----- | 150 | 150 | | |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 7,225 | \$ 7,225 | \$250 | \$250 |

Supplies (Janitor)

| | | | | |
|---------------------------------|--------|-----|--|--|
| Soaps, brooms, mops, etc. ----- | \$ 350 | 350 | | |
|---------------------------------|--------|-----|--|--|

Supplies (Dispensary)

| | | | | |
|------------------------------------|----------|----------|--|-------|
| Drugs and Medicines ----- | \$ 4,500 | \$ 4,000 | | \$500 |
| Linen, apparatus, Inst & Rprs. --- | 500 | 500 | | |
| Stationery & Printing. ----- | 375 | 375 | | |
| | <hr/> | <hr/> | | <hr/> |
| | \$ 5,375 | \$ 4,875 | | \$500 |

| | | | | |
|------------------------------------|-----------------|--------------------|--------------|------------------|
| <i>Animals and Food</i> | \$ 1,000 | \$ 800 | | 200 |
| <i>Expenses, (Administration).</i> | | | | |
| Incidental Expenses..... | \$ 250 | \$ 250 | | |
| Gas Lighting..... | 850 | 850 | | |
| Postage..... | 100 | 150 | \$50 | |
| Stationery and Printing..... | 300 | 300 | | |
| Telephone..... | 800 | 800 | | |
| Insurance (J. T. W. bond)..... | 25 | 12 50 | | \$ 12 50 |
| Advertising (Journals)..... | 600 | 600 | | |
| Advertising (Announcements).... | 1,750 | 1,750 | | |
| Uniforms (Employees)..... | 50 | 50 | | |
| Water..... | 1,750 | 1,750 | | |
| Alcohol..... | 500 | 250 | | 250 |
| Repairs to Building..... | 800 | 800 | | |
| Repairs to Furniture..... | 200 | 200 | | |
| Plumbing and Repairs..... | 400 | 300 | | 100 |
| Laundry Supplies, etc..... | 200 | 200 | | |
| Ice..... | 100 | 100 | | |
| Travelling Expenses..... | 225 | 225 | | |
| Commencement Expenses..... | 450 | 200 | | 250 |
| Contingent Fund..... | 750 | 750 | | |
| | <u>\$10,100</u> | <u>\$ 9,537 50</u> | <u>\$50</u> | <u>\$ 612 50</u> |
| <i>Special Nurses.</i> | | | | |
| 1 Nurse (Bellevue) 8 mos. | \$ 600 | \$ 600 | | |
| <i>Departmental Expenses</i> | | | | |
| Pathology..... | \$ 3,275 | \$ 3,275 | | |
| Chemistry..... | 1,100 | 1,400 | 300 | |
| Clinical Pathology..... | 1,500 | 1,500 | | |
| Physiology..... | 3,000 | 3,000 | | |
| Obstetrics..... | 75 | 75 | | |
| Pharmacology..... | 475 | 475 | | |
| Medicine..... | 400 | 300 | | 100 |
| Neurology..... | 240 | 133 | | 107 |
| Orthopedic Surgery..... | 100 | 50 | | 50 |
| Operative Surgery..... | 100 | 50 | | 50 |
| Psychopathology..... | 80 | 50 | | 30 |
| Pediatrics..... | 50 | 25 | | 25 |
| Therapeutics..... | 100 | 100 | | |
| Applied Pharmacology..... | 100 | 100 | | |
| Ophthalmology..... | 100 | 100 | | |
| Laryngology..... | 20 | | | 20 |
| Anatomy..... | 2,000 | 2,500 | 500 | |
| Radiology..... | 1,000 | 750 | | 250 |
| | <u>\$13,715</u> | <u>\$13,883</u> | <u>\$800</u> | <u>\$ 632</u> |

Loomis Lab'y Employees
(Building)

| | | | | |
|-------------------------|----------|----------|-------|-----------|
| I Janitor @ \$62----- | \$ 744 | \$ 744 | \$000 | \$ 000 00 |
| I Night man @ \$40----- | 480 | 480 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 1,224 | \$ 1,224 | | |

Employees (Exp. Pathology)

| | | | | |
|-----------------------------|--------|--------|-------|-------|
| I Foreman @ \$75----- | \$ 900 | \$ 900 | | |
| I Assistant @ \$30----- | 360 | 360 | | |
| I Animal Keeper @ \$50----- | 600 | 600 | | |
| I Helper @ \$30----- | 360 | 360 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |

\$ 2,220 \$ 2,220

Employees (Exp. Pathology)

| | | | | |
|----------------------|--------|--------|-------|-------|
| I Helper @ \$40----- | \$ 480 | \$ 480 | | |
| I Helper @ \$30----- | 360 | 360 | | |
| I Boy 10 mos.----- | 200 | 200 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |

\$ 1,040 \$ 1,040

Employees (Pharmacology)

| | | | | |
|-------------------------------|--------|--------|-------|-------|
| I Helper @ \$50----- | \$ 600 | \$ 720 | \$120 | |
| I Helper, 10 mos. @ \$30----- | 300 | 300 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |

\$ 900 \$ 1,020 \$120

Loomis Lab'y Administration

| | | | | |
|--------------------------|--------|--------|-------|-------|
| Repairs to Building----- | \$ 400 | \$ 300 | | \$100 |
| Water----- | 175 | 175 | | |
| Coal----- | 400 | 400 | | |
| Gas Lighting----- | 375 | 375 | | |
| Electric Lighting----- | 600 | 600 | | |
| Contingent Fund----- | 100 | 100 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |

\$ 2,050 \$ 1,950 \$100

Loomis Laboratory,
Departmental Expenses.

| | | | | |
|---------------------------|----------|----------|-------|-------|
| Exp. Therapeutics----- | \$ 1,100 | \$ 1,100 | | |
| Exp. Pathology----- | 1,400 | 1,200 | | \$200 |
| Pharm. & Mat. Medica----- | 1,100 | 800 | | 300 |
| | <hr/> | <hr/> | <hr/> | <hr/> |

\$ 3,600 \$ 3,100 \$500

Summary, Loomis Lab'y.

| | | | | |
|----------------------------|----------|----------|-------|-------|
| Employees, Building----- | \$ 1,224 | \$ 1,224 | | |
| “ Exp. Therap.----- | 2,220 | 2,220 | | |
| “ Exp. Pathology----- | 1,040 | 1,040 | | |
| “ Pharmacology----- | 900 | 1,020 | \$120 | |
| Administration----- | 2,050 | 1,950 | | \$100 |
| Departmental Expenses----- | 3,600 | 3,100 | | 500 |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$11,034 | \$10,554 | \$120 | \$600 |

*Medical College Building,
108-412 East 26th St.*

| | | | | |
|--------------------------|----------|----------|-------|--------|
| 1 Janitor @ \$55----- | \$ 660 | \$ 780 | \$120 | |
| Coal ----- | 400 | 400 | | |
| Water ----- | 150 | 100 | | \$ 50 |
| Gas Lighting----- | 150 | 150 | | |
| Janitor's Supplies ----- | 50 | | | 50 |
| Repairs to Building----- | 100 | 100 | | |
| Contingent Fund ----- | 50 | 50 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 1,560 | \$ 1,580 | \$120 | \$ 100 |

*First Avenue Building,
Special Repair and Equipment.*

| | | | | |
|----------------------------------|----------|----------|-------|---------|
| Repairs to 1 Boiler ----- | \$ 225 | \$ 225 | | |
| Renewing parts of Machinery --- | 250 | 250 | | |
| Painting & Varnishing Interior | | | | |
| Walls & Woodwork ----- | 750 | 500 | | \$ 250 |
| New Absorber for Refrigerating | | | | |
| Plant ----- | 1,500 | | | 1,500 |
| New Dehydrator for Refrigerating | | | | |
| Plant ----- | | 520 | \$520 | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 2,725 | \$ 1,495 | \$520 | \$1,750 |

SUMMARY.

| | | | | |
|----------------------------------|-----------|--------------|---------|------------|
| Mang. Clk. & Bld. Service ---- | \$ 8,670 | \$ 9,560 | \$ 890 | |
| Dept. of Engineer ----- | 6,780 | 6,900 | 120 | |
| Dispensary ----- | 9,420 | 9,840 | 420 | |
| Photography ----- | 500 | 500 | | |
| Employees (Pathology)----- | 3,600 | 3,900 | 300 | |
| " (Chemistry) ----- | 1,680 | 1,800 | 120 | |
| " (Physiology)----- | 2,640 | 2,640 | | |
| " (Clinical Pathology) - | 1,980 | 2,160 | 180 | |
| " (Anatomy)----- | 2,280 | 2,370 | 90 | |
| " (Appld. Pharmacol) - | 600 | 600 | | |
| Supplies (Engineer) ----- | 7,225 | 7,225 | | |
| " (Janitor) ----- | 350 | 350 | | |
| " (Dispensary) ----- | 5,375 | 4,875 | | \$ 500 |
| Animals and Food ----- | 1,000 | 800 | | 200 |
| Administration of Bldg.----- | 10,100 | 9,537 50 | | 562 50 |
| Special Nurses ----- | 600 | 600 | | |
| Departmental Expenses ----- | 13,715 | 13,883 | 168 | |
| Salaries, Profs. & Instrs. ----- | 117,150 | 118,030 | 880 | |
| " Src'y & Assist. ----- | 2,400 | 2,400 | | |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$196,065 | \$197,970 50 | \$3,168 | \$1,262 50 |

| | | | | |
|--|------------------|------------------|--------------|----------------|
| Loomis Lab'y Bld., 414 East 26th St. | \$ 11,034 | \$ 10,554 | | \$ 480 |
| Medical College Bldg., 408-410 E. 26th St. | 1,560 | 1,580 | 20 | |
| First Ave. Bldg., Special Re- pairs, etc. | 2,725 | 1,495 | | 1,230 |
| | <u>\$ 15,319</u> | <u>\$ 13,629</u> | <u>\$ 20</u> | <u>\$1,710</u> |

GRAND SUMMARY.

| | | | | |
|----------------------------------|------------------|---------------------|-------------------|----------------|
| C. U. M. C. Building, 1st Ave. . | \$196,065 | \$197,970 50 | \$1,905 50 | |
| Loomis Lab'y Building | 11,034 | 10,554 | | \$ 480 |
| Medical College Building | 1,560 | 1,580 | 20 | |
| Special Repairs, etc. | 2,725 | 1,495 | | 1,230 |
| | <u>\$211,384</u> | <u>\$211,599 50</u> | <u>\$1,925 50</u> | <u>\$1,710</u> |

GUARANTY BY COL. PAYNE.

| | 1912-1913 | 1913-1914 |
|-----------------------------------|------------------|-------------------|
| Annual Contribution | \$140,000 | \$140,000 |
| Students' Fees | 44,000 | 44,000 |
| Physiology Extra (Salaries) | \$4,500 | |
| Annual Expenses | 3,000 | |
| Wages | 1,440 | 8,940 |
| Anatomy (Extra) Salaries | 4,200 | |
| Annual Expenses | 3,500 | |
| Wages | 2,300 | 10,000 |
| Guaranty by Col. Payne | <u>\$202,940</u> | <u>\$202,940</u> |
| Loomis Lab'y Income | 6,000 | 6,000 |
| Dispensary " | 4,000 | 4,000 |
| Fellowships | 650 | 650 |
| Total Funds Available | <u>\$213,590</u> | <u>\$213,590</u> |
| Total Budget | <u>211,384</u> | <u>211,599 50</u> |
| For Contingent Fund | \$ 2,206 | \$ 1,990 50 |

7. The following was presented and on motion approved and the recommendations therein contained adopted, to take effect at the beginning of the next academic year, to-wit: August 1, 1913.

A meeting of the Special Committee on organization and management of Prudence Risley Hall, Sage College, etc., was held at the residence of Ex-President White, Friday evening, May 16th, 7:30 p. m. Present—Dr. A. D. White, Trustees Newman, R. H. Treman, Treasurer Williams and Mrs. Martin.

The report of Mrs. Martin, containing tabulated statement of charges for board and room at other institutions and outlining the practice with regard to collection of same, and making recommendations with regard to Sage College, Prudence Risley Hall, etc., was presented.

Action was taken as follows :

1. Recommendation of Mrs. Martin was adopted as follows, namely, that a flat rate of \$180 per year, (being \$5.00 per week for 36 weeks), be charged for board at Sage College and Prudence Risley Hall, same to be collected in four installments : one-fourth to be due on Registration Day, at the beginning of the year and payable not later than October 15th ; second installment to be due on December 1st, and payable not later than December 15th ; third installment to be due on Registration Day, second semester, and payable not later than February 15th ; fourth installment to be due on April 1st, and payable not later than April 15th.

2. That in addition to the annual charge for board, which is based on 36 weeks for the year, that a charge of \$5.00 per week be made to students remaining during the Christmas and Easter Holidays.

3. That no rebate on board be allowed except in case of absences exceeding 10 days ; in case of absences exceeding 10 days and upon the approval of Mrs. Martin and the Treasurer, an equitable allowance may be made for such absence, over and above the 10 day limit.

4. That a flat charge of \$20.00 per year be made to all students residing in Sage College, Prudence Risley Hall and Sage Cottage, for laundry, which shall cover a certain number of pieces weekly, list to be prepared by Mrs. Martin and submitted to the Committee for approval. Charge for laundry to be payable in four installments and at the same time as payment for board, as outlined above.

5. That the schedule of room rent for Sage College be revised so as to bring the average price per week for room, based upon 36 weeks for the year, up to \$2.99 per week ; this will make rentals substantially as follows :

| | | | |
|----------------|-------|----|------------------|
| 49 students at | ----- | \$ | 90.00 per year |
| 64 " " | ----- | | 105.00 " " |
| 46 " " | ----- | | 115.00 " " |
| 16 " " | ----- | | 120.00 " " |

6. In view of the fact that rooms in Prudence Risley Hall are substantially of the same size and of equal desirability, that a flat charge of \$110.00 per year be fixed for each of the dormitory rooms.

7. That the charge for rent be by the year and payable in four installments at the same time as payment for board, as outlined above.

8. That a deposit of \$10.00 on each room, be made at the time of filing application for same. That no part of such deposit be returned to students withdrawing after September 1st and before the opening of the University, but after Sept., a deposit may be transferred to the account of the succeeding year.

9. That schedule of rents in Sage College be increased so as to bring the average price of rooms up to substantially the price of amended schedule for Sage College.

Prices at Sage College, Sage Cottage and Prudence Risley Hall for room, board and laundry are summarized as follows :

SAGE COLLEGE.

| No. of students | 49 | 64 | 46 | 16 |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Room----- | \$ 90 00 | \$ 105 00 | \$ 115 00 | \$120 00 |
| Board----- | 180 00 | 180 00 | 180 00 | 180 00 |
| Laundry----- | 20 00 | 20 00 | 20 00 | 20 00 |
| | <u>\$290 00</u> | <u>\$305 00</u> | <u>\$315 00</u> | <u>\$320 00</u> |
| Room per week----- | 2 50 | 2 92 | 3 19 | 3 34 |
| Average for room per week----- | | | | \$2 99 |
| Board per week----- | | | | <u>5 00</u> |
| Total for board and room per week | | | | <u>\$7 99</u> |

SAGE COTTAGE.

| No. of students | 7 | 10 | 3 | 7 |
|-------------------------------------|-----------------|-----------------|-----------------|-----------------|
| Room----- | \$ 85 00 | \$ 100 00 | \$ 115 00 | \$120 00 |
| Board----- | 180 00 | 180 00 | 180 00 | 180 00 |
| Laundry----- | 20 00 | 20 00 | 20 00 | 20 00 |
| | <u>\$285 00</u> | <u>\$300 00</u> | <u>\$315 00</u> | <u>\$320 00</u> |
| Room per week----- | 2 36 | 2 77 | 3 19 | 3 34 |
| Average for room per week----- | | | | \$ 2 86 |
| Board per week----- | | | | <u>5 00</u> |
| Average for board and room per week | | | | <u>\$7 86</u> |

PRUDENCE RISLEY HALL.

| | | |
|-------------------------------------|-------------------|-------------|
| No. of students | 142 | |
| Room----- | \$ 110 00 | |
| Board----- | 180 00 | |
| Laundry----- | 20 00 | |
| | <u> </u> | |
| | \$ 310 00 | |
| Room per week----- | 3 06 | |
| Average for room per | | |
| week----- | | \$ 3 06 |
| Board per week----- | | <u>5 00</u> |
| Average per week for room and board | | \$8 06 |

E. L. WILLIAMS, Secretary.

8. The matter of excluding the excavation and foundation from the insurance of the Medical College in New York City, was referred to the Treasurer with power.

9. A communication from Director Bailey in regard to the purchase of the Button property at Forest Home, was referred to the Chairman of the Committee on Grounds and the Treasurer, to investigate and report.

10. The Treasurer presented the final accounting of the Executors of the Guiteau Estate, together with a Deed of the house from the Executors to the University, all approved by the University Attorney, and the Treasurer was authorized to execute upon behalf of the University a release of the Executors, and to affix thereto the corporate seal of the University, and to pay to the Executors any balance due them. The same to be charged to the income of the Guiteau Fund.

11. On the recommendation of the University Attorney, the Acting President and Secretary, were authorized to execute on behalf of Cornell University, a consent to the sale of certain lots in Jersey City, in the matter of the Estate of Jennie McGraw Fiske, deceased. The University's interests in these lots being in connection with the Willard Fiske Estate.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., May 27, 1913.

Present—Trustees Van Cleef, White, Newman, Treman, C. E., Blood and Treman, R. H. Acting President Crane, Secretary Williams.

Chairman Van Cleef in the chair.

Trustee Williams was excused on account of absence from the city.

The minutes of the meeting of May 20th, 1913, were read and approved.

Action was taken as follows :

1. A communication was received from Professor W. A. Hammond stating that he would be unable to avail himself of the sabbatic leave voted for the first term of the college year 1913-14, and the leave of absence was cancelled.

2. Leave of absence without salary, from the close of the present term to February 7th, 1914, was granted to Assistant Professor C. L. Walker of the College of Civil Engineering.

3. Upon the nomination of the Acting President appointments in the Summer Survey Camp in the College of Civil Engineering, for the summer of 1913, were made as follows :

| | |
|-----------------------------------|----------|
| O. M. Leland, Professor in Charge | \$335 00 |
| P. H. Underwood, Asst. Professor | 180 00 |
| K. B. Turner, " " | 180 00 |
| L. A. Lawrence, Instructor | 170 00 |
| J. C. McCurdy, " " | 170 00 |
| S. S. Garrett, " " | 165 00 |
| W. L. Conwell, " " | 150 00 |
| T. A. H. Teeter, " " | 150 00 |
| C. M. Baker, " " | 150 00 |
| N. W. Dougherty, " " | 135 00 |
| F. A. Hitchcock, " " | 135 00 |

4. On the recommendation of Director Martin, Professor Bossange of the College of Architecture was permitted to use the rooms and equipment of the college for the Summer Course in Drawing and Design. His compensation to be paid by those taking the course, and the course to be under the general supervision of the Director of the College.

5. On the nomination of the Acting President, Mr. N. B. Davis was appointed Assistant in Economic Geology, for the first term of the year 1913-14, at a salary of \$100 for the term. This is to fill the position provided for in the budget but not filled.

6. It appearing that in order to give the necessary work in the large class in Geology, it will be necessary to extend the work throughout the year ; Messrs. W. A. Verwiebe and J. Storrer, who were appointed Instructors for the first term at the rate of \$800 a year, were each appointed Instructors for the full year, 1913-14 at a salary of \$800 each.

7. Upon the nomination of Dean Elect Nichols of the Faculty of Arts and Sciences, Edmund H. Hollands, was appointed secretary of the college for the years 1913-14, at a salary of \$1500, and 1914-15, at a salary of \$1600.

8. A communication from the Commissioner of Education at Washington, in regard to possible scholarships for the benefit of Bulgarian students, was referred to the Full Board.

9. The Acting President, Mrs. Martin and the Treasurer, were appointed a committee to explain to the women students the changes in room rent in Sage College, with power to postpone the drawing for rooms one week if it seems advisable.

10. On the recommendation of Trustee White, it was resolved, that until further action of the Board, \$7,000 of the money placed at the disposal of Mr. White, by Mr. Carnegie, be used as an addition to the Women Students' Loan Fund, the interest on same to be loaned to women students.

11. A communication requesting the President to communicate with the President of the Republic of China, urging the sending of Chinese women to the United States to be educated, was laid upon the table.

12. *Resolved*, That E. L. Williams, Treasurer Cornell University, be and is hereby authorized to exchange certificate of deposit covering \$21,875.00 of the 6% Gold Notes of the Denver Railways Securities Company for 1st Mortgage Bonds of Denver & Salt Lake Railway Company, in accordance with the agreement of the Bondholder's Committee, dated May 6, 1912, and for that purpose to assign certificate of deposit No. 193 for \$21,875.00 of the Denver Railway Securities Company Gold Notes and to affix corporate seal of the University thereto.

13. The Treasurer was authorized to extend until September 20th, 1913, the time of Mr. L. B. Fenner to pay up the back tuition necessary for his registering in the course in Arts.

14. It appearing that Phillip Wyman, who attended part of one term in the College of Agriculture, and now desires to register in the

College of Arts, will receive no credit for the work done in the Agricultural College; it was resolved, that he be permitted to register in the College of Arts without refunding the tuition for the portion of one term in the College of Agriculture.

On motion adjourned,

CHAS. D. BOSTWICK,
Ass't Sec'y.

[EXECUTIVE COMMITTEE].

ITHACA, N. Y., May 30, 1913.

Present—Trustees, VanCleaf, Newmnan, White, Treman, C.E., Blood, and Treman, R. H. Acting President Crane, Secretary Williams.

Chairman VanCleaf in the chair.

Minutes of the meeting of May 27th, 1913, were read and approved.

Action was taken as follows :

1. *Resolved*, That the title of J. R. Turner, be changed from Lecturer to Assistant Professor, without change of salary or term.

2. The matter of housing persons attending the school for leadership in Country Life in tents in the woods north of the Forest Home road, was referred to Director Bailey, the Treasurer and Professor Kerr, with power.

3. The resignation of Mr. Ed. F. Johnston, as organist to take effect at the close of the Summer School of 1913, was received and laid upon the table.

4. *Whereas*, on February 29th, 1908, Charles A. Ring, died leaving a will which contained the following provisions :

"I give, devise, and bequeath to E. Estelle Morse of the City and State of New York, absolutely, for herself, her heirs, and assigns forever, my farm situate in the Township of Newfane, Niagara County in the State of New York, and all farming tools and implements, household furniture and everything situate in said farm of a personal nature; provided however, that within the period of ten years from and after my death she will carry out and perform my wishes and desires in the order enumerated as follows, viz :

Here follow 17 items aggregating \$20,050. Of these number 16 preceded by items aggregating \$18,050 is as follows :

To pay to the Cornell University, Ithaca, N. Y., the sum of \$1,000 the same to be known as "The Ring Memorial Fund" said sum to be invested and held as a permanent fund, the interest thereof to be used in advancement of Horticultural Science. (I do this because my

father Dr. William Ring was a personal friend of the founder of this University ; also in acknowledgement of the great assistance the University has been to me on my farm, and especially regarding Horticultural matters).

The list of specific items is followed by the following clause :

“ In case said E. Estelle Morse should die before carrying into effect all of the provisions mentioned in this clause of my will, the sum or sums of money expended by her in carrying the same into effect, shall be a charge and lien upon my farm in favor of her legal representative ; and in the event that she renounces this devise and bequest under the conditions above mentioned then it is my wish and desire that my said farm, implements, household furniture and other personal property shall descend and be distributed according to the laws of the State of New York as in cases of intestacy.”

And it appearing from the above, that the legacy to Cornell University is not due until the expiration of about five years, and without interest, and may lapse if the said E. Estelle Morse should die or renounce the devise within that period, it is resolved,—

That the Treasurer be authorized to accept the sum of \$750 in full settlement of said legacy, and that he be and is hereby authorized to execute any release in connection therewith, and to attach thereto the corporate seal of the University.

On motion adjourned.

CHAS. D. BOSTWICK,
Asst Sec'y.

Proceedings of the Board of Trustees

[EXECUTIVE COMMITTEE.]

ITHACA, N. Y., June 10th, 1913.

Present—Trustees VanCleaf, White, Williams, Newman, Blood, Treman, C. E., and Cornell. Acting President Crane, Secretary Williams.

Chairman VanCleaf in the chair.

Minutes of the meeting of May 30th, 1913, were read and approved.

Action was taken as follows :

1. Acting President Crane was authorized to confer degrees at the Commencement of the Cornell University Medical College, in New York City, as per list recommended by the Medical College Faculty.

2. On the nomination of the Acting President, appointments for the year 1913-14 were made and resignations accepted as follows :

Ralph Bown, to be Assistant in Physics at a salary of \$400 (*vice* E. E. Weibel, resigned).

C. C. Bidwell, to be Instructor in Physics at a salary of \$1,000.

W. P. Davey, now Assistant in Physics, to be Instructor in Physics at a salary of \$800, (*vice* C. C. Murdock, resigned).

Ray McCleod Robinson, to be Assistant in Physics at a salary of \$400 (*vice* W. P. Davey promoted).

J. J. Davies, W. P. Roop and E. C. Drew, Assistants in Physics, resigned.

J. A. Fried, Instructor in Applied Mechanics, Sibley College, resigned.

H. M. Parmley, transferred from the department of Power Engineering to the department of Applied Mechanics (*vice* J. A. Fried) without change of salary.

Roy E. Clark, to be Instructor in Power Engineering, at a salary of \$800, (*vice* H. M. Parmley, transferred).

Carl John Engelder and Harold Selden Bennett, to be Assistants in Chemistry at a salary of \$400 each.

John H. Towneley, to be Instructor in English at a salary of \$800.

3. The Acting President announced the resignation of E. H. Hollands, as Secretary of the College of Arts and Sciences, and on the

nomination of Dean-elect Nichols, Ernest Trowbridge Paine, was appointed Secretary of the College of Arts and Sciences, for the year beginning August 1, 1913, at a salary of \$1,500.

4. Consent was given that J. M. Gelas, Instructor in Fencing, department of Physical Culture, be permitted to give instruction in Fencing in the Armory during the Summer Session. All fees to be collected through the Treasurer's office and when collected turned over to him as his salary.

5. A communication from the chairman of the University Faculty Committee on Student Affairs in regard to the enforcement of rules of the Women Students Self Government Association, together with the general matter of the enforcement of discipline upon the women students, was referred to the Committee on Residential Halls for Women, to investigate and report.

6. A communication from the Women in Sage College in regard to the administration and interpretation of the rules recently adopted in regard to board, room and laundry in the Women's dormitories, was referred to the same committee with power.

7. The matter of the advisability of discontinuing the Chinese Scholarships, was referred to the Full Board.

8. The Treasurer was authorized to cancel the note of \$60 for money loaned Marvin Jack while a student in the University; it appearing that Mr. Jack had been ill since graduation and had died during the past winter.

9. Consent was given that Mr. W. P. Davey formerly an Assistant in the department of Physics, be permitted to cancel his registration as of November 15th, 1912, and for the current term, and thereby be relieved from the payment of tuition for that period.

10. The special committee reported that it had granted permission to Professors Willcox and Wing to erect garages upon their respective lots upon the campus.

11. The chairman of the Building Committee reported that in the matter of additional office room for the Instructors of English, he had arranged with Professor Sampson for exchanging his present seminary room for a smaller room, and using the seminary room as an office for the instructors.

12. Permission, subject to revocation when the needs of Sibley College demand the room, was given to the architectural department, to use the large basement room under the old physical lecture room in Franklin Hall, for a drafting room, and the Treasurer was authorized to purchase necessary equipment and make necessary changes in the room at an expense not exceeding \$300.

13. Leave of absence was granted to Mechanician G. W. Race, at Sibley College, without salary, during the summer, and the college was authorized to use the amount of his salary in securing a substitute.

14. The Treasurer reported that the special committee upon the use of the woods north of the Forest Home road, for tents to be occupied by those attending the School of Leadership in the College of Agriculture, had thoroughly examined the matter and granted the permission desired, subject to rules and restrictions formulated by Dr. Kerr, in regard to sanitary arrangements which Director Bailey would see were enforced.

15. Consent was given to the erection by Sibley College of a concrete seat to extend through 180 degrees, centering about an Elm tree just east of the main entrance door to Director Smith's office, in accordance with the letter of Director Smith of June 2nd, 1913.

16. *Resolved.* That the Acting President, or President and the Treasurer be authorized to execute on behalf of the University, a deed to the People of the State of New York covering the site of the Agronomy Building and the Stock Judging Pavilion, with a strip 10 feet in width surrounding the building, and the right of way to a public highway, pursuant to law making appropriations for the construction of said buildings, and to attach to such conveyance or conveyances the corporate seal of the University.

17. WHEREAS, It appears that the conveyance to the People of the State of New York of the sites of the Central Heating Plant, the Headquarters building of the department of Animal Husbandry and the Forestry Building, have been lost after delivery to the State, and whereas the Comptroller requests that the University execute duplicate conveyances, it is

Resolved, That the Acting President and the Treasurer be authorized to execute on behalf of the University, a deed to the people of the State of New York covering the sites, of the Heating Plant, the Headquarters Building and the Forestry Building, with a strip 10 feet in width surrounding the buildings and the right of way to a public highway, pursuant to the law making appropriations for the construction of said buildings, and to attach to such conveyance the corporate seal of the University. The deed reciting that it is made to replace the conveyance already executed.

18. The application of Professor Catterall for permission to lease his house upon the Campus during the summer, was referred to the Acting President with power.

19. The Treasurer reported that he had received from Mrs. Grace Caldwell Chamberlain and Professor Frank Caldwell, the sum of \$1100 to establish the George Chapman Caldwell Prize in memory of

their father, in fulfillment of their offer of April 30th, 1913 ; and in accordance with the wishes of the donors, it was resolved, that "the George Chapman Caldwell Prize" of \$50 a year, be annually awarded in money and accompanied by a certificate on parchment, to a member of the Senior class in the Chemical course, for general excellence in chemical work ; award to be made by the staff of the Chemical department.

20. The matter of the change in the grade or location of the fire house made necessary by the grading around the Agronomy Building, was referred to the chairman of the Committee on Grounds and the Treasurer with power.

21. *Resolved*, That the Treasurer of the University and Trustee C. E. Treman, be requested to have an interview with the representative of the Comptroller, in regard to the accounts and appropriations of the State Colleges at Cornell.

22. *Resolved*, That the Treasurer be and he is hereby authorized to pay the bill of Parker, Hatch and Sheehan, for legal services and disbursements amounting to \$5,257.51 in the action of the State of New York, vs. The Brooklyn Cooperage Company and Cornell University, and inasmuch as said services were rendered for the benefit of the State the proper steps be taken to have the State reimburse the University for the amount paid.

On motion adjourned.

CHAS. D. BOSTWICK, Ass't Sec'y.

CORNELL UNIVERSITY.

Proceedings of the Board of Trustees.

ITHACA, N. Y., June 17, 1913.

Present—Trustees Cornell, Barr, Beahan, Blood, Boldt, Edwards, Hiscock, Morris, Newman, Place, Pratt, Sackett, Treman, C. E., Treman, R. H., Van Cleef, Westervelt, Westinghouse, White, Williams and Wilson. Acting President Crane. Secretary Williams.

Trustee Boldt was called to the Chair.

Letters regretting their inability to be present were received from Trustees Huson, Taylor, Shepard, Carlisle and Miller, and their absences were excused.

The minutes of the meeting of May 3rd, 1913, were approved as printed; and the minutes of the Executive Committee from May 13th, 1913, to June 10th, 1913, inclusive, were approved as printed, and the action therein contained ratified and confirmed.

Action was taken as follows :

1. *Resolved*, That no election be held at this meeting to fill the vacancy caused by the death of Trustee Woodford.

2. By ballot duly had, Messrs. Henry H. Westinghouse, Roger B. Williams and Charles E. Treman, were re-elected trustees for a term of five years to succeed themselves.

3. The resignation of Trustee Barr as a member of the Agricultural College Council was received and accepted.

4. Trustee Newman was elected a member of the Agricultural College Council to fill the vacancy caused by the resignation of Trustee Barr.

5. The following was received :

New York State College of Agriculture
At Cornell University,
Ithaca, N. Y.

Dr. T. F. Crane,
Acting President,
Cornell University.

Office of the Director,
June 14, 1913.

Dear Sir:—

I desire now to sever my official connection with Cornell University, and I earnestly request that such action be taken as will make it possible for me to do so readily.

So far as the College of Agriculture is concerned, I feel that it is organized and established, the building development having gone far enough to ensure its continuation, the maintenance having reached a point that will enable the institution to do its present work effectively, and the staff being of sufficient extent and quality to constitute a first class working body. The completion of the plant and the extension of the work are now largely matters of detail. There is widespread public interest in support of the college. There is every reason to think that it has entered its epoch of permanent and steady development. I hope that a change in administration may now be made without detriment.

In taking this action, I am mindful of the opportunities and facilities that have been placed at my disposal by President and Board of Trustees for many years; and I wish to express my appreciation of the relations that I have enjoyed. It is a great privilege to have been connected with Cornell University for twenty-five years.

I desire that my retirement take place with the close of the present University year, July 31.

Sincerely yours,

L. H. BAILEY.

6. *Resolved*, That a committee consisting of trustees, Wilson, White, Sackett, Pratt, Beahan, Newman and Acting President Crane, be appointed, to associate with themselves members of the Faculty of the College of Agriculture or Alumni, and to interview Director Bailey with the hope of prevailing upon him to withdraw his resignation. The committee to report to this Board tomorrow morning.

7. The following was presented :—

*T. F. Crane, Acting President,
Cornell University,
Ithaca, N. Y.*

June 2nd, 1913.

Dear Sir :—

At a meeting of the Board of Trustees of Cornell University held on May 3rd, action was taken as follows :—

“*Resolved*, That Trustees Edwards, Wilson and Taylor be appointed to investigate and report to this Board whether there is anything in Professor Orth's past record which would make it undesirable for this Board to elect him to a Professorship.”

Messrs. Wilson and Edwards in Cleveland, Ohio, May 28th, interviewed several persons with whom appointments had been made by officers of the Cleveland Alumni Association. (Mr. Taylor was unable to meet with them on account of Court duties.)

Persons interviewed were members of both the old and new Board of Education, the Mayor, persons connected with educational institu-

tions and others. After giving due consideration to all the statements made to us in these interviews, we beg to report as follows :—

That we find no evidence that would jeopardize Professor Orth's personal honesty or integrity ;

That we would not at the present time consider it advisable to elect him to a Professorship for a longer period than one year.

Respectfully submitted,

J. H. EDWARDS,

T. B. WILSON,

Committee.

On motion the report was adopted.

8. Upon the nomination of President Crane and by ballots duly had, the following were elected for the academic year 1913-14 :

Harmon Smith, to be Professor of Clinical Surgery in the Department of Laryngology and Rhinology of the Medical College of New York City, at a salary of \$300.

Lewis G. Cole, to be Professor of Radiology in the Medical College in New York City, at a salary of \$500.

S. P. Orth, to be Professor of Political Science at a salary of \$3,000. This ballot standing, 20 yes and 1 no.

9. The resignation of Dr. H. M. Lyle, to take effect May 27th, 1913, Dr. E. F. Sampson, to take effect March 1, 1913, in the Medical College in New York City, were received and accepted.

10. On the nomination of President Crane, Arthur H. Cilley, was appointed Clinical Instructor in Surgery and Chief of Clinic, Department of Orthopedic Surgery, in the Cornell University Medical College in New York City, for the year 1913-14, at a salary of \$100.

11. On the nomination of President Crane, appointments in the Cornell University Medical College in New York City, for the year 1913-14, without salary, were made as follows :

FACULTY LIST—*Without salary.*

Department of Medicine.

Charles E. Nammack, M.D., Professor of Clinical Medicine, Department of Medicine.

Alexander Lambert, M.D., Professor of Clinical Medicine, Department of Medicine.

B. Davidson, M.D., Assistant Physician to the Dispensary, Department of Medicine.

Lucius A. Wing, M.D., Assistant Physician to the Dispensary, Department of Medicine.

Rae Wygatt Whidden, M.D., Assistant Physician to the Dispensary, Department of Medicine.

Arthur L. Holland, M.D., Assistant Physician to the Dispensary,
Department of Medicine.

Valentine C. Baker, M.D., Assistant Physician to the Dispensary,
Department of Medicine.

Department of Therapeutics.

Montgomery H. Sicard, M.D., Instructor in Therapeutics.

Charles E. S. Webster, Jr., M.D., Instructor in Therapeutics.

Albert C. Crehore, M.D., Instructor in Therapeutics.

Department of Surgery.

Frederic S. Dennis, M. D., Professor of Clinical Surgery, Department of Surgery, *Emeritus*.

Irving S. Haynes, M. D., Professor of Clinical Surgery, Department of Surgery.

John A. Hartwell, M. D., Assistant Professor of Surgery and Professor of Clinical Surgery, Department of Surgery.

William B. Cooley, M. D., Professor of Clinical Surgery, Department of Surgery.

John Rogers, M. D., Professor of Clinical Surgery, Department of Surgery.

Henry Pearson, M. D., Clinical Instructor in Anaesthesia, Department of Surgery.

Jerome M. Lynch, M. D., Surgeon to the Dispensary, Department of Surgery.

W. M. Higgins, M. D., Assistant Surgeon to the Dispensary, Department of Surgery.

I. D. Steinhardt, M. D., Instructor in Clinical Surgery and Assistant Surgeon to the Dispensary, Department of Surgery.

W. L. Sneed, M. D., Assistant Surgeon to the Dispensary, Department of Surgery.

C. E. Farr, M. D., Instructor in Surgery, Attending Surgeon, Out-Patient Department, New York Hospital.

Department of Pathology.

Arthur F. Coca, M.D., Instructor in Experimental Pathology.

Charles Norris, M.D., Demonstrator of Pathological Anatomy.

Burton J. Lee, M.D., Instructor in Surgical Pathology and in Clinical Surgery.

Samuel M. Brown, M.D., Assistant in Cancer Research.

Benjamin Michaelowsky, M.D., Assistant in Cancer Research.

Department of Obstetrics.

Albertus A. Moore, M.D., Instructor in Obstetrics.

Department of Physiology.

Austin Flint, M.D., Professor of Physiology, *Emeritus*.

Eugene F. DuBois, M.D., Lecturer on Clinical Physiology.

Department of Chemistry.

Rudolph A. Witthaus, M.D., Professor of Chemistry, Emeritus.

Jeanette R. Stobo, A.B., Assistant in Chemistry.

Department of Gynecology.

LeRoy Broun, M. D., Clinical Instructor in Surgery, Department of Gynecology.

A. A. Rosenbloom, M. D., Surgeon to the Dispensary, Department of Gynecology.

Harold B. Judd, M. D., Assistant Surgeon to the Dispensary, Department of Gynecology.

Harry Aranow, M. D., Assistant Surgeon to the Dispensary, Department of Gynecology.

Walter W. Lowell, M. D., Assistant Surgeon to the Dispensary, Department of Gynecology.

Department of Dermatology.

W. J. Heimann, M. D., Clinical Instructor in Surgery, and Assistant Surgeon to the Dispensary, Department of Dermatology.

Andrew J. Gilmour, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

Edward H. Marsh, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

C. C. A. Lange, M. D., Assistant Surgeon to the Dispensary, Department of Dermatology.

Department of Pediatrics.

Samuel M. Evans, M.D., Clinical Assistant in Medicine, Department of Pediatrics.

Edwin Swift, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

Lester D. Wise, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

John S. Kenny, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

Charles Lutz, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

Elizabeth Bruyn, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

A. A. Smernoff, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

May G. Wilson, M.D., Assistant Physician to the Dispensary, Department of Pediatrics.

Department of Urology.

David W. MacKenzie, M.D., Clinical Instructor in Surgery, Department of Urology.

Victor C. Pentlarge, M.D., Clinical Assistant in Surgery and Surgeon to the Dispensary, Department of Urology.

Harold E. Santee, M.D., Assistant Surgeon to the Dispensary, Department of Urology.

M. F. Murray, M. D., Assistant Surgeon to the Dispensary, Department of Urology.

M. L. Pinco, M. D., Assistant Surgeon to the Dispensary, Department of Urology.

C. Brendler, M. D., Assistant Surgeon to the Dispensary, Department of Urology.

Department of Ophthalmology.

A. D. Eisenberg, M. D., Assistant Surgeon to the Dispensary, Department of Ophthalmology.

M. Lombardo, M. D., Assistant Surgeon to the Dispensary, Department of Ophthalmology.

B. W. Samuels, M. D., Surgeon to the Dispensary, Department of Ophthalmology.

Department of Otology.

Earle Conner, M. D., Clinical Assistant in Surgery, Department of Otology.

George W. Kunz, M. D., Clinical Assistant in Surgery, Department of Otology.

Thomas A. Mulcahy, M. D., Clinical Assistant in Surgery, Department of Otology, and Assistant Surgeon to the Dispensary, Department of Otology.

Department of Neurology.

M. E. Van Fleet, M.D., Assistant Physician to the Dispensary, Department of Neurology.

H. W. Frink, M.D., Assistant Physician to the Dispensary, Department of Neurology.

F. W. Stechmann, M.D., Assistant Physician to the Dispensary, Department of Neurology.

S. J. Brooks, M.D., Assistant Physician to the Dispensary, Department of Neurology.

C. P. Oberndorf, M.D., Assistant Physician to the Dispensary, Department of Neurology.

J. M. O'Neill, M.D., Assistant Physician to the Dispensary, Department of Neurology.

Beatrice Hinkle, M.D., Assistant Physician to the Dispensary, Department of Neurology.

Department of Experimental Therapeutics.

Richard Weil, M.D., Assistant Professor of Experimental Therapeutics.

Jessie A. Moore, A.M., Assistant in Experimental Therapeutics.

William Dunn, M.D., Assistant in Experimental Therapeutics.

Department of Orthopedic Surgery.

Newton M. Shaffer, M. D., Professor of Orthopedic Surgery,
Emeritus.

Benjamin P. Riley, M. D., Clinical Instructor in Surgery and Surgeon to the Dispensary, Department of Orthopedic Surgery.

Brainerd H. Whitbeck, M. D., Clinical Instructor in Surgery, Department of Orthopedic Surgery.

Bertrand F. Drake, M. D., Assistant Surgeon to the Dispensary, Department of Orthopedic Surgery.

Department of Laryngology and Rhinology.

Walter C. Montgomery, M. D., Surgeon to the Dispensary, Department of Laryngology and Rhinology.

Francis W. Baldwin, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

Rolland D. Tomlinson, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

M. L. Pinco, M. D., Assistant Surgeon to the Dispensary, Department of Laryngology and Rhinology.

12. *Resolved*, That Acting President Crane, be authorized to confer degrees at Commencement tomorrow as per the lists recommended by the several Faculties of the University.

13. The following was presented and on motion approved, and the recommendations therein contained adopted, and appropriations made as recommended :

MEETING OF VETERINARY COLLEGE COMMITTEE,

June 16, 1913.

Present—Acting President Crane, Dr. Miller, Col. Sackett, Mr. Wilson, Mr. Pratt, Dr. Moore, and Treasurer Williams.

The following was presented to the Committee for their recommendation to the Board of Trustees for adoption :

Recommended that the Director be authorized to build a board fence eight feet high from the north wing of the Veterinary College Building to the Clinic Building on the north side of the Veterinary College, at a cost not exceeding \$100.00.

Recommended that the plan of Director Moore for having a formal opening of the new Veterinary College Buildings next fall be approved, the details to be arranged by Director Moore and the Veterinary Faculty.

In Connection With the Work of the College for the Balance of the Year 1912-13.

It is recommended that the following named men be employed during the summer vacation at the compensation mentioned :

| | |
|--|------------|
| Dr. R. R. Birch, in charge of the Veterinary Experiment Station..... | \$300 00 |
| Dr. J. N. Frost, in charge of the clinic..... | 300 00 |
| Dr. R. R. Bolton, assistant in department of surgery.... | 180 00 |
| Dr. F. F. Koenig, instructor in medicine | 225 00 |
| Dr. E. M. Pickens, in charge of diagnosis work | 225 00 |
| Dr. W. E. Muldoon, instructor in small animal clinic... | 200 00 |
| | <hr/> |
| | \$1,430 00 |

The work which occasions this expenditure during the summer vacation is as follows:

1. To continue the clinic.
2. To continue investigations in connection with tuberculosis, infectious abortion, Johnes disease, hog cholera and glanders.
3. To continue the work in diagnosis of animal diseases and the preparation of tuberculin, mallein, etc.

It is recommended that the following appropriation be made in accordance with a resolution of the Committee approved June 11, 1912:

To send representatives of the college to the State and National Veterinary Medical Associations..... \$300 00

It is recommended that an appropriation of \$1,000 be set aside for sundry expenses and extras in connection with the new clinical buildings.

For the College Year 1913-14.

It is recommended that a department of horse shoeing be established (1) For giving our students more practical instruction in horse shoeing and (2) For the establishment of an annual series of short courses in horse shoeing for practical horse shoers of the State.

It is recommended that the tuition for these short courses shall be free to residents of this State and that a shop fee sufficient to cover the cost of the material used shall be charged.

It is recommended that a tuition fee of \$25 be charged to non-residents of the State who wish to take the short course in horse shoeing but that non-residents shall not be admitted if there are applications enough from the State to fill the course.

It is recommended that Mr. Henry Asmus be appointed for one year as horse shoer at a salary of \$1,500.

It is recommended that Assistant Professor S. H. Burnett be made full professor of comparative pathology at a salary of \$2,500.

It is recommended that Assistant Professor H. J. Milks be made full professor of therapeutics and clinical medicine and surgery of small animals at a salary of \$2,500.

It is recommended that Dr. J. N. Frost be made assistant professor of surgery at a salary of \$1,500.

It is recommended that Dr. Earl Sunderville be made assistant professor of anatomy at \$1,500.

It is recommended that Dr. C. P. Fitch be made assistant professor of bacteriology at \$1,500.

It is recommended that Instructors F. F. Koenig, R. R. Bolton, C. E. Hayden and Earl M. Pickens be made special instructors at a salary of \$1,200 each.

It is recommended that Dr. W. E. Muldoon be made instructor in therapeutics and small animal clinic at \$800.

It is recommended that Dr. J. R. Beach be made assistant in diagnosis at \$500.

In accordance with the resolution of June 11, 1912, it is recommended that the salaries of professors be raised as indicated in Exhibit A of the budget.

Because of the nature of the work required of our laboratory and clinical attendants, necessitating their working Sundays and holidays, it is recommended that the salary of each be raised five dollars a month.

Because of the increase in the clerical and stenographic work in the business and director's offices, it is recommended that the salary of the clerk be raised \$300.

It is recommended that 25 per cent of the departmental appropriations for the year beginning October 1, 1913, be made available for the summer if desired.

FINANCIAL STATEMENT.

| | |
|---|--------------------|
| Unappropriated Oct. 1, 1912----- | \$4,269 29 |
| Less additional appropriations recommended Oct. 12, 1912----- | 939 28 |
| Balance unappropriated June 16, 1913----- | \$3,330 01 |
| Tuition for 1912-13----- | 955 00 |
| Balance from sale of horse----- | 125 00 |
| Amount appropriations lapsing Oct. 1, 1913 (est.)----- | 1,900 00 |
| | <u>\$6,310 01</u> |
| Amount appropriations recommended for summer work | |
| Salaries----- | \$1,430 00 |
| Attending associations----- | 300 00 |
| Expenses in connection with new buildings--- | 1,000 00 |
| Contingent----- | \$1,500 00 |
| | <u>\$4,230 00</u> |
| Balance unappropriated Oct. 1, 1913 (est.)----- | 2,080 01 |
| State appropriation for 1913-14----- | 65,000 00 |
| Estimated total funds for 1913-14----- | <u>\$67,080 01</u> |

BUDGET.

It is recommended that the following budget for the year 1913-14 be approved (see exhibits A—E).

| | | |
|-------------------------------------|-------------|-------------|
| Salaries..... | \$41,300 00 | |
| Pay Roll..... | 6,720 00 | |
| Fixed Charges..... | 5,350 00 | |
| Departmental Appropriations | 2,600 00 | |
| Extra Appropriations..... | 2,500 00 | |
| Non-resident Lecturers | 300 00 | |
| Experimental Work..... | 4,000 00 | |
| Contingent | 500 00 | |
| | <hr/> | \$63,270 00 |
| Balance unappropriated (est.) | | 3,810 01 |
| | | <hr/> |
| | | \$67,080 01 |

EXHIBIT A—SALARIES.

Administrative Services.

| | | |
|--|-------------|------------|
| Director, V. A. Moore..... | \$ 2,000 00 | |
| Clerk and Stenographer to Director, H. H. Haight..... | 900 00 | |
| Superintendent ambulatory clinic, W. L. Williams | 500 00 | |
| Secretary and publication work, P. A. Fish..... | 250 00 | |
| | <hr/> | \$3,650 00 |

Anatomy.

| | | |
|---|-------------|------------|
| G. S. Hopkins, Professor..... | \$ 3,500 00 | |
| Earl Sunderville, Assistant Professor | 1,500 00 | |
| ———, Assistant..... | 500 00 | |
| ———, Student Assistant..... | 250 00 | |
| | <hr/> | \$5,750 00 |

Materia Medica.

| | | |
|--------------------------------|------------|------------|
| H. J. Milks, Professor..... | \$2,500 00 | |
| W. E. Muldoon, Instructor..... | 800 00 | |
| | <hr/> | \$3,300 00 |

Medicine.

| | | |
|---------------------------------------|------------|------------|
| D. H. Udall, Professor..... | \$3,500 00 | |
| F. F. Koenig, Special Instructor..... | 1,200 00 | |
| N. E. Koenig, Assistant..... | 500 00 | |
| | <hr/> | \$5,200 00 |

Pathology and Bacteriology.

| | | |
|---|------------|--|
| V. A. Moore, Professor..... | \$3,000 00 | |
| S. H. Burnett, Professor of Comparative Pathology | 2,500 00 | |
| C. P. Fitch, Assistant Professor of Bacteriology | 1,500 00 | |

| | | |
|---|--------|------------|
| H. H. Haight, Assistant | 300 00 | |
| S. A. Goldberg, Student Assistant | 250 00 | |
| ——, Student Assistant | 250 00 | |
| | <hr/> | \$7,800 00 |

Physiology.

| | | |
|---------------------------------------|------------|------------|
| P. A. Fish, Professor | \$3,500 00 | |
| C. E. Hayden Special Instructor | 1,200 00 | |
| | <hr/> | \$4,700 00 |

Surgery.

| | | |
|--|------------|------------|
| W. L. Williams, Professor | \$3,500 00 | |
| J. N. Frost, Assistant Professor | 1,500 00 | |
| R. R. Bolton, Special Instructor | 1,200 00 | |
| | <hr/> | \$6,200 00 |

Diagnosis and Research.

| | | |
|---|------------|------------|
| R. R. Birch, in charge of Veterinary Experiment Station | \$1,500 00 | |
| E. M. Pickens, special instructor in diagnosis | 1,200 00 | |
| J. R. Beach, assistant | 500 00 | |
| | <hr/> | \$3,200 00 |

Horse Shoeing.

| | | |
|--------------------------------|----------|-------------|
| Henry Asmus, horse shoer | 1,500 00 | |
| | <hr/> | \$41,300 00 |

EXHIBIT B—PAY ROLL.

| | | |
|--|----------|------------|
| Archibald Wilson, engineer | \$600 00 | |
| ——, assistant engineer | 540 00 | |
| Joseph Fisher, groom surgical department | 600 00 | |
| Burt Fisher, assistant groom surgical department | 540 00 | |
| ——, teamster | 540 00 | |
| C. M. Greene, janitor and attendant small animal clinic | 540 00 | |
| ——, janitor and groom medical clinic | 600 00 | |
| Adolf Franke, janitor and preparator department of pathology | 540 00 | |
| Joseph Parkas, janitor in department of anatomy | 540 00 | |
| ——, janitor and attendant department of physiology, museum and director's office | 540 00 | |
| C. C. Drake, attendant Veterinary Experiment Station | 600 00 | |
| Labor Veterinary Experiment Station | 540 00 | |
| | <hr/> | \$6,720 00 |

EXHIBIT C—FIXED CHARGES.

| | | |
|---|----------|------------|
| Fuel | \$900 00 | |
| Gas | 500 00 | |
| Electricity | 200 00 | |
| Grounds | 100 00 | |
| Insurance | 200 00 | |
| Repairs | 500 00 | |
| Printing and advertising | 700 00 | |
| Library attendant | 450 00 | |
| Keeping team and cartage | 450 00 | |
| Veterinary conference, fairs, lectures, etc. | 700 00 | |
| Office | 600 00 | |
| Library supplies | 50 00 | |
| | <hr/> | \$5,350 00 |

EXHIBIT D—DEPARTMENTAL APPROPRIATIONS.

| | | |
|----------------------------------|----------|------------|
| Anatomy | \$250 00 | |
| Materia Medica | 150 00 | |
| Medicine | 500 00 | |
| Pathology and Bacteriology | 600 00 | |
| Physiology | 300 00 | |
| Surgery | 600 00 | |
| Horse shoeing department | 200 00 | |
| | <hr/> | \$2,600 00 |

EXHIBIT E—EXTRA APPROPRIATIONS.

| | | |
|---|----------|------------|
| Immediate equipment for department of medicine | \$800 00 | |
| Immediate equipment for department materia medica and small animal clinic | 600 00 | |
| Operating table for surgical exercises | 100 00 | |
| Automobile or other means of conveyance for ambulatory clinic | 1,000 00 | |
| | <hr/> | \$2,500 00 |

SPECIAL APPROPRIATION.

| | | |
|--|------------|-------------|
| The Supply Bill carries an appropriation for equipping the farriery | \$2,500 00 | |
| and for building pig pens for the production of anti-hog cholera serum | 2,500 00 | \$ 5,000 00 |
| | <hr/> | |

As it is desired that short courses in horse shoeing may be started this fall and because it is very necessary to have the pig pens constructed for use this winter :

It is recommended that contracts for the equipment of the farriery may be made during the summer, the material to be delivered after October first.

It is also recommended that the construction of the pig pens may be begun during the summer, the payment for the material not to be made until after the first of October.

It is recommended that the Director be authorized to issue a circular to horse shoers of the State and others concerning the short course for horse shoers that is to be established this year.

The completion of the Veterinary College requires two more buildings, namely, the south wing to the main building for administrative offices, lecture room and library; and a laboratory building for teaching pathology and bacteriology and for diagnosis work and the preparation of tuberculin, mallein, vaccines, etc., for the State. These are all the buildings planned for in the construction of the Veterinary College.

It is very desirable that a brick wall be built between the anatomical laboratory and the west end of the clinical building for small animals. It is necessary that the clinical buildings be properly equipped and that the grading about these should be completed.

It is recommended therefore that the Trustees be requested to ask the Legislature of 1914 for the following appropriations for the year 1914-15, namely:

| | |
|---|----------|
| Maintenance----- | \$67,500 |
| Equipping clinical buildings and grading \$12,000 to----- | 20,000 |
| (Exact amount will be determined later in the summer.) | |
| Brick wall between north wing and small animal clinic-- | 2,500 |
| South wing to main building----- | 75,000 |

With these buildings the construction of the Veterinary College will be complete and capable of taking care of all the students in New York State who are likely to study veterinary medicine.

E. L. WILLIAMS,

Sec'y pro tem.

14. On the nomination of President Crane and by ballot duly had, S. H. Burnett was elected Professor of Comparative Pathology in the New York State Veterinary College for the year 1913-14, at a salary of \$2,500, and H. J. Milks was elected Professor of Therapeutics and Clinical Medicine and Surgery of small animals, in the New York State Veterinary College, for the year 1913-14, at a salary of \$2,500.

15. President Crane presented the offer of the Conkling Chapter of the Legal Fraternity of Phi Delta Phi, to found the Frank Irving Lectures as printed in the minutes of the Executive Committee of May 20th, 1913, and on motion the generous offer was accepted and the President requested to convey to the Chapter the sincere thanks

of the Trustees for its generosity and the interest manifested in the welfare of the College of Law.

16. Acting President Crane reported that Mr. Hiram W. Sibley had expressed a willingness to place at the disposal of Sibley College for purposes of renewal and increase of equipment, the sum of \$10,000 and the President was requested to express to Mr. Sibley the grateful appreciation of the trustees for this action.

Upon the recommendation of Director Smith, it was further *resolved*, that the money be expended in equal parts during a period of three years, for the purposes named.

17. At a meeting of the Board on May 3rd the report of the Executive Committee in regard to free tuition of Instructors and Assistants was adopted by the Full Board. Various questions having arisen as to the interpretation of the rule, the original committee of the Executive Committee met with representatives of the Instructors and Assistants and in conference adopted the following rules to serve as the interpretation of the action already taken.

(1) To allow Instructors and Assistants, registered in the Graduate School, to take, without the payment of tuition, such work in any college as shall be approved by their Special Committees; it being understood that the major subject shall be in the line of work in which they are instructing:

(2) To allow Instructors and Assistants already having a degree to register and take, without the payment of tuition, such work in the colleges in which they are instructing as will lead to the first degree of that college;

(3) In case Instructors and Assistants register in undergraduate work in any college in which they are not entitled to free tuition they will be charged a fee in proportion to the amount of work for which they are registered.

18. The committee appointed by the Executive Committee to investigate and report upon the request of the Cornell Co-operative Society for permission to build a building upon the Campus for its use, asked the Board for instructions upon the general policy involved, and it was resolved,

That in the opinion of this Board it is deemed unwise and inexpedient that any commercial building be erected upon the Campus.

19. The committee appointed upon the matter of the Botanical Department made a preliminary report, and was continued until the fall meeting of the Board; as were also the committees upon the change of tuition in Summer Session, the Law School and the matter of Fellowships and Scholarships.

20. The following was presented :

Your Committee, appointed at the meeting of the Board of Trustees of June 12, 1912, "to consider and report at a future meeting their opinion as to the general subject of control of the Buildings, Grounds, and Physical Properties of the University," respectfully report :

It was deemed advisable as preliminary to a comprehensive consideration of the question submitted to us to secure information regarding the methods followed in the care of the buildings and grounds of other universities of the country, both Eastern and Western. Such information was obtained regarding the methods followed at Yale, Columbia, Princeton, Harvard and Syracuse in the East, and Michigan, Purdue, Wisconsin, Chicago and Northwestern Universities in the West.

Your Committee did not lose sight of the fact that the problems at Cornell University differed from those of any of the institutions named, because a majority of them, particularly in the East, were not in any sense or degree State institutions or supported by State funds, and others, like Michigan and Wisconsin Universities, were exclusively State institutions and supported by public money, while Cornell combined the problems of an endowed university carrying on the main part of its educational work from the funds exclusively in its control and also of an institution responsible for the expenditure of State appropriations in the conduct of the two State Colleges which constitute an important part of it. Nevertheless, we have secured from several of these universities, of both kinds, important and useful information and data to aid us in forming our conclusions as to the best methods to be followed at Cornell. It might perhaps fairly be said that your Committee have secured the greatest aid from the information obtained as to the methods followed at Michigan, Wisconsin and Purdue Universities ; although we have realized the truth of what President Stone of Purdue wrote, "that each educational institution has its own problems, ideals and policies to be maintained."

We regret that we are unable to report an entire unanimity in opinion upon some of the important phases of the questions submitted to us. We are, however, agreed upon one of the most important matters and the opinion of four of the five members of the Committee is united upon several other important recommendations ; so that we do not think there should be further delay in submitting these to the Board of Trustees.

The members of the Committee are agreed that for the proper administration of the Buildings and Grounds Department of the University's affairs, it is advisable, if not necessary, to secure the services of a new subordinate officer ; but we are not entirely agreed, as above

indicated, upon either the title of such officer or the part which he is to perform in the business administration. The majority of your Committee agree, however, with the Treasurer "that the University as a whole, including the Agricultural and Veterinary Colleges, has grown to a point where we can employ to advantage a trained man as superintendant of buildings and grounds and all physical plants." We recommend the appointment of such an officer for the following among other reasons :

(1) To relieve the office of the Treasurer of the technical work of the supervision of construction and maintenance of buildings and grounds.

(2) To relieve the Committee on Buildings and Grounds from much of the detail now referred to them and of a part of the legal responsibility in construction matters, by the employment in this position of a man of such training and experience that full reliance may be placed upon his decisions and judgment.

(3) To assist the President and the Deans of the various colleges in arriving at rational and prompt decisions in the preliminary designs for new buildings or alterations in old buildings and to aid the architects in the preparation of their preliminary work ; also to advise and aid in the rearrangement of buildings and so to care for them as to increase the comfort of those using them and the efficiency of the University plant for educational purposes.

(4) To conserve funds by a general supervision of new work and by co-ordinating the work of departments under him through his experience in similar work.

(5) To relieve the office of the Treasurer of many of the details now devolving upon him in connection with the expenditure of State appropriations in the construction of new buildings for the State Colleges.

We are of the opinion that the office of Treasurer of the University should be the clearing house of all the business affairs of the institution before they reach the Board of Trustees. To define the functions and authority of the head of this office more clearly, we recommend that his title be changed from Treasnrer, to Treasurer and Business Manager. The appointment of such Superintendent of Buildings and Grounds as here recommended will operate, we believe, to relieve the Treasurer and Business Manager of many supervisory duties that cannot properly be performed by him in person. But the responsibility for the proper performance of all the business work of the institution, of all kinds and character, will continue to rest upon his shoulders.

The President of the University, being its chief executive, charged with the responsibility of all business as well as of all educational matters, while not expected to give personal attention to the details

of the business and managerial work, should however keep in touch with them by reports from and consultation with the Treasurer and Business Manager from time to time. He should be expected to deal only with such business matters, including the work of the Superintendent of Buildings and Grounds, and present to the Board of Trustees only such business matters as he in his discretion shall choose specifically to take up for executive consideration.

We are in agreement with the Treasurer of the University that in order to give the needed relief, a Superintendent of Buildings and Grounds, when appointed, should have general supervision of all the buildings and grounds, including those of the State Colleges. Indeed it is largely because of the rapid growth of the Agricultural and Veterinary Colleges that the necessity for the employment of such a man has arisen. A majority of your Committee are of the opinion that the University must look in the face the necessity of meeting the burden of the employment of such an officer and that to attempt to divide up his responsibility between the State and the University or to seek to pay a part or the whole of his salary out of State funds might not only lead to conflict with the State authorities, but might seriously hamper the University in securing the most important results hoped for from the employment.

We, therefore, recommend the appointment of such Superintendent of Buildings and Grounds as soon as the man possessing the required qualifications can be secured at a salary to be determined by the Board; and that the determination of the scope of the duties and of authority of such Superintendent of Buildings and Grounds and also the reorganization of the other departments of the University now under the Treasurer be left for future consideration.

Respectfully submitted,

HENRY W. SACKETT, Chairman.

IRA A. PLACE,

R. H. TREMAN.

Resolved, That the consideration of the foregoing report be deferred until the fall meeting, to afford opportunity to trustee Beahan, to present a minority report; and in the meantime the Executive Committee be authorized to make provision to meet the needs of the Treasurer's office in connection with the matter of construction and the business administration of the College of Agriculture. Also that copies of the above report and of Trustee Beahan's report, be forwarded to members of the Board by September 1st, next.

21. The following was presented and on motion approved, and recommendations therein contained adopted and appointments and appropriations made as recommended, except as to the recommendation for designating sites for houses of assembly for the Agricultural

College Free Educational Organizations. Action upon this recommendation being laid upon the table until the fall meeting of this Board.

AGRICULTURAL COLLEGE COUNCIL.

Present—Trustees Wilson, Pratt, Miller, Sackett, Acting-President Crane, Director Bailey and Treasurer Williams.

Trustees Barr and Beahan assenting.

Recommended that the Trustees approve the general policy of designating of sites on the Agricultural College Grounds to Agricultural College Free Educational Organizations, upon which to erect houses of assembly, the same to belong to the University but to be used by the organization erecting same under the direction of the Director and the Faculty of the College of Agriculture.

Recommended that Prof. T. L. Lyon be granted Sabbatic leave of absence for the first term of the year 1913-14, upon the usual terms and conditions.

Recommended that Sabbatic leave of absence be granted to Prof. Geo. W. Cavanaugh for the first term of the year 1913-14, upon the usual terms and conditions.

Recommended that the salary of Miss Julia Z. Kelly be increased from \$60.00 to \$65.00 per month, payable from the maintenance appropriation of the Horticultural Department.

Recommended that the Fellowship heretofore assigned to Agriculture, Horticulture and Veterinary Science, be divided into two Scholarships, one of the value of \$300 to be assigned to the College of Agriculture, and one of the value of \$200 to be assigned to the Veterinary College.

Recommended that the matter of the selection in conjunction with the State Architect of designing and constructing architect or architects for the Agricultural College Buildings, for which appropriations have been made and for the expenditure of the appropriations for equipment for the various buildings recently made, be referred to the Agricultural College Building Committee with power.

The following amended budget for College of Agriculture, year 1913-14, was approved and recommended for adoption.

Chemistry in its Relations with Agriculture.

| | | |
|--|------------|------------|
| Geo. W. Cavanaugh, Professor..... | \$3,000 00 | |
| Lewis J. Cross, Assistant Professor..... | 2,000 00 | |
| Assistance..... | 2,000 00 | |
| Maintenance | 1,000 00 | |
| | <hr/> | \$8,000 00 |

Entomology, Biology, Nature-Study, and the Farm.

| | | |
|---|------------|-------------|
| J. H. Comstock, Professor | \$3,000 00 | |
| J. G. Needham, Professor | 3,000 00 | |
| W. A. Riley, Professor | 3,000 00 | |
| G. W. Herrick, Professor | 3,000 00 | |
| O. A. Johannsen, Assistant Professor | 2,000 00 | |
| J. C. Bradley, Assistant Professor | 1,800 00 | |
| G. C. Embury | 1,800 00 | |
| Mrs. A. B. Comstock, Assistant Professor | 1,500 00 | |
| Miss A. C. Stryke, Instructor | 1,000 00 | |
| J. T. Lloyd, Instructor in Limnology | 600 00 | |
| Carl Ilg, Asst. Curator in Entomology | 760 00 | |
| Ada E. Georgia, Library Assistant | 660 00 | |
| Charles P. Alexander, Asst. in Farm Course .. | 600 00 | |
| Mary E. Hill, Assistant in Biology | 600 00 | |
| Emmeline Moore, Asst. in the Farm Course .. | 500 00 | |
| Alice A. Noyes, Assistant in Biology | 500 00 | |
| Dorothy Curtis, Assistant in Biology | 450 00 | |
| W. A. Clemens, Assistant in Biology | 500 00 | |
| Wm. C. Woods, Assistant in Biology | 500 00 | |
| Harry E. Vick, Assistant in Biology | 500 00 | |
| Ira M. Hawley, Asst. Economic Entomology .. | 500 00 | |
| Rowland W. Leiby, Asst. Insect Morphology .. | 500 00 | |
| Albert F. Coutant, Assistant in Parasitology .. | 500 00 | |
| E. A. Richmond, Asst. Farm Course (1st ½ yr) | 250 00 | |
| Carl Schmidt, Asst. Farm Course (1st ½ yr.) .. | 200 00 | |
| G. E. Wightman, " " " " " " | 200 00 | |
| W. G. Frisbie, Asst. Farm Course (2d ½ yr.) .. | 200 00 | |
| G. M. Wendelkin, Ass't Syst'mat. Entomology .. | 250 00 | |
| ——, Ass't in Farm Course (1st half year) .. | 250 00 | |
| Maintenance | 2,500 00 | |
| | <hr/> | \$31,620 00 |
| C. R. Crosby, Extension Prof. of Entomology .. | 2,500 00 | |
| Maintenance | 500 00 | |
| | <hr/> | \$ 3,000 00 |
| | | <hr/> |
| | | \$34,620 00 |

Plant Pathology.

| | |
|-------------------------------------|------------|
| H. H. Whetzel, Professor | \$3,500 00 |
| Donald Reddick, Professor | 3,000 00 |
| H. M. Fitzpatrick, Ass't Prof. | 1,500 00 |
| C. T. Gregory, Instructor | 1,000 00 |
| Lex R. Hesler, Instructor | 1,000 00 |
| I. C. Jagger, Instructor | 1,000 00 |
| W. H. Rankin, Instructor | 1,000 00 |

| | | |
|---|----------|--------------|
| R. A. Jehle, Instructor..... | 750 00 | |
| W. R. Fisher, Laboratory Ass't. | 700 00 | |
| Miss Agnes McAllister, Ass't | 600 00 | |
| Charles Chupp, Ass't..... | 500 00 | |
| W. E. Keefer, Ass't..... | 500 00 | |
| Maintenance | 4,950 00 | |
| | | \$20,000 00 |
| M. F. Barrus, Ass't Extension Professor of Plant Pathology | 2,000 00 | |
| Maintenance..... | 2,000 00 | |
| | | \$ 4,000 00 |
| Total | | \$ 24,000 00 |

The regular salary of Professor Whetzel is to be \$4,000 with the year beginning October 1, 1914, and \$250 to be available from the Director's funds for his personal travel and investigation in the year ending September 30, 1914.

Botany.

| | | |
|--|------------|-------------|
| K. M. Wiegand, Professor..... | \$3,000 00 | |
| Lewis Knudson, Ass't Professor | 2,000 00 | |
| A. J. Eames, Instructor | 1,200 00 | |
| C. C. Thomas, Instructor..... | 900 00 | |
| Mrs. Maude C. Wiegand, Instructor ($\frac{2}{3}$ time) | 700 00 | |
| J. K. Wilson, Instructor and Investigator on 12 mo basis..... | 1,100 00 | |
| W. J. Robbins, Instructor | 800 00 | |
| Otis Curtis, Instructor | 800 00 | |
| Ralph Nanz, Assistant..... | 600 00 | |
| Ruth S. Rodman, Ass't..... | 600 00 | |
| T. C. Davis, Ass't..... | 600 00 | |
| F. W. Petty, Ass't | 600 00 | |
| L. H. MacDaniels, Ass't..... | 600 00 | |
| Franklin P. Metcalf, Ass't | 500 00 | |
| Maintenance..... | 5,000 00 | |
| | | \$19,000 00 |

Plant Breeding.

| | | |
|-----------------------------------|------------|-------------|
| A. W. Gilbert, Professor | \$2,500 00 | |
| C. H. Myers, Ass't Professor..... | *2,000 00 | |
| E. E. Barker, Instructor..... | 1,200 00 | |
| W. F. Friedman, Assistant | 200 00 | |
| C. A. Fraser, Ass't..... | 200 00 | |
| R. W. Green, Ass't..... | 200 00 | |
| Maintenance..... | 3,700 00 | |
| | | \$10,000 00 |

*To begin July 1, 1913. Salary to be increased to \$2,500 January 1, 1914, the increase to be charged against the maintenance funds of the Plant-Breeding Department.

Soil Technology.

| | | |
|---|------------|-------------------|
| J. A. Bizzell, Professor | \$2,500 00 | |
| H. O. Buckman, Assistant Professor | 2,000 00 | |
| Maintenance and assistance | 2,800 00 | |
| | <hr/> | \$7,300 00 |
| E. O. Fippin, Extension Professor in Soil Technology | 3,000 00 | |
| Surveys and maintenance, Extension Fund... | 3,000 00 | |
| | <hr/> | 6,000 00 |
| Total | | <hr/> \$13,300 00 |

Farm Practice.

| | | |
|---|------------|-------------|
| J. L. Stone, Professor | \$3,500 00 | |
| L. H. Moulton, Farm Supt. and Instr. | 1,800 00 | |
| G. W. Tailby, Farm Foreman | 1,000 00 | |
| Maintenance | 8,000 00 | |
| | <hr/> | \$14,300 00 |

Farm Management.

| | | |
|---|------------|-------------|
| G. F. Warren, Professor | \$3,500 00 | |
| K. C. Livermore, Professor | 2,500 00 | |
| A. L. Thompson, Assistant Professor | 1,500 00 | |
| C. E. Ladd, Instructor | 750 00 | |
| D. S. Fox, Instructor | 1,000 00 | |
| ——, Instructor | 1,000 00 | |
| Maintenance | 5,000 00 | |
| | <hr/> | \$15,250 00 |

Farm Crops.

| | | |
|----------------------------------|------------|-------------|
| E. G. Montgomery, | \$3,000 00 | |
| Maintenance and assistance | 7,000 00 | |
| | <hr/> | \$10,000 00 |

Pomology.

| | | |
|---|------------|-------------------|
| C. S. Wilson, Professor | \$3,000 00 | |
| W. H. Chandler, Professor | 2,500 00 | |
| ——, Instructor | 1,500 00 | |
| Assistance | 3,000 00 | |
| Maintenance | 4,000 00 | |
| | <hr/> | \$14,000 00 |
| H. B. Knapp, Ass't Extension Professor of Pomology | 1,500 00 | |
| Maintenance | 500 00 | |
| | <hr/> | \$2,000 00 |
| Total | | <hr/> \$16,000 00 |

Floriculture.

| | | |
|---|------------|-------------------|
| A. C. Beal, Professor of Floriculture in charge of experimental work | \$2,500 00 | |
| ——, Professor of Floriculture in charge of teaching work | | |
| R. H. Patch, Instructor | 900 00 | |
| Gardeners | 1,500 00 | |
| Miss L. A. Minns, Student Ass't | 300 00 | |
| A. C. Hottes, Student Ass't | 500 00 | |
| Miss Julia Kelly, Secretary and Curator | 720 00 | |
| Maintenance | 3,000 00 | |
| | | <u>\$9,420 00</u> |

The question of the headship of the Department is yet to be determined.

Vegetable Gardening.

| | | |
|---|------------|--------------------|
| Paul Work, Supt. of the Department and In- structor in Vegetable-Gardening | \$2,500 00 | |
| C. E. Dimon, Instructor | 750 00 | |
| Assistance and Gardener | 3,000 00 | |
| Maintenance | 3,000 00 | |
| | | <u>\$9,250 00</u> |
| A. E. Wilkinson, Extension Instructor in Vegetable-Gardening | 1,500 00 | |
| Maintenance in extension | 400 00 | |
| | | <u>1,900 00</u> |
| Total | | <u>\$11,150 00</u> |

Forestry.

| | | |
|--|------------|--------------------|
| Walter Mulford, Professor | \$3,500 00 | |
| Samuel N. Spring | 3,000 00 | |
| A. B. Recknagel | 3,000 00 | |
| Frank B. Moody | 1,500 00 | |
| John Bentley, Jr., Ass't Prof. | 2,000 00 | |
| Maintenance and assistance | 4,000 00 | |
| | | <u>\$17,000 00</u> |
| F. B. Moody, Extension Professor of Forestry | 1,500 00 | |
| Maintenance | 500 00 | |
| | | <u>2,000 00</u> |
| Total | | <u>\$19,000 00</u> |

Animal Husbandry.

| | |
|-------------------------------|------------|
| H. H. Wing, Professor | \$3,500 00 |
| M. W. Harper, Professor | 2,500 00 |
| E. S. Savage, Professor | 2,500 00 |

| | | |
|--|-----------|-------------|
| G. W. Tailby, Jr., Supt.----- | 1,500 00 | |
| T. H. Eaton, Instructor----- | 1,000 00 | |
| ———, Instructor----- | 1,000 00 | |
| C. H. Van Auken, Clerk and accountant----- | 1,000 00 | |
| Maintenance ----- | 19,000 00 | |
| | | 32,000 00 |
| H. A. Hopper, Extension Professor in Animal Husbandry ----- | 2,500 00 | |
| Maintenance ----- | 500 00 | |
| | | 3,000 00 |
| Total ----- | | \$35,000 00 |

Poultry Husbandry.

| | | |
|--|------------|-------------|
| J. E. Rice, Professor----- | \$3,500 00 | |
| C. A. Rogers, Ass't Professor----- | 2,250 00 | |
| W. G. Krum, Ass't and Supt.----- | 1,400 00 | |
| Maintenance and assistance ----- | 14,850 00 | |
| | | \$22,000 00 |
| Extension work, Maintenance and assistance.----- | 3,000 00 | |
| | | \$25,000 00 |

Dairy Industry.

| | | |
|--|------------|-------------|
| W. A. Stocking, Professor----- | \$4,000 00 | |
| H. C. Troy, Professor----- | 2,500 00 | |
| H. E. Ross, Professor----- | 2,500 00 | |
| E. S. Guthrie, Professor----- | 2,500 00 | |
| Charles Thom, Professor of cheese making--- | 2,500 00 | |
| W. W. Fisk, Assistant Professor----- | 1,600 00 | |
| T. J. McInerney, Instructor----- | 1,300 00 | |
| H. M. Pickerill, Instructor (on part time)---- | 1,000 00 | |
| Elizabeth F. Genung, Assistant----- | 650 00 | |
| G. C. Supplee, Ass't (at rate of \$600 first half of the year and at rate of \$900 second half of year)----- | 750 00 | |
| A. M. Besemer, Ass't----- | 900 00 | |
| Arthur E. Potts, Ass't----- | 600 00 | |
| ———, Ass't (for testing) ----- | 600 00 | |
| Maintenance----- | 13,900 00 | |
| | | \$35,300 00 |
| H. L. Ayres, Extension Instructor in Dairy Industry ----- | 1,600 00 | |
| Maintenance ----- | 500 00 | |
| | | \$2,100 00 |
| Total----- | | \$37,400 00 |

Home Economics.

| | | |
|---|------------|-------------|
| Flora Rose, Professor | \$3,000 00 | |
| Martha Van Rensselaer, Professor | 3,000 00 | |
| ——, Prof. Domestic Art | 2,500 00 | |
| Mrs. H. B. Young, Asst. Professor | 900 00 | |
| Assistance | 6,500 00 | |
| Maintenance | 3,000 00 | |
| | <hr/> | \$18,900 00 |

Rural Engineering.

| | | |
|-----------------------------------|------------|------------|
| H. W. Riley, Professor | \$3 000 00 | |
| B. B. Robb, Asst. Professor | 1,500 00 | |
| Assistance | 3,500 00 | |
| Maintenance | 1,500 00 | |
| | <hr/> | \$9,500 00 |

Rural Economy.

| | | |
|---|------------|------------|
| G. N. Lauman, Professor of Rural Economy .. | \$3,000 00 | |
| Maintenance and assistance | 1,500 00 | |
| | <hr/> | \$4,500 00 |

Landscape Art.

| | | |
|---|------------|------------|
| Bryant Fleming, Professor, one-third time ... | \$1,000 00 | |
| E. G. Davis, Assistant Professor | 1,800 00 | |
| Ralph W. Curtis, Assistant Professor | 1,800 00 | |
| Eugene D. Montillon, Instructor | 1,200 00 | |
| C. E. Hunn, Foreman of Grounds | 1,200 00 | |
| Maintenance and assistance | 1,500 00 | |
| | <hr/> | \$8,500 00 |

Drawing.

| | | |
|------------------------------------|------------|------------|
| W. C. Baker, Ass't Professor | \$2,000 00 | |
| J. E. Reyna, Instructor | 1,000 00 | |
| Maintenance | 300 00 | |
| | <hr/> | \$3,300 00 |

Rural Education.

| | | |
|---|------------|------------|
| Alice G. McCloskey, Ass't Professor in Rural Education | \$2,000 00 | |
| E. M. Tuttle, Instructor | 1,200 00 | |
| Miss Fanny Young, Stenographer | 540 00 | |
| ——, Ass't | 450 00 | |
| Maintenance | 2,500 00 | |
| | <hr/> | \$6,690 00 |

Meteorology.

| | | |
|-------------------------------|-----------|----------|
| W. M. Wilson, Professor | \$ 500 00 | |
| Maintenance | 200 00 | |
| | <hr/> | \$700 00 |

Library.

A Library Department should now be organized in the College of Agriculture, in view of the building of a regular library quarters. This should be in charge of a competent and well trained person, and definite funds should be provided for maintenance. For several years, the sum of \$1,000 has been expended in Library maintenance, aside from salary. I now recommend as follows :

| | | |
|--|------------|-------------------|
| Librarian | \$1,500 00 | |
| A. J. Lamoureux, Ass't | 900 00 | |
| Supplies, books, magazines, binding and other maintenance | 2,000 00 | |
| | | <u>\$4,400 00</u> |

Administration.

| | | |
|---|------------|---------------------|
| L. H. Bailey, Director | \$6,000 00 | |
| A. R. Mann, Secretary, Registrar, Editor ---- | 3,000 00 | |
| Lloyd S. Tenny, Professor of Rural Develop- ment | 500 00 | |
| George W. Parker, Clerk | 1,000 00 | |
| Maintenance ; and to provide for extra in- struction in physics, chemistry, etc. ; and unappropriated | 108,570 00 | |
| | | <u>\$119,070 00</u> |
| | | <u>\$450,000 00</u> |

Extension, \$70,000.

Oct. 1, 1913—Sept. 30, 1914.

| | |
|---|------------|
| C. H. Tuck, Professor of Extension Teaching- | \$3,000 00 |
| R. H. Wheeler, Ass't Prof. of " " | 2,000 00 |
| Geo. A. Everett, Asst. Prof. in " " | 1,800 00 |
| Royal Gilkey, Instructor and Supervisor of Mail Division and Reading-Courses | 1,800 00 |
| E. O. Fippin, Extension Prof. of Soil Tech- nology | 3,000 00 |
| Surveys and maintenance | 3,000 00 |
| M. F. Barrus, Asst. Extension Prof. of Plant Pathology | 2,000 00 |
| Maintenance and assistance | 2,000 00 |
| C. R. Crosby, Extension Professor of Ento- mology | 2,500 00 |
| Maintenance | 500 00 |
| H. B. Knapp, Asst. Extension Professor of Pomology | 1,500 00 |
| Maintenance | 500 00 |

| | | |
|---|-----------|-------------|
| H. A. Hopper, Extension Prof. of Animal Husbandry | 2,500 00 | |
| Maintenance | 500 00 | |
| H. L. Ayres, Extension Instructor in Dairy Industry | 1,600 00 | |
| Maintenance | 500 00 | |
| Poultry Department | 3,000 00 | |
| Forestry | 2,000 00 | |
| Vegetable-Gardening | 1,900 00 | |
| Extension Teaching Department, maintenance and assistance | 30,000 00 | |
| Director's office and unappropriated | 4,400 00 | |
| | | \$70,000 00 |

Federal Funds.

July 1, 1913, to June 30, 1914.

| | |
|------------------|-------------|
| Hatch Fund | \$13,500 00 |
| Adams Fund | 13,500 00 |

Soil Technology.

| | | |
|---|------------|-------------|
| T. L. Lyon, Professor of Soil Technology | \$3,500 00 | |
| Assistance | 1,800 00 | |
| E. W. Leland, Supr. of Field Experiments... | 900 00 | |
| Ruth Landon, one-half time | 228 00 | |
| Maintenance | 5,300 00 | |
| | | \$11,728 00 |

Plant Breeding.

| | | |
|--|------------|-------------|
| ———, Professor | \$4,000 00 | |
| H. H. Love, Professor | 2,500 00 | |
| W. T. Craig, Ass't | *100 00 | |
| H. W. Tetter, Superintendent of Garden | 840 00 | |
| Anna M Adwater, Laboratory Ass't | 720 00 | |
| W. I. Fisher, Laboratory Ass't | 660 00 | |
| Maintenance | 2,908 00 | |
| | | \$11,728 00 |

*\$1,200 contributed by U. S. Department of Agriculture.

Entomology.

| | | |
|---|------------|------------|
| Robert Matheson, Investigator in Entomology | \$1,200 00 | |
| Maintenance | 400 00 | |
| | | \$1,600 00 |

Director's Office.

| | | |
|-----------------------|-----------|-------------|
| Salary of clerk | \$ 300 00 | |
| Maintenance | 1,644 00 | |
| | | \$1,944 00 |
| | | \$27,000 00 |

It is recommended that the division of these expenditures between the Hatch and Adams funds be left with the Director and Treasurer with power.

Respectfully submitted,

E. L. WILLIAMS, Sec'y pro tem.

22. On the nomination of the President and by ballot duly had the following were elected in the New York State College of Agriculture, at Cornell University, for the year 1913-14 :

Frank B. Moody, to be Professor of Forestry, at a salary of \$3,000, \$1,500 to be paid from the administration account and \$1,500 from the extension fund.

Charles Thom, to be Professor of Cheese-making, in the department of Dairy Industry, at a salary of \$2,500.

W. W. Fisk, to be Assistant Professor in the department of Dairy Industry, at a salary of \$1,600.

Ralph W. Curtis, to be Assistant Professor in the department of Landscape Art, at a salary of \$1,800.

George A. Everett, to be Assistant Professor in Extension Teaching at a salary of \$1,800.

23. Oral reports were presented by members of the Residential Halls Committee, and the Committee upon the Armory and the Committees continued.

24. *Resolved*, That the Treasurer shall present to the Board of Trustees for consideration and approval at its fall meeting each year a detailed report of all the various objects for which appropriations are desired from the Legislature of the State of New York at its next session.

25. Trustee Beahan presented the following resolution, which was laid upon the table until the fall meeting of the Board :

Resolved, That when the Appropriations Committee finds it cannot allow the request of a Dean or other officer for an amount of money for this work, they shall give a hearing before passing upon the appropriation.

That, to conform to this conception of the duties of the Appropriation Committee, the Committee be henceforth designated as the Budget Committee.

26. Trustee Behan presented the following resolution :—

Resolved, That the Executive Committee of the Board of Trustees of Cornell University as now constituted be discontinued, and a Committee of Administration be organized to consist of three Trustees, not more than one of whom shall reside in Tompkins County, New York, and not more than one of whom shall reside in the city of Greater New York. The Committee of Administration shall meet

regularly as deemed necessary and for other meetings shall meet subject to the call of its chairman.

Resolved, That the Chair appoint a committee of trustees residing outside of Tompkins County, to consider the matter of the revision of the Statutes constituting and governing the Executive Committee, and to report at the fall meeting of this Board.

The chair appointed Trustees Westinghouse, Chairman, Edwards, Barr, Pound, Beahan, Morris and Hiscock.

27. The matter of establishing Scholarships carrying free tuition for Bulgarian students, was referred to the Committee upon Fellowships and Scholarships, to investigate and report.

28. *Resolved*, That the Chinese Scholarships offered by the University be reduced to not more than four, and continue for one year only.

29. Trustee Cornell presented the following report which was received and ordered printed in the minutes :

ITHACA, N. Y., JUNE 17, 1913.

To the Board of Trustees
of Cornell University,

Gentlemen :

The work of inspecting the fraternity houses, dormitories and rooming houses has been performed during the past year, along the same lines as heretofore, but with continuing enlarged scope, as additional houses have come under supervision. It is very gratifying to find a decided improvement in conditions with regard to provisions against fire dangers throughout the entire student residential section of the city.

The rooming-house keepers, when requested so to do, have in most instances willingly agreed to take any necessary step toward the safety of their tenants, and have shown appreciation of suggestions which might be offered for improvement of conditions.

Those fraternities which formerly were most lax in preparation for meeting dangerous emergencies have shown an interest in the matter, and among the best equipped homes at the present time are some which at first neglected entirely to provide protective measures.

The mere fact, however, of finding, on inspection, that a certain house is apparently prepared to meet any emergency which may arise, is no assurance that the same conditions will prevail for an indefinite length of time. Permanent fire escapes may be installed, ropes may be coiled ready for instant use, hose reels and fire fighting apparatus may be at hand, and the occupants of the house may be thoroughly drilled ; but the contingency not arising to call in play the preparations made, a feeling of security soon dulls the sense of fear and laxity begins to appear, with the result that a comparatively

short time may find the approach to the fire escape encumbered with desks, trunks or boxes, the ropes out of commission or removed entirely, and a generally deplorable condition existing. Periodic inspection alone will assure continued efficiency.

An indication of the increased interest displayed by the student body, in the question of fire protection is the fact that the writer was requested to prepare an article on the subject for publication in the "Cornell Era," which appeared in the April issue of that magazine, copies of which were sent by me to the members of this Board, and which article I herewith submit as part of this report.

It is a fact that there are buildings where students live which would be better protected by having outside iron fire escapes, but as it is impossible to compel the installation of these in private houses, all other precautions have been recommended. The city is ordering the construction of outside escapes in some instances, but even its authority in this regard, does not seem to reach all necessary cases.

Another agency which is tending materially to assist in arousing interest in fire protection is the Student Advisory Committee for Freshmen, which is a decided step in the right direction.

Permanent iron fire escapes have been installed at Cascadilla Building and when the contemplated changes are completed this building will no doubt become a very satisfactory and safe Dormitory. With Prudence Risley Hall available we may feel that the women students are well provided for.

The writer endeavors to keep in touch with every movement tending to the betterment of student welfare, and feels justified in saying that there is a very marked improvement over the condition which existed when the University inspection was first undertaken.

Respectfully submitted,

CHAS. EZRA CORNELL.

30. Trustee Place reported that at the annual meeting of the Cornellian Council held at Ithaca, June 13th, 1913, it appearing that the net cash balance in the hands of the Treasurer of the University to the credit of the Alumni Fund consisting of the contributions of Alumni through the Cornellian Council, amounts to the sum of \$20,729.44 ;

Upon motion, it was "*Resolved*, That this Council recommend to the Board of Trustees of Cornell University that Twenty Thousand Dollars (\$20,000) of the said net cash balance be now appropriated to University purposes either :

(1) By adding the whole thereof to the permanent endowment of the University to be kept in a separate fund known as "The Permanent Alumni Fund," and to be invested and kept invested and the net income only received therefrom to be used for University purposes, or

(2) By so adding Ten Thousand Dollars (\$10,000) thereof to the permanent endowment and appropriating Ten Thousand Dollars (\$10,000) thereof to the current expenses of the University."

And thereupon, upon motion duly made and seconded it was

"*Resolved*, That the Board of Trustees of Cornell University do now appropriate to University purposes Twenty Thousand Dollars (\$20,000) of the said net cash balance to the permanent endowment of the University to be kept in a separate fund, to be known as "The Permanent Alumni Fund," and to be invested and kept invested and the net income only received therefrom to be used for University purposes.

31. Trustee Beahan presented his resignation as a member of the Agricultural College Council, and on motion the same was accepted and Trustee Westervelt was elected a member of the Agricultural College Council to fill the vacancy.

The meeting then adjourned to Wednesday morning, June 18th, at 9 o'clock.

At the adjourned meeting on Wednesday June 18th, 9 A.M., there being present, Trustees Cornell, Barr, Blood, Boldt, Hiscock, Morris, Newman, Place, Pratt, Sackett, Treman, C. E., Treman, R. H., Van-Cleef, Tyler, White, Williams and Wilson. Acting President Crane, Secretary Willaims.

The following action was taken :

32. The following was presented :

To the Trustees of Cornell University Ithaca, New York.

The members of the Cornell Women's Club of New York City sensible of their indebtedness to the University for benefits conferred, and desirous that Cornell shall take a leading place among the universities that foster equally the educational development of men and women, desire to present certain matters for your consideration.

We believe that the increasing scope of activities and responsibilities of women will require that the future alumnae of Cornell be prepared, by definite and adequate university training, to meet the demands that will be made upon them for scientific treatment of their duties in the home, in the municipality, and in the State.

Since these new vocations entered upon by women require corresponding educational opportunities and direction, and since Cornell already offers courses the adaptation, arrangement and grouping of which would provide adequate training for a number of these, we respectfully suggest that groupings, similar to the following, be made, with the view of stimulating purpose within definite fields, and of preventing wasteful desultoriness :

a. *Public Health*—including sanitation, care of streets, public buildings, public baths ; care in marketing, distributing and storing food supplies, etc.

- b. *Social Service and Child Welfare*—including factory and tenement inspection, hours and conditions for labor, care of school children, district nursing, etc.
- c. Courses in *Home Economics extended*—to include eugenics, child psychology, the psychology of adolescence, etc.
- d. *Secretarial Training*—looking toward expert knowledge.
- e. *Education*—considered in relation to the above lines of vocational training.

Such courses would be open to men and women alike, although it is probable that the number of women would be greater than the number of men electing them. The incorporating of these courses into the University system would be only an expansion parallel to the provision which already exists for engineers, physicians, lawyers, architects, veterinarians, and agricultural experts. In all these lines the men will always outnumber the women.

The educational needs of women being thus given equal consideration and importance with those of men, Cornell would become truly coeducational, and would no longer be merely one of the many universities for men in which women are accorded the privileges of matriculation.

The recognition of women on the Faculty is necessarily an integral part of this policy. Finely trained and equipped women would most adequately present certain of the subjects required, but would not consider acceptance of positions without such recognition.

An Adviser of Women, who would also be a member of the Faculty, would thereby fill an office of such honor and importance that it would, without difficulty, command the services of the finest women in the educational world.

We, therefore, most respectfully request that a committee be appointed to study the conditions mentioned in the above suggestions, and to make recommendations upon the results of such study.

We urge that the Board of Trustees, the Faculty of Arts and Sciences, and the Faculty of Agriculture, be represented on the committee, and that the Adviser of Women be a member of the committee.

Respectfully submitted by

ALICE H. BRUERÉ,

JENNIE M. JENNESS,

GERTRUDE ROCHESTER, M. D.

Committee of the Cornell Women's Club of New York.

May, 1913.

The Secretary also presented endorsement of the petition from the Cornell Alumnae Association of Philadelphia, the Cornell Womens' Club of Cleveland, the Cornell Womens' Club of Ithaca, the Federation of Cornell Women's Clubs, The Buffalo Club, The Albany Club, The Utica Club and the Washington Club.

Resolved, That the foregoing communication be referred to a committee of five to be appointed by the Chair.

The Chair appointed as such committee, Trustees, Moody, Chairman, White, Newman, Mason and R. H. Treman.

33. *Resolved*, That Trustee Pound be added to the Committee upon the College of Law.

34. The committee appointed to revise the standing committees of the Board reported the following recommendation :

Committee on Buildings.—J. H. Edwards, R. B. Williams, J. C. Westervelt, G. C. Boldt, J. H. Barr and the President and Treasurer of the University, *Ex-officio*.

Finance Committee.—R. B. Williams, M. Van Cleef, R. H. Treman, H. R. Ickelheimer, C. Sidney Shepard and the President and Treasurer of the University, *Ex-officio*.

Committee on Grounds.—C. H. Blood, J. T. Newman, R. H. Treman, H. W. Sackett and the President and Treasurer of the University, *Ex-officio*.

Residential Halls for Women Committee.—R. H. Treman, J. T. Newman, Mrs. Moody and the President and Treasurer of the University, *Ex-officio*.

Committee on Appropriations.—J. T. Newman, M. VanCleaf, J. H. Edwards, C. E. Treman and the President and Treasurer of the University, *Ex-officio*.

Auditing Committee.—C. E. Cornell, J. T. Newman.

Committee on Summer Session.—C. E. Treman, C. E. Cornell, C. H. Blood and the President and Treasurer of the University, *Ex-officio*.

Committee on Music —R. B. Williams, A. D. White, C. E. Treman.

Infirmary Committee.—Assistant Treasurer, C. H. Blood and the Secretary of the Medical College at Ithaca, *Ex-officio*.

35. The committee appointed to interview Director Bailey in the hope of inducing him to withdraw his resignation, reported, that in company with Professors Comstock, Stocking and Rice, they had had a meeting with the Director and had been unable to persuade him to change his action.

Whereupon, it was *Resolved*, That Director Bailey's resignation be accepted to take effect duly 31, 1913, and that President Crane prepare a suitable resolution, which is as follows :

At the meeting of the Full Board of Trustees of Cornell University held at Ithaca, June 17, 1913, the resignation of Liberty Hyde Bailey from the directorship and deanship of the New York State College of Agriculture at Cornell University was presented by the Acting President. In the hope of inducing Director Bailey to withdraw or modify

his resignation the Trustees appointed a committee of its members to confer with him and representatives of the Faculty of the College of Agriculture. The conference having failed to change Director Bailey's determination, after a report to that effect made to the Full Board, his resignation was reluctantly accepted and the Acting President was requested to embody the regrets and appreciation of the Trustees, which are herewith presented.

The Trustees of Cornell University accept with the utmost reluctance the resignation of Liberty Hyde Bailey as director and dean of the New York State College of Agriculture at Cornell University. During his service of twenty-five years he has filled the professorship of General and Experimental Horticulture and of Rural Economy, and for the last ten years has been the director of the College and dean of its Faculty.

In this long period of service he has seen the College of Agriculture grow from a department of Cornell University into a State College of national and world-wide reputation. At the same time by the power of his personality and genius he has led the movement which has entirely transformed the conceptions and conditions of rural life in this country. His influence in the State of New York has been especially profound and the generous support of the State has been due to the universal confidence in his integrity and ability, and to an appreciation of the remarkable results achieved by the College under his guidance. The graduates of the College have shown in all parts of the State that an academic education in agriculture could produce practical farmers and broad-minded citizens, and increase enormously the resources of the State.

Both within and without the College Director Bailey's influence as a scientist and scholar has been great, and he has changed the previous narrow conception of Agriculture as a technical study into a liberal education.

The loss to the University would be irreparable were his interest in it to cease with his resignation. As the grounds of his retirement are purely personal, the Trustees have most reluctantly yielded to his urgent request for leisure to carry out plans made by him many years ago for the conduct of his life and future pursuits. Whatever these may be the Trustees have his assurance that his interest in agricultural education will never flag and that he will be helpful in every possible way to the institution with which he has worked so long and to which he has shown such great and effective devotion.

The Trustees desire, finally, to express their earnest wishes for Director Bailey's future usefulness and happiness and their hope that he may enjoy a long life in which to carry out his purposes.

36. *Resolved*, That the matter of the making of the necessary new arrangements for the administration of the College of Agriculture for the coming University year, caused by the resignation of Director Bailey, be referred to the Acting President to act in consultation with the Agricultural Council, and to report to the Executive Committee for final action thereon.

37. A communication was received from the secretary of the Associate Alumni announcing the election of Cuthbert W. Pound and Franklin Matthews, as trustees for terms of five years, to succeed Messrs. Taylor and Sewell.

On motion adjourned.

CHAS. D. BOSTWICK,
Ass't Sec'y.

PROCEEDINGS
OF THE
BOARD OF TRUSTEES
OF
CORNELL UNIVERSITY

INCLUDING THE MINUTES OF THE
EXECUTIVE COMMITTEE

JUNE 12, 1912—JUNE 17, 1913

ITHACA, N. Y.
1913

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- Haylett, L. K. Apptd stenogr Civ. Eng. Coll., 28, 171.
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- Wigley, W. L. Apptd instr exp. eng., 192.
- Wilber, D. T. Apptd instr geology, 187.
- Wilder, B. Apptd asst ref. dept. Library, 26, 169.
- Wilkinson, A. E. Apptd instr and investigator horticulture, 3. Extension instr veg gardening, 266.
- Willcox, W. F. Appr. for expenses, 15. Apptd delegate to Amherst inauguration, 25. Appl. for reading asst., 51. Apptd delegate to Assoc. of Amer. Universities, 51. Leave of absence, 159. Appl. for garage, 216. Granted, 212.
- Williams, C. L. Apptd acting asst prof. of law, 159.
- Williams, E. L. To act as custodian of Cornell Central Club funds, 33. To grant partial release of Tweddle mortgage, 41. Annual report received, 62. To execute deeds of western lands sold, 97. To deliver equipment of N. Y. State Coll. of Forestry to Forestry dept. of Agr. Coll., 97. To execute contracts for Forestry and Headquarters Building of Animal Husbandry dept., 98. To sell securities, 133. To interview representative of Comptroller on accts of State Colleges, 244. To make annual report on legislative appropriations desired, 271. *Of committees*: Additional stack room in Library, 16. Changes in Goldwin Smith Hall, 16. Repairs to East Ave., 20. Alterations in Morse Hall and Sibley Dome, 33. College Land Scrip Fund, 33. Coal handling equipment, 43. Housing animals for physiology dept., 43. Chinese Students' Convention, 45. Freeville Street Railway, 47. Trustee luncheon, 47. Baker prize speaking fund, 69. Inspection of Fall Creek water shed, 105. Air analysis in Univ. buildings, 105. Fellowship in mech. and elec. eng., 129. Use of power by depts of the University, 133. Plan of organization and management of Prudence Risley Hall and Sage College, 130. Economics, 140. Circular on residential halls, 144. Alumni luncheon, 156. Land needed for University purposes, 161. Use of White Hall north basement by Coll. of Arch., 165. Paving Dryden Road, 166. Insurance of Agr. Coll. buildings, 200. Spanish ed. of Official Publications, 213. Office room for English dept, 214. Audit of Treasurer's

acct, 214. Button property, 235. Changes in Sage Coll room rent, 238. Housing students of School for Leadership in Country Life, 239. Location of fire house, 244. *Ex-officio* member of standing committees, 276.

Williams, H. S. Granted Carnegie pension, 27. Nominated prof. geology *emeritus*, 27. Elected, 61. Resolutions on his retirement, 38.

Williams, J. T. S. S. S., 132.

Williams, R. B. Re-elected trustee, 245. *Of committees*: Additional stack room in Library, 16. Changes in Goldwin Smith Hall, 16. Appointment of Prof. Sterrett to research professorship, 27. College Land Scrip Fund, 33. Acting presidency, 34. Freeville Street Railway, 47. Baker prize speaking fund, 69. Acting chairman Building Committee, 127. Office room for English dept, 214. Cornell Coöperative Soc. building, 214. Buildings, 276. Finance, 276. Music, 276.

Williams, R. M. Degree of B S. A., 132.

Williams, W. L. Prof. surgery Vet. Coll., 8, 255. Application denied, 50. Apptd supt ambulatory clinic, 85, 254.

Williams, W. W. Tuition, 50.

Wilson, A. Asst engineer and janitor Vet. Coll., 8. Engineer Vet. Coll., 255.

Wilson, A. F. Apptd instr civ. eng., 40, 190.

Wilson, C. S. Prof. pomology, 265.

Wilson, Mrs. Huntington. Gift for lecture on eugenics, 91.

Wilson, J. K. To be employed in plant physiology dept, 2, 201. Apptd instr and investigator botany, 264.

Wilson, L. A. Apptd instr exper. eng., 48. Instr eng research, 193.

Wilson, M. G. Apptd asst physician to Dispensary, dept. pediatrics, 249.

Wilson, T. B. *Of committees*: To draft bill for purchase of land for Agr. Coll., 111. Standing Committees, 127. Fellowships and scholarships, 176. Prof Orth's record, 198. Resignation of L. H. Bailey, 246.

Wilson, W. M. S. S. S., 132. Prof. meteorology, 268.

Windsor Trust Co. Made depository for uninvested funds, 58.

Wing, H. H. Appl. for garage, 214.

Granted, 242. Prof. animal husbandry, 266.

Wing, L. A. Apptd asst physician to Dispensary, dept. med., 18, 247. X-ray fellow in med., 219. Surgeon to Dispensary and clin. instr surgery, 221.

Wing, Lois. Resigns, 4.

Wing, S. R. Apptd instr exp eng., 192. Winters, J. E. Apptd prof. clin. med., dept. pediatrics, 223.

Wise, L. D. Apptd asst physician to Dispensary, dept. pediatrics, 18, 249.

Witthaus, R. A. Apptd prof. chemistry, *emeritus*, 249.

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Women Students' Self-Government Assoc., 242.

Wood, H. E. S. S. S., 132.

Wood, J. B. Apptd asst physics, 145. Free tuition, 147.

Woodbury, R. M. Apptd instr economics, 15.

Woodford, S. L. Death of, 143. Resolutions on his death, 147. Election of successor, 175, 245.

Woodford Memorial. Committee, 175.

Woodruff, E. H. Leave of absence, 159.

Woods, W. C. Apptd asst biology, 263.

Wool, K. Apptd teacher S. S. Observation School, 25.

Woolsey, G. Apptd prof. clinical surgery, 220.

Worden, S. A. Apptd janitor archaeological museum, 27, 170.

Work, P. Apptd supt and instr veg. gardening, 266.

Wright, W. W. Apptd clinical instr in med. and asst. physician to dispensary, dept. of psychopathology, 88, 225.

Wyman, P. Tuition, 238.

Wyoming Valley Truck Farms. Contract for industrial assistantship, 4.

Young, A. A. Nominated prof. economics and finance, 102. Elected, 107.

Young, F. Apptd stenogr and clerk rural ed. dept, 262, 268.

Young, Mrs. H. B. Asst prof. home economics, 268.

Yount, E. D. Apptd asst chemistry, 167. Zinnecker, W. D. S. S. S., 132.

Zoology. Appr., 142.

OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

VOLUME III

NUMBER C

REPORT OF THE TREASURER OF CORNELL UNIVERSITY FOR THE FISCAL YEAR ENDING AUGUST 1, 1912

NOVEMBER 1, 1912
PUBLISHED BY CORNELL UNIVERSITY
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REPORT OF THE TREASURER OF CORNELL UNIVERSITY

1911-1912

To the Board of Trustees:

Gentlemen:

I have the honor to submit herewith my report as Treasurer of Cornell University for the fiscal year ending July 31, 1912.

INCOME AND EXPENSE

In spite of earnest effort on the part of all concerned the year ends with an increase in the deficit of over \$36,000. The regular income for the year, after setting aside the surplus income of special funds, which by the terms of the gifts must be used for specific purposes only, and after allowing for the amount necessary to cover the contracts made under the appropriations for the year, lacked \$36,660.08 of meeting the expenses for the year. The accumulated deficit which stood at \$123,669.15 on August 1, 1911, is thereby increased to \$160,358.11. When appropriations were made at the beginning of the year, it was thought that after allowing for the \$20,000.00 to be received from the State for additional instruction given to agricultural students in the first two years of their course, that the deficit would not exceed \$8,000 or \$10,000. As a matter of fact this deficit would not have reached that amount, owing to savings in some of the appropriations made, had it not been for the additional expenditures authorized during the year, of which the more important were: \$20,000 toward reimbursing the Alumni Athletic Field Committee for additional expense involved in changing the location of the Athletic Field from the land east of the playgrounds to that portion of the Campus southwest of the general playground. This change was made to give additional land to the State College of Agriculture upon which to place new buildings, and it was hoped that the Legislature would bear the expense incidental to the change. The State, however, has as yet made no appropriation to cover this amount. Other unexpected items were: \$1,169.30 for additional insurance which it seemed wise to place upon the University buildings; \$1,085.39 for extra fuel required on account of the severe winter; \$4,377.60 for additions to the salary appropriations; \$5,000 for plans and estimates for the much needed addition to Lincoln Hall to accommodate the College of Civil Engineering; \$1,180 for architect's services in connection with the study of the land west of the present University buildings with a view to utilizing the space for the erection of dormitories; \$800 for architect's services in connection with the study of plans for replacing the present northerly row of Sibley College buildings with buildings modelled after Rand Hall and \$4,600 for changes in the roads and grading around Rand Hall, made necessary by its erection, and for necessary repairs to East Avenue. Numerous smaller items considerably in-

creased the amount, but some items of unexpected income brought the deficit down to \$36,660.08 as noted above.

Since the beginning of the present century the regular attendance has increased 100%, while the free or undesignated endowment of the University has increased only about 16% and owing to the decreasing rates of interests, the income from this free endowment has increased only 8% or about \$25,000 per year. A large part of the increase in number of students has come from the State Colleges but the State appropriations pay only a portion of their cost, and every additional student in the State Colleges, as well as every additional student in the University proper, makes an extra demand on the income from the free endowment of the University. The point has been reached where additional income must be provided if we are to continue to receive all qualified students presenting themselves for admission to the University.

NEW CONSTRUCTION

Rand Hall, the new shop building for Sibley College, the gift of Mrs. Florence Rand Lang, is completed at a cost of about \$60,000. The addition to the Infirmary is about completed and the building will be ready for occupancy with the opening of the University. For some years to come, this addition will furnish ample accommodations for students when ill, including those suffering from contagious diseases. This latter class of cases we have heretofore been unable to receive, but have had them cared for in the City Hospital.

Prudence Risley Hall, the new building for women now being erected at a cost of \$300,000, through the munificence of Mrs. Russell Sage, is well under way, and it is hoped that it will be completed by the beginning of the college year, 1913-14.

The State of New York has continued its policy of erecting needed buildings for the State Colleges of Agriculture and Veterinary Medicine. The new Horse Barn (\$20,000) for the Agricultural College is completed. The Home Economics Building (\$154,000), and the Poultry Husbandry Building (\$90,000) are approaching completion. Work is well under way on the Auditorium (\$138,000), and the Heating Plant (\$50,000) for the Agricultural College, and the Clinic and Hospital Building (\$140,000) for the Veterinary College. The Legislature in 1912 provided for the construction of a Headquarters Building for the Department of Animal Husbandry (\$91,000), a Stock Judging Pavilion (\$38,000), an extension of the Agronomy Building (\$100,000), and a Forestry Section of the Plant Industry Building (\$100,000). Plans for these buildings are being prepared and it is hoped that contracts will be awarded this fall.

At the close of the year 1912-13, Cascadilla Building, which has served the University since its founding as a general boarding house, will be overhauled and converted into a dormitory for men students.

POWER DEVELOPMENT

The power and light needs of the University have increased so rapidly that the capacity of the present Power Plant, installed in 1905, has been reached, and during the year to come it will be necessary to purchase considerable power. The present plant has shown itself efficient and economical.

An increased storage capacity to tide over periods of low water, would make possible a very large increase in the capacity of the University plant. About three miles east of Beebe Lake, the Fall Creek Valley is well suited for the erection of a dam and storage reservoir. The requisite territory for its construction has been purchased by the University at a cost of about \$38,000, which is carried as an advance from University funds to be provided later when the Storage Plant and the increase in the equipment of the Power House is arranged for. It is hoped that funds for the construction of this Storage Plant may be found in the near future, as it will not be long before our expenditure for power will exceed the interest on the cost of such a plant.

SUMMARY OF INCOME

In accordance with the policy of the University of keeping the accounts of the State appropriations and property distinct from the University funds, it will be noted that the figures in this report do not include the appropriations of the New York State College of Agriculture, the New York State Veterinary College, or the New York State College of Forestry, unless specifically mentioned.

Income for year 1911-12:

| | | |
|---|----------------|-----------------------|
| University at Ithaca (See Schedule I) | | \$1,382,833.79 |
| University at New York (See Schedule I) | | 203,152.28 |
| | | <u>1,585,986.07</u> |
| Expended at Ithaca (See Schedule I) | \$1,194,807.75 | |
| " " New York (See Schedule I) | 208,822.10 | |
| Increase in amount due Special Funds | 210,081.73 | |
| " in reappropriations | 8,934.57 | 1,622,646.15 |
| | | <u>36,660.08</u> |
| Deficit of Income year 1911-12 | | |
| Add accumulated deficit August 1, 1911 | 123,669.15 | |
| Amount of Byron Industrial Fellowship deducted in error from amount due special funds last year | 28.88 | 123,698.03 |
| | | <u>\$160,358.11</u> |
| Total deficit August 1, 1912 | | |
| Summarized as follows: | | |
| Amount due special funds \$287,930.59 | | |
| Byron Industrial Fellowship deducted in error last year 28.88 | 287,959.47 | |
| Amount due to complete contracts | 28,268.76 | |
| | | <u>316,228.23</u> |
| Less cash surplus | 155,870.12 | |
| | | <u>160,358.11</u> |
| Total Income (except State Colleges) | | 1,585,986.07 |
| Received from New York State for Veterinary College (See Schedule I) | 58,048.46 | |
| Received from fees, etc | 7,163.60 | 65,212.06 |
| Received from New York State for State Col- lege of Agriculture (See Schedule I) | 419,951.65 | |
| Received from fees, sale of stock, etc | 196,384.89 | 616,336.54 |
| | | <u>\$2,267,534.67</u> |
| Received from Carnegie Foundation for pen- sions to retired professors | | \$27,609.83 |

CONDENSED AND COMBINED INCOME STATEMENT

| | University at Ithaca | University at New York | State Vet. College | State Agr. College | Total |
|---------------------------------------|-------------------------|---------------------------|-----------------------|-----------------------|----------------|
| Tuition | \$322,258.70 | \$8,355.00 | \$800.00 | \$7,849.16 | \$339,262.86 |
| Summer Session | 24,553.30 | | | 1,245.00 | 25,798.30 |
| Laboratory and other fees | 103,587.93 | 2,998.27 | 2,255.95 | 14,212.96 | 123,055.11 |
| Total from Students | \$450,399.93 | \$11,353.27 | \$3,055.95 | \$23,307.12 | \$488,116.27 |
| From Invested Funds | 422,745.88 | 6,408.84 | | | 429,154.72 |
| College Land Scrip Fund | 34,428.80 | | | | 34,428.80 |
| From United States | 72,500.00 | | | | 72,500.00 |
| From State of New York | | | | | 478,000.11 |
| Sage College and Cottage | 16,280.06 | | 58,048.46 | 419,951.65 | 16,280.06 |
| Rents of Buildings | 9,448.12 | | | | 9,448.12 |
| Donations to current Income | 15,391.04 | 180,000.00 | | | 195,391.04 |
| Donations for increase of Plant | 335,000.00 | | | | 335,000.00 |
| Departments (not from students) | 5,654.59 | 4,537.66 | 3,781.54 | 172,202.60 | 186,176.39 |
| Miscellaneous | 20,985.37 | 852.51 | 326.11 | 875.17 | 23,039.16 |
| | \$1,382,833.79 | \$203,152.28 | \$65,212.06 | \$616,336.54 | \$2,267,534.67 |

CONDENSED AND COMBINED EXPENSE STATEMENT

| | | | | | |
|--|----------------|--------------|-------------|--------------|----------------|
| Salaries of Instruction and Research | \$505,513.11 | \$116,266.17 | \$30,170.87 | \$115,211.31 | \$767,161.46 |
| Departments | 133,529.64 | 32,904.47 | 8,903.70 | 243,837.45 | 419,175.26 |
| Administrative Salaries | 38,478.23 | 6,720.00 | 1,103.26 | 12,448.00 | 58,809.49 |
| General Expense | 121,724.72 | 52,431.46 | 10,354.69 | 47,997.20 | 232,208.07 |
| Prizes, Scholarships, Fellowships, and Loans | 49,303.94 | 500.00 | | | 49,803.94 |
| Sage College and Cottage | 19,284.31 | | | | 19,284.31 |
| Summer Session | 27,800.00 | | | 7,740.63 | 35,540.63 |
| Agricultural Experiment Station | 27,997.13 | | | | 27,997.13 |
| Library | 44,233.84 | | | | 44,233.84 |
| New Buildings | 138,760.78 | | | | 291,041.82 |
| Alterations | 22,481.00 | | 10,588.36 | | 26,759.07 |
| Special Extension Work | | | | 141,692.68 | 4,278.07 |
| Grading Roads and Walks | | | 5,868.45 | 40,071.17 | 45,939.62 |
| Special Gladiola Investigation | 5,981.37 | | | 3,004.00 | 8,985.37 |
| Income transferred to Principal | 13,848.76 | | | 392.95 | 392.95 |
| Relocation Athletic Field | 20,000.00 | | | | 13,848.76 |
| Miscellaneous | 25,870.92 | | | | 20,000.00 |
| | \$1,194,807.75 | \$208,822.10 | \$67,049.33 | \$616,373.46 | \$2,087,052.64 |

TOTAL PROPERTY

The property of the University increased during the year as follows:

| | August 1, 1911 | August 1, 1912 | Increase |
|---|-----------------|-----------------|----------------|
| Productive Funds..... | \$8,737,108.44 | \$9,523,405.50 | \$786,297.06 |
| Income due Special Funds.. | 77,848.86 | 287,930.59 | 210,081.73 |
| Profit on Foreclosure Prop- erty | 28,287.63 | 28,287.63 | |
| | | | <hr/> |
| Premium and discount..... | 142,575.49 | 105,703.67 | 996,378.79 |
| | | | *36,871.82 |
| | <hr/> | <hr/> | <hr/> |
| | \$8,985,820.42 | \$9,945,327.39 | \$ 959,506.97 |
| Less deficit of Income not including amount due to complete contracts | 104,334.96 | 132,060.47 | 27,725.51 |
| | <hr/> | <hr/> | <hr/> |
| | \$8,881,485.46 | \$9,813,266.92 | \$ 931,781.46 |
| Real Estate account | 3,996,527.02 | 4,002,647.18 | 6,120.16 |
| Equipment..... | 1,839,985.09 | 1,902,099.63 | 62,114.54 |
| | <hr/> | <hr/> | <hr/> |
| | \$14,717,997.57 | \$15,718,013.73 | \$1,000,016.16 |
| Buildings in course of con- struction | | 219,430.59 | 219,430.59 |
| Total University Property exclusive of the value of 1,160 acres of Western Lands | \$14,717,997.57 | \$15,937,444.32 | 1,219,446.75 |
| State College Buildings ... | 491,796.67 | 646,752.91 | 154,956.24 |
| State College Equipment .. | 200,795.69 | 225,370.24 | 24,574.55 |
| | <hr/> | <hr/> | <hr/> |
| | \$15,410,589.93 | \$16,809,567.47 | \$1,398,977.54 |

The Productive Funds account represents the total endowment of the University, together with certain funds in which the University has a contingent interest. They are the income-producing funds.

The principal increase during the year was \$644,650.20 received from the executors of the estate of Mr. Goldwin Smith under the residuary clause of his will; \$100,000 from Mr. Jacob H. Schiff as an endowment fund, the income from which is to be used for the promotion of studies in German Culture; \$3,000 from Mr. William Metcalf, jr., to endow the A. H. R. Fraser Fellowship in the College of Law; and \$2,000 from Mr. Alexander J. Wurts in memory of his mother, Laura Jay Wurts, the income to be loaned to students in Sibley College. For increasing this fund the students of Sibley College have themselves contributed \$264.74.

The kind of securities in which the funds of the University are invested is shown by the following table:

*Decrease.

TREASURER'S REPORT

CLASSIFICATION OF INVESTMENTS

| | Aug. 1, 1911 | | Aug. 1, 1912 | |
|------------------------------|--------------|----------------|--------------|----------------|
| Municipal Bonds..... | .110 | \$978,800.00 | .096 | \$947,590.52 |
| State of New York Scrip. . . | .078 | 688,576.12 | .070 | 688,576.12 |
| Foreign Government Bonds | .034 | 299,844.00 | .030 | 290,096.00 |
| Bank Stock | .009 | 81,200.00 | .008 | 81,200.00 |
| Steam Railroad Bonds | .139 | 1,234,600.00 | .132 | 1,295,600.00 |
| Railroad Equipment Notes. | .040 | 350,000.00 | .036 | 349,000.00 |
| Traction Bonds..... | .115 | 1,018,000.00 | .103 | 1,004,970.00 |
| Light & Power Co. Bonds.. | .140 | 1,240,000.00 | .123 | 1,210,000.00 |
| Lumber Bonds..... | .048 | 430,000.00 | .036 | 354,000.00 |
| Miscellaneous Corp'n. Bonds | .097 | 858,500.00 | .102 | 983,253.50 |
| Stock, other than Bank | .040 | 352,300.00 | .085 | 837,150.00 |
| Loans on Collateral..... | .011 | 102,977.50 | .008 | 79,477.50 |
| Real Estate Mortgages..... | .121 | 1,078,290.00 | .146 | 1,431,106.47 |
| Land Contracts..... | .003 | 25,290.55 | .001 | 8,449.69 |
| Real Estate | .012 | 111,406.70 | .013 | 130,398.88 |
| Special Deposits | | 3,998.73 | | 5,029.22 |
| Cash and Ledger Balances.. | .003 | 27,701.86 | .011 | 117,369.02 |
| | 1.000 | \$8,881,485.46 | 1.000 | \$9,813,266.92 |

The average rate of interest on the above is 5.08%. The average rate received during the past year was 5.065%.

DONATIONS

The following is a list of gifts to the University which passed through this office. It does not include many donations made directly to Departments.

| | |
|--|-----------------------|
| American Steel & Wire Company for Fellowship | \$2,000.00 |
| American Guernsey Cattle Club for Fellowship | 400.00 |
| Bethany-Batavia Fruit Growers' Association for Fellowship | 1,550.00 |
| Byron Fruit Growers' Association for Fellowship | 775.00 |
| Davey Tree Expert Co., for J. M. Davey Fellowship | 500.00 |
| Union Sulphur Co. for Herman Frasc Fellowship | 5,000.00 |
| Holstein Friesian Association for Scholarship | 400.00 |
| Newfane Fruit Growers' Association for Fellowship | 375.00 |
| Oswego Fruit Growers' Association for Fellowship | 300.00 |
| W. B. Rogers for Fellowship | 250.00 |
| Stuart-Chase-Brown-Perkins for Fellowship | 2,600.00 |
| Genesee Fruit Growers' Association for Fellowship | 325.00 |
| Alexander J. Wurts for Wurts' Loan Fund | 2,264.74 |
| Wyoming Valley Truck Farm for Fellowship | 500.00 |
| Willard Fiske Estate for Account Fund | 24.00 |
| Frigga Fylge Society for Agricultural Student Loan Fund | 166.04 |
| Wm. Metcalf, Jr., for A. H. R. Fraser Fellowship | 3,000.00 |
| Florence Rand Lang for Rand Hall (balance) | 35,000.00 |
| Mrs. Russell Sage for Prudence Risley Hall | 300,000.00 |
| Jacob H. Schiff for Endowment for the promotion of studies in German Culture | 100,000.00 |
| Goldwin Smith Estate for Endowment Fund | 644,650.40 |
| J. T. Morrison for James T. Morrison Prize | 100.00 |
| A. R. Eastman for Prize in College of Agriculture | 100.00 |
| Andrew D. White for Books | 77.27 |
| W. H. Hollingsworth for Hollingsworth Honorarium | 50.00 |
| Col. O. H. Payne for Medical College, New York City | 180,000.00 |
| | \$1,280,407.45 |

The Productive Funds of the University with the purpose for which the fund is intended and the income received during the year are as follows:

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|--------------|-----------------------|--------------|-----------------------------|
| Agricultural Student Loan Fund: | | | | |
| Gift of the School of Practical Agriculture and Horticulture at Briercliff, N. Y., to aid students in the Agricultural College who are working their way through. Established 1908 | \$ 298.01 | | \$ 298.01 | \$ 15.09 |
| Alumni Fund: | | | | |
| Consists of the contributions of Alumni through the Cornellian Council | | | | |
| Alumni Loan Fund: | | | | |
| Money advanced by Alumni to guarantee expenses of the Cornellian Council | 5,282.04 | \$7,991.55 | 13,273.59 | 366.78 |
| Alumni Endowment Fund: | | | | |
| Gift of Alumni to the Endowment Fund of the University. Established 1908 | 2,085.00 | *395.00 | 1,690.00 | 101.30 |
| Barnes Library Endowment Fund: | | | | |
| Gift of Mrs. Harriet Barnes Newberry and A. Victor Barnes in memory of their father, the late Alfred Cutler Barnes. Established 1904 | 500.00 | | 500.00 | 25.32 |
| Mrs. A. S. Barnes Shakespeare Prize Fund: | | | | |
| Gift of Mrs. A. S. Barnes, the income to be appropriated as a prize to the undergraduate student who shall present the best essay upon the writings of Shakespeare. Established 1887 | 5,000.00 | | 5,000.00 | 253.25 |
| Cottage Renewal Fund: | | | | |
| Consists of the surplus income from the Cottages owned by the University, in excess of 5½% of the investment value transferred annually to current income; the fund to be held to renew the cottages or replace the investment therein. Established 1904 | 1,000.00 | | 1,000.00 | 50.65 |
| Philo Sherman Bennett Fund: | | | | |
| Gift from the estate of Mr. Bennett, the income to be used for a prize for the best essay discussing the Principles of Free Government. Established 1905 | 12,393.47 | 3,429.13 | 15,822.60 | 627.76 |
| Class '86 Memorial Prize Fund: | | | | |
| Gift of the Class of 1886, the income to be awarded annually as a prize in Junior Oratory | 400.00 | | 400.00 | 20.26 |
| | 1,886.00 | | 1,886.00 | 95.52 |

*Deduction

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|--------------|--------------------------|--------------|-----------------------------------|
| Class '91 Memorial Fund: | | | | |
| Gift of Class of 1891, the income to be added to the principal until class action. Established 1891 | \$ 640.96 | \$ 32.45 | \$ 673.41 | \$ 32.45 |
| Class '94 Memorial Prize Debate Fund: | | | | |
| Gift of the Class of 1894, as a foundation of a prize in debate | 1,894.00 | | 1,894.00 | 95.93 |
| Class '96 Memorial Fund: | | | | |
| Gift of the Class of 1896, as a nucleus for a fund which shall be used for the establishment of a University Club | 964.18 | 48.82 | 1,013.00 | 48.82 |
| Class '97 Memorial Fund: | | | | |
| Gift of Class of 1897, for furthering the plan of a University Club | 1,596.98 | 80.89 | 1,677.87 | 80.89 |
| Class '98 Memorial Fund: | | | | |
| Gift of Class of 1898 to be added to the fund for the establishment of a University Club | 415.18 | 21.02 | 436.20 | 21.02 |
| Class of 1908 Fund: | | | | |
| Established by Class of 1908 to be invested with University funds, the income on \$500 less 5% transferred to University Surplus Fund to be paid over to Class Secretary. When no longer needed by the Class the fund is to revert to the University for general University purposes unless the Class at some regular meeting designates a particular University purpose for its use. Established 1908 | . | | | |
| Class of 1912 Fund: | | | | |
| Established by the Class of 1912 to be invested by the University with its funds, the income less 5% transferred to the University Surplus or Insurance Fund to be subject to the call of the life Secretary of the Class. The fund, when no longer needed by the Class to revert to the University for general University purposes unless the Class at some five year reunion meeting designate a particular University purpose for its use. Established 1912 | 1,603.19 | 56.19 | 1,659.38 | 81.19 |
| College Land Scrip Fund: | | | | |
| Consists of the proceeds received by the State of New York from the sale of the Land Scrip apportioned to the State by the U. S. under the Morrill Act of 1862 | | 813.38 | 813.38 | |
| Cornell Endowment Fund: | | | | |
| Consists of the \$500,000 given by Ezra Cornell, pursuant to his agreement with the State, for the founding of the University, together with the net profits derived from the sale of lands located under the scrip purchased by him under his contract with the State, of Aug. 4, 1866 .. | 688,576.12 | | 688,576.12 | 34,428.80 |
| | 4,930,497.91 | 428.88 | 4,930,836.79 | 249,761.51 |

| | | | |
|--|--|--|--|
| Cornell Endowment Reserve Fund: | | | |
| Established in 1898 by setting aside the Land Contracts and proceeds from future sales of Western Lands, the principal and income to be used only for addition to Cornell Endowment Fund..... | | | |
| Cornell Infirmary Fund: | | | |
| Gift of Messrs. Dean and William H. Sage, the income to be used for the maintenance and needs of the Cornell Infirmary, established by them as a memorial to their father, Henry W. Sage, said Infirmary being the former residence of Henry W. Sage and valued at \$60,000. Established 1897..... | | | |
| Caroline Corson French Prize Fund: | | | |
| Gift of Professor Hiram Corson in memory of his wife Caroline Rollin Corson, the income to be awarded as a French Prize. Established in 1902 as a Dante Prize and converted into a French Prize in 1905.... | | | |
| Hiram Corson Browning Prize Fund: | | | |
| Gift of Professor Hiram Corson, the income to be awarded as a Browning Prize. Established 1902..... | | | |
| Daughters of the Revolution Endowment Fund: | | | |
| Gift of Miss Mary F. Hall, in honor of the N. Y. State Society of the Daughters of the Revolution, the income to be added to the fund during Miss Hall's lifetime and then, provided principal amounts to \$1,000 to be used for the publication of such original studies in American History as are of permanent value, or as a suitable prize or prizes for research of superior attainment in American History. Established 1908..... | | | |
| Fayerweather Fund: | | | |
| Gift under the will of Daniel B. Fayerweather. Established 1892 | | | |
| Willard Fiske Library Endowment Fund: | | | |
| Gift under the will of Willard Fiske, to be used and expended for the uses and purposes of the Library of the University. Established 1906 | | | |
| Willard Fiske Icelandic Book Fund: | | | |
| Gift under the will of Willard Fiske, the income to be used for the purpose of making additions to the Icelandic Collection in the Library of the University. Established 1906..... | | | |
| Willard Fiske Icelandic Salary Fund: | | | |
| Gift under the will of Willard Fiske, the income to be used for the purpose of paying the salary of an Icelandic amanuensis, whose time shall be given to the care of the Icelandic collection and who shall be a native of Iceland, educated, or principally educated in Iceland, and recommended for the said work by the Rector of the Latin School of Reykjavik. Established 1906..... | | | |

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|--------------|-----------------------|--------------|-----------------------------|
| Willard Fiske Petrarch Book Fund: Gift under the will of Willard Fiske, the income to be used for the purpose of increasing the Petrarch and Dante collections in the Library of the University. Established 1906..... | \$ 6,000.00 | | \$ 6,000.00 | \$ 303.90 |
| Willard Fiske Petrarch Salary Fund: Gift under the will of Willard Fiske, the income to be used in paying the salary or a part of the salary of a capable amanuensis, a portion of whose time shall be given to the care of the Petrarch and Dante collections. Established 1906..... | 12,000.00 | | 12,000.00 | 607.80 |
| Willard Fiske Icelandic Publication Fund: Gift under the will of Willard Fiske, the income to be used for the purposes of the publication of an annual volume relating to Iceland and the Icelandic collection in the Library of the University. Established 1906..... | 5,000.00 | | 5,000.00 | 253.25 |
| R. P. Flower Library Endowment Fund: Established in 1901 by a gift of Mrs. Sarah M. Flower of \$10,000, the income to be used for the purchase and binding of books and periodicals for the Roswell P. Flower Library, founded by Governor Flower for the Veterinary College, by a gift of \$5,000 in 1897. \$1,000 remaining unexpended at the time of his death is added to the endowment... The Fraser Scholarships Fund: Gift of William Metcalf, jr., LL.B., 1901, of Pittsburgh, Pa., in memory of Alexander Hugh Ross Fraser for eighteen years librarian of the Law Library, the income to be awarded in two scholarships to seniors in Law, the award to be based on scholarship, financial need and character. Established 1911..... | 11,000.00 | | 11,000.00 | 557.15 |
| Fuertes Medal Fund: Gift of the late Estevan A. Fuertes, the income to provide two medals, to be awarded annually: one to the student graduating, who has maintained the highest degree of scholarship during his four years; the other to the graduate, who may write a meritorious paper on some engineering subject. Established 1893..... | | \$3,000.00 | \$ 3,000.00 | 150.00 |
| General Fund: Consists of the endowment of not less than \$100,000 available for the maintenance of Rockefeller Hall; required as a condition precedent to John D. Rockefeller's gift..... | 1,000.00 | | 1,000.00 | 50.65 |
| | 106,000.00 | | 106,000.00 | 5,368.90 |

Goldwin Smith Fund:

Gift under the will of Goldwin Smith to be used for promotion especially of liberal studies; language ancient and modern, literature, philosophy, history and political science, for which provision was made in Goldwin Smith Hall. Established 1911

\$ 25,000.00 \$644,650.40 \$669,650.40 \$20,129.80

Guiteau Student Loan Fund:

Gifts under the wills of Frederick W. Guiteau and Mrs. Nancy G. Howe (\$94,689.03), the income to be used in advancing and assisting needful worthy young men in pursuing their studies in the University. Established 1904

239,222.35 6,104.90 245,327.25 12,116.59

Guilford Essay Prize Fund:

Gift under the will of James B. Guilford to establish a prize the object whereof shall be the promotion of a high standard of excellence in English prose composition. Established 1902

3,000.00 3,000.00 151.95

Mary F. Hall Scholarship Fund:

Gift of Miss Mary F. Hall, the income to be paid to her during her lifetime, and at her death to be used for scholarships. Established 1902

16,500.00 16,500.00 835.73

Lucy Harris Book Fund:

Gift of George W. Harris as a memorial to his wife, Lucy Thurber Harris, the income to be expended each year in the purchase of English Poetry of the Victorian Era and of biography and criticism connected therewith. Established 1893

1,000.00 1,000.00 50.65

Law School Fund:

Gift of Douglass Boardman, the income to be used for a Law Prize. Established 1887

2,000.00 2,000.00 101.30

Henry W. Sage Library Endowment Fund:

Gift of Henry W. Sage for endowment of Library. Established 1891

300,000.00 300,000.00 15,195.00

Susan E. Linn Sage Professorial Fund:

Gift of Henry W. Sage to endow the Chair of Ethics and Philosophy. Established 1885

50,000.00 50,000.00 2,532.50

Susan E. Linn Sage School of Philosophy Fund:

Gift of Henry W. Sage to enlarge the basis of the Susan Linn Sage Foundation and establish the Susan Linn Sage School of Philosophy. Established 1891

200,000.00 200,000.00 10,130.00

Loomis Laboratory Fund:

Consists of the Endowment of the Loomis Laboratory turned over to the University by its Trustees at the time the Laboratory was transferred to Cornell. Established 1899

118,176.79 118,176.79 5,985.66

Luana L. Messenger Prize Fund:
 Gift of H. J. Messenger in memory of his mother, for an annual prize to the student writing the essay giving evidence of the best research and most fruitful thought in the field of human progress or the evolution of civilization. Established 1902.....

Frank William Padgham Scholarship:
 Gift of Amos Padgham to found a scholarship in Sibley College in memory of his son. Established 1892.....

Polish Student Loan Fund:
 Gift from Polish students at Cornell to be disbursed to candidates presented by members of the Polish Club of the University. Established 1909.....

John Metcalf Polk Prize Fund:
 Gift of Wm. M. Polk to found a prize in the Cornell Medical College at N. Y., in memory of his son. Established 1905.....

Professorial Pension Fund:
 Anonymous gift of \$150,000 to found a pension fund for full professors, excluding professors in the Medical College in New York City, or in State or National Institutions at Ithaca or elsewhere, together with the income received thereon. Established 1903.....

Professorial Pension Income Fund:
 Consists of the payments by professors admitted to the benefits of the Pension Fund, with accrued income.....

Charles H. Roberts Scholarship Fund:
 Gift of Charles H. Roberts of Oakes, Ulster Co., New York, the income to be used in the payment of five equal annual scholarships in the College of Agriculture, and open to all races of mankind, regardless of color, or political or religious creeds, of good moral character and required qualifications, preference to be given to intelligence and financial inability. Established 1906.....

Sage College Endowment Fund:
 Gift of Henry W. Sage. Established 1872.....

Dean Sage Sermon Fund:
 Gift of Dean Sage in 1872, as an endowment of Sage Chapel and increased by recent gifts from Mrs. Sage.....

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|-------------|--------------|-----------------------|--------------|-----------------------------|
| \$ 1,000.00 | \$ 1,000.00 | | \$ 1,000.00 | \$ 50.65 |
| 3,000.00 | 3,000.00 | | 3,000.00 | 151.95 |
| 100. 00 | 100. 00 | | 100.00 | 5.06 |
| 10,000.00 | 10,000.00 | | 10,000.00 | 506.50 |
| 226,267.18 | \$11,460.42 | | 237,727.60 | 11,460.42 |
| 23,965.98 | 3,216.92 | | 27,182.90 | 1,213.88 |
| 30,000.00 | | | 30,000.00 | 1,200.00 |
| 109,300.00 | | | 109,300.00 | 5,519.65 |
| 75,000.00 | | | 75,000.00 | 3,798.75 |

Frances Sampson Fine Arts Prize:

ances Sampson Fine Arts Prize:
 Gift of Professor Martin W. Sampson in memory of his wife, to be
 awarded in books or artistic reproductions and not in money, to that
 student in the University who shows the most intelligent appreciation
 of the graphic arts and architecture. Established 1909

Wm. C. Seidel Book Fund:

Mr. C. Seidel Book Fund:
Gift of Mr. and Mrs. Gerritt S. Miller, the income to be used to purchase
books for poor young men working their way through the College of
Civil Engineering. Established 1905

Sibley College Endowment Fund:

Gift of Hiram Sibley. Established 1884.....

The Jacob H. Schiff Endowment:

For the promotion of Studies in German Culture. Established 1912...

Iddson N. Smith Scholarship Fund:

Gift of Mrs. Sarah L. Smith to found a scholarship in the College of Civil Engineering in memory of her son, and to be awarded, under such rules as the University may exact, on the basis of intelligence and financial inability, provided, however, that the student be of good moral character and meet the required qualifications. Interest at the rate of 4 per cent upon the fund to be paid to Mrs. Smith during her lifetime, the Scholarship taking effect at her death.
Scholarship for Young Women Fund.

James of Spencer Scholarship for Young Women Fund:

Gift of Miss Mary F. Hall to found a scholarship for young women, of the town of Spencer, N. Y., the income, however, to be paid to her during her lifetime

Surplus Fund:

Surplus Fund:
Consists of 5% on annual income to cover such losses as may occur through bad investments, fire, or otherwise. Established 1886.
Accumulations used for purchase of land and erection of buildings and for several years past returned to current income to help meet annual deficit.

H K White Prize Fund:

H. K. White Prize Fund:
Gift of Horace K. White, the income to be awarded as prizes to meritorious students in Veterinary Science.....

Women's Guild Fund:

Women's Guild Fund:
The gift of women interested in the University, the income to be used to
aid needy sick students. Established 1892

| | \$ 600.00 | \$ 600.00 | \$ 30.39 |
|-----------|--------------|-----------|----------|
| 1,000.00 | 1,000.00 | | 50.65 |
| 50,000.00 | 50,000.00 | | 2,532.50 |
| | \$100,000.00 | | 2,658.33 |
| 3,250.00 | 3,250.00 | | 164.61 |
| 2,500.00 | 2,500.00 | | 126.63 |
| 105.56 | 110.90 | 5.34 | 5.34 |
| 500.00 | 500.00 | | 25.33 |
| 6,557.41 | 6,557.41 | | 332.11 |

Women Student's Loan Fund:
 Consists of former Student's Loan Fund, the income to be loaned, to
 needy women students.....
 Woodford Medal Fund:
 Gift of Trustee Stewart L. Woodford for prizes in Oratory. Established
 1870
 Wurts Loan Fund:
 Gift of \$2,000 by Alexander Jay Wurts in memory of his mother, Laura
 Jay Wurts, the income to be loaned to students of Sibley College to
 "help lift the man's burden from the boy's shoulders". Additions by
 Sibley students. Established 1912

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|----------------|--------------------------|----------------|-----------------------------------|
| | \$ 8,535.80 | \$1,171.12 | \$9,706.92 | \$432.35 |
| | 2,500.00 | | 2,500.00 | 126.63 |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$8,737,108.44 | \$786,297.06 | \$9,523,405.50 | \$463,583.52 |
| | | 2,264.74 | 2,264.74 | 44.60 |

Respectfully submitted,
 E. L. WILLIAMS,
 Treasurer.

APPENDIX

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SCHEDULE I**INCOME****University at Ithaca.****Income from students:**

| | | |
|---|--------------|--------------|
| Tuition Regular Session, 1911-12 | \$300,600.20 | |
| Deferred tuition received | 681.00 | |
| State account Agricultural students | 20,000.00 | |
| Summer Session | 24,553.30 | |
| Student Notes paid | 977.50 | \$346,812.00 |

General Fees:

| | | |
|------------------------------|-----------|-----------|
| Graduation Fees | 9,862.05 | |
| Gymnasium Fees | 7,046.00 | |
| Matriculation Fees | 7,480.00 | |
| Infirmary Fees | 17,503.00 | |
| Infirmary Extras | 2,826.54 | 44,717.59 |

Laboratories:

| | | |
|-----------------------------|-----------|-----------|
| Architectural | 80.50 | |
| Botanical | 3,205.30 | |
| Chemical | 27,802.39 | |
| Civil Engineering | 645.75 | |
| Geological | 1,085.25 | |
| Medical | 985.90 | |
| Neurological | 255.00 | |
| Physical | 3,295.50 | |
| Physical Culture | 1,538.25 | |
| Sibley Fees | 19,976.50 | 58,870.34 |

Dormitories:

| | | |
|------------------------|-----------|-----------|
| Sage College | 13,831.95 | |
| Sage Cottage | 2,448.11 | 16,280.06 |

Income from Investments (See Productive Funds):

| | | |
|--|------------|------------|
| From Invested Funds | 429,154.72 | |
| Land Grant Act, July 2, 1862 | 34,428.80 | 463,583.52 |

Congressional Industrial Fund:

| | | |
|--|-----------|-----------|
| Morrill Act, August 30, 1890 | 25,000.00 | |
| Nelson Act, March 4, 1907 | 25,000.00 | 50,000.00 |

Experiment Station:

| | | |
|-------------------------------------|-----------|-----------|
| Hatch Act, March 2, 1887 | 11,250.00 | |
| Adams Act, March 16, 1906 | 11,250.00 | |
| Income | 84.23 | 22,584.23 |

Gifts for Current Expenses:

| | | |
|---|--------|--|
| Agricultural Debate Prize | 100.00 | |
| Frigga Fylge Agricultural Scholarship | 166.04 | |
| Hollingsworth Honorarium | 50.00 | |
| J. T. Morrison Prize Fund | 100.00 | |

Industrial Fellowships:

| | | |
|---|----------|--|
| American Jersey Cattle Club | 400.00 | |
| American Steel & Wire Co. | 2,000.00 | |
| Bethany-Batavia Fruit Growers Assn. | 1,550.00 | |

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| | | |
|-------------------------------------|-----------|--------------|
| Byron Fruit Growers Association.... | \$ 775.00 | |
| John M. Davey..... | 500.00 | |
| Genesee Fruit Growers Association.. | 325.00 | |
| Herman Frasch..... | 5,000.00 | |
| Holstein-Friesian | 400.00 | |
| Newfane Fruit Growers Association.. | 375.00 | |
| Oswego County Fruit Growers Assn.. | 300.00 | |
| W. P. Rogers | 250.00 | |
| Stuart-Chase-Brown-Perkins | 2,600.00 | |
| Wyoming Valley Truck Growers.... | 500.00 | \$ 15,391.04 |

Gifts for Additions to Plant:

| | | |
|---|------------|------------|
| Mrs. Florence O. R. Lang for Rand Hall..... | 35,000.00 | |
| Mrs. Russell Sage for Prudence Risley Hall..... | 300,000.00 | 335,000.00 |

Rents:

| | | |
|------------------------------------|----------|----------|
| Cascadilla Building..... | 7,106.81 | |
| Cornell Co-Operative Society | 1,301.37 | |
| Freese Farm House..... | 44.00 | |
| Ground Rent..... | 41.00 | |
| Hasbrouck Property..... | 275.00 | |
| Military Hall and Gymnasium Rent | 114.94 | |
| Morse Hall (Photograph Rooms).... | 250.00 | |
| Safe Deposit Boxes..... | 90.00 | |
| Sibley Basement Restaurant..... | 225.00 | 9,448.12 |

Miscellaneous:

| | | |
|---|-----------|-----------|
| Civil Engineering Commercial Account | 969.69 | |
| Civil Engineering Survey Camp Board Account | 2,797.00 | |
| Mechanical Laboratory Commercial Account | 1,344.50 | |
| Mechanical Department | 543.40 | |
| Interest Student Notes | 350.38 | |
| Musical Entertainments | 75.62 | |
| Educational Studies | 49.10 | |
| Classical Studies | 40.11 | |
| Philosophical Review. | 944.22 | |
| Physical Review | 5,397.45 | |
| History and Political Science Studies | 163.94 | |
| Ten Year Book | 47.00 | |
| Interest on Risley Hall Money | 12,500.00 | |
| Interest on Rand Hall Money..... | 1,333.32 | 26,555.73 |

\$1,389,242.63

The 5% to be Surplus was ordered restored to income this year and is not deducted.

Deduct: Transferred to account of Medical College at New York and shown below:

| | | |
|------------------------------------|------------|----------------|
| Income on Loomis Laboratory Endow. | \$5,908.84 | |
| Income on J. M. Polk Prize | 500.00 | \$6,408.84 |
| | | \$1,382,833.79 |

Brought Forward \$1,382,833.79

University at New York.

Income from students:

| | | |
|----------------------------|------------|------------|
| Tuition, Regular | \$6,985.00 | |
| Special Courses | 1,370.00 | \$8,355.00 |

General Fees:

| | | |
|------------------------------|--------|--------|
| Final Examinations | 275.00 | |
| Matriculation Fees | 210.00 | 485.00 |

Laboratories:

| | | |
|--------------------|--------|----------|
| 1st year | 665.00 | |
| 2d year | 805.00 | |
| 3d year | 665.00 | |
| 4th year | 275.00 | |
| Breakage | 103.27 | 2,513.27 |

Income from Investments:

| | | |
|---------------------------------------|----------|----------|
| Loomis Laboratory Endowment | 6,025.49 | |
| John M. Polk Prize Fund | 500.00 | 6,525.49 |

Gifts for Current Expenses:

| | | |
|---------------------------|--|------------|
| Oliver H. Payne | | 180,000.00 |
|---------------------------|--|------------|

| | | |
|--------------------------------|----------|----------------|
| Pathology Department | 6.96 | |
| Dispensary | 4,414.05 | |
| Telephone | 302.83 | |
| Interest on Deposits | 549.68 | 5,273.52 |
| | | \$203,152.28 |
| | | \$1,585,986.07 |

State Veterinary College.

Income from students:

| | | |
|-------------------|--------|--------|
| Tuition | 800.00 | 800.00 |
|-------------------|--------|--------|

Laboratories:

| | | |
|--------------------------|--------|----------|
| Anatomy | 634.00 | |
| Bacteriology | 414.00 | |
| Materia Medica | 266.15 | |
| Pathology | 135.00 | |
| Physiology | 224.55 | |
| Surgery | 480.00 | |
| Urine Analysis | 102.25 | 2,255.95 |

Income from grant by State:

| | | |
|--|-----------|-----------|
| For maintenance, etc., Chap. 810, Laws 1911 | 47,500.00 | |
| Clinic & Hospital Bldg., Chap. 164, Laws 1911 | 10,548.46 | 58,048.46 |

| | | |
|----------------------------------|----------|-----------|
| Clinics and Medicine | 2,094.52 | |
| Hog Cholera Serum | 718.90 | |
| Tuberculin Mallein, etc. | 968.12 | |
| Miscellaneous | 326.11 | 4,107.65 |
| | | 65,212.06 |

\$1,651,198.13

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Brought Forward.....

\$1,651,198.13

State Agricultural College.

Income from students:

Tuition:

| | | |
|--------------------|------------|------------|
| Regular | \$7,849.16 | |
| Summer, 1911 | 320.00 | |
| Summer, 1912 | 925.00 | \$9,094.16 |

Laboratories:

| | | |
|----------------------------|----------|-----------|
| Biology | 2,001.25 | |
| Dairy Industry | 554.25 | |
| Entomology | 520.00 | |
| Farm Management..... | 240.00 | |
| Farm Mechanics | 550.00 | |
| Home Economics | 768.16 | |
| Horticulture | 197.00 | |
| Plant Breeding | 664.50 | |
| Plant Physiology..... | 686.50 | |
| Plant Pathology | 446.39 | |
| Pomology | 887.00 | |
| Soils | 356.00 | |
| Winter Course..... | 5,816.66 | |
| Summer Session, 1911 | 232.25 | |
| Summer Session, 1912 | 293.00 | 14,212.96 |

Income from Grant by State:

| | | |
|--|------------|------------|
| Maintenance, Chap. 810, Laws 1911 | 225,000.00 | |
| For Extension Work, Chap. 513, Laws | | |
| 1910 | 5,527.29 | |
| For Extension Work, Chap. 811, Laws | | |
| 1911 | 3,000.00 | |
| For Extension Work, Chap. 811, Laws | | |
| 1911 | 20,198.91 | |
| Instruction in Physics, etc., Chap. 811, | | |
| Laws 1911 | 20,000.00 | |
| Repairs and Betterments, Chap. 811, | | |
| Laws 1911 | 3,572.50 | |
| Summer Session, Chap. 811, Laws | | |
| 1911 | 1,353.27 | |
| For Buildings: | | |
| Auditorium, etc., Chap. 530, Laws | | |
| 1910 | 125,919.30 | |
| Horse Barn, Chap. 164, Laws 1911 | 15,380.38 | 419,951.65 |

Income from Sales and Services:

| | | |
|---------------------------|------------|------------|
| Animal Husbandry..... | 41,218.48 | |
| Dairy Industry | 119,348.98 | |
| Extension | 1,066.10 | |
| Farm Practice | 3,084.03 | |
| Horticulture | 902.50 | |
| Pomology | 349.15 | |
| Poultry Industry..... | 6,098.72 | |
| Grape Rot Experiment..... | 134.64 | 172,202.60 |

| | | | |
|----------------------|--------|--------|------------|
| Sundry Sources | 875.17 | 875.17 | 616,336.54 |
|----------------------|--------|--------|------------|

Total.....

\$2,267,534.67

SCHEDULE II

EXPENSES

University at Ithaca.

Departmental Expenses. (Details in
Schedule III)

| | | |
|--|--------------|--------------|
| College of Arts and Sciences..... | \$343,884.66 | |
| College of Agriculture (For State Col- lege see below)..... | 25,700.00 | |
| College of Architecture..... | 22,832.66 | |
| College of Civil Engineering..... | 58,910.68 | |
| College of Law..... | 27,356.78 | |
| College of Medicine (at Ithaca)..... | 26,552.77 | |
| Sibley College of Mechanical Engin.. | 133,805.20 | \$639,042.75 |
| Graduate School..... | 1,127.48 | |
| Library..... | 44,233.84 | |
| Summer Session..... | 27,800.00 | |
| Federal Agricultural Experiment Station | | |
| Hatch Fund.. .. | \$14,547.53 | |
| Adams Fund | 13,362.85 | |
| Income | 86.75 | 27,997.13 |
| | | 101,158.45 |

Administration and General Expense:

| | | |
|--|-------------|------------|
| Salaries, President's Office..... | 12,520.00 | |
| " Registrar's Office..... | 4,854.00 | |
| " Treasurer's Office..... | 13,228.67 | |
| " Secretary's Office..... | 715.33 | |
| " Miscellaneous..... | 7,160.23 | |
| Advertising and Lectures.. .. | 290.58 | |
| Attorney's Fees..... | 1,500.00 | |
| Administrative Office, Postage, Print- ing and Stationery | 5,530.15 | |
| Chimer | 249.00 | |
| Commencement | 1,288.51 | |
| Contingent..... | 6,222.43 | |
| Infirmary | \$15,387.77 | |
| Infirmary, Outside Care | 738.20 | |
| Infirmary, Medical Adv. | 2,028.91 | |
| Infirmary, Int. on Adv. | 1,883.04 | 20,037.92 |
| Insurance | 9,169.30 | |
| Reading Entrance Examination Papers | 240.00 | |
| Sage Chapel Preachers..... | 3,614.02 | |
| Sage Chapel Expenses..... | 808.78 | |
| Sage Chapel Programs..... | 150.00 | |
| Sage College..... | 19,284.31 | |
| Trustee Expenses | 1,395.65 | |
| University Publications..... | 6,317.26 | 114,576.14 |

Fellowships, Scholarships and Prizes:

| | |
|---|-----------|
| Fellowships, University..... | 11,699.58 |
| Scholarships, University..... | 11,900.00 |
| Agricultural Scholarship for Young Women | 50.00 |
| Boardman Senior Law Scholarship.. | 100.00 |
| A. H. R. Fraser Scholarship..... | 150.00 |
| F. W. Padgham Sibley Scholarship.. | 170.00 |
| C. H. Roberts Agricultural Scholarships | 1,200.00 |

Fellowships, Scholarships and Prizes:—*continued*

| | |
|--------------------------------------|----------|
| Mrs. A. S. Barnes Shakespeare Prize | \$ 50.00 |
| Philo Seaman Bennett Prize..... | 20.00 |
| Class '86 Memorial Prize. | 86.00 |
| Class '94 Memorial Prize. | 94.00 |
| Caroline Corson French Prize | 50.00 |
| Hiram Corson Browning Prize..... | 50.00 |
| Eastman Agricultural Debate Prize. . | 100.00 |
| Fuertes Medals | 50.00 |
| Guilford Essay Prize. | 150.00 |
| Hollingsworth Veterinary Honorarium | 50.00 |
| J. T. Morrison Prize | 100.00 |
| W. C. Seidel Book Fund. | 36.00 |
| Sibley Prizes | 100.00 |
| H. K. White Veterinary Prize | 25.00 |
| Woodford Medal Prize. | 100.00 |

Industrial Fellowships:

| | | |
|---------------------------------------|----------|-------------|
| American Jersey Cattle Club. . . . | 400.00 | |
| American Steel & Wire Company | 1,250.00 | |
| Bethany-Batavia Fruit Growers Assn. | 1,542.94 | |
| Byron Fruit Growers' Assn. | 767.31 | |
| John M. Davey. | 500.00 | |
| Hermann Frasch. | 2,949.59 | |
| Holstein-Friesian | 400.00 | |
| Newfane Fruit Growers Assn. . . . | 396.93 | |
| Oswego County Fruit Growers Assn. . | 294.99 | |
| W. P. Rogers | 489.22 | |
| Stuart-Chase-Brown-Perkins | 1,480.04 | |
| Wyoming Valley Truck Farmers.... | 85.63 | |
| C. W. Stuart Co., Ind. Fellowship.... | 125.14 | |
| Ten Broeck Industrial Fellowship. | 44.87 | \$37,057.24 |

Operation and Maintenance of Plant:

| | | |
|---------------------------------------|-----------|-----------|
| Care of Buildings (General) | 1,072.58 | |
| Care and Ornamentation of Grounds | 9,700.00 | |
| Electric Light and Power. | 6,379.86 | |
| Fuel | 18,585.39 | |
| Heating Labor..... | 4,739.31 | |
| Spraying Elm Trees | 320.83 | |
| Tungsten Lamp Installation | 469.87 | |
| Water Works. | 1,878.67 | 43,146.51 |

Repairs:

| | | |
|--|-----------|-----------|
| Heights Foot Bridge. | 90.40 | |
| Goldwin Smith and Rockefeller Steam Main | 797.75 | |
| Repairs to Buildings..... | 15,832.36 | |
| Steam Heating Repairs | 3,916.62 | 20,637.13 |

New Constructions and Alterations:

| | |
|-------------------------------------|-----------|
| East Avenue Grading..... | 5,446.66 |
| University Avenue Grading and Wall | 535.71 |
| Heating Plant Enlargement. | 12,500.00 |
| Lincoln Hall Addition Plans..... | 5,000.00 |
| Carnegie Addition to Morse Hall.... | 1,004.42 |
| Water Main to Prudence Risley Hall | 3,000.00 |
| Residential Halls Plans | 1,180.00 |
| Sibley Development Plans..... | 800.00 |

New Constructions and Alterations:—*continued*

| | | |
|--------------------------------------|--------------|--------------|
| Rand Hall | \$ 57,600.28 | |
| Prudence Risley Hall | 65,605.44 | |
| Infirmary Addition (on account) | 14,550.64 | \$167,223.15 |

Miscellaneous:

| | | |
|---|-----------|-----------|
| Class 1908 Secretary's expenses | 25.00 | |
| Guiteau Loan Fund | 12,246.70 | |
| Women Students' Play Ground | 609.26 | |
| Mary F. Hall Income from Scholarship Funds | 950.00 | |
| Judson N. Smith Income from Scholarship Funds | 130.00 | |
| G. Larratt Smith in re Goldwin Smith Estate | 5,000.00 | |
| Smith, Rae & Gear in re Goldwin Smith Estate | 1,081.97 | |
| Arnold Haultain in re Goldwin Smith Estate | 675.00 | |
| Women's Guild Fund | 6.50 | |
| Summer Survey Camp Board Account | 2,267.94 | |
| Contribution to American Classical School, Athens | 250.00 | |
| Contribution to American Classical School, Rome | 250.00 | |
| Contribution to American Classical School, Jerusalem | 100.00 | |
| C. U. Athletic Association Rent | 200.00 | |
| Classical Studies | 4.72 | |
| C. U. Christian Assn. Hand Book | 100.00 | |
| Schiff Lecturers | 110.00 | |
| Athletic Field Re-location | 20,000.00 | |
| Annuity under Willard Fiske Will: | | |
| Island of Grimsey | 1,000.00 | |
| M. Monzecchi | 2,200.00 | |
| Memorial Tablets, Professors Morris and Finch, Mr. Goldwin Smith and Law Librarian Fraser | 2,035.20 | |
| W. L. Mitchell Interest | 225.00 | |
| Preswick Annuity | 300.00 | |
| Musical Entertainments | 95.44 | |
| City Hospital Pest House Site | 1,000.00 | |
| Philosophical Review | 1,958.44 | |
| Physical Review | 3,658.93 | |
| Publishing Studies H. & P. S. | 274.70 | |
| Campus Extension | 1,162.82 | |
| American Peony Association | 200.00 | 58,117.62 |

Add amounts transferred to the principal of fund:

| | |
|---------------------------------|-----------|
| Alumni Fund | 468.08 |
| Class '91 Memorial Fund | 32.45 |
| Class '96 Memorial Fund | 48.82 |
| Class '97 Memorial Fund | 80.89 |
| Class '98 Alumni Fund | 21.02 |
| Class '08 Fund | 56.19 |
| D. A. R. Fund | 29.32 |
| Professorial Pension Fund | 11,460.42 |

Add amounts transferred to the principal
of fund:—*continued*

| | | | |
|--|-------------|--------------|----------------|
| Professorial Pension Fund Income . . . | \$ 1,213.88 | | |
| Surplus Fund | 5.34 | | |
| Women Students' Loan Fund | 432.35 | \$ 13,848.76 | \$1,194,807.75 |

University at New York.

| | | |
|-----------------------------------|------------|------------|
| Salaries of Instruction | 116,266.17 | 116,266.17 |
|-----------------------------------|------------|------------|

Departmental Expense:

| | | |
|--------------------------------------|----------|-----------|
| Applied Pharmacology | 84.79 | |
| Anatomy | 5,931.13 | |
| Chemistry | 1,124.31 | |
| Clinical Pathology | 1,666.85 | |
| Experimental Pathology | 626.98 | |
| Experimental Therapeutics | 4,132.42 | |
| Materia Medica | 599.20 | |
| Medicine | 449.45 | |
| Mental Diseases | 34.50 | |
| Neurology | 69.71 | |
| Obstetrics | 96.10 | |
| Operative Surgery | 73.74 | |
| Ophthalmology | 14.30 | |
| Orthopedics | 51.03 | |
| Pathology | 2,913.90 | |
| Pharmacology | 512.64 | |
| Pediatrics | 44.99 | |
| Physiology | 3,100.72 | |
| Radiology | 1,022.58 | |
| Therapeutics | 249.33 | |
| Dispensary | 4,408.96 | |
| Loomis Laboratory | 4,291.17 | |
| Medical College Laboratory | 1,405.67 | 32,904.47 |

Administration and General Expense:

| | | |
|---|----------|-----------|
| Salaries, Clerk and Staff | 4,320.00 | |
| Salaries, Secretary and Assistant | 2,400.00 | |
| Insurance | 25.00 | |
| Advertising | 428.64 | |
| Announcements | 1,096.95 | |
| Contingent | 760.25 | |
| Postage | 203.20 | |
| Printing and Stationery | 244.11 | |
| Commencement | 29.00 | |
| Prizes | 500.00 | |
| Animal Hospital | 211.18 | |
| Animals and Food | 816.57 | 11,034.90 |

Operation and Maintenance of Plant:

| | | |
|-------------------------------|-----------|-----------|
| Salaries | 33,078.97 | |
| Janitor's Supplies | 338.61 | |
| Engineer's Supplies | 2,711.53 | |
| Fuel | 6,312.15 | |
| Gas | 875.44 | |
| Water | 1,835.90 | |
| Furniture | 266.32 | |
| Miscellaneous | 1,132.89 | |
| Repairs | 2,064.75 | 48,616.56 |

\$1,403,629.85

State Veterinary College.

| | | | |
|-------------------------------|-------------|-------------|--|
| Salaries of Instruction | \$30,170.87 | | |
| Departmental Expense | 8,903.70 | \$39,074.57 | |

Administration and General Expense:

| | | | |
|--------------------------------|--------|----------|--|
| Office | 767.91 | | |
| Librarian | 395.35 | | |
| Advertising and Printing | 905.55 | 2,068.81 | |

Operation and Maintenance of Plant:

| | | | |
|---------------------|----------|----------|--|
| Salaries | 5,089.98 | | |
| Electricity | 135.80 | | |
| Gas | 256.20 | | |
| Fuel | 555.78 | | |
| Grounds | 95.38 | | |
| Insurance | 592.25 | | |
| Repairs | 616.29 | | |
| Miscellaneous | 1,308.01 | 8,649.69 | |

Experiment Station:

| | | | |
|---------------------------------------|----------|----------|--|
| Assistants for Scientific Work | 1,280.00 | | |
| Labor | 555.68 | | |
| Equipment | 463.38 | | |
| Experimental animals, feed, etc | 1,586.98 | | |
| Building Materials and Repairs | 598.01 | | |
| Extension Work | 508.78 | | |
| Hog Cholera Serum | 564.15 | | |
| Miscellaneous | 311.47 | 5,868.45 | |

Building and Equipment:

| | | | |
|------------------------------------|-----------|-----------|-------------|
| North Wing Equipment | 799.45 | | |
| Clinical Building | 18.60 | | |
| Clinic and Hospital Building | 10,569.76 | 11,387.81 | \$67,049.33 |

\$1,470,679.18**State Agricultural College.**

| | | | |
|--|------------|------------|--|
| Salaries of Instruction and Research | 115,211.31 | 115,211.31 | |
|--|------------|------------|--|

Departments:

| | | | |
|-------------------------------------|------------|--|--|
| Animal Husbandry | 49,047.15 | | |
| Chemistry | 766.40 | | |
| Dairy Industry | 132,374.79 | | |
| Drawing | 124.84 | | |
| Extension | 238.67 | | |
| Entomology | 4,965.59 | | |
| Farm Management | 2,535.45 | | |
| Farm Mechanics | 1,191.87 | | |
| Farm Practice | 13,383.62 | | |
| Farmers' Wives Reading Course | 630.20 | | |
| Forestry | 1,346.34 | | |
| Grape Rot Experiment | 394.99 | | |
| Home Economics | 3,712.49 | | |
| Horticulture | 4,366.98 | | |
| Home Nature Study | 367.63 | | |
| Landscape Art | 684.02 | | |
| Library | 451.72 | | |
| Meteorology | 118.54 | | |
| Plant Breeding | 1,379.46 | | |
| Plant Pathology | 2,688.50 | | |
| Plant Physiology | 4,224.94 | | |

| | | |
|--|--------------|-----------------------|
| Brought Forward | \$115,211.31 | \$1,470,679.18 |
| Departments:— <i>continued</i> | | |
| Pomology | \$ 4,540.65 | |
| Poultry Husbandry | 10,800.96 | |
| Rural Art..... | 242.96 | |
| Rural Economy .. | 599.65 | |
| Soil Technology..... | 2,659.04 | 243,837.45 |
| Administration and General Expense: | 40,145.20 | 40,145.20 |
| Special Appropriations: | | |
| 1910 Extension Work | 1,477.18 | |
| 1911 Extension Work (Summer)..... | 3,000.00 | |
| 1911 Extension Work | 35,593.99 | 40,071.17 |
| 1911 Investigation of Diseases of Gladioli, etc | 392.95 | 392.95 |
| 1911 Summer School | 3,991.64 | |
| 1912 Summer School..... | 3,748.99 | 7,740.63 |
| 1911 Instruction in Physics, etc., to increased number of students..... | 20,000.00 | 20,000.00 |
| 1911 Additions, Repairs and Better- ments | 3,572.50 | |
| 1912 Additions, Repairs and Better- ments | 705.57 | 4,278.07 |
| 1912 Grading Roads, Walks, etc..... | 3,004.00 | 3,004.00 |
| New Buildings: | | |
| Auditorium, Home Economics and Poultry Husbandry Buildings..... | 126,006.10 | |
| Horse Barn | 15,380.38 | |
| Central Heating Plant | 237.58 | |
| Headquarters, Stock Judging, Agron- omy and Forestry Buildings | 68.62 | 141,692.68 |
| | | 616,373.46 |
| | | <u>\$2,087,052.64</u> |

SCHEDULE III **DEPARTMENTAL EXPENSE** **University at Ithaca** (See also Schedule II)

| | SALARIES | | | | | | | Total Teach- ing Staff | Other reg. employees | OTHER APPR'S | TOTAL |
|--------------------------------------|--------------------------|--------------|-------------|------------------------|-------|-------|--------------|---------------------------|-------------------------|-----------------|--------------|
| | [Deans and Professors | Asst. Profs. | Instrs. | Ass'ts & Demonstr's | | | | | | | |
| Arts and Sciences, College of: | | | | | | | | | | | |
| Classical Archaeology | \$500.00 | ..... | ..... | ..... | ..... | ..... | \$500.00 | \$2,385.00 | \$ | 1,102.56 | \$ 3,987.56 |
| Education | 4,500.00 | 1,500.00 | ..... | ..... | ..... | ..... | 1,500.00 | 540.00 | | 422.78 | 2,462.78 |
| English | 6,500.00 | 2,000.00 | ..... | ..... | ..... | ..... | 6,500.00 | ..... |  | 1,096.35 | 7,596.35 |
| French | 6,500.00 | 6,500.00 | 9,500.00 | ..... | ..... | ..... | 22,500.00 | ..... |  | 80.20 | 22,580.20 |
| German | 6,500.00 | 5,500.00 | 3,000.00 | ..... | ..... | ..... | 15,000.00 | ..... |  | 81.31 | 15,081.31 |
| Greek | 3,000.00 | 7,000.00 | 2,000.00 | ..... | ..... | ..... | 12,000.00 | ..... |  | 153.89 | 12,153.89 |
| History | 6,500.00 | 1,500.00 | ..... | ..... | ..... | ..... | 8,000.00 | ..... |  | 57.91 | 8,057.91 |
| Latin | 15,900.00 | ..... | ..... | 1,000.00 | ..... | ..... | 16,900.00 | ..... |  | 109.55 | 17,009.55 |
| Oratory | 9,500.00 | ..... | ..... | ..... | ..... | ..... | 9,500.00 | ..... |  | 55.26 | 9,555.26 |
| Philosophy | 11,500.00 | 2,500.00 | *1,200.00 | 150.00 | ..... | ..... | 3,850.00 | ..... |  | 228.19 | 4,078.19 |
| Psychology | 4,000.00 | 500.00 | 1,000.00 | 400.00 | ..... | ..... | 13,400.00 | ..... |  | 215.60 | 13,615.60 |
| Political Science and Economics | *8,625.00 | 2,000.00 | 800.00 | 944.46 | ..... | ..... | 7,744.46 | ..... |  | 1,186.24 | 8,930.70 |
| Semitics | 2,500.00 | 3,000.00 | 4,200.00 | 1,166.66 | ..... | ..... | 16,991.66 | 250.00 | | 317.85 | 17,559.51 |
| Botany | 6,000.00 | ..... | ..... | ..... | ..... | ..... | 2,500.00 | ..... |  | 14.24 | 2,514.24 |
| Chemistry | 15,000.00 | ..... | 2,000.00 | 2,244.46 | ..... | ..... | 10,244.46 | 2,220.00 | | 735.78 | 13,200.24 |
| Entomology (See State Coll. of Agr.) | 500.00 | ..... | 7,800.00 | 10,169.35 | ..... | ..... | 32,969.35 | 4,864.00 | | 26,109.59 | 63,942.94 |
| Geology and Physical Geography | 12,000.00 | ..... | ..... | ..... | ..... | ..... | 500.00 | ..... |  | ..... | 500.00 |
| Mathematics | 10,500.00 | ..... | 4,677.73 | 1,388.90 | ..... | ..... | 18,066.63 | 1,164.00 | | 1,713.24 | 20,943.87 |
| Neurology and Vertebrate Zoology | ..... | 6,000.00 | 5,200.00 | 500.00 | ..... | ..... | 22,200.00 | 420.00 | | 79.34 | 22,699.34 |
| Physics | 15,500.00 | 1,500.00 | 1,800.00 | 400.00 | ..... | ..... | 3,700.00 | 600.00 | | 1,210.87 | 5,510.87 |
| Music | 3,000.00 | 3,500.00 | 12,700.00 | 4,399.96 | ..... | ..... | 36,099.96 | 6,164.00 | | 5,871.77 | 48,135.73 |
| Military | 800.00 | ..... | 1,200.00 | 650.00 | ..... | ..... | 4,850.00 | ..... |  | 1,739.72 | 6,589.72 |
| Physical Culture | 3,000.00 | ..... | ..... | 2,708.00 | ..... | ..... | 3,508.00 | 780.00 | | 414.95 | 4,702.95 |
| | | †1,800.00 | 2,200.00 | 2,250.00 | ..... | ..... | 9,250.00 | 900.00 | | 2,325.95 | 12,475.95 |
| Total Arts and Sciences | \$145,825.00 | \$44,800.00 | \$59,277.73 | \$28,371.79 | | | \$278,274.52 | \$20,287.00 | | \$15,323.14 | \$343,884.66 |

*Includes Lecturer
†Medical Examiners

SCHEDULE IV

**Appropriations 1911-12, Expenditures, Account Same, and Balances
Unexpended**

| | Appropriations | Expended | Balance Unexpended |
|---|----------------|-----------|-----------------------|
| Agriculture: | | | |
| Congressional Ind. Fund | 20,000.00 | 20,000.00 | |
| Cornell University Contribution . . . | 5,700.00 | 5,700.00 | |
| Experiment Station, Hatch | 14,547.53 | 14,547.53 | |
| Experiment Station, Adams | 14,248.72 | 13,362.85 | \$885.87 |
| Experiment Station Income | 673.78 | 86.75 | 587.03 |
| Income Student Loan Fund | 75.67 | | 75.67 |
| Income Agricultural Debate Prize . . | 100.00 | 100.00 | |
| Agricultural Scholarship for Young Women | 166.04 | 50.00 | 116.04 |
| Architecture | 2,700.00 | 2,371.00 | 329.00 |
| College Arts and Sciences: | | | |
| Dean's Office, Reading Room and Library, Lectures and Committee on Educational Policy | 2,424.98 | 2,142.38 | 282.60 |
| (a) Arts Departments: | | | |
| American Classical School, Athens . . | 250.00 | 250.00 | |
| American Classical School, Rome . . . | 250.00 | 250.00 | |
| American Classical School, Jerusalem | 100.00 | 100.00 | |
| Archæology | 1,000.00 | 962.78 | 37.22 |
| Education, School of | 1,159.43 | 1,096.35 | 63.08 |
| Elocution and Oratory | 299.00 | 128.19 | 170.81 |
| English (Cong. Ind. Fund) | 1,000.00 | 1,000.00 | |
| English | 104.81 | 80.20 | 24.61 |
| French | 81.31 | 81.31 | |
| German | 581.92 | 153.89 | 428.03 |
| Greek | 57.91 | 57.91 | |
| History, American | 359.07 | 37.59 | 321.48 |
| History, Ancient | 60.97 | 47.46 | 13.51 |
| History, Medieval | 27.77 | | 27.77 |
| History, Modern European | 75.17 | 24.50 | 50.67 |
| Latin | 75.00 | 55.26 | 19.74 |
| Philosophy | 324.68 | 148.92 | 175.76 |
| Philosophy, Aesthetics | 150.00 | 66.68 | 83.32 |
| Psychology | 660.86 | 436.24 | 224.62 |
| Psychology Graduate | 750.00 | 750.00 | |
| Philosophical Review | 2,177.53 | 1,958.44 | 219.09 |
| Political Science and Politics | 70.59 | 26.19 | 44.40 |
| Political Science and Finance | 100.83 | 61.79 | 39.04 |
| Political Science and Accounting . . . | 66.78 | 56.85 | 9.93 |
| Political Science and Statistics | 217.92 | 178.74 | 39.18 |
| Political Science and Publishing Studies | 675.50 | 274.70 | 400.80 |
| Political Science Office Expense | 250.00 | 244.28 | 5.72 |
| Semitics | 88.95 | 14.24 | 74.71 |
| Classical Studies | 234.01 | 4.72 | 229.29 |
| (b) Science Departments: | | | |
| Astronomy | 3.47 | | 3.47 |
| Botany, replen. green house and new pot shed | 3,620.09 | 2,775.78 | 844.31 |
| Chemical | 30,973.59 | 30,973.59 | |
| Geology | 3,152.56 | 2,217.24 | 935.32 |

| | Appropriations | Expended | Balance Unexpended |
|---|----------------|-----------|-----------------------|
| (b) Science Departments:— <i>continued</i> | | | |
| Mathematics, Furniture | \$ 251.84 | \$ 79.34 | \$ 172.50 |
| Mathematics, Cong. Ind. Fund | 9,000.00 | 9,000.00 | |
| Neurology | 1,224.52 | 1,210.87 | 13.65 |
| Physical Review | 6,565.88 | 3,658.93 | 2,906.95 |
| Physics | 10,303.23 | 10,215.77 | 87.46 |
| Athletics: | | | |
| Rent Athletic Office | 200.00 | 200.00 | |
| Buildings and Grounds: | | | |
| Care of Buildings | 11,000.00 | 10,372.58 | 627.42 |
| Care of Grounds and Ornamentation | 9,042.23 | 8,500.00 | 542.23 |
| Special for changes, East Avenue re- taining Wall, Water Mains, etc. . . . | 5,500.00 | 5,446.66 | 53.34 |
| University Avenue Grading and Wall | 4,600.00 | 535.71 | 4,064.29 |
| Spraying Elm Trees | 600.00 | 320.83 | 279.17 |
| Electric Service | 2,000.00 | 2,000.00 | |
| Electric Light and Power Labor | 3,500.00 | 3,379.86 | 120.14 |
| Fuel | 18,585.39 | 18,585.39 | |
| Heating Labor | 4,239.31 | 4,239.31 | |
| Repairs | 17,500.00 | 14,115.74 | 3,384.26 |
| Replacing Direct Current Motors. . . . | 290.00 | | 290.00 |
| Steam, Water and Sewer repairs, stock | 3,500.00 | 3,500.00 | |
| Special Goldwin Smith and Rocke- feller Hall Steam Line Changes. . . . | 800.00 | 797.75 | 2.25 |
| Campus Extension | 1,162.82 | 1,162.82 | |
| Morse Hall Addition. | 1,281.47 | 1,004.42 | 277.05 |
| Rand Hall | 59,174.37 | 57,600.28 | 1,574.09 |
| Hasbrouck Property | 609.26 | 609.26 | |
| Suspension Footbridge | 1,157.50 | 90.40 | 1,067.10 |
| Alumni Field Changes | 20,000.00 | 20,000.00 | |
| Residential Halls | 1,180.00 | 1,180.00 | |
| Addition to Lincoln Hall, proposed. | 5,000.00 | 5,000.00 | |
| Tungsten Lamps | 500.00 | 469.87 | 30.13 |
| Sibley Development Plans | 800.00 | 800.00 | |
| Prudence Risley Hall | 312,500.00 | 65,605.44 | 246,894.56 |
| Boiler and Economizer | 12,500.00 | 12,500.00 | |
| Extension Water Main to Risley Hall | 3,000.00 | 3,000.00 | |
| University Water Works | 2,200.00 | 1,878.67 | 321.33 |
| Purchase Preswick & Popplewell Lands | 250.00 | | 250.00 |
| Purchase Pest House Site. | 1,000.00 | 1,000.00 | |
| College Civil Engineering: | | | |
| Regular Junior and Sophomore Sur- veys | 9,170.43 | 7,836.09 | 1,334.34 |
| Survey Camp. | 2,797.00 | 2,267.94 | 529.06 |
| C. E. Commercial Account | 2,787.29 | 695.48 | 2,091.81 |
| Graduate School: | | | |
| Dean's Office | 760.16 | 627.48 | 132.68 |
| Guiteau Income Fund | 19,378.71 | 12,246.70 | 7,132.01 |
| Infirmary | 34,588.56 | 20,037.92 | |
| Cornell Infirmary Addition | | 14,550.64 | |
| Interest and Annuities: | | | |
| Mitchell Bond Interest | 225.00 | 225.00 | |
| Preswick Annuity | 300.00 | 300.00 | |

| | Appropriations | Expended | Balance Unexpended |
|---|----------------|-------------|-----------------------|
| Interest and Annuities:— <i>continued</i> | | | |
| Fiske Annuities: | | | |
| Monzecchi | \$ 2,200.00 | \$ 2,200.00 | |
| Grimsey, Island of | 1,000.00 | 1,000.00 | |
| Law, College of | 1,706.92 | 1,394.46 | \$ 312.46 |
| Law Library, extra for binding, etc. | 3,701.60 | 3,682.32 | 19.28 |
| Library | 47,566.27 | 44,233.84 | 3,332.43 |
| Medical College, Ithaca Division: | | | |
| Anatomy and General Expense. | 3,617.93 | 2,925.80 | 692.13 |
| Bacteriology | 202.51 | | 202.51 |
| Histology | 1,403.34 | 1,381.70 | 21.64 |
| Physiology | 4,670.00 | 4,189.93 | 480.07 |
| Embryology Research | 257.58 | 224.79 | 32.79 |
| Music | 6,500.00 | 6,489.72 | 10.28 |
| Orchestra Concerts | 100.00 | 100.00 | |
| Musical Entertainments | 434.96 | 95.44 | 348.52 |
| Operating Expenses: | | | |
| Advertising and Lectures. | 1,001.14 | 290.58 | 710.56 |
| Attorney's Fees and Expenses. | 1,500.00 | 1,500.00 | |
| Chimer | 250.00 | 249.00 | 1.00 |
| Contingent. | 7,300.00 | 6,222.43 | 1,077.57 |
| Diplomas and Commencement Expense | 1,500.00 | 1,288.51 | 211.49 |
| Trustees' Traveling Expenses | 1,395.65 | 1,395.65 | |
| Administrative Office Expense | 5,530.15 | 5,530.15 | |
| C. U. C. A. Hand Book. | 100.00 | 100.00 | |
| Insurance | 9,169.30 | 9,169.30 | |
| Reading Entrance Examination Papers | 750.00 | 240.00 | 510.00 |
| University Publications. | 7,147.28 | 6,317.26 | 830.02 |
| Memorial Tablets. | 2,535.18 | 2,035.20 | 499.98 |
| Physical Education: | | | |
| Military Science | 697.74 | 834.95 | 62.79 |
| Physical Culture | 2,377.20 | 2,325.95 | 51.25 |
| Prizes: | | | |
| Mrs. A. S. Barnes Shakespeare | 180.46 | 50.00 | 130.46 |
| Philo S. Bennett | 144.74 | 20.00 | 124.74 |
| Class '94 Debate | 113.73 | 94.00 | 19.73 |
| Class '86 Memorial. | 206.62 | 86.00 | 120.62 |
| Hiram Corson Browning | 50.00 | 50.00 | |
| Caroline Corson French. | 100.67 | 50.00 | 50.67 |
| Fuertes Medal. | 108.79 | 50.00 | 58.79 |
| Guilford Essay | 172.68 | 150.00 | 22.68 |
| Hollingworth Honorarium. | 50.00 | 50.00 | |
| Luana L. Messenger. | 255.56 | | 255.56 |
| J. S. Morrison | 100.00 | 100.00 | |
| Frances Sampson Fine Arts. | 62.01 | | 62.01 |
| W. C. Seidel Book Fund. | 201.16 | 36.00 | 165.16 |
| Sibley | 100.00 | 100.00 | |
| White Veterinary | 58.98 | 25.00 | 33.98 |
| Woodford Medal. | 536.15 | 100.00 | 436.15 |
| A. H. R. Fraser | 150.00 | 150.00 | |
| Sage Chapel: | | | |
| Dean Sage Sermon Fund | 5,793.76 | 3,614.02 | 2,179.74 |
| Expense | 800.00 | 658.78 | 141.22 |
| Organ Repairs. | 150.00 | 150.00 | |
| Programs | 150.00 | 150.00 | |
| Sage College. | 21,799.71 | 19,284.31 | 2,515.40 |

TREASURER'S REPORT

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| | Appropriations | Expended | Balance Unexpended |
|---|----------------|----------------|--------------------------------|
| Salaries | \$508,434.67 | \$508,434.67 | |
| Summer Session | 27,800.00 | 27,800.00 | |
| Scholarships and Fellowships | 23,700.00 | 23,599.58 | \$ 100.42 |
| Associate Alumnae Scholarship | 150.00 | | 150.00 |
| Boardman Senior Law Scholarship | 120.62 | 100.00 | 20.62 |
| Mary F. Hall Scholarship | 1,516.75 | 950.00 | 566.75 |
| F. W. Padgham Scholarship | 267.38 | 170.00 | 97.38 |
| C. H. Roberts Scholarship | 1,200.00 | 1,200.00 | |
| Judson N. Smith Scholarship | 244.62 | 130.00 | 114.62 |
| American Steel & Wire Company Fel- lowship | 2,166.68 | 1,250.00 | 916.68 |
| Bethany-Batavia Fellowship | 1,707.86 | 1,542.94 | 164.92 |
| Byron Industrial Fellowship | 775.00 | 767.31 | 7.69 |
| John Davey Fellowship | 500.00 | 500.00 | |
| Herman Frasch Fellowship | 5,032.14 | 2,949.59 | 2,082.55 |
| W. P. Rogers Fellowship | 489.22 | 489.22 | |
| C. W. Stuart & Co. Fellowship | 125.14 | 125.14 | |
| Newfane Fruit Growers Association Fellowship | 396.93 | 396.93 | |
| Oswego County Fruit Growers Associa- tion Fellowship | 300.00 | 294.99 | 5.01 |
| Stuart-Chase-Brown-Perkins Fellowship | 2,600.00 | 1,480.04 | 1,119.96 |
| Ten Broeck Fellowship | 236.04 | 44.87 | 191.17 |
| Wyoming Valley Truck Farm Fellowship | 500.00 | 85.63 | 414.37 |
| Genesee Fruit Growers Association Fel- lowship | 325.00 | | 325.00 |
| American Jersey Cattle Club Fellowship | 400.00 | 400.00 | |
| Holstein-Friesian Fellowship | 400.00 | 400.00 | |
| Sibley College, M.E. and M.A. | 13,951.40 | 13,951.40 | |
| Congressional Industrial Fund Facilities | 3,000.00 | 3,000.00 | |
| Congressional Industrial Fund Salaries | 17,000.00 | 17,000.00 | |
| Moving Shops | 7,400.00 | 5,158.45 | 2,241.55 |
| Polish Student Loan Fund | 21.82 | | 21.82 |
| American Peony Association | 200.00 | 200.00 | |
| Class 1908 Fund | 25.00 | 25.00 | |
| Mechanical Laboratory Com. Account. | 2,153.60 | 1,347.99 | 805.61 |
| Debate Council | 100.00 | 100.00 | |
| Women's Guild Fund | 1,295.48 | 6.50 | 1,288.98 |
| Jacob Schiff Lectures | 110.00 | 110.00 | |
| Goldwin Smith Estate | 6,756.97 | 6,756.97 | |
| Wurts Loan Fund | 44.60 | | 44.60 |
| Goldwin Smith Hall Library | 3,200.91 | 85.18 | 3,115.73 |
| Educational Studies | 49.10 | | 49.10 |
| Amounts transferred to principal of funds | 13,848.76 | 13,848.76 | |
| | \$1,505,315.87 | \$1,194,807.75 | \$310,508.12 |
| Medical, New York City | 222,346.07 | 209,644.88 | { 12,256.63 348.29 96.27 |
| | \$1,727,661.94 | \$1,404,452.63 | \$323,209.31 |

SCHEDULE V

INCOME DUE SPECIAL FUNDS

| | | |
|--|------------|--------------|
| Income Agricultural Scholarship Fund | \$116.04 | |
| Agricultural Students Loan Fund | 75.67 | |
| Mrs. A. S. Barnes Shakespeare Prize Fund | 130.46 | |
| Boardman Senior Law Prize Fund | 20.62 | |
| Class '86 Memorial Fund | 120.62 | |
| Class '94 Debate Fund | 19.73 | |
| Caroline Corson French Prize | 50.67 | |
| Fuertes Medal Fund | 58.79 | |
| Guilford Essay Prize Fund | 22.68 | |
| Guiteau Loan Fund | 7,132.01 | |
| Mary F. Hall Scholarship Fund | 490.35 | |
| Loomis Laboratory Fund | 348.29 | |
| Luana L. Messenger Memorial Prize Fund | 255.56 | |
| Padgham Scholarship Fund | 97.38 | |
| Polish Student Loan Fund | 21.82 | |
| J. M. Polk Prize Fund | 96.27 | |
| Frances Sampson Fine Arts Prize Fund | 62.01 | |
| W. C. Seidel Book Fund | 165.16 | |
| Philo Sherman Bennett Fund | 124.74 | |
| Town Spencer Scholarship for Young Women | 76.40 | |
| Judson N. Smith Scholarship Fund | 114.62 | |
| H. K. White Prize Fund | 33.98 | |
| Woodford Medal Fund | 436.15 | |
| Women's Guild Fund | 1,288.98 | |
| Goldwin Smith Hall Library Fund | 3,115.73 | |
| Dean Sage Sermon Fund | 2,179.74 | |
| Morse Hall Addition Fund | 277.05 | |
| Suspension Foot Bridge Fund | 1,067.10 | |
| Agricultural Experiment Station, Adams | 885.87 | |
| Agricultural Experiment Station, Income | 587.03 | |
| American Steel & Wire Company Fellowship | 916.68 | |
| Bethany-Batavia Fellowship | 164.92 | |
| Byron Industrial Fellowship | 7.69 | |
| Genesee Fruit Growers Assn. Fellowship | 325.00 | |
| Herman Frasch Fellowship | 2,082.55 | |
| Oswego County Fruit Growers Assn. Fellowship | 5.01 | |
| Ten Broeck Fellowship | 191.17 | |
| Stuart-Brown-Chase-Perkins Fellowship | 1,119.96 | |
| Wyoming Valley Truck Farm Fellowship | 414.37 | |
| Prudence Risley Hall | 246,894.56 | |
| Rand Hall | 1,574.09 | |
| Income Sage Fund | 2,515.40 | |
| Medical | 12,256.63 | |
| Wurts Loan Fund | 44.60 | |
| | | <hr/> |
| | | \$287,984.15 |
| Deduct for overdraft: | | |
| Corson Browning French Prize Fund | 31.63 | |
| Newfane Fruit Growers Assn. Fellowship | 21.93 | |
| | | <hr/> |
| | | 53.56 |
| | | <hr/> |
| | | \$287,930.59 |

SCHEDULE VI

REAPPROPRIATIONS

To complete the contracts of last year it will be necessary to reappropriate the following amounts:

| | |
|--|-----------|
| Architecture | \$ 329.00 |
| Arts and Sciences College | 282.60 |
| Archæology | 37.22 |
| Economics, Politics | 44.40 |
| Economics, Statistics | 39.18 |
| Economics, Accounting | 9.93 |
| Economics, Finance | 39.04 |
| Economics, Office Expense | 5.72 |
| Education | 63.08 |
| Elocution and Oratory | 170.81 |
| English | 24.61 |
| German | 428.03 |
| History, American | 321.48 |
| History, Ancient | 13.51 |
| History, Medieval | 27.77 |
| History, Modern European | 50.67 |
| Latin | 19.74 |
| Philosophy | 175.76 |
| Aesthetics | 83.32 |
| Psychology | 224.62 |
| Philosophical Review | 219.09 |
| Semitics | 74.71 |
| Astronomy | 3.47 |
| Botany | 844.31 |
| Geology | 935.32 |
| Mathematics | 172.50 |
| Neurology | 13.65 |
| Physical Review | 2,906.95 |
| Physics | 87.46 |
| Care Grounds | 542.23 |
| East Avenue Grading, etc | 53.34 |
| Junior Summer Survey | 1,334.34 |
| Graduate School | 132.68 |
| Law School | 312.46 |
| Law Library | 19.28 |
| Library | 3,332.43 |
| Medical Anatomy | 692.13 |
| Medical Bacteriology | 202.51 |
| Medical Histology | 21.64 |
| Medical Physiology | 480.07 |
| Medical Embryology Research | 32.79 |
| Music | 10.28 |
| Advertising and Lectures | 710.56 |
| University Publications | 830.02 |
| Memorial Tablets | 499.98 |
| Military Science | 62.79 |
| Physical Culture | 51.25 |
| Mechanical, Moving Shops | 2,241.55 |
| Political Economy, Publishing Studies | 400.80 |
| Replacing Direct Current Motors | 290.00 |
| Preswick and Popplewell Property | 250.00 |
| Mechanical Laboratory Commercial Account | 805.61 |
| Civil Engineering Commercial Account | 2,091.81 |
| Musical Entertainments | 348.52 |

| | | |
|--|-----------|-------------|
| Classical Studies | \$ 229.29 | |
| Civil Engineering Survey Account | 529.06 | |
| University Avenue Grading and Wall | 4,064.29 | |
| Educational Studies | 49.10 | \$28,268.76 |

SCHEDULE VII

GENERAL LEDGER BALANCE, AUG. 1, 1912

| | | |
|---------------------------------------|--------------------------|-----------------|
| Cottage Investment Acct. \$ 81,498.88 | Income | \$5,582,829.78 |
| Sage Block | Productive Funds | 4,694,345.98 |
| Bonds and Mortgages... 1,431,106.47 | Inc. due Special Funds.. | 287,984.15 |
| Bennett Mortgages..... 1,440.00 | Premium and Discount.. | 105,703.67 |
| Securities | Congressional Ind. Fund | 50,000.00 |
| Bills Receivable..... 8,041,436.14 | G. S. Hopkins, Treas. | |
| Warren States Land Con- | Fellowship | 1,180.00 |
| tract | Profit and Loss Account. | 28,287.63 |
| Joseph Catlin Foreclosure | Western Lands..... | 5,036,272.78 |
| Cash 84,521.89 | State of New York..... | 87,656.58 |
| State Colleges | Students | 2,285.87 |
| Student Notes 27,925.80 | E. J. Bennett Book Fund | 2,022.01 |
| Inventories .. 1,902,099.63 | Bills Payable | 6,500.00 |
| Real Estate .. 4,002,647.18 | Memorial Book Fund... | 758.37 |
| Suspense Account | Departments | 7,641.44 |
| Cash Advances | Expense | 2,480.42 |
| Advances for Construction | Sundry Persons | 239.73 |
| and Purchases | | |
| Advances for Income . 143,432.71 | | |
| Departments | | |
| Expense | | |
| Sundry Persons | | |
| LaCrosse Bonds Receiv- | | |
| ers' Receipt 1,250.00 | | |
| Nunn Scholar..... 778.50 | | |
| Special Deposit | | |
| 5,029.22 | | |
| \$15,896,188.41 | | \$15,896,188.41 |

SCHEDULE VIII

SECURITIES

Municipal Bonds

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|--|-----------|------|--------|-------------------------|--------------------------|-----------------------------|-------------------------|
| Aurora T'p, Cloud Co., Kans., (Refunding) | 1912-1916 | 5½ | 106 | \$5,500.00 | ..... | \$ 500.00 | \$5,000.00 |
| Beatrice, Nebraska (Water Works) | 1916 | 4 | 100 | 7,000.00 | ..... | ..... | 7,000.00 |
| Beatrice, Nebr., Sch. Dist. (Sch. House) | 1912-1916 | 6 | 104¼ | 6,000.00 | ..... | 1,000.00 | 5,000.00 |
| Blue Rapids T'p, Marshall Co., Kans., (Refg.) | 1912-1929 | 5 | 101½ | 9,500.00 | ..... | ..... | 9,500.00 |
| Burlingame City (Funding) | 1919-1924 | 5 | 4.60b | 6,000.00 | ..... | ..... | 6,000.00 |
| Center T'p, Dickinson Co., Kans., (Refunding) | 1912-1920 | 5 | 101 | 4,500.00 | ..... | 500.00 | 4,000.00 |
| Centerville T'p, Linn Co., Kans., (Refunding) | 1912-1920 | 4¾ | 100 | 9,000.00 | ..... | ..... | 9,000.00 |
| Chase Co., Kansas (R. R. Aid) | 1922 | 6 | 104¼ | 20,000.00 | ..... | ..... | 20,000.00 |
| Chase Co., Kansas (R. R. Aid) | 1922 | 6 | 113½ | 45,000.00 | ..... | ..... | 45,000.00 |
| City of Fairbury, Nebr. (R. R. Aid) | 1912 | 6 | 97 | 2,000.00 | ..... | ..... | 2,000.00 |
| Clarks Creek T'p, Morris Co., Kans., (Refunding) | 1912-1919 | 5 | 100 | 2,000.00 | ..... | 1,000.00 | 1,000.00 |
| Clay Co., Kansas, (Refunding) | 1914-1929 | 5 | 4.40b | 8,000.00 | ..... | ..... | 8,000.00 |
| Crow Wing Co., Minn. (R. R. Aid) | 1912 | 5 | 115.53 | 25,000.00 | ..... | ..... | 25,000.00 |
| Crow Wing Co., Minn. (R. R. Aid) | 1912 | 6 | 100 | 30,000.00 | ..... | ..... | 30,000.00 |
| Diamond Valley T'p, Morris Co., (Refunding) | 1912-1919 | 5 | 101 | 8,000.00 | ..... | 1,000.00 | 7,000.00 |
| Eden T'p, Sumner Co., Kansas (Refunding) | 1912-1917 | 4¾ | 4.60b | 4,000.00 | ..... | 1,000.00 | 3,000.00 |
| Edwards Co., Kansas (R. R. Aid) | 1916 | 6 | 99 | 16,000.00 | ..... | ..... | 16,000.00 |
| Elk T'p, Cloud Co., Kansas (Refunding) | 1912-1921 | 4½ | 100 | 7,000.00 | ..... | ..... | 7,000.00 |
| Elk Creek T'p, Republic Co., Kans. (Refunding) | 1912-1914 | 5 | 4½b | 2,000.00 | ..... | 1,000.00 | 1,000.00 |
| Escambia Co., Florida (Armory) | 1912-1915 | 6 | 108¼ | 2,500.00 | ..... | 2,500.00 | ..... |
| Eureka T'p, Barton Co., Kans. (R. R. Aid) | 1916 | 6 | 112.39 | 5,000.00 | ..... | 2,000.00 | 3,000.00 |
| Fairmont, Nebr. (Ref. Water) | 1912 | 5 | 4½b | 7,500.00 | ..... | 2,000.00 | 5,500.00 |
| Fargo, No. Dakota (Refunding) | 1913 | 6 | 105½ | 20,000.00 | ..... | ..... | 20,000.00 |
| *Galt, Town of Ontario, (Deb.) | 1928 | 5 | 107.85 | ..... | 2,000.00 | ..... | 2,000.00 |
| Glynn Co., Ga. (Refunding) | 1925 | 5 | 100 | 4,000.00 | ..... | ..... | 4,000.00 |
| Graham Co., Kansas (Refunding) | 1918 | 6 | 100 | 10,000.00 | ..... | ..... | 10,000.00 |
| Grant T'p, Jewell Co., Kansas (Refunding) | 1912-1915 | 5 | 4½b | 4,000.00 | ..... | 1,000.00 | 3,000.00 |
| Green Garden T'p, Ellsworth Co., Kansas (Rfg.) | 1912-1919 | 5 | 4½b | 8,000.00 | ..... | 1,000.00 | 7,000.00 |
| *Halifax, City of. | ..... | 4½ | 100 | ..... | 1,400.00 | ..... | 1,400.00 |

*A gift

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|--|-----------|-------|---------|-------------------------|--------------------------|-----------------------------|-------------------------|
| Henderson Co., N. C. (Refunding) | 1925 | 6 | 107 1/2 | \$20,000.00 | ..... | ..... | \$20,000.00 |
| Highland T'p, Morris Co., Kansas (Refunding) | 1912-1915 | 5 | 4 5/8b | 3,000.00 | ..... | \$ 1,000.00 | 2,000.00 |
| Houston Heights Municipality (Sch. Bldg.) | 1933 | 5 | 4 65b | 10,000.00 | ..... | ..... | 10,000.00 |
| Iola T'p, Allen Co., Kan. (Refunding) | 1912-1918 | 4 1/2 | 100 | 3,500.00 | ..... | 1,000.00 | 2,500.00 |
| *Kiowa Co., Kan. (R. R. Aid) | 1917 | 5 | 98 | 40,000.00 | ..... | ..... | 40,000.00 |
| Lane T'p, Greenwood Co., Kan. (Refunding) | 1912-1924 | 5 | 4 5/8b | 13,000.00 | ..... | 1,000.00 | 12,000.00 |
| Liberty T'p, Dickinson Co., Kan. (Refunding) | 1912-1920 | 5 | 4 5/8b | 5,000.00 | ..... | 500.00 | 4,500.00 |
| Lincoln T'p, Cloud Co., Kan. (Refunding) | 1912-1920 | 4 1/2 | 100 | 9,000.00 | ..... | 5,000.00 | 4,000.00 |
| *Lindsay, Town of Ontario (Deb.) | 1912-1914 | 4 1/2 | 4 1/2b | ..... | \$2,535.98 | ..... | 2,535.98 |
| *London, T'p of Ontario (Deb.) | 1912-1923 | 4 | 4 1/4b | ..... | 4,368.54 | ..... | 4,368.54 |
| *London, City of, Ontario (Deb.) | 1916 | 4 | 4 1/4b | ..... | 1,000.00 | ..... | 1,000.00 |
| Lost Springs T'p, Marion Co., Kan. (Refunding) | 1912-1914 | 5 | 100 | 10,000.00 | ..... | ..... | 10,000.00 |
| Lyon T'p, Dickinson Co., Kan. (Refunding) | 1915-1921 | 5 | 101 | 7,000.00 | ..... | ..... | 7,000.00 |
| Marquette City, McPherson Co., Kans. (Rfg.) | 1912-1925 | 5 | 4 60b | 7,000.00 | ..... | 1,000.00 | 6,000.00 |
| Mound City T'p, Linn Co., Kan. (Rfg.) | 1912-1930 | 5 | 4 1/2b | 6,000.00 | ..... | 500.00 | 5,500.00 |
| *Mound T'p, McPherson Co., Kans. (R. R. Aid) | 1916 | 6 | 100 | 14,000.00 | ..... | 4,000.00 | 10,000.00 |
| *Middlesex, County of, Ontario (Deb.) | 1940 | 4 | 4 1/4b | ..... | 5,000.00 | ..... | 5,000.00 |
| Neosho T'p, Coffey Co., Kan. (Refunding) | 1912 | 5 | 4 1/2b | 1,000.00 | ..... | 1,000.00 | ..... |
| Ness Co., Kansas (Refunding) | 1912-1924 | 5 | 103 1/4 | 64,000.00 | ..... | 1,000.00 | 63,000.00 |
| Nevada T'p, Ness Co., Kansas (Refunding) | 1912-1917 | 5 | 103 1/4 | 4,000.00 | ..... | 1,000.00 | 3,000.00 |
| Newton City, Kansas (R. R. Aid) | 1915 | 6 | 99 | 24,000.00 | ..... | 24,000.00 | ..... |
| New York, State of (Canal Improvement) | 1961 | 4 | 102 3/4 | ..... | 25,000.00 | ..... | 25,000.00 |
| Oak T'p, Smith Co., Kansas (Refunding) | 1912-1918 | 5 | 100 | 11,000.00 | ..... | ..... | 11,000.00 |
| Oskaloosa T'p, Jefferson Co., Kan. (Rfg.) | 1911-1926 | 5 1/4 | 4 3/4b | 16,000.00 | ..... | 1,000.00 | 15,000.00 |
| Parsons City, Kansas (R. R. Aid) | 1916 | 6 | 101 | 11,000.00 | ..... | ..... | 11,000.00 |
| Payne T'p, Sedgewick Co., Kan. (Refunding) | 1913-1923 | 5 | 103 1/2 | 3,000.00 | ..... | ..... | 3,000.00 |
| Pierce Village, Pierce Co., Nebraska (Water Works) | 1922 | 5 | 4 1/2b | 6,800.00 | ..... | 2,500.00 | 4,300.00 |
| Plumb T'p, Phillips Co., Kan. (Refunding) | 1911-1915 | 4 3/4 | 100 | 6,000.00 | ..... | 1,000.00 | 5,000.00 |
| Plumb Grove T'p, Butler Co., Kan. (Refunding) | 1912-1915 | 4 3/4 | 100 | 7,500.00 | ..... | 1,000.00 | 6,500.00 |
| Reno Co., Kansas (Refunding) | 1918-1928 | 4 1/2 | 100 | 6,000.00 | ..... | ..... | 6,000.00 |
| Rickland T'p, Rooks Co., Kan. (Refunding) | 1912-1921 | 5 | 4 5/8b | 5,000.00 | ..... | 500.00 | 4,500.00 |
| Rock Creek T'p, Nemaha Co., Kan. (Refunding) | 1912-1924 | 5 | 4 5/8b | 3,000.00 | ..... | 1,000.00 | 2,000.00 |
| Rolling Prairie T'p, Morris Co., Kans. (Refunding) | 1912-1927 | 5 | 4 5/8b | 16,000.00 | ..... | ..... | 16,000.00 |

*A gift

| | | | | | | | |
|---|-----------|----|--------|----------------|-------------|-------------|----------------|
| Saline Co., Kansas (R. R. Aid)..... | 1916 | 6 | 103½ | \$ 50,000.00 | ..... | ..... | \$ 50,000.00 |
| San Antonio, Tex. (Pub. use)..... | 1912-1920 | 5 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Scandia T'p, Republic Co., Kans. (Refunding)..... | 1912-1929 | 5 | 4-70b | 17,000.00 | ..... | ..... | 17,000.00 |
| Sch. Dist. No. 58, Allen Co., Kan. (School)..... | 1912-1919 | 5 | 4½ | 6,000.00 | ..... | \$ 500.00 | 5,500.00 |
| Sch. Dist. No. 3, Carbon Co., Wyoming (Rfg.)..... | 1912-1925 | 6 | 105 | 19,000.00 | ..... | ..... | 19,000.00 |
| Sch. Dist. No. 73, Lincoln Co., Wash. (School)..... | 1914-1924 | 5½ | 4½/8b | 7,000.00 | ..... | ..... | 7,000.00 |
| Sch. Dist. No. 1, Sheridan Co., Nebr. (Sch. House)..... | 1913 | 7 | 105-26 | 4,000.00 | ..... | ..... | 4,000.00 |
| Sch. Dist. No. 61, Spokane Co., Wash. (School)..... | 1914-1924 | 5½ | 4¾b | 7,000.00 | ..... | ..... | 7,000.00 |
| Shell Rock T'p, Greenwood Co., Kan. (Refg.)..... | 1912-1918 | 5 | 4½b | 7,000.00 | ..... | ..... | 6,000.00 |
| Sheridan T'p, Sheridan Co., Kans. (Refg.)..... | 1912-1918 | 5 | 100-56 | 5,000.00 | ..... | 1,000.00 | 4,000.00 |
| Silverdale T'p, Cowley Co., Kan. (Refunding)..... | 1912-1923 | 5 | 100-56 | 10,000.00 | ..... | ..... | 10,000.00 |
| Smoky Hill T'p, McPherson Co., Kans. (Rfg.)..... | 1912-1929 | 5 | 101½ | 8,000.00 | ..... | 1,000.00 | 7,000.00 |
| So. Haven T'p, Sumner Co., Kan. (Refunding)..... | 1912-1915 | 5 | 101½ | 5,000.00 | ..... | 2,000.00 | 3,000.00 |
| South Stillwater, Minn. (Elec. Lt.)..... | 1912-1920 | 6 | 4¾b | 9,000.00 | ..... | 1,000.00 | 8,000.00 |
| Spring Creek T'p, Coffey Co., Kan. (Refg.)..... | 1912-1919 | 5 | 100 | 1,000.00 | ..... | 1,000.00 | ..... |
| Spring Creek T'p, Coffey Co., Kan. (Refg.)..... | 1910-1913 | 4½ | 100 | 3,500.00 | ..... | ..... | 3,500.00 |
| St. Louis Co., Minn. (R. R. Aid)..... | 1913-1923 | 5 | 100 | 54,000.00 | ..... | ..... | 54,000.00 |
| St. Louis Co., Minn. (R. R. Aid)..... | 1913-1923 | 5 | 102.04 | 12,000.00 | ..... | ..... | 12,000.00 |
| State of New York (Land Scrip)..... | 1913-1923 | 5 | ..... | 688,576.12 | ..... | ..... | 688,576.12 |
| Stromsburg City, Nebr. (Ref. Water)..... | 1912-1917 | 5 | 4½b | 1,000.00 | ..... | 1,000.00 | ..... |
| Tacoma, Wash. (Water and Light)..... | 1913 | 5 | 102 | 26,000.00 | ..... | ..... | 26,000.00 |
| Tacoma, Wash. (Water and Light)..... | 1913 | 5 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Thomas Co., Kans. (Refunding)..... | 1914 | 5 | 101½ | 24,000.00 | ..... | ..... | 24,000.00 |
| Tonganoxie T'p, Leavenworth Co., Kan. (Rfg.)..... | 1912-1925 | 4½ | 100 | 5,000.00 | ..... | 5,000.00 | ..... |
| *Toronto, City of (Debentures)..... | 1925 | 4 | 4¼b | ..... | \$ 486.00 | ..... | 486.00 |
| Union T'p, Jefferson Co., Kan., (Refunding)..... | 1929 | 5 | 4½b | 15,000.00 | ..... | ..... | 15,000.00 |
| Valley Center, Sedgwick Co., Kan. (Rfg.)..... | 1912-1920 | 4¾ | 100 | 5,000.00 | ..... | ..... | 5,000.00 |
| Walnut T'p, Brown Co., Kan. (Refunding)..... | 1914-1918 | 5 | 4½b | 5,000.00 | ..... | ..... | 5,000.00 |
| Waring T'p, Ness Co., Kan. (Refunding)..... | 1912-1917 | 5 | 103¼ | 4,000.00 | ..... | 1,000.00 | 3,000.00 |
| Washington T'p, Rice Co., Kans. (Refunding)..... | 1912-1921 | 5 | 4½b | 10,000.00 | ..... | 1,000.00 | 9,000.00 |
| *Winnipeg, City of, Manitoba (Deb.)..... | 1912 | 4 | 100 | ..... | 1,000.00 | ..... | ..... |
| *Woodstock, Town of, Ontario (Deb.)..... | 1930 | 4 | 4¼b | 5,000.00 | ..... | 1,000.00 | 5,000.00 |
| | | | | \$1,667,376.12 | \$47,790.52 | \$79,000.00 | \$1,636,166.64 |

*A gift

Foreign Government Bonds

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|---|-----------|------|------|-------------------------|--------------------------|-----------------------------|-------------------------|
| Argentine Republic (Internal). | 1912-1945 | 5 | 99 | \$ 9,730.00 | ..... | ..... | \$ 9,730.00 |
| *Dominion of Canada. | ..... | 3½ | 98 | ..... | \$5,000.00 | ..... | 5,000.00 |
| Imperial Japanese Government (1st 4½'s) | 1921-1925 | 4½ | 92 | 24,350.00 | ..... | ..... | 24,350.00 |
| Imperial Japanese Government (2d 4½'s) | 1912-1925 | 4½ | 88 | 73,050.00 | ..... | \$5,000.00 | 68,050.00 |
| Republic of Cuba (Ext. loan) | 1912-1944 | 5 | 100½ | 50,000.00 | ..... | 1,000.00 | 49,000.00 |
| Republic of Cuba (Ext. loan) | 1912-1944 | 5 | 105½ | 30,000.00 | ..... | ..... | 50,000.00 |
| San Paulo, Brazil (Treasury Notes) | 1919 | 5 | 6½b | 31,104.00 | ..... | 8,748.00 | 22,356.00 |
| U. S. of Mexico (Loan of 1904) | 1954 | 4 | 93½ | 49,000.00 | ..... | ..... | 49,000.00 |
| U. S. of Mexico (Ext. loan) | 1945 | 5 | 96½ | 12,610.00 | ..... | ..... | 12,610.00 |
| | | | | \$299,844.00 | \$5,000.00 | \$14,748.00 | \$290,096.00 |

Railroad Bonds

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|--|----------|------|------|-------------------------|--------------------------|-----------------------------|-------------------------|
| Atchison, Top. & Sante Fe Ry. (Trans. Con. Sh. Line) | 1958 | 4 | 4¼b | \$48,000.00 | ..... | ..... | \$48,000.00 |
| Atchison, Topeka & Sante Fe Ry. (Conv.) | 1960 | 4 | 100⅞ | ..... | \$50,000.00 | ..... | 50,000.00 |
| *Atlantic City R. R. Co. (Gold Mtg.) | 1919 | 5 | 112 | 10,000.00 | ..... | ..... | 10,000.00 |
| Baltimore & Ohio R. R. Co. (1st Mtg.) | 1948 | 4 | 99 | 1,000.00 | ..... | \$ 1,000.00 | ..... |
| Canada Southern Ry. Co. (1st Mortgage extended) | 1913 | 6 | 100 | 23,000.00 | ..... | 23,000.00 | ..... |
| Carolina, Clinchfield & Ohio Ry. Co. (1st Mtg.) | 1938 | 5 | 95 | 25,000.00 | ..... | ..... | 25,000.00 |
| *Central Branch Ry. Co. (1st Mtg.) | 1919 | 4 | 95¼ | 11,000.00 | ..... | ..... | 11,000.00 |
| *Chesa. & Ohio Ry. (1st Con. Mtg.) | 1939 | 5 | 118½ | 25,000.00 | ..... | ..... | 25,000.00 |
| Chicago, Rock Island & Pac. Ry. Co., (1st & Rtg.) | 1934 | 4 | 88⅞ | 25,000.00 | ..... | ..... | 25,000.00 |
| Chicago, Rock Island & Pac. Ry. Co. (1st & Rtg.) | 1934 | 4 | 89½ | 25,000.00 | ..... | ..... | 25,000.00 |
| *Chicago, Rock Island & Pac. Ry. Co. (1st Mtg.) | 1917 | 6 | 121½ | 25,000.00 | ..... | ..... | 25,000.00 |
| Cin. Hamilton & Dayton Ry. Co. (Gen'l Mtg.) | 1959 | | 91⅝ | 25,000.00 | ..... | ..... | 25,000.00 |
| Delaware Hudson Co. (Conv. Bonds) | 1916 | 4 | 95½ | 23,000.00 | ..... | ..... | 23,000.00 |
| Delaware & Hudson Co. (Conv. Bonds) | 1916 | 4 | 100 | 2,000.00 | ..... | ..... | 2,000.00 |
| Delaware & Hudson Co. (Conv. Bonds) | 1916 | 4 | 102½ | 11,000.00 | ..... | ..... | 11,000.00 |
| *E. Tennessee, Va. & Georgia Ry. (Con. Mtg.) | 1956 | 5 | 120¾ | 15,000.00 | ..... | ..... | 15,000.00 |
| Galveston, Har'g & San An. (M. & P. Ext.) | 1931 | 5 | 108 | 30,000.00 | ..... | ..... | 30,000.00 |
| Galveston, Har'g & San An. (M. & P. Ext.) | 1931 | 5 | 109 | 10,000.00 | ..... | ..... | 10,000.00 |
| Galveston, Har'g & San An. (M. & P. Ext.) | 1931 | 5 | 111⅞ | 10,000.00 | ..... | ..... | 10,000.00 |

*A gift

| | | | | | | | |
|---|------|----|-------|-------------|-------|-------------|-------------|
| *Ga. Carolina & North Ry. (1st Mtg.) | 1929 | 5 | 109½ | \$ 5,000.00 | ..... | ..... | \$ 5,000.00 |
| Kansas City, Ft. Scott & Memphis Ry. Co. (Rfg. Mtg.) | 1936 | 4 | 80¼ | 25,000.00 | ..... | ..... | 25,000.00 |
| *Knoxville & Ohio Ry. Co. (1st Mtg.) | 1925 | 6 | 122½ | 10,000.00 | ..... | ..... | 10,000.00 |
| *Lake Champlain & St. Law. Junct. (1st Mtg.) | 1940 | 4 | 4.40b | ..... | ..... | \$15,000.00 | 15,000.00 |
| *Lehigh Valley Ry. Co. (1st Mtg.) | 1940 | 4½ | 108 | 10,000.00 | ..... | ..... | 10,000.00 |
| *Long Island R. R. Co. (1st Con. Mtg.) | 1931 | 5 | 117½ | 10,000.00 | ..... | ..... | 10,000.00 |
| Macon, Dublin & Sav. Ry. Co. (1st Mtg.) | 1947 | 5 | 97 | 25,000.00 | ..... | ..... | 25,000.00 |
| Michigan Cen. R. R. Co. (Deb. of 1909) | 1929 | 4 | 4.40b | 25,000.00 | ..... | ..... | 25,000.00 |
| Mo. Kans. & Eastern Ry. (1st Mtg.) | 1942 | 5 | 105 | 25,000.00 | ..... | ..... | 25,000.00 |
| Mo. Kansas & Oklahoma R. R. Co. (1st Mtg.) | 1942 | 5 | 101 | 10,000.00 | ..... | ..... | 10,000.00 |
| Mo. Kansas & Oklahoma R. R. Co. (1st Mtg.) | 1942 | 5 | 107 | 15,000.00 | ..... | ..... | 15,000.00 |
| *Mo. Kansas & Texas Ry. Co. (1st Mtg.) | 1990 | 4 | 100 | 10,000.00 | ..... | ..... | 10,000.00 |
| Mo. Kansas & Texas of Texas (1st Mtg.) | 1942 | 5 | 101 | 25,000.00 | ..... | ..... | 25,000.00 |
| Mo. Pac. Ry. Co. (Cons'l 1st Mtg.) | 1920 | 6 | 5b | 10,000.00 | ..... | ..... | 10,000.00 |
| Mo. Pac. Ry. Co. (Cons'l 1st Mtg.) | 1920 | 6 | 111⅞ | 25,000.00 | ..... | ..... | 25,000.00 |
| New York, Chicago & St. Louis R. R. Co. (Deb. of '06) | 1931 | 4 | 4.47b | 25,000.00 | ..... | ..... | 25,000.00 |
| New York, New Haven & Hartford (Conv. Deb.) | 1948 | 6 | 100 | 6,600.00 | ..... | ..... | 6,600.00 |
| *N. Y. Ontario & Western Ry. (Refunding) | 1992 | 4 | 100 | 10,000.00 | ..... | ..... | 10,000.00 |
| *N. Y. Ontario & Western Ry. (Refunding) | 1992 | 4 | 102⅞ | 10,000.00 | ..... | ..... | 10,000.00 |
| N. Pac. & Gt. Nor. Ry. (C. B. & Q. Col.) | 1921 | 4 | 96 | 25,000.00 | ..... | ..... | 25,000.00 |
| N. Pac. & Gt. Nor. Ry. (C. B. & Q. Col.) | 1921 | 4 | 96½ | 50,000.00 | ..... | ..... | 50,000.00 |
| N. Pac. & Gt. Nor. Ry. (C. B. & Q. Col.) | 1921 | 4 | 98¼ | 25,000.00 | ..... | ..... | 25,000.00 |
| *Ohio River R. R. Co. (Gen. Mtg.) | 1937 | 5 | 100 | 86,000.00 | ..... | ..... | 86,000.00 |
| Oregon R. R. & Nav. Co. (Conv. Mtg.) | 1946 | 4 | 102¾ | 5,000.00 | ..... | ..... | 5,000.00 |
| Pennsylvania R. R. Co. (Conv.) | 1915 | 3½ | 89⅞ | 25,000.00 | ..... | ..... | 25,000.00 |
| Pittsburg, Shawmut & Northern (Rec. Cert.) | 1916 | 5 | 97.6 | 25,000.00 | ..... | ..... | 25,000.00 |
| *Richmond & Petersburg Ry. Co. (Con. Mtg.) | 1940 | 4½ | 100 | 10,000.00 | ..... | ..... | 10,000.00 |
| *Sciota Valley & New England (1st Mtg.) | 1989 | 4 | 102⅞ | 10,000.00 | ..... | ..... | 10,000.00 |
| So. Indiana Ry. Co. (1st Mtg.) | 1951 | 4 | 94 | 10,000.00 | ..... | ..... | 10,000.00 |
| So. Pacific Co. (Conv. Bonds) | 1929 | 4 | 96 | 9,000.00 | ..... | ..... | 9,000.00 |
| Spokane & Inland Empire Rd. Co. (1st Rfg.) | 1926 | 5 | 98 | 25,000.00 | ..... | ..... | 25,000.00 |
| So. Pacific Co. (1st Mtg.) | 1955 | 4 | 4¾b | 25,000.00 | ..... | ..... | 25,000.00 |
| So. Pacific Co. (20 yr. Conv.) | 1929 | 4 | 96⅞ | ..... | ..... | 16,000.00 | 16,000.00 |
| St. Louis Iron Mt. & So. R. & G. Div. (1st Mtg.) | 1933 | 4 | 5b | 25,000.00 | ..... | ..... | 25,000.00 |
| St. Louis Iron Mt. & Southern (Gen. Con. Mtg.) | 1931 | 5 | 101¼ | 35,000.00 | ..... | ..... | 35,000.00 |
| St. Louis Iron Mt. & Southern (Gen. Con. Mtg.) | 1931 | 5 | 103 | 5,000.00 | ..... | ..... | 5,000.00 |

*A gift

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|---|----------|-------------------------------|---------------------------------|-------------------------|--------------------------|-----------------------------|-------------------------|
| *St. Louis Iron Mt. & Southern (Gen. Con. Mtg.).. | 1931 | 5 | 117 ³ / ₈ | \$10,000.00 | .. | .. | \$10,000.00 |
| St. Louis, San Francisco Rd. Co. (Rfg. Mtg.).. | 1931 | 4 | 82 ³ / ₈ | 20,000.00 | .. | .. | 20,000.00 |
| *St. Paul, Minn. & Manitoba Ry. Co. (Mont. Ext. 1st Mtg.) | 1937 | 4 | 97 ³ / ₈ | .. | \$ 5,000.00 | .. | 5,000.00 |
| *St. Paul, Minn. & Manitoba Ry. Co. (Consol. Mtg.) | 1933 | 6 | 104 ³ / ₄ | .. | 5,000.00 | .. | 5,000.00 |
| Tidewater Company (Guar. Note)..... | 1913 | 6 | 102 ³ / ₄ | 25,000.00 | .. | \$25,000.00 | ..... |
| Tol. & Ohio Central Ry. Co. (Gen. Mtg.).. | 1935 | 5 | 96 | 20,000.00 | .. | .. | 20,000.00 |
| Union Pac. Rd. Co. (1st & Rfg.).. | 2008 | 4 | 4.15b. | 30,000.00 | .. | 13,000.00 | 17,000.00 |
| Union Pac. Rd. Co. (Conv.) | 1927 | 4 | 86 ³ / ₄ | 20,000.00 | .. | .. | 20,000.00 |
| Union Pac. Rd. Co. (Conv.) | 1927 | 4 | 101 ³ / ₄ | .. | 30,000.00 | .. | 30,000.00 |
| *Union Pac. Rd. Co. (Conv. Bonds) | 1927 | 4 | 103 | .. | 2,000.00 | .. | 2,000.00 |
| Vera Cruz & Pacific Ry. Co. (1st Mtg.).. | 1934 | 4 ¹ / ₂ | 95 ⁵ / ₈ | 50,000.00 | .. | .. | 50,000.00 |
| *Wabash Ry. Co. (1st Mtg.).. | 1939 | 5 | 118 | 14,000.00 | .. | .. | 14,000.00 |
| *West Va. & Pittsburg Ry. Co. (1st Mtg.).. | 1990 | 4 | 100 | 10,000.00 | .. | .. | 10,000.00 |
| *Wheeling & Lake Erie (1st Mtg.).. | 1949 | 4 | 89 ¹ / ₂ | 15,000.00 | .. | .. | 15,000.00 |
| | | | | \$1,234,600.00 | \$123,000.00 | \$62,000.00 | \$1,295,600.00 |

Equipment Notes

| | | | | | | | |
|---|-----------|-------------------------------|---------------------------------|--------------|-------------|-------------|--------------|
| Boomer Coal & Coke Co. | 1913-1914 | 5 | 100 ¹ / ₂ | \$25,000.00 | .. | .. | \$25,000.00 |
| Chicago Rock Island & Pac. Ry. Co. | 1917 | 4 ¹ / ₂ | 5 ¹ / ₂ b | 20,000.00 | .. | .. | 20,000.00 |
| Cincinnati, Hamilton & Dayton R. R. Co. | 1913-1916 | 4 ¹ / ₂ | 5.b | 30,000.00 | .. | .. | 30,000.00 |
| Colorado & Southern Ry. Co. | 1914 | 5 | 5 ⁷ / ₈ b | 25,000.00 | .. | .. | 25,000.00 |
| Delaware & Hudson Co. | 1922 | 4 ¹ / ₂ | 94 ³ / ₄ | 50,000.00 | .. | .. | 50,000.00 |
| Denver, North Western & Pacific Ry. Co. | 1914 | 5 | 5 ¹ / ₂ b | 30,000.00 | .. | .. | 30,000.00 |
| Evansville & Terre Haute (Series C). | 1912 | 4 ¹ / ₂ | 97 ¹ / ₂ | 25,000.00 | .. | .. | 25,000.00 |
| Hudson & Manhattan Rd. Co. (Car Trust Series A) | 1913 | 5 | 5 ¹ / ₂ b | 10,000.00 | .. | .. | 10,000.00 |
| Hudson & Manhattan Rd. Co. (Car Trust Series A) | 1914 | 5 | 5 ¹ / ₂ b | 10,000.00 | .. | .. | 10,000.00 |
| Iron Mt. Car Trust..... | 1912 | 5 | 5 ¹ / ₂ b | 25,000.00 | .. | .. | 25,000.00 |
| Père Marquette R. R. | 1913 | 6 | 5.40b | 20,000.00 | .. | .. | 20,000.00 |
| Seaboard Air Line Ry. | 1912 | 5 | 99 ³ / ₈ | 26,000.00 | .. | \$26,000.00 | ..... |
| Seaboard Air Line Ry. (Series H.) .. | 1914 | 5 | 5 ⁷ / ₈ b | 24,000.00 | .. | .. | 24,000.00 |
| St. Louis Iron Mt. & So. Ry. | 1917-1919 | 5 | 100 | 5,000.00 | \$25,000.00 | .. | 25,000.00 |
| Wabash Rd. Co. (Series C) .. | 1913 | 4 ¹ / ₂ | 6.b | .. | .. | .. | 5,000.00 |
| Wabash Rd. Co. (Series C) .. | 1914 | 4 ¹ / ₂ | 6.b | 25,000.00 | .. | .. | 25,000.00 |
| | | | | \$350,000.00 | \$25,000.00 | \$26,000.00 | \$349,000.00 |

*A gift

| Traction Bonds | | | | | | |
|--|------|----|--------|-------------|-------|-------------|
| Balt. Spar. & Chesa. Ry. (1st Mtg.) | 1953 | 4½ | 94½ | \$15,000.00 | ..... | \$15,000.00 |
| Brooklyn Un. El. R. Co. (1st Mtg.) | 1950 | 5 | 101¾ | 25,000.00 | ..... | 25,000.00 |
| Brooklyn Un. El. R. Co. (1st Mtg.) | 1950 | 5 | 106½ | 25,000.00 | ..... | 25,000.00 |
| Calumet & So. Chicago (1st Mtg.) | 1927 | 5 | 99½ | 20,000.00 | ..... | 20,000.00 |
| Cayuga Lake Elec. Ry. Co. (1st Mtg.) | 1922 | 6 | 103 | 2,000.00 | ..... | 2,000.00 |
| Central Elec. Ry. Co. of Kansas City (Mtg.) | 1914 | 5 | 99½-¾ | 25,000.00 | ..... | 25,000.00 |
| Chicago Rys. Co. (1st Mtg.) | 1927 | 5 | 99½ | 50,000.00 | ..... | 50,000.00 |
| Chippewa Valley Ry. Lt. & Pow. Co. (1st Mtg.) | 1924 | 5 | 97½ | 25,000.00 | ..... | 25,000.00 |
| Des Moines City Ry. (Refunding Mtg.) | 1921 | 5 | 5½b | 10,000.00 | ..... | 10,000.00 |
| Des Moines City Ry. (Refunding Mtg.) | 1921 | 5 | 100 | 15,000.00 | ..... | 15,000.00 |
| Detroit & North Western Ry. Co. (1st Mtg.) | 1921 | 4½ | 97½ | 15,000.00 | ..... | 15,000.00 |
| Detroit United Ry. (1st Cons'l) | 1932 | 4½ | 93½ | 50,000.00 | ..... | 50,000.00 |
| Eastern Pa. Rys. Co. (1st Mtg.) | 1936 | 5 | 86 | 15,000.00 | ..... | 15,000.00 |
| Indianapolis St. Ry. Co. (Gen. Mtg.) | 1933 | 4 | 87 | 25,000.00 | ..... | 25,000.00 |
| Interborough Rap. Tran. Co. (Series A. Mtg.) | 1952 | 5 | 99 | 50,000.00 | ..... | 50,000.00 |
| Ithaca St. Ry. (1st Mtg.) | 1922 | 6 | 103 | 30,000.00 | ..... | 30,000.00 |
| Ithaca St. Ry. (1st Mtg.) | 1922 | 6 | 102 | 5,000.00 | ..... | 5,000.00 |
| Ithaca St. Ry. Co. (2d Mtg.) | 1922 | 6 | 103 | 25,000.00 | ..... | 25,000.00 |
| Ithaca St. Ry. Co. (2d Mtg.) | 1922 | 6 | 6½b | 3,000.00 | ..... | 3,000.00 |
| Ithaca St. Ry. Co. (2d Mtg.) | 1922 | 6 | 102 | 4,000.00 | ..... | 4,000.00 |
| Ithaca St. Ry. Co. (Rec. Certfs.) | 1913 | 5 | 100 | \$ 8,000.00 | ..... | 8,000.00 |
| Kansas City Elev. Co. (Gen. Mtg.) | 1922 | 4 | 90 | 25,000.00 | ..... | 25,000.00 |
| Kansas City Ry. & Lt. (1st Rfg.) | 1913 | 5 | 5¾b | 25,000.00 | ..... | 25,000.00 |
| Kings Co. Elev. R. R. Co. (1st Mtg.) | 1949 | 4 | 84.58¼ | 20,000.00 | ..... | 20,000.00 |
| Metropolitan St. Ry. Co. (Gen. Mtg.) | 1997 | 5 | 109 | 25,000.00 | ..... | 25,000.00 |
| Metropolitan St. Ry. Co. (Gen. Mtg.) | 1997 | 5 | 112¾ | 50,000.00 | ..... | 50,000.00 |
| Metropolitan St. Ry. Co. of Kansas City (Cons. 1st Mtg.) | 1913 | 5 | 97¾ | 25,000.00 | ..... | 25,000.00 |
| Muscatine City Ry. & Lt. Co. (1st Mtg.) | 1917 | 5 | 97½ | 6,500.00 | ..... | 6,500.00 |
| Muscatine City Ry. & Lt. Co. (1st Mtg.) | 1917 | 5 | 5.45b | 3,500.00 | ..... | 3,500.00 |
| Nassau Elec. R. R. Co. (Cons. Mtg.) | 1951 | 4 | 97¾ | 25,000.00 | ..... | 25,000.00 |
| *Niagara Falls Park & River Ry. Co. (1st Mtg.) | 1914 | 5 | 98 | 7,000.00 | ..... | 7,000.00 |
| N. Y. & Jersey Rd. Co. (1st Mtg.) | 1932 | 5 | 100 | 10,000.00 | ..... | 10,000.00 |
| N. Y. & Jersey Rd. Co. (1st Mtg.) | 1932 | 5 | 101 | 25,000.00 | ..... | 25,000.00 |
| New York Rys. Co. (Adjustment) | | 5 | 56 | ..... | ..... | 42,000.00 |

*A gift

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|--|----------|------|-------|-------------------------|--------------------------|-----------------------------|-------------------------|
| New York Rys. Co. (Refunding) | | 4 | 81 | ..... | \$29,970.00 | ..... | \$29,970.00 |
| No. Ohio Traction Co. (1st Cons.) | 1919 | 5 | 5¼b | \$25,000.00 | ..... | ..... | 25,000.00 |
| No. Texas Traction Co. (1st Mtg.) | 1933 | 5 | 98 | 15,000.00 | ..... | ..... | 15,000.00 |
| No. Texas Traction Co. (1st Mtg.) | 1933 | 5 | 99 | 10,000.00 | ..... | ..... | 10,000.00 |
| Oregon Elec. Ry. Co. (1st Mtg.) | 1933 | 5 | 5.45b | 25,000.00 | ..... | ..... | 25,000.00 |
| Rochester Ry. Co. (1st Cons. Gold Mtg.) | 1930 | 5 | 111 | 25,000.00 | ..... | ..... | 25,000.00 |
| Rochester Ry. Co. (1st Cons. Gold Mtg.) | 1930 | 5 | 111½ | 25,000.00 | ..... | ..... | 25,000.00 |
| Rochester Ry. Co. (1st Cons. Gold Mtg.) | 1930 | 5 | 110 | 25,000.00 | ..... | ..... | 25,000.00 |
| Saginaw Valley Traction Co. (1st Mtg.) | 1920 | 5 | 102 | 50,000.00 | ..... | \$25,000.00 | 25,000.00 |
| Scota Valley Traction Co. (1st Mtg.) | 1923 | 5 | 99 | 25,000.00 | ..... | ..... | 25,000.00 |
| Seattle Elec. Co. (Seattle-Everett 1st) | 1939 | 5 | 5.20b | 25,000.00 | ..... | ..... | 25,000.00 |
| Steinway Ry. Co. (1st Mtg.) | 1922 | 6 | 114 | 15,000.00 | ..... | ..... | 15,000.00 |
| Toledo Traction Co. (Cons. 1st Mtg.) | 1912 | 6 | 97½ | 40,000.00 | ..... | ..... | 40,000.00 |
| Toledo Rys. & Lt. Co. (Cons. 1st Mtg.) | 1909 | 4 | 92 | 4,000.00 | ..... | ..... | 4,000.00 |
| Toledo Rys. & Lt. Co. (Cons. 1st Mtg.) | 1909 | 4 | 94 | 10,000.00 | ..... | ..... | 10,000.00 |
| West Side R. R. Co. of Elmira (1st Mtg.) | 1914 | 5 | 101 | 25,000.00 | ..... | ..... | 25,000.00 |
| | | | | \$1,018,000.00 | \$86,970.00 | \$100,000.00 | \$1,004,970.00 |

Light and Power Bonds

| | | | | | | | |
|---|------|----|-------|-------------|-------------|-------|-------------|
| Associated Gas & Elec. Co. (1st Coll. Trust) | 1939 | 5 | 5.30b | \$25,000.00 | ..... | ..... | \$25,000.00 |
| Atlantic City Elec. Co. (1st & Refunding) | 1938 | 5 | 98 | 25,000.00 | ..... | ..... | 25,000.00 |
| Baltimore Un. El. L. & P. Co. (Con. 1st Mtg.) | 1929 | 4½ | 4.90b | 25,000.00 | ..... | ..... | 25,000.00 |
| Bay City Gas Co. (Gen. Mtg.) | 1920 | 5 | 5¼b | 15,000.00 | ..... | ..... | 15,000.00 |
| Butte Elec. & Pow. Co. (1st Mtg.) | 1930 | 5 | 6.b | 6,000.00 | ..... | ..... | 6,000.00 |
| Butte Elec. & Pow. Co. (1st Mtg.) | 1951 | 5 | 90 | 34,000.00 | ..... | ..... | 34,000.00 |
| Butte Elec. & Pow. Co. (1st Mtg.) | 1951 | 5 | 6.b | 15,000.00 | ..... | ..... | 15,000.00 |
| California Gas & Elec. Co. (Unif. & Rfg.) | 1937 | 5 | 95½ | 25,000.00 | ..... | ..... | 25,000.00 |
| Canton Elec. Co. (1st & Rfg. Mtg.) | 1937 | 5 | 97¼ | 25,000.00 | ..... | ..... | 25,000.00 |
| Conn. River Power Co. of N. H. (1st Mtg.) | 1937 | 5 | 92 | 25,000.00 | ..... | ..... | 25,000.00 |
| Carolina Power & Lt. Co. (1st Mtg.) | 1938 | 5 | 93½ | ..... | \$25,000.00 | ..... | 25,000.00 |
| Consolidated Ltg. Co. of Vt. (1st Mtg.) | 1926 | 5 | 97½ | 25,000.00 | ..... | ..... | 25,000.00 |
| Decatur City Gas Co. (Gold Mtg.) | 1929 | 5 | 100 | 12,000.00 | ..... | ..... | 12,000.00 |

*A gift.

| | | | | | | | |
|--|-----------|---|--|----------------|-------------|-------------|----------------|
| Detroit City Gas Co. (Gold Mtg.)..... | 1923 | 5 | 101 | \$ 44,000.00 | ..... | ..... | \$ 44,000.00 |
| Dominion Power & Tran. Co. (Gold Bond)..... | 1925-1927 | 5 | 95 | 25,000.00 | ..... | ..... | 25,000.00 |
| Grand Rapids Musk. Po. Co. (1st Mtg.)..... | 1931 | 5 | 99 | 25,000.00 | ..... | ..... | 25,000.00 |
| Green Bay Gas. & Elec. Co. (1st & Rfd.)..... | 1925-1935 | 5 | 100 | 9,000.00 | ..... | ..... | 9,000.00 |
| Lacrosse Water Po. Co. (1st Mtg.)..... | 1931 | 5 | 5 ⁵ / ₈ ^b | 25,000.00 | ..... | ..... | 25,000.00 |
| Lincoln Gas Co. (1st Mtg.)..... | 1911 | 6 | 98 ¹ / ₂ | 50,000.00 | ..... | \$50,000.00 | ..... |
| Lincoln Gas Co. (1st Mtg.)..... | 1911 | 6 | 107 ⁷ / ₉ | 5,000.00 | ..... | 5,000.00 | ..... |
| Mohawk Hydro-Electric Co. (1st Mtg.)..... | 1940 | 6 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Mt. Whitney Power & Elec. Co. (1st Mtg.)..... | 1939 | 6 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Muncie Elec. Lt. Co. (1st Mtg.)..... | 1932 | 5 | 97 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| Nassau Light & Power Co. (1st Mtg.)..... | 1927 | 5 | 5 ⁴ / ₅ ^b | 25,000.00 | ..... | ..... | 25,000.00 |
| Newburg, Lt. Ht. & Power Co. (1st Mtg.)..... | 1921 | 5 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| N. Y. Gas Elec. Lt., Ht. & Po. Co. (1st Mtg.)..... | 1948 | 5 | 105 | 25,000.00 | ..... | ..... | 25,000.00 |
| N. Y. Gas Elec. Lt., Ht. & Po. Co. (1st Mtg.)..... | 1948 | 5 | 108 | 50,000.00 | ..... | ..... | 50,000.00 |
| N. Y. Gas Elec. Lt., Ht. & Po. Co. (1st Mtg.)..... | 1948 | 5 | 110 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| New York & Queens Elec. Lt. & Po. Co. (1st Con.) | 1930 | 5 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Niagara Falls Power Co. (1st Mtg.)..... | 1932 | 5 | 99 ¹ / ₂ | 10,000.00 | ..... | ..... | 10,000.00 |
| Niagara, Lock. & Ontario Po. Co. (1st Mtg.)..... | 1954 | 5 | 95 | 100,000.00 | ..... | ..... | 100,000.00 |
| Ont. Po. Co. of Niagara Falls (1st Mtg.)..... | 1954 | 5 | 95 | 100,000.00 | ..... | ..... | 100,000.00 |
| Pacific Lt. & Po. Co. (1st Mtg.)..... | 1942 | 5 | 90 | 25,000.00 | ..... | ..... | 25,000.00 |
| Portland Gas & Coke Co. (1st & Rfg.)..... | 1940 | 5 | 98 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| Portland Gen. Elec. Co. (1st Mtg.)..... | 1915-1935 | 5 | 102 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| Potomac El. Po. Co. (Cons. Mtg.)..... | 1936 | 5 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Rockford Elec. Co. (1st Mtg.)..... | 1939 | 5 | 96 | 25,000.00 | ..... | ..... | 25,000.00 |
| San Diego Con. Gas & Elec. Co. (1st Mtg.)..... | 1939 | 5 | 97 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| Seattle Lighting Co. (Refunding Mtg.)..... | 1949 | 5 | 97 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| Southern Light & Traction Co. (Col. Tr.)..... | 1949 | 5 | 5 ³ / ₅ ^b | 50,000.00 | ..... | ..... | 50,000.00 |
| St. Louis Un. El. Lt. & Po. Co. (1st Mtg.)..... | 1932 | 5 | 100 | 25,000.00 | ..... | ..... | 25,000.00 |
| Utah Light & Power Co. (Prior Lien)..... | 1930 | 5 | 100 | 15,000.00 | ..... | ..... | 15,000.00 |
| Washington Wat. Po. Co. (1st Rtg.)..... | 1939 | 5 | 102 ³ / ₄ | 25,000.00 | ..... | ..... | 25,000.00 |
| Watertown Light & Po. Co. (1st Mtg.)..... | 1959 | 5 | 96 ¹ / ₂ | 25,000.00 | ..... | ..... | 25,000.00 |
| Western United Gas & Elec. (1st & Refunding)... | 1950 | 5 | 98 | 25,000.00 | ..... | ..... | 25,000.00 |
| | | | | \$1,240,000.00 | \$25,000.00 | \$55,000.00 | \$1,210,000.00 |

*A gift.

Lumber Bonds

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|---|-----------|------|-------------------------------|-------------------------|--------------------------|-----------------------------|-------------------------|
| American Lumber Co. (1st & Refunding). | 1920 | 6 | 100 | \$25,000.00 | .. | .. | \$25,000.00 |
| Consolidated Land Co. (1st Mortgage). | 1918 | 6 | 99 | 20,000.00 | .. | .. | 20,000.00 |
| Fassett Lumber Co. (1st Mortgage). | 1916 | 6 | 100 | 25,000.00 | .. | .. | 25,000.00 |
| Flambeau River Lumber Co. (1st Mortgage). | 1913-1916 | 6 | 67 $\frac{7}{8}$ ^b | 50,000.00 | .. | .. | 50,000.00 |
| Great Southern Lumber Co. (1st Mortgage). | 1911-1915 | 6 | 100 | 25,000.00 | .. | \$16,000.00 | 9,000.00 |
| Jackson Lumber Co. (1st Mortgage). | 1916 | 6 | 99 | 200,000.00 | .. | .. | 200,000.00 |
| John H. Kaiser Lumber Co. (1st Mortgage). | 1915-1918 | 7 | 100 | 60,000.00 | .. | 60,000.00 | .. |
| Long Bell Lumber Co. (1st & Refunding). | 1919 | 6 | 98 $\frac{1}{2}$ | 25,000.00 | .. | .. | 25,000.00 |
| | | | | <hr/> \$430,000.00 | | <hr/> \$76,000.00 | <hr/> \$354,000.00 |

Miscellaneous Bonds

| | | | | | | | |
|---|------------------|----|------------------------------|-------------|-------------|-------------|-------------|
| American Agr. Chem. Co. (1st Mortgage). | 1928 | 5 | 5 $\frac{1}{2}$ ^b | \$15,000.00 | .. | \$15,000.00 | .. |
| American Agr. Chem. Co. (1st Mtg. Conv.) | 1928 | 5 | 101 $\frac{1}{2}$ | .. | \$25,000.00 | .. | \$25,000.00 |
| American Smelters Securities Co. | 1926 | 6 | 102 $\frac{3}{8}$ | .. | 15,000.00 | .. | 15,000.00 |
| American Tobacco Co. (Bond) | 1944 | 6 | 105 $\frac{1}{2}$ = 12 | 75,000.00 | .. | 75,000.00 | .. |
| Buffalo & Sus. Iron Co. (1st Mortgage). | 1932 | 5 | 99 | 20,000.00 | .. | 4,000.00 | 16,000.00 |
| Central Coal & Coke Co. (Gen. Con. Mtg.) | 1919 | 6 | 100 | 20,000.00 | .. | .. | 20,000.00 |
| Central Leather Co. (1st Lien) | 1925 | 5 | 89 | 20,000.00 | .. | .. | 20,000.00 |
| Central Leather Co. (1st Lien) | 1925 | 5 | 99 $\frac{1}{2}$ | 30,000.00 | .. | .. | 30,000.00 |
| Central Leather Co. (1st Lien) | 1925 | 5 | 99 $\frac{3}{4}$ | 50,000.00 | .. | .. | 50,000.00 |
| Colorado-Utah Construction Co. (Col. Tr.) | 1912 | 6 | 100 | 25,000.00 | .. | 3,125.00 | 21,875.00 |
| *Commercial Cable Co. (1st Mortgage) | 2397 | 4 | 83 $\frac{3}{4}$ | .. | 12,500.00 | .. | 12,500.00 |
| Corn Products Refining Co. (1st Mortgage) | 1934 | 5 | 98 | 20,000.00 | .. | .. | 20,000.00 |
| Cornell Land & Power Co. (1st Mortgage) | 1916 | 6 | 96 | 25,000.00 | .. | 2,000.00 | 23,000.00 |
| Cudahy Packing Co. (1st Mortgage) | 1924 | 5 | 98 $\frac{1}{2}$ | 25,000.00 | .. | .. | 25,000.00 |
| *Delaware River Ferry Co. (Sinking Fund) | 1921 | 5 | 104 | 7,000.00 | .. | 1,000.00 | 6,000.00 |
| Ft. Lyon Canal Co. (1st Refunding) | 1941 | 6 | .. | .. | 20,000.00 | .. | 20,000.00 |
| General Motors Co. (1st Lien) | 1915 | 6 | 97 $\frac{7}{8}$ | .. | 25,000.00 | .. | 25,000.00 |
| *Gt. Northern Ore. Prop. (Cert.) | 40 $\frac{1}{2}$ | .. | .. | .. | 7,978.50 | .. | 7,978.50 |
| Gould's Mfg. Co. (1st Mortgage) | 1927 | 6 | 100 | 15,000.00 | .. | .. | 15,000.00 |
| International Nickel Co. (Sinking Fund) | 1932 | 5 | 94 $\frac{3}{8}$ | 25,000.00 | .. | .. | 25,000.00 |

*A gift

| | | | | | | | | |
|---|-----------|-------|---------|--------------|--------------|--------------|-----|--------------|
| International Steam Pump Co. (1st Lien).... | 1929 | 5 | 5-30b | \$25,000.00 | . | ... | ... | \$25,000.00 |
| Leavenworth City & Ft. Leav. Water Co. (Water Wks.) | 1912 | 6 | 100 | 30,000.00 | . | ... | ... | 30,000.00 |
| *London & Can. Loan Agency (Deb.).... | 1916 | 4 1/2 | 100 | . | \$2,000.00 | ... | ... | 2,000.00 |
| Liggett & Myers Tob. Co. (7% note).... | 1944 | 7 | 120 1/8 | . | 10,000.00 | ... | ... | 10,000.00 |
| Liggett & Myers Tob. Co. (5% note)..... | 1951 | 5 | 91 1/8 | . | 15,000.00 | ... | ... | 15,000.00 |
| P. Lorillard Co. (7% note).... | 1944 | 7 | 121 1/2 | . | 10,000.00 | ... | ... | 10,000.00 |
| P. Lorillard Co. (5% note)..... | 1951 | 5 | 92 3/8 | . | 15,000.00 | ... | ... | 15,000.00 |
| Montreal Loc. & Mac. Co. (1st Mortgage) | 1924 | 4 | 5b | 25,000.00 | ... | ... | ... | 25,000.00 |
| National Enameling & Stamping Co. (Ref. Mtg.) | 1929 | 5 | 97 | 25,000.00 | ... | ... | ... | 25,000.00 |
| New York Dock Co. (1st Mortgage).... | 1951 | 4 | 100 | 27,500.00 | ... | ... | ... | 27,500.00 |
| *Ogilvie Flour Mills (1st Mortgage).... | 1932 | 6 | 5%b | . | 2,000.00 | ... | ... | 2,000.00 |
| Republic Iron & Steel Co. (Sinking Fund)... | 1940 | 5 | 90 3/4 | ... | 25,000.00 | ... | ... | 25,000.00 |
| Richmond Loc. & Mac. Works (Con. Mtg.)... | 1929 | 6 | 115 | 24,000.00 | ... | ... | ... | 24,000.00 |
| Rogers Brown Iron Co. (1st Mtg. & Rtg.)... | 1924 | 5 | 5 1/2b | 25,000.00 | ... | ... | ... | 25,000.00 |
| *Royal Can. Yacht Club (Deb.).... | 1925 | 5 | 100 | . | 400.00 | ... | ... | 400.00 |
| Scarsdale Company (1st Mortgage).... | 1919 | 6 | 95 | 25,000.00 | . | ... | ... | 25,000.00 |
| Scarsdale Company (1st Mortgage)..... | 1919 | 6 | 6,20b | 10,000.00 | . | ... | ... | 10,000.00 |
| Swartzchild & Sulzberger (Deb.).... | 1916 | 6 | 100 1/2 | 25,000.00 | . | ... | ... | 25,000.00 |
| Texas Co. (Conv. Bonds)..... | 1931 | 6 | 98 | . | 15,000.00 | ... | ... | 15,000.00 |
| Studebaker Corporation (Notes).... | 1912-1922 | 5 | 97 3/4 | . | 30,000.00 | ... | ... | 30,000.00 |
| Trow Directory, Ptg. & Bkdg. Co. (1st Mtg.)... | 1912-1914 | 5 | 5 1/2b | 120,000.00 | . | 5,000.00 | ... | 115,000.00 |
| United Fruit Co. (Sinking Fund Deb.)... | 1923 | 4 1/2 | 95 3/4 | 25,000.00 | ... | ... | ... | 25,000.00 |
| U. S. Rubber Co. (Col. Tr. 10-yr. note)... | 1918 | 6 | 102 1/4 | 25,000.00 | ... | ... | ... | 25,000.00 |
| Union Typewriter Co. (3 yr. note).... | 1913 | 5 | 6b | 25,000.00 | . | ... | ... | 25,000.00 |
| Va. Caro, Chemical Co. (1st Mortgage)... | 1923 | 5 | 5-57b | 25,000.00 | . | ... | ... | 25,000.00 |
| Western Electric Co. (1st Mortgage).... | 1922 | 5 | 99 | 25,000.00 | . | ... | ... | 25,000.00 |
| | | | | \$858,500.00 | \$229,878.50 | \$105,125.00 | | \$983,253.50 |

Stocks

| | | | | | | | |
|--|---|-------------|-----------|-------------|-------------|-----|-------------|
| American Car & Foundry Co., Preferred | 7 | 115 3/4-1/8 | ... | \$25,000.00 | ... | ... | \$25,000.00 |
| American Light & Traction Co., Preferred | 6 | 100 | ... | \$25,000.00 | ... | ... | 25,000.00 |
| American Sugar Ref. Co., Preferred.... | 7 | 116 1/8 | ... | 10,000.00 | ... | ... | 10,000.00 |
| American Tobacco Co., Preferred.... | 6 | 101 1/4 | 25,000.00 | . | \$25,000.00 | ... | ..... |
| American Tobacco Co., Preferred.... | 6 | 101 1/4 | . | 20,000.00 | ... | ... | 20,000.00 |

*A gift

| Name | When Due | Rate | Cost | Balance Aug. 1, 1911 | Purchased during year | Sold or paid during year | Balance Aug. 1, 1912 |
|---|----------|---------|------|-------------------------|--------------------------|-----------------------------|-------------------------|
| Atchison Topeka & Santa Fe, Preferred. | | 5 | 103 | .. ..... | \$25,000.00 | .. . . . | \$ 25,000.00 |
| Baltimore & Ohio R. R. Co., Preferred. | | 4 | 94 | \$ 300.00 | .. . . . | .. . . . | 300.00 |
| Baltimore & Ohio R. R. Co., Preferred. | | 4 | 88 | .. . . . | 20,000.00 | .. . . . | 20,000.00 |
| Chicago, Gt. Western Ry. Co., Preferred. | | | | 100,000.00 | .. . . . | .. . . . | 100,000.00 |
| (Taken in reorganization of Debenture Stock) | | | | | | | |
| Columbia Knickerbocker Trust Co. (Stock & Ben. Cert.) |  |  |  | .. ..... | 8,200.00 | .. . . . | 8,200.00 |
| Delaware & Hudson Co. | 9 | 171-175 | | 25,000.00 | .. . . . | .. . . . | 25,000.00 |
| Delaware & Hudson Co. | 9 | 162 |  | .. .. | 10,000.00 | .. . . . | 10,000.00 |
| Diamond Match Co. | 6 | 101 |  | .. . . . | 10,000.00 | .. . . . | 10,000.00 |
| 1st National Bank of Ithaca. | 12 | 163-50 | | 10,000.00 | .. . . . | .. . . . | 10,000.00 |
| *1st National Bank of Ithaca. | 12 | 125 | | 40,000.00 | .. . . . | .. . . . | 40,000.00 |
| General Chemical Co., Preferred. | 6 | 106.57 |  | .. . . . | 25,000.00 | .. . . . | 25,000.00 |
| General Chemical Co., Preferred. | 6 | 100 |  | .. . . . | 1,250.00 | .. . . . | 1,250.00 |
| Great Northern Ry. Co., Preferred. | 7 | 116 | | 10,000.00 | .. . . . | .. . . . | 10,000.00 |
| Great Northern Ry. Co., Preferred. | 7 | 133½ | | 15,000.00 | .. . . . | .. . . . | 15,000.00 |
| *Great Northern Ry. Co., Preferred. | 7 | 130 |  | .. ..... | 28,000.00 | .. . . . | 28,000.00 |
| Great Northern Ry. Co., Preferred. | 7 | 122½ |  | .. ..... | 25,000.00 | .. . . . | 25,000.00 |
| Great Northern Ry. Co., Preferred. | 12 | 300 | | 8,200.00 | .. . . . | \$8,200.00 | .. ..... |
| Knickerbocker Trust Co. |  |  |  | .. ..... | .. . . . | .. . . . | .. ..... |
| Liggett & Myers Tob. Co., Preferred. | 7 | 101¼ |  | .. ..... | 10,000.00 | .. . . . | 10,000.00 |
| P. Lorillard & Co., Preferred. | 7 | 101¼ |  | .. ..... | 10,000.00 | .. . . . | 10,000.00 |
| *The Mackay Companies, Preferred. | 4 | 109⅞ |  | .. ..... | 12,800.00 | .. . . . | 12,800.00 |
| *The Mackay Companies, Common. | 5 | 80 |  | .. ..... | 12,800.00 | .. . . . | 12,800.00 |
| National Bank of Commerce. | 8 | 173 |  | .. ..... | .. . . . | .. . . . | .. ..... |
| N. Y. Central & H. R. R. Co. | 6 | 100 | | 23,000.00 | .. . . . | .. . . . | 23,000.00 |
| N. Y. Central & H. R. R. Co. | 6 | 101 | | 15,000.00 | .. . . . | .. . . . | 15,000.00 |
| *N. Y. Central & H. R. R. Co. | 5 | 117⅜ | | 10,000.00 | .. . . . | .. . . . | 10,000.00 |
| New York Dock Co., Preferred. | 3½ | | | 27,800.00 | .. . . . | .. . . . | 27,800.00 |
| Northern Pacific Ry. Co. | 7 | 133½ | | 27,500.00 | .. . . . | .. . . . | 27,500.00 |
| Northern Pacific Ry. Co. | 7 | 116 | | 25,000.00 | .. . . . | .. . . . | 25,000.00 |
| Northern Pacific Ry. Co. | 7 | 113⅝ |  | .. ..... | 15,000.00 | .. . . . | 15,000.00 |
| *Northern Pacific Ry. Co. | 7 | 121⅞ |  | .. ..... | 34,100.00 | .. . . . | 34,100.00 |
| *Northern Securities Co. | 1 | 10 |  | .. ..... | 600.00 | .. . . . | 600.00 |
| Penn. R. R. Co. | 6 | 119⅜ |  | .. ..... | 35,000.00 | .. . . . | 35,000.00 |

*A gift.

| | | | | | | |
|---|---|---------------------------------|---------------------|---------------------|--------------------|---------------------|
| Penn. R. R. Co. | 6 | 123 ⁷ / ₈ | ... | \$ 5,000.00 | ..... | \$ 5,000.00 |
| Penn. R. R. Co. | 6 | 120 | ..... | 10,000.00 | ..... | 10,000.00 |
| Reading Company, 1st Preferred..... | 4 | 80 | \$ 20,000.00 | .. | ..... | 20,000.00 |
| Reading Company, 1st Preferred.. | 4 | 100 | 30,000.00 | .. | ..... | 30,000.00 |
| W. M. Ritter Lumber Co..... | 7 | 107 ¹ / ₂ | ..... | 10,000.00 | ..... | 10,000.00 |
| Sears, Roebuck & Co., Preferred. | 7 | 121 ¹ / ₂ | 20,000.00 | ..... | ..... | 20,000.00 |
| Sears, Roebuck & Co..... | 7 | 122 ⁵ / ₈ | ..... | 5,000.00 | ..... | 5,000.00 |
| Southern Pacific Ry. Co..... | 6 | 106 ³ / ₄ | ..... | 15,000.00 | ..... | 15,000.00 |
| Southern Pacific Ry. Co..... | 6 | 109 | ..... | 10,000.00 | ..... | 10,000.00 |
| Union Pacific R. R. Co., Preferred..... | 4 | 91 ¹ / ₂ | ..... | 50,000.00 | ..... | 50,000.00 |
| Union Pacific R. R. Co..... | 4 | 91 ¹ / ₄ | ..... | 7,500.00 | ..... | 7,500.00 |
| U. S. Steel Corporation, Preferred..... | 7 | 109 ⁵ / ₈ | ..... | 25,000.00 | ..... | 25,000.00 |
| *Wheeling & Lake Erie, 1st Preferred... | | 44 | 3,000.00 | ..... | ..... | 3,000.00 |
| *Wheeling & Lake Erie, 2d Preferred.. | | 24 | 1,500.00 | ..... | ..... | 1,500.00 |
| | | | <u>\$433,500.00</u> | <u>\$518,050.00</u> | <u>\$33,200.00</u> | <u>\$918,350.00</u> |
| | | | \$7,531,820.12 | \$1,060,689.02 | \$551,073.00 | \$8,041,432.14 |

*A gift.

| | | |
|---|------------|----------------------------|
| Brought Forward | | \$8,041,436.14 |
| 488 mortgages on improved real estate, bearing from 5% to 6% interest, and running from one to ten years, as per complete list in manuscript report | | 1,431,106.47 |
| Loans on collateral | | 79,477.50 |
| SPECIAL DEPOSITS: | | |
| Columbia Trust Co. | \$1,674.20 | |
| Guaranty Trust Co. | 695.47 | |
| Bankers Trust Co. | 554.07 | |
| Metropolitan Trust Co. | 386.10 | |
| U. S. Mortgage & Trust Co. | 154.64 | |
| Ithaca Trust Co. | 1,564.74 | \$5,029.22 |
| REAL ESTATE: | | |
| Cottage Investment Acct. 5½% | 81,498.88 | |
| Sage Block at 8% | 36,000.00 | |
| Catlin Building, Omaha, at 10% | 12,900.00 | 130,398.88 |
| LAND CONTRACTS: | | |
| Western Land Contracts 5½% to 7% (See Schedule XIII) | 81,149.69 | |
| Warren States Contracts, 5% | 300.00 | 8,449.69 |
| ADVANCES FOR PURCHASE OR CONSTRUCTION: | | |
| Farm Land Purchase at 5% | 26,459.39 | |
| Cornell Infirmary Addition at 5% .. | 68,753.19 | |
| Location State Agriculture Buildings. | 9,766.71 | |
| Water Power Development. | 37,395.93 | |
| Alumni Field Grading | 256.40 | |
| Hasbrouck Property Improvement .. | 801.09 | 143,432.71 |
| LEDGER BALANCES: | | |
| Departmental | 5,350.86 | |
| Expense | 2,400.69 | |
| Bennett Mortgages. | 1,440.00 | |
| La Cross Bond Rec. | 1,250.00 | |
| Sundry Persons. | 3,573.88 | 14,015.43 |
| CASH BALANCES: | | |
| E. S. DeLaney, Petty cash Agr. Col. | 400.00 | |
| V. A. Moore, Petty cash, Vet. Col. | 100.00 | |
| Wm. Polk, Petty cash, Med. College. | 500.00 | 1,000.00 |
| | | \$9,854,346.04 |
| LESS AMOUNTS DUE: | | |
| Bills payable | 6,500.00 | |
| E. J. Bennett Book Fund. | 2,022.01 | |
| Memorial Book Fund. | 758.37 | |
| Sage Room Deposits. | 1,930.00 | |
| Cong. Ind. Fund. | 50,000.00 | |
| Students | 1,507.37 | |
| G. S. Hopkins, Treas. | 1,180.00 | |
| Civ. Eng. Survey Camp. | 1,088.92 | |
| Sundry Persons | 239.73 | 65,226.40 |
| Cash in bank | | \$84,521.89 \$9,789,119.64 |

TREASURER'S REPORT

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| | | | | |
|--|-------------|-------------|-------------|----------------|
| Brought Forward..... | | | | \$9,789,119.64 |
| DUE STATE FROM C. U.: | | | | |
| Agricultural Income..... | \$10,489.15 | | | |
| Appropriation for Maintenance State College of Agriculture, 1910-11.... | 136.05 | | | |
| Appropriation for Maintenance, State College of Agriculture, 1911-12.... | 47,046.08 | | | |
| State Agr. Income..... | 11,341.55 | | | |
| State College of Forestry Income... | 9,650.63 | | | |
| State Veterinary College Maintenance | 2,284.18 | | | |
| State Veterinary College Income | 6,708.94 | | | \$87,656.58 |
| | | | | <hr/> |
| DUE C. U. FROM STATE: | | | | |
| State appropriation for Agricultural College Extension work | \$15,395.08 | | | |
| New Buildings..... | 86.80 | | | |
| New Buildings, Headquarters Bldg | 68.62 | | | |
| Heating plant building, etc. | 237.58 | | | |
| Grading road, etc | 3,004.00 | | | |
| Repairs, etc | 705.57 | | | |
| Summer School No. 1.... | 2,638.37 | | | |
| Summer School No. 2.... | 3,748.99 | | | |
| Plant Diseases | 392.95 | | | |
| Appropriation for State Vet. College: | | | | |
| Equipments | 799.45 | | | |
| Clinical Hospital..... | 21.30 | | | |
| State College of Forestry Lumbering account.. | 183.26 | \$27,281.97 | \$60,374.61 | \$24,147.28 |
| | | | | <hr/> |
| | | | | \$9,813,266.92 |

SCHEDULE IX

CASH STATEMENT

| | | |
|---|--------------|----------------|
| Cash on hand August 1, 1911..... | \$90,696.73 | |
| Cash received during the year..... | 3,381,309.53 | \$3,472,006.26 |
| | <hr/> | |
| Disbursed during the year | | 3,387,484.37 |
| | | <hr/> |
| | | \$84,521.89 |
| On Deposit First National Bank, Ithaca | \$61,332.96 | |
| On Deposit Guaranty Trust Co., New York | 11,756.63 | |
| On Deposit First National Bank, acct. State College of Forestry | 9,650.63 | |
| Cash and drafts in office..... | 1,781.67 | |
| | <hr/> | |
| | \$84,521.89 | |

SCHEDULE X

SUSPENSE ACCOUNT

| | | |
|---|-----------|------------|
| Lots in Topeka | \$ 833.53 | |
| New York Dock Company, 250 shares common | 2,500.00 | |
| LaCrosse Water Power Company stock, 25 shares preferred, 50 shares common | 1,250.00 | |
| Connecticut River Power Company stock, 100 shares common | 100.00 | \$4,683.53 |

NOTE: The Suspense Account consists of property of uncertain value taken in adjustment of securities or as a bonus on purchase and is not included in the University assets.

SCHEDULE XI

SUMMARY OF INTEREST RATES

| | August 1, 1911 | August 1, 1912 | Increase | Decrease |
|-------------------------|----------------|----------------|----------------|--------------|
| Securities bearing | | | | |
| 3% int. or dividend | \$ 3,875.69 | \$ 5,029.22 | \$ 1,153.53 | |
| 3½ " " | 52,623.04 | 52,500.00 | | \$ 123.04 |
| 4 " " | 807,800.00 | 1,069,556.00 | 261,756.00 | |
| 4½ " " | 486,400.00 | 469,335.98 | | 17,064.02 |
| 4¾ " " | 31,500.00 | 28,500.00 | | 3,000.00 |
| 5 " " | 5,253,060.12 | 5,301,059.71 | 47,999.59 | |
| 5¼ " " | 16,000.00 | 15,000.00 | | 1,000.00 |
| 5½ " " | 139,658.56 | 200,498.88 | 60,840.32 | |
| 5¾ " " | | 425,000.00 | 425,000.00 | |
| 6 " " | 1,648,113.95 | 1,522,531.45 | | 125,582.50 |
| 6½ " " | 31,000.00 | | | 31,000.00 |
| 7 " " | 135,152.24 | 336,683.24 | 201,531.00 | |
| 8 " " | 35,900.00 | 67,200.00 | 31,300.00 | |
| 9 " " | 25,000.00 | 35,000.00 | 10,000.00 | |
| 10 " " | | 12,900.00 | 12,900.00 | |
| 12 " " | 58,200.00 | 50,000.00 | | 8,200.00 |
| Non paying | 129,500.00 | 200,316.00 | 70,816.00 | |
| Cash items, etc | 27,701.86 | 22,156.44 | | 5,545.42 |
| | \$8,881,485.46 | \$9,813,266.92 | \$1,123,296.44 | \$191,514.98 |

NOTE: The average rate on the above is .05087 per cent. The rate of interest upon invested funds actually received during the past year averaged .05065.

SCHEDULE XII

CHANGES IN INVESTMENTS SINCE AUGUST 1, 1911

| | |
|---|----------------|
| Securities on hand Aug. 1, 1911 as per Treasurer's Report | \$8,881,485.46 |
| Add purchased during the year: | |
| Corporation Bonds, Notes and Stocks | \$1,060,689.02 |
| Bonds and Mortgages (See Productive Funds) | 657,434.03 |

| | | |
|--|------------------|------------------------|
| Western Land Contracts, Sales during the year (Schedule XVII) | | \$8,881,485.46 |
| Increase in Cottage Investment..... | \$ 2,075.00 | |
| Addition to Sage Block..... | 13,992.18 | |
| Increase in Special Deposits | 5,000.00 | |
| Advances and Ledger Balances..... | 1,030.49 | |
| | <u>94,064.49</u> | 1,834,285.21 |
| | | <u>\$10,715,770.67</u> |
| Deduct, paid or sold during the year: | | |
| Corporation Bonds, Notes and Stocks (See Productive Funds) | \$551,073.00 | |
| Sundry Bonds and Mortgages (See Productive Funds) | 304,617.56 | |
| Decrease in Loans on collateral..... | 23,500.00 | |
| Decrease in Cash Item | 4,397.33 | |
| Western Land Contracts, paid during year (See Schedule XVII)..... | 18,865.86 | |
| Paid Account Warren States Contract..... | 50.00 | 902,503.75 |
| | | <u>\$9,813,266.92</u> |

SCHEDULE XIII

BALANCES DUE AUG. 1, 1912, ON CONTRACTS FOR WESTERN LANDS SOLD

| | | |
|------------------------------------|----|-------------------|
| Christian Anderson. | 6% | \$ 400.00 |
| Louis Anderson..... | 7 | 243.24 |
| Chas. T. Gerone | 6 | 270.00 |
| Jump River Land | 6 | 4,286.45 |
| Julius Kuehl | 6 | 275.00 |
| Gustav & Augusta Lange. | 7 | 340.00 |
| South Alberta & Minn. Land Co..... | 6 | 700.00 |
| Gust Wegan..... | 6 | 300.00 |
| W. D. Brainard..... | 6 | 310.00 |
| Ludwig Rolstad. | 6 | 550.00 |
| W. A. Grover..... | 6 | 475.00 |
| | | <u>\$8,149.69</u> |

SCHEDULE XIV

REAL ESTATE

| Land | Acres | |
|--------------------------|-------|---------------------|
| Campus | 351 | \$235,958.05 |
| *Agricultural Farms..... | 581 | 29,257.78 |
| Veterinary Farm..... | 115 | 5,936.00 |
| Hasbrouck Farm..... | 52 | 4,200.00 |
| | | <u>\$275,351.83</u> |

*\$30,816.73 now carried in the Farm Purchase Account was advanced from Productive Funds for the purchase of Agricultural Farms and is carried as an investment to be cancelled by annual payments from the University appropriation to Agriculture. As the payments are made the amount will be carried to the Real Estate Account. This account does not include the value of Preswick Farm, payment for which is made in the form of an annuity.

| | | |
|---|-------------------|----------------|
| Brought Forward | | \$275,351.83 |
| Buildings | Built or acquired | |
| Barnes Hall | 1889 | \$ 53,659.87 |
| Boardman Hall | 1891 | 102,699.62 |
| Cascadilla Building | 1868 | 37,010.94 |
| Carnegie Filtration Plant | 1903 | 22,000.00 |
| Franklin Hall | 1883 | 100,923.11 |
| Fuertes Observatory | 1902 | 6,624.92 |
| Goldwin Smith Hall | 1904 | 353,550.25 |
| Hasbrouck Lodge, etc. | 1910 | 5,800.00 |
| Hydraulic Laboratory Building | 1902 | 7,390.00 |
| Infirmary | 1898 | 60,000.00 |
| Schuyler Property | 1910 | 15,000.00 |
| Library | 1890 | 296,020.90 |
| Lincoln Hall | 1888 | 72,603.10 |
| MacKoon Cottage | 1883 | 14,248.97 |
| McGraw Hall | 1871 | 120,000.00 |
| Medical College, New York City | 1901 | 850,000.00 |
| Loomis Laboratory, New York City | 1906 | 120,000.00 |
| Medical College Laboratory, New York City | 1906 | 75,000.00 |
| Military and Gymnasium | 1883-1892 | 60,911.96 |
| Morrill Hall | 1868 | 70,111.25 |
| Morse Hall and Annex | 1890-1898 | 133,930.10 |
| Carnegie Addition | 1911 | 60,300.00 |
| North Barn | 1883 | 5,987.30 |
| Power House | 1905 | 10,000.00 |
| President's House | 1876 | 50,000.00 |
| Repair Shop | 1895 | 6,000.00 |
| Rockefeller Hall | 1904 | 274,494.01 |
| Sage Chapel and Organ | 1874-1895 | 40,000.00 |
| H. W. Sage Memorial Apse | 1898 | 12,000.00 |
| Memorial Chapel | 1883 | 11,547.76 |
| Sage College and Conservatory | 1875-1895 | 210,662.15 |
| Sage College Cottage | 1897 | 13,000.00 |
| Sibley Buildings | 1871-1902 | 218,361.56 |
| South Barn | 1902 | 5,000.00 |
| Stimson Hall | 1901 | 130,756.63 |
| Susan Linn Sage Cottage | 1887 | 11,215.79 |
| Thurston Cottage | 1905 | 10,000.00 |
| White Hall | 1873 | 80,485.16 |
| Total C. U. Real Estate Ledger Acct | | \$3,727,295.35 |
| Buildings in course of construction: | | |
| Infirmary Addition | 1912 | \$93,980.76 |
| Prudence Risley Hall | 1912 | 65,605.44 |
| Rand Hall | 1912 | 60,196.73 |
| Total C. U. Real Estate | | \$219,782.93 |
| Total C. U. Real Estate | | \$4,222,430.11 |
| State Veterinary College: | | |
| Original Buildings | 1895 | \$135,000.00 |
| North Wing | 1911 | 20,000.00 |
| Operating Ward | 1908 | 6,796.67 |
| Clinic and Hospital Building (unfinished) | 1912 | 10,569.76 |
| | | \$172,366.43 |
| State Agricultural College: | | |
| Original Buildings | 1906 | \$275,000.00 |
| Poultry Houses | 1908 | 2,001.00 |
| Entomology Glass houses | 1910 | 2,957.00 |

State Agricultural College:—*continued*

| | | | |
|-------------------------------------|------|-------------|----------------|
| Cattle Barn | 1910 | \$22,999.00 | |
| Glasshouses | 1910 | 27,043.00 | |
| Horse Barn (unfinished)..... | 1912 | 15,380.38 | |
| Auditorium (unfinished) | 1912 | 7,680.21 | |
| Poultry Husbandry (unfinished)..... | 1912 | 46,656.31 | |
| Home Economics (unfinished) | 1912 | 74,669.58 | \$ 474,386.48 |
| | | | <hr/> |
| | | | \$4,869,183.02 |

SCHEDULE XV

EQUIPMENT

| | |
|--|----------------|
| Agricultural Experiment Station | \$ 17,378.67 |
| Archæology | 5,535.00 |
| Architecture | 25,681.72 |
| Botanical | 18,895.94 |
| Chemical | 121,538.10 |
| Civil Engineering | 66,755.40 |
| Education | 3,700.75 |
| Entomological | 20,175.35 |
| Geological | 69,191.58 |
| German | 1,150.50 |
| Greek | 2,292.45 |
| Gymnasium | 13,359.00 |
| Law (furniture)..... | 6,442.75 |
| Libraries | 792,501.60 |
| Mechanical | 212,446.95 |
| Mathematical | 1,935.00 |
| Medical, New York | 63,443.90 |
| Medical, Ithaca..... | 71,151.33 |
| Military | 2,875.66 |
| Museum Classical Archæology | 19,085.79 |
| Neurology | 38,208.94 |
| Physical | 133,300.59 |
| Psychological..... | 18,740.00 |
| Administrative Offices | 12,419.00 |
| Chimes and Clock..... | 16,220.00 |
| Electric Service..... | 33,287.08 |
| Fire Apparatus | 1,325.00 |
| Grounds | 8,240.59 |
| Infirmary | 8,596.00 |
| Memorial Chapel Statuary | 16,500.00 |
| Repairs | 10,521.20 |
| Tunnel and Flume | 29,700.00 |
| Water and Steam | 4,775.14 |
| Water Works System | 34,728.65 |
| | <hr/> |
| | \$1,902,099.63 |
| New York State College of Agriculture..... | 174,034.91 |
| New York State Veterinary College..... | 51,335.33 |
| | <hr/> |
| | \$2,127,469.87 |

SCHEDULE XVI**CAPITAL ACCOUNT**

| | | |
|---------------------------------------|-------------|----------------|
| Capital August 1, 1911..... | | \$8,881,485.46 |
| Add: | | |
| Alumni Fund..... | \$ 7,991.55 | |
| Class '91..... | 32.45 | |
| Class '96 Memorial Fund..... | 48.82 | |
| Class '97 Memorial Fund..... | 80.89 | |
| Class '98 Alumni Hall Fund..... | 21.02 | |
| Class '08 Memorial Fund..... | 56.19 | |
| Class '10..... | 813.38 | |
| Cornell Endowment Fund..... | 428.88 | |
| Cornell Endowment Reserve..... | 1,862.59 | |
| Guiteau Student Loan Fund..... | 6,104.90 | |
| Mary F. Hall D. A. R. Fund..... | 29.32 | |
| Willard Fiske Fund..... | 24.00 | |
| Professorial Pension Fund..... | 11,460.42 | |
| Professorial Pension Income Fund..... | 3,216.92 | |
| Surplus Fund..... | 5.34 | |
| Cottage Renewal Fund..... | 3,429.13 | |
| Women's Student Loan Fund..... | 1,171.12 | |
| Fraser Fund..... | 3,000.00 | |
| Goldwin Smith Fund..... | 644,650.40 | |
| Jacob Schiff Fund..... | 100,000.00 | |
| Wurts Loan Fund..... | 2,264.74 | |
| Surplus Current Income..... | 182,356.22 | 969,048.28 |
| | | <hr/> |
| | | \$9,850,533.74 |
| Deduct: | | |
| Decrease in Premium and Discount..... | 36,871.82 | |
| Alumni Loan Fund..... | 395.00 | 37,266.82 |
| | | <hr/> |
| | | \$9,813,266.92 |

SCHEDULE XVII**WESTERN LANDS****Receipts and Disbursements Account Western Lands for Year Ending****August 1, 1912**

| | |
|--|---|
| Receipts, Aug. 1, 1911, to Aug. 1, 1912 | Disbursements, Aug. 1, 1911, to Aug. 1, 1912 |
| Land and Timber Contracts \$18,865.86 | Taxes..... \$ 170.91 |
| | Commissions..... 40.00 |
| | General Expense..... 1.50 |
| | Balance..... 18,653.45 |
| | <hr/> |
| | \$18,865.86 |
| Excess of receipts over disbursements..... \$ 18,653.45 | |
| C. U. Balance Aug. 1, 1911..... 5,017,619.33 | |
| C. U. Balance Aug. 1, 1912..... | |
| | <hr/> |
| | \$5,036,272.78 |

FARM LAND SALES

| | | | |
|----------------------|--------|-------|------------|
| W. D. Brainard..... | 40 | acres | \$400.00 |
| M. A. Poznanski..... | 59.37 | " | 400.00 |
| Ludwig Rolstad..... | 80 | " | 650.00 |
| W. A. Grover..... | 80 | " | 625.00 |
| | 259.37 | " | \$2,075.00 |

SUMMARY OF BALANCES DUE ON CONTRACTS

| | |
|---|-------------|
| August 1, 1911, Balance due | \$24,940.55 |
| Farm land sales during the year | 2,075.00 |
| | \$27,015.55 |
| Amount received Land and Timber Contracts | 18,865.86 |
| Balance August 1, 1911 | \$8,149.69 |

SUMMARY OF ACREAGE

| | |
|-------------------------------------|----------------|
| Balance unsold August 1, 1911 | 1,419.37 acres |
| Sales during year..... | 259.37 " |
| Balance unsold August 1, 1912 | 1,160.00 acres |

TRIAL BALANCE LAND LEDGER

| | | | |
|--------------------------|----------------|--------------------------|----------------|
| Expense | \$1,727,255.08 | Land | \$4,534,562.87 |
| Cornell University ... | 5,036,272.78 | Timber | 2,211,616.59 |
| Balance due on contracts | 8,149.69 | Trespass | 20,063.90 |
| | | Hay | 4,268.14 |
| | | Farm Land Rent | 758.05 |
| | | College Land Scrip | 408.00 |
| | \$6,771,677.55 | | \$6,771,677.55 |

SCHEDULE XVIII

NEW YORK STATE VETERINARY COLLEGE

Maintenance Account

| | |
|---|-------------|
| Balance on hand August 1, 1911 | \$ 2,427.83 |
| Appropriation State of New York for 1911-12 | 47,500.00 |
| Expenditures: | |
| Salaries (Instructing Staff) | \$30,138.87 |
| Pay Roll (other employees) | 4,754.98 |
| Electricity, gas and fuel | 874.99 |
| Repairs and Grounds | 565.67 |
| Advertising and Printing | 238.33 |
| Office | 205.02 |
| Library | 388.60 |
| Departments | 5,540.41 |
| Experimental work..... | 4,407.04 |
| Contingent. | 529.74 |
| | \$47,643.65 |
| Balance unexpended August 1, 1912.... | 2,284.18 |
| | \$49,927.83 |
| | \$49,927.83 |

Income Account

| | | |
|--|------------|------------|
| Balance on hand August 1, 1911 | | \$7,611.41 |
| Received August 1, 1911-July 31, 1912: | | |
| Laboratory fees | \$2,255.95 | |
| Tuition | 800.00 | |
| Clinics and Medicine | 2,094.52 | |
| Tuberculin Mallein, etc. | 968.12 | |
| Hog Cholera Serum | 718.90 | |
| Sale of Horse | 225.00 | |
| Sale of Temporary Shed | 50.00 | |
| Miscellaneous | 51.11 | 7,163.60 |

Expended August 1, 1911, to July 31, 1912:

| | | |
|---|-------------|-------------|
| Departments | \$3,363.29 | |
| Salaries and Pay Roll | 367.00 | |
| Office | 562.89 | |
| Library | 6.75 | |
| Advertising and Printing | 667.22 | |
| Electricity, Gas and Fuel | 72.79 | |
| Grounds and Repairs | 146.00 | |
| Clinical Buildings | 18.60 | |
| Insurance | 592.25 | |
| Experimental Work | 1,461.41 | |
| Teams and Wagons | 100.00 | |
| Contingent Expense | 707.87 | |
| | \$8,066.07 | |
| Balance unexpended August 1, 1912 | 6,708.94 | |
| | \$14,775.01 | \$14,775.01 |

1911 Appropriation for Equipment of North Wing

| | | |
|---|------------|------------|
| Appropriation | | \$3,000.00 |
| Expended | \$ 799.45 | |
| Balance unexpended August 1, 1912 | 2,200.55 | |
| | \$3,000.00 | \$3,000.00 |

1911 Appropriation for Clinical and Hospital Buildings

| | | |
|--|------------|-------------|
| Appropriation (authorization \$140,000.00) | | \$85,000.00 |
| Expenditures: | | |
| Architects | \$4,138.85 | |
| Contractor | 5,876.05 | |
| Miscellaneous | 554.86 | \$10,569.76 |
| Balance unexpended August 1, 1912 | | \$74,430.24 |

SCHEDULE XIX**NEW YORK STATE COLLEGE OF AGRICULTURE****1910 State Maintenance Appropriation (1910-11)**

| | |
|---|--------------|
| Appropriation | \$200,000.00 |
| Expenditures heretofore reported | 167,497.07 |
| Balance-unexpended August 1, 1910 | \$32,502.93 |

Expended as follows:

| | | |
|------------------------------------|-----------|-------------|
| Farmers' Wives Reading Course..... | \$ 630.20 | |
| Chemistry | 121.60 | |
| Rural Art | 220.52 | |
| Drawing | 1.15 | |
| Horticulture | 290.35 | |
| Poultry Husbandry | 526.67 | |
| Plant Physiology..... | 489.80 | |
| Pomology | 376.05 | |
| Dairy Industry | 825.06 | |
| Office | 8,964.39 | |
| Plant Breeding | 16.25 | |
| Animal Husbandry..... | 475.31 | |
| Soil Technology..... | 538.91 | |
| Farm Practice | 1,617.67 | |
| Plant Pathology | 47.56 | |
| Farm Management..... | 776.96 | |
| Farm Mechanics | 31.45 | |
| Rural Economy | 111.40 | |
| Salaries | 16,305.58 | \$32,366.88 |

Balance unexpended Aug. 1, 1912..... \$136.05

1911 State Maintenance Appropriation (1911-12)

Appropriation \$225,000.00

Expended as follows:

| | | |
|---|-------------|------------|
| Office, General Maintenance and Printing..... | \$21,851.04 | |
| Farm Management..... | 1,467.41 | |
| Animal Husbandry..... | 9,151.49 | |
| Dairy Industry | 10,965.75 | |
| Poultry Husbandry | 3,843.78 | |
| Horticulture | 3,063.31 | |
| Plant Breeding | 728.39 | |
| Entomology | 2,402.12 | |
| Plant Pathology | 1,736.07 | |
| Farm Practice | 9,062.41 | |
| Landscape Art..... | 684.02 | |
| Soil Technology..... | 1,409.58 | |
| Plant Physiology..... | 3,218.45 | |
| Salaries | 98,905.73 | |
| Home Economics | 2,592.34 | |
| Farm Mechanics..... | 684.42 | |
| Rural Economy..... | 488.25 | |
| Pomology | 2,646.64 | |
| Library | 451.52 | |
| Home Nature Study..... | 367.63 | |
| Chemistry | 644.80 | |
| Drawing | 123.69 | |
| Meteorology | 118.54 | |
| Forestry | 1,346.34 | 177,953.92 |

Balance unexpended Aug. 1, 1912..... \$47,046.08

1910 Appropriation for Extension Work upon the Farms and among the Farmers of the State

| | |
|---------------------------------------|-------------------|
| Appropriation | \$12,000.00 |
| Expenditures heretofore reported..... | 10,522.82 |
| | <u>\$1,477.18</u> |

Expended as follows:

| | |
|----------------------|------------|
| Extension Work | \$1,477.18 |
|----------------------|------------|

**1911 Appropriation for Extension Work upon the Farms and among the
Farmers of the State**

| | |
|---------------------|------------|
| Appropriation | \$3,000.00 |
|---------------------|------------|

Expended as follows:

| | |
|----------------------|------------|
| Extension Work | \$3,000.00 |
|----------------------|------------|

1911 Extension Appropriation (1911-12)

| | |
|---------------------|-------------|
| Appropriation | \$50,000.00 |
|---------------------|-------------|

Expended as follows:

| | | |
|-------------------------------------|------------|-------------|
| Office | \$2,913.65 | |
| Chemistry | 24.81 | |
| Entomology | 78.94 | |
| Rural Economy | 233.34 | |
| Plant Breeding | 765.89 | |
| Farm Practice | 380.73 | |
| Farmers' Wives Reading Course | 1,587.41 | |
| Animal Husbandry | 213.15 | |
| Horticulture | 471.24 | |
| Dairy Industry | 193.54 | |
| Farm Management | 889.32 | |
| Poultry Husbandry | 1,726.62 | |
| Salaries | 15,327.72 | |
| Soil Technology | 1,856.70 | |
| Extension Teaching | 7,578.71 | |
| Plant Pathology | 673.26 | |
| Rural Education | 678.96 | \$35,593.99 |

| | |
|---------------------------------------|-------------|
| Balance unexpended Aug. 1, 1912 | \$14,406.01 |
|---------------------------------------|-------------|

1911 Appropriation for Additions, Repairs and Betterments

| | |
|---------------------|-------------|
| Appropriation | \$10,000.00 |
| Expended | 3,572.50 |

| | |
|---------------------------------------|------------|
| Balance unexpended Aug. 1, 1912 | \$6,427.50 |
|---------------------------------------|------------|

1911 Appropriation for Summer School in Agriculture

| | |
|---------------------|------------|
| Appropriation | \$4,000.00 |
| Expended | 3,991.64 |

| | |
|---------------------------------------|---------|
| Balance unexpended Aug. 1, 1912 | \$ 8.36 |
|---------------------------------------|---------|

**1911 Appropriation for Instruction in Physics, Chemistry, etc., to Increased
Number of Students in College of Agriculture**

| | |
|---------------------|-------------|
| Appropriation | \$20,000.00 |
| Expended | 20,000.00 |

**1911 Appropriation for Investigation of Diseases of Gladioli and other Bulbous
Plants**

| | |
|---------------------|------------|
| Appropriation | \$1,000.00 |
| Expended | 392.95 |

| | |
|---------------------------------------|----------|
| Balance unexpended Aug. 1, 1912 | \$607.05 |
|---------------------------------------|----------|

1912 Appropriation for Additions, Repairs and Betterments

| | |
|--------------------------------------|-------------|
| Appropriation | \$10,000.00 |
| Expended | 705.57 |
| Balance unexpended Aug. 1, 1912..... | \$9,294.43 |

1912 Appropriation for Grading and Making Roads, Walks, Sewers and Underground Connections and Planting upon the Grounds

| | |
|-------------------------------------|-------------|
| Appropriation | \$10,000.00 |
| Expended for Grading, etc. | 3,004.00 |
| Balance unexpended Aug. 1, 1912.... | \$6,996.00 |

1912 Appropriation for Summer School in Agriculture

| | |
|--------------------------------------|------------|
| Appropriation | \$4,000.00 |
| Expended | 3,748.99 |
| Balance unexpended Aug. 1, 1912..... | \$ 251.01 |

**1910 Appropriation for Development and Extension
(Auditorium, Home Economics and Poultry Buildings)**

| | |
|--|--------------|
| Appropriation (Chap. 530 Laws 1910)..... | \$200,000.00 |
| Appropriation (Chap. 530 Laws 1912)..... | 182,000.00 |
| | \$382,000.00 |
| Expenditures heretofore reported. | 3,000.00 |
| Balance unexpended Aug. 1, 1911. | \$279,000.00 |
| Expended Aug. 1, 1911, to Aug. 1, 1912.... | 126,006.10 |
| Balance unexpended Aug. 1, 1912.... | \$152,993.90 |

1911 Appropriation for Horse Barn

| | |
|--|-------------|
| Appropriation (Chap. 164 Laws 1911)..... | \$20,000.00 |
| Expended | 15,380.38 |
| Balance unexpended Aug. 1, 1912.... | \$4,619.62 |

1911 Appropriation for Central Heating Plant

| | |
|--|-------------|
| Appropriation (Chap. 164 Laws 1911)..... | \$50,000.00 |
| Expended | 237.58 |
| Balance unexpended Aug. 1, 1912..... | \$49,762.42 |

1912 Appropriation for Continuing Development**(Headquarters, Stock Judging, Agronomy and Forestry Sections)**

| | |
|--|--------------|
| Appropriation (Chap. 560 Laws 1912)..... | \$200,000.00 |
| Expended | 68.62 |
| Balance unexpended Aug. 1, 1912..... | \$199,931.38 |

Agricultural Income Account

| | |
|---|-------------|
| Balance Aug. 1, 1911 | \$8,310.53 |
| Received from Farm Practice Dept. (Teaming, labor, etc.) | \$3,084.03 |
| Received from Animal Husbandry: | |
| Sales | \$10,189.74 |
| Testing | 31,028.74 |
| | 41,218.48 |
| | 44,302.51 |
| | \$52,613.04 |

Expended as follows:

| | | |
|--------------------------------------|-------------|--------------|
| By Farm Practice Department..... | \$ 2,703.54 | |
| By Animal Husbandry Department..... | 39,420.35 | \$ 42,123.89 |
| | | <hr/> |
| Balance unexpended Aug. 1, 1912..... | | \$ 10,489.15 |

State Agricultural College Income Account

| | | |
|--|--------------|--------------|
| Balance on hand Aug. 1, 1911 | | \$ 6,008.44 |
| Dairy Industry Sales | \$119,348.98 | |
| Poultry Husbandry Sales..... | 6,098.72 | |
| Tuition Regular Course | \$7,849.16 | |
| Tuition Summer School, 1911 | 320.00 | |
| Tuition Summer School, 1912 | 925.00 | |
| Fees Winter Course | 5,816.66 | |
| Fees Laboratories | 7,871.05 | |
| Fees Summer School, 1911 Laboratory..... | 232.25 | |
| Fees Summer School, 1912 Laboratory..... | 293.00 | 23,307.12 |
| | | <hr/> |
| Horticultural Sales | 902.50 | |
| Grape Rot Experiment..... | 134.64 | |
| Pomology Sales..... | 349.15 | |
| Extension Department..... | 1,066.10 | |
| Sundry Sources | 875.17 | \$152,082.38 |
| | | <hr/> |
| | | \$158,090.82 |

Expended as follows:

| | | |
|---------------------------------------|------------|--------------|
| Rural Art Department | \$ 22.44 | |
| Plant Breeding Department | 634.82 | |
| Office Department | 9,329.77 | |
| Soil Technology Department..... | 710.55 | |
| Plant Pathology Department | 904.87 | |
| Poultry Husbandry Department | 6,430.51 | |
| Horticultural Department | 1,013.32 | |
| Entomological Department | 2,563.47 | |
| Dairy Industry Department | 120,583.98 | |
| Home Economics Department | 1,120.15 | |
| Pomology Department..... | 1,517.96 | |
| Plant Physiology Department..... | 516.69 | |
| Farm Mechanics Department..... | 476.00 | |
| Grape Rot Experiments..... | 394.99 | |
| Farm Management Department..... | 291.08 | |
| Extension Department | 238.67 | \$146,749.27 |
| | | <hr/> |
| Balance unexpended Aug. 1, 1912 | | \$ 11,341.55 |

SCHEDULE XX**STATE COLLEGE FORESTRY LUMBERING ACCOUNT**

| | | |
|---|------------|------------|
| Balance August 1, 1911 | | \$9,341.09 |
| Received during year | | 186.66 |
| | | <hr/> |
| | | \$9,527.75 |
| Expended during year | | 60.38 |
| | | <hr/> |
| | | \$9,467.37 |
| Deposited First National Bank, College of Forestry .. | \$9,650.63 | |
| Due Cornell University, money advanced | 183.26 | |
| | <hr/> | |
| | | \$9,467.37 |

SCHEDULE XXI**SURPLUS OR INSURANCE FUND**

| | | |
|--|-------------|-------------|
| Amount of Fund, August 1, 1911 | | \$ 105.56 |
| Five per cent of General Income not including income on special funds | \$38,628.12 | |
| Income on Fund | 5.34 | 38,633.46 |
| | | <hr/> |
| | | \$38,739.02 |
| Amount transferred to Income | | 38,628.12 |
| | | <hr/> |
| Amount of Fund August 1, 1912 | | \$110.90 |

SCHEDULE XXII**WOMEN STUDENT LOAN FUND**

| | | |
|--------------------------------------|------------|-------------|
| Amount of Fund August 1, 1911 | | \$8,535.80 |
| Received on Loans during the year .. | \$1,455.77 | |
| Income on Fund | 432.35 | 1,888.12 |
| | | <hr/> |
| | | \$10,423.92 |
| Loaned during the year | | 717.00 |
| | | <hr/> |
| Amount of Fund, August 1, 1912 | | \$9,706.92 |

SCHEDULE XXIII

GUILTEAU STUDENT LOAN FUND

| | Principal of Fund | Income | Loans | Payment of Principal | Loans Interest |
|------------------------|----------------------|-------------|-------------|-------------------------|-------------------|
| 1906-07 | \$132,678.38 | \$6,747.44 | \$7,302.00 | \$395.00 | \$.82 |
| 1907-08 | 211,999.99 | 8,344.45 | 7,226.00 | 1,142.00 | 57.50 |
| 1908-09 | 231,078.59 | 11,392.18 | 7,802.10 | 2,269.00 | 242.68 |
| 1909-10 | 234,256.97 | 11,492.36 | 8,942.50 | 2,780.00 | 398.38 |
| 1910-11 | 239,222.35 | 11,837.04 | 11,728.75 | 4,379.00 | 586.38 |
| 1911-12 | 245,327.25 | 12,116.59 | 12,246.70 | 5,525.60 | 579.30 |
| | | \$61,930.06 | \$55,248.05 | \$16,490.60 | \$1,865.06 |
| Less payments on loans | | | 16,490.60 | | |
| Loans outstanding | | | \$38,757.45 | | |

SCHEDULE XXIV

CORNELL INFIRMARY

| | | |
|---|-------------|-------------|
| Balance on hand August 1, 1911 | \$ 9,209.02 | |
| Received from Infirmary Fees | 17,503.00 | |
| Received from patients for services not covered by fees | 2,826.54 | |
| Income from Endowment Fund | 5,050.00 | \$34,588.56 |

EXPENDED AUGUST 1, 1911, TO AUGUST 1, 1912:

Professional care of patients:

| | | |
|-------------------------------|------------|------------|
| Superintendent | \$1,183.33 | |
| Regular Nurses | 2,035.00 | |
| Special Nurses | 217.50 | |
| Apparatus and Instruments | 92.00 | |
| Medical and Surgical Supplies | 750.14 | |
| X-Ray Operator | 285.00 | |
| X-Ray Supplies | 100.61 | \$4,663.58 |

Housekeeping:

| | | |
|-----------|--------|----------|
| Janitors | 630.66 | |
| Maids | 594.90 | |
| Equipment | 926.00 | |
| Supplies | 104.60 | 2,256.16 |

Kitchen:

| | | |
|----------|----------|----------|
| Cook | 445.00 | |
| Help | 124.96 | |
| Supplies | 100.35 | |
| Food | 3,880.22 | 4,550.53 |

Laundry:

| | | |
|----------|--------|--------|
| Labor | 386.00 | |
| Supplies | 47.63 | 433.63 |

TREASURER'S REPORT

65

| | | | |
|--|-------------|-------------|-------------|
| Electric Lights | \$143.65 | | |
| Fuel | 743.69 | | |
| Gas | 125.50 | | |
| Ice | 175.20 | | |
| Insurance | 232.50 | | |
| Water | 220.46 | | |
| Plumbing and Steam fitting | 120.27 | | |
| Repairs | 860.04 | | |
| Reading Room and Office Supplies | 74.13 | | |
| Telegrams and Telephones | 121.31 | | |
| Grounds | 310.03 | | |
| Rent Nurses Rooms | 339.00 | | |
| Miscellaneous | 18.09 | \$3,483.87 | |
| | | <hr/> | |
| | | \$15,387.77 | |
| Outside Care, 1911-12 | | 738.20 | |
| Medical Advisers | | 2,028.91 | |
| Interest on University advance to Addition | | 1,883.04 | |
| Account new Addition | | 14,550.64 | \$34,588.56 |
| | | <hr/> | |
| New addition, cost to date | \$93,980.76 | | |
| Paid 1911 | \$10,676.93 | | |
| Paid 1912 | 14,550.64 | 25,227.57 | |
| | | <hr/> | |
| C. U. Advance Aug. 1, 1912 | \$68,753.19 | | |

SCHEDULE XXV

ALUMNI FUND

| | | |
|---|-------------|--|
| Received from August 1, 1909, to August 1, 1910 | \$5,459.30 | |
| Expended from August 1, 1909, to August 1, 1910 | 2,981.53 | |
| | <hr/> | |
| Balance August 1, 1910 | 2,477.77 | |
| Received from August 1, 1910, to August 1, 1911 | 12,240.70 | |
| Interest on Fund | 365.49 | |
| | <hr/> | |
| | \$15,083.96 | |
| Expended from August 1, 1910, to August 1, 1911 | 9,801.92 | |
| | <hr/> | |
| Balance August 1, 1911 | 5,282.04 | |
| Received August 1, 1911, to August 1, 1912 | 14,618.27 | |
| Interest on Fund | 468.08 | |
| | <hr/> | |
| | \$20,368.39 | |
| Expended August 1, 1911, to August 1, 1912 | 7,094.80 | |
| | <hr/> | |
| Balance August 1, 1912 | \$13,273.59 | |

SCHEDULE XXVI

ESTIMATED INCOME ON BASIS OF 1911-12 INCOME

| | Restricted to a particular purpose | Subject wholly or in part to appropriations | Total |
|---|--|---|----------------|
| Tuition from students. | | \$300,600.00 | \$300,600.00 |
| State account Agricultural students. | | 20,000.00 | 20,000.00 |
| Fees from students. | | 83,200.00 | 83,200.00 |
| Infirmary Fees and Extras. | 28,000.00 | | 28,000.00 |
| Summer Session. | 28,500.00 | | 28,500.00 |
| Sage College and Cottage. | 16,000.00 | | 16,000.00 |
| From invested funds. | 52,000.00 | 424,000.00 | 476,000.00 |
| Congressional Industrial Fund. | | 50,000.00 | 50,000.00 |
| Experiment Station. | 31,600.00 | | 31,600.00 |
| Rents. | 500.00 | 9,000.00 | 9,500.00 |
| Miscellaneous. | | 350.00 | 350.00 |
| | \$156,600.00 | \$887,150.00 | \$1,043,750.00 |
| Less 5% of General income to insurance or surplus. . | | | 38,000.00 |
| Estimated Income, Ithaca. | | | 1,005,750.00 |
| Estimated Income, New York City. | | | 213,590.00 |
| | | | \$1,219,340.00 |
| Amount of income due special funds. . . . | \$287,959.47 | | |
| Amount due on appropriation to complete contracts for last year. | 28,268.26 | | |
| | \$316,227.73 | | |
| Less cash surplus. | 155,870.12 | | |
| Total deficit August 1, 1912. | \$160,357.61 | | |

CERTIFICATE OF AUDITING COMMITTEE

We hereby certify that we have had examined the University Cash Book, Dr. and Cr. from August 1, 1911, to August 1, 1912; the balance due on Western Land Contracts, as specified in Schedule XIII of the foregoing report, amounting to \$8,149.69, that we have compared same with the notes exhibited by E. L. Williams, Treasurer, and with receipts for those in the course of collection; and that we have examined the securities as specified in Schedule VIII of this report, amounting to \$9,813,266.92, and find all of same correct.

HENRY B. LORD,
JARED T. NEWMAN,
CHARLES EZRA CORNELL,
Auditing Committee.

OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

Issued at Ithaca, N. Y., monthly from July to November inclusive, and semi-monthly from December to June inclusive.

[Entered as second class matter, August 31, 1910, at the post office at Ithaca, N. Y., under the Act of July 16, 1894.]

These publications include

Catalogue Number (containing lists of officers and students), price 25 cents.
Book of Views, price 25 cents.

Directory of Faculty and Students, First Term, 1912-13, price 10 cents, and the following informational publications, any one of which will be sent gratis and post-free on request. The date of the last edition of each publication is given after the title.

General Circular of Information for prospective students, October 1, 1912.

Announcement of the College of Arts and Sciences, June 15, 1912.

Announcement of Sibley College of Mechanical Engineering and the Mechanic Arts, Feb. 15, 1912.

Announcement of the College of Civil Engineering, March 1, 1912.

Announcement of the College of Law, May 15, 1912.

Announcement of the College of Architecture, March 15, 1912.

Announcement of the New York State College of Agriculture, Aug. 1, 1912.

Announcement of the Winter Courses in the College of Agriculture, November 1, 1912.

Announcement of the Summer School in Agriculture, July 1, 1912.

Announcement of the New York State Veterinary College, April 15, 1912.

Announcement of the Graduate School, January 15, 1912.

Announcement of the University Summer Session, April 1, 1912.

Announcement of the Department of Forestry, November 1, 1912.

Annual Report of the President, December 1, 1912.

Annual Report of the Treasurer, November 1, 1912.

Pamphlets on prizes, samples of entrance and scholarship examination papers, special departmental announcements, etc.

Correspondence concerning the publications of the University should be addressed to

The Secretary of Cornell University,
Ithaca, N. Y.

OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

VOLUME III

NUMBER 18

THE PRESIDENT'S REPORT 1911-12

DECEMBER 1, 1912
PUBLISHED BY CORNELL UNIVERSITY
ITHACA, NEW YORK

OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

VOLUME III

NUMBER 18

TWENTIETH ANNUAL REPORT OF PRESIDENT SCHURMAN 1911-12

WITH THE TREASURER'S REPORT, AND REPORTS OF THE DEANS OF
FACULTIES, DIRECTORS OF COLLEGES, THE REGISTRAR,
THE LIBRARIAN, AND OTHER OFFICERS

DECEMBER 1, 1912
PUBLISHED BY CORNELL UNIVERSITY
ITHACA, NEW YORK

Forms for bequests to Cornell University will be found at the close of the Treasurer's Report, page 47.

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PRESIDENT'S REPORT

FOR 1911-12

TO THE BOARD OF TRUSTEES:

The President of the University has the honor to submit to the Board of Trustees the following Report for the year 1911-12. The Report covers the period from September, 1911, to September, 1912.

TRUSTEES AND FACULTIES

The terms of office of Alumni Trustees Charles E. Treman and William H. French expired in June. To fill these vacancies the alumni elected John C. Westervelt, B.S. in Arch. '94, of New York City, and Mrs. Harriet Tilden Moody, B.Lit. '76, of Chicago, Illinois.

During the year the hand of death lay heavily on the Faculty. Professor George William Jones, who joined the Faculty in 1877, passed away October 29th, 1911. He was a very thorough teacher of mathematics, a scrupulously faithful officer of the University, and a generous friend and helper of needy students. On the 21st day of March the University community was shocked to hear of the sudden death of Professor Ralph Stockman Tarr, in the 49th year of his age. His investigations in geology and physical geography had secured for him a high standing in the scientific world; his powers of exposition made him an attractive teacher; and his sympathy and friendliness opened to him the hearts of responsive students. Ten days later, after a long and heroic struggle against ill health and suffering, death brought relief to Professor William Albert Finch, who had served the University for more than twenty years. He was one of the most modest of men, yet as his best students gradually discovered, a master of the complex and difficult law of real property and a scholar with broad intellectual interests and sympathies. Another professor who had suffered much in recent years and whose disease neither medicine nor surgery could eradicate, was released from his sufferings near the close of the academic year. Professor John Craig died on the 10th of August at his summer home at Siasconset. He had held the chair of Horticulture in Cornell since 1900 and his standing among scientists

was high. New students coming to Cornell, and especially foreign students, found in him an actively sympathetic friend.

Professor Henry Shaler Williams retired from his professorship of Geology on a Carnegie pension and was elected to an emeritus professorship. Professor Jeremiah Whipple Jenks, who has been absent from the University a good deal on public service, in June resigned his chair of Politics and Economics, to accept a position in New York University with better opportunities for the continuance of that service in combination with professorial duties. Professor Edwin Walter Kemmerer, of the Department of Economics and Finance, accepted a call to a chair in the Graduate School of Princeton. And Professor Benjamin Minge Duggar retires from teaching to devote himself to research in the Missouri Botanical Garden at St. Louis.

In the Department of Economics Professor Alvin Saunders Johnson has been called from the headship of the corresponding department at Stanford University. An undergraduate and graduate student at Nebraska and Columbia, a successful teacher at both, as well as at Texas and Stanford, a writer of growing reputation, and an investigator both in the field of economic theory and of industrial and social conditions, Professor Johnson, who is still a young man, will be cordially welcomed to a seat in the Faculty of Cornell University.

Another important appointment is that of William Edward Lunt, a scholar of about thirty years of age, to the new professorship of Modern European History, the establishment of which has been made possible by the allocation of a portion of the Goldwin Smith funds to the Department of History. A graduate of Bowdoin College, a post-graduate of Harvard, an investigator in Europe, a successful teacher with large influence over students both at the University of Wisconsin and Bowdoin College, Mr. Lunt comes from a full professorship at Bowdoin to the new chair at Cornell with the ambition, on the one hand, to be a teacher of students and, on the other, to increase his contributions to productive scholarship in which he has already made a most promising beginning.

Two more new professors have been added to the Faculty of the College of Agriculture, the one in Farm Crops and the other in Forestry. The first, Professor Edward Gerard Montgomery, has come from the chair of Agriculture in the University of Nebraska, in which he pursued both his undergraduate and graduate studies. The other new professor is Samuel Newman Spring, who takes the second chair of Forestry. Professor Spring received both his undergraduate

and graduate training at Yale University, and has had wide experience in the teaching and practice of forestry at Yale University, at the University of Maine, and in the forestry service of the United States and of the State of Connecticut.

To secure time for filling the professorship of Politics, which did not fall vacant till June, temporary appointments in that department were made for the year 1912-13. Samuel Peter Orth and William Jett Lauck were appointed acting professors, the one for the first term and the other for the second. Both gentlemen have had professorial experience and opportunities for investigation, while in different ways both have also been brought into contact with public affairs.

A Goldwin Smith lectureship to be filled by the annual appointment of a nonresident scholar having been established, Professor Albert Frederick Pollard, of the University of London, the distinguished English historian, was appointed the first incumbent. It is expected that the subject of his course of lectures, which will be given in the spring of 1913, will be "The Place of Parliamentary Institutions in the Development of Civilization". In the present stage of political development in the United States it is difficult to think of a more important or timely theme. And the University is to be congratulated on having it treated by so eminent an authority.

As first incumbent of the lectureship for the promotion of German Culture, which has been endowed from the generous gift of Mr. Jacob H. Schiff, the University is fortunate in securing Professor Erich Marcks of Hamburg, the biographer of Emperor William I. and of Bismarck, and one of the most brilliant writers among modern historians. His lectures on "The Origin and Growth of the German Empire", with comparative observations upon the formation of the American Union, will survey the entire development of German national unity in the nineteenth century.

The following sabbatic leaves of absence have been granted: Assistant Professor Guerlac for the year 1912-13; Professor Snyder and Assistant Professors Whipple and Phelps for the first term, and Professors Strunk, Faust, Church, and McMahon for the second term. Provision has been made for carrying on the work of these professors during their absence.

The following table gives the number of members of the instructing staff in the entire University at Ithaca during the year 1911-12. The number of teachers in each college is also given, and where a teacher is in more than one faculty he has been counted in the college in which most of his work is done.

| | Physical Education | Arts and Sciences | Law | Medicine 1st Year | Architecture | Civil Engineering* | Mechanical Engineering* | Veterinary Medicine | Agriculture* | Total |
|-------------------------|-----------------------|----------------------|-----|----------------------|--------------|-----------------------|----------------------------|------------------------|--------------|-------|
| Emeritus Professors | — | 7 | — | 1 | 1 | — | — | 1 | 1 | 11 |
| Professors | 2 | 49 | 5 | 3 | 3 | 5 | 10 | 5 | 27 | 109 |
| Assistant Professors | — | 26 | 2 | 2 | 4 | 13 | 10 | 2 | 19 | 78 |
| Lecturers | — | 2 | — | — | — | — | — | — | 3 | 5 |
| Instructors | 2 | 63 | — | 3 | 5 | 15 | 49 | 7 | 27 | 171 |
| Assistants, etc | 19 | 72 | — | 5 | — | — | 12 | 6 | 66 | 180 |
| | 23 | 219 | 7 | 14 | 13 | 33 | 81 | 21 | 143 | 554 |

*Work of the first two years mainly in Arts and Sciences.

In the Medical College in New York City the number of members of the instructing staff during the year was as follows:

| | |
|--------------------------------|-----|
| Emeritus Professors | 3 |
| Professors | 14 |
| Clinical Professors | 19 |
| Assistant Professors | 11 |
| Lecturers | 2 |
| Instructors | 68 |
| Assistants | 25 |
| | 142 |

The Faculty sent greetings to sister institutions which were commemorating their foundation, and was represented by delegates as follows: to the University of Greece at Athens, Professor Burr; to the University of Michigan, Professor Jenks; and to the Royal Society in London, Professor Comstock.

FACULTY PARTICIPATION IN UNIVERSITY GOVERNMENT

This subject has been discussed in earlier numbers of these Reports and at considerable length in the Report for 1909-10. The present government of American universities and colleges is altogether anomalous. The president and trustees hold the reins of power and exercise supreme control while the professors are legally in the position of employees of the corporation. In the best institutions, however, it should be explicitly recognized that the status of the professors is in practice a good deal better than could be claimed as a matter of mere legal right. In the first place, the professors hold office for life or during good behavior or till the arrival of the age for superannuation with a reasonable pension. And in the second place,

in the best American universities all educational matters have been either formally or by tacit consent delegated by the trustees to the faculties for authorization and final disposition. The place of the faculty as the sole educational authority of the university may be considered established, even though in some reputable universities the board of trustees reserves the right of veto or revision. Certainly in Cornell University the supremacy of the Faculty in all educational matters has been maintained for a score of years, and professorial tenure of office is permanent and secure. Furthermore, the right to absolute freedom of thought and speech for all members of the Faculty has been vigorously asserted and constantly enjoyed.

It should, therefore, at the outset be candidly acknowledged that a professor who enjoys a life-tenure of office, who is absolutely free to think and speak and write what he believes to be the truth, and who is a member of a body which controls the educational administration of the university, is already in possession and enjoyment of the highest, best, and most vital things which inhere in his calling and function. Yet while all this is true the professor may be dissatisfied with the other conditions under which he is compelled to do his work. And this is undoubtedly the case in America.

Compare the American professor with the scholars and scientists of Oxford and Cambridge. They are their own boards of trustees. The legal corporation of an Oxford or Cambridge college is composed of the head (president, master, or whatever other name may be given to him) and the Fellows, who are the teachers of the institution; and this body fills all vacancies by co-optation. Again in the two universities with which these self-governing colleges are connected there is a similar exercise of authority by the professors, and if it is not so complete that is only because it is shared by the nonresident Masters of Arts.

Look again at a German university. The state furnishes the funds for its maintenance and development, but, subject to the very light touch of a minister of education, the government of the university is in the hands of the faculty.

What the American professor wants is the same status, the same authority, the same participation in the government of his university as his colleague in England, in Germany, and in other European countries already enjoys. He chafes at being under a board of trustees which in his most critical moods he feels to be alien to the Republic of Science and Letters. Even in his kindest moods he can-

not think that board representative of the university. For the university is an intellectual organization, composed essentially of devotees of knowledge—some investigating, some communicating, some acquiring — but all dedicated to the intellectual life. To this essential fact the American professor wants the government of his university to conform. And he criticises presidents and boards of trustees because under the existing plan of government they obstruct the realization of this ideal — nay, worse, actually set up and maintain an alien ideal, the ideal of a business corporation engaging professors as employees and controlling them by means of authority which is exercised either directly by “busybody trustees” or indirectly through delegation or usurpation by a “presidential boss”.

What is needed in American universities today is a new application of the principle of representative government. The faculty is essentially the university; yet in the governing boards of American universities the faculty is without representation. The only ultimately satisfactory solution of the problem of the government of American universities is the concession to the professoriate of representation in the board of trustees or regents and these representatives of the intellectual which is the real life of the university, must not be mere ornamental figures; they should be granted an active share in the routine administration of the institution.

How could such a reform be carried out in Cornell University?

The Board of Trustees of Cornell University is a genuinely representative body. That is, it represents everybody but the Faculty. The State of New York is represented by the Governor and other *ex-officio* trustees and also (since the recent amendment of the charter) by trustees appointed by the Governor with the advice and consent of the Senate. The alumni are represented by trustees whom they themselves elect, and in June last a woman was, happily, once more elected as one of the alumni trustees. And, apart from alumni and State, the general public is represented by the trustees—half of the entire body if the *ex-officio* trustees be not counted — whom the Board itself elects presumably from citizens who are especially concerned for the promotion of higher education or who are particularly interested in Cornell University. The trustees thus elected by co-optation number three annually; and it is the custom to re-elect these trustees when their term expires.

Now in case of the death or resignation of one of these co-optatively elected trustees, the Board might, without any change in the

charter, ask the professoriate to select a candidate for the vacant position and then formally elect the candidate thus recommended. This process might be repeated till the professors had designated one-third of the trustees now elected by the Board, and thereafter professorial representation might remain in that ratio.

For the purpose of such representation it would probably be wise and expedient to divide the professorial electorate into groups each of which should elect one trustee. Only full professors would have the suffrage as only full professors hold permanent appointments. The full professors in the Graduate School might constitute one electoral group, to fill (say) the first trusteeship assigned to the professoriate. The second electoral group might be composed of the full professors of Arts and of Law, and the third of the full professors of Science and of Medicine (in Ithaca). The full professors in the two Engineering Colleges and in Architecture would naturally form a fourth electoral group, and those in the two State colleges — Agriculture and Veterinary Medicine — a fifth. The Medical College in New York City would furnish the sixth electoral group, but the number of professors entitled to vote should perhaps be limited to those who give their entire time to the work of the institution or those who are heads of the more important departments.

This plan would give the professors a share in the government of the University through the voice and vote of their own elected representatives, who (unless an unalterable State law forbids) should preferably be members of the Faculty. But this injection of professorial trustees into the Board would be a somewhat slow process, if, as is here recommended, it took effect only when vacancies occurred by death or resignation in trusteeships now filled by co-optation of the Board. There is, however, another measure of relief which could and should be forthwith adopted, and which should continue in operation whether the privilege of representation in the Board of Trustees be conceded or denied to the professoriate.

While the Faculties of the University control educational affairs they have, under the statutes, nothing to do with the appointment of teachers, the appropriation of funds, or other business vitally connected with the life and work of the institution or the standing and efficiency of the several departments. Here, again, it is true that practice is more considerate than theory or ordinance. For in case of appointments the President makes no nominations to the Board without previous conference and practical agreement with the profes-

sors in the department or allied departments concerned. The time, however, has now arrived to codify this practice and establish it as a matter of professorial right. And at the same time the right of the professors to share in other ways in the government and administration of the faculties or colleges to which they belong, and so far as practicable of the entire University itself, needs to be specifically recognized and formally confirmed.

Towards this goal the University has been gradually tending for some years past. There may not have been a distinct consciousness of it in the general mind of the academic community, but there has been a vague yearning against a background of dissatisfaction and a foreground of hope. The situation will be brought to the consciousness of itself and crystalized in and through the idea and programme of professorial participation in the management and control of the University.

The plan to be proposed has the fundamental merit of every salutary reform: it is the modification and extension of an idea and organization already in successful operation. Professors sit, deliberate, and vote with trustees in the administrative boards and councils (as they are called) which manage the affairs of the University Library and of the Medical College in New York. The professors are elected by their colleagues for a term of two or three years, and the trustees are similarly chosen by the Board of Trustees. Under the statute creating these councils they are merely advisory bodies whose resolutions come as recommendations to the Board of Trustees or to the Executive Committee, but in practice these recommendations of the men selected by the Board and by the Faculty to keep in intimate touch with the affairs of those great departments of the University and to dispose of them in the combined light of business and educational experience, are regarded by the Board as expressions of the highest wisdom available under the circumstances and are regularly approved or, if not approved at once, merely referred back in special cases for further consideration in view of some new contingency or some unforeseen bearing upon the general policy of the University.

The Council of the Medical College in New York City consists of the President of the University, who is *ex-officio* chairman, three trustees elected by the Board for a term of three years, and the Dean of the Medical Faculty and two professors elected by that Faculty, for a term of two years.

The President recommends that a council of substantially this type be as soon as possible established for every college in Cornell University (except the State Colleges for which councils composed exclusively of trustees have already been organized). Whether the professorial members of the council outnumber, or are outnumbered by, the trustee members is not a matter of any consequence if only it be understood that this is a scheme devolving genuine responsibility upon the professors for the administration and government of their collegiate unit of the University. If these councils are in practice to be as independent of the Executive Committee, and even of the full Board, as the Medical College Council in New York City, it will probably be found necessary to allocate annually fixed portions of the income of the University to the different Colleges. And with the existing distribution of funds as basis this assignment should not be an impossible task.

This is a plan of partnership between trustees and professors for the government and administration of the University. It is not the German system, which has no board of trustees, nor the English system, in which the professors are the corporation, but it is a modification of the American system in which the trustees voluntarily invest the professors with a share of their own powers and functions (devolving on them corresponding responsibilities), and guarantee them the maximum of authority, independence, and institutional control which seems compatible with the American idea of university organization and government.

To these councils would be assigned the duty of dealing with all business of every kind affecting the several colleges. Whatever business now comes before the Executive Committee or the Board of Trustees affecting Sibley College or the College of Arts and Sciences or any other college of the University would be taken up by the appropriate council and settled in the form of resolutions which would be sent to the Trustees for final approval and ratification. In time the councils would undoubtedly be empowered by the Board of Trustees to dispose definitely of routine business and minor affairs reporting only their action to the Trustees. But at the outset it seems wise to follow in this respect the example already established by the Council of the Medical College.

There are, however, two deviations which should be made from that model, if it is to be used in Ithaca, and which indeed experience shows may in time be advantageously adopted in New York. In the

first place not only should the term of office of professorial members of the council be limited, but professors should be ineligible for more than one re-election. The object of this restriction is to keep the faculty in general in close touch with the council. And, in the second place, the President should be required (as he is not in the case of the Medical College Council) to submit all nominations for appointments to the council in order that they may be voted on and the record of the vote sent to the Board of Trustees. For the reform here discussed involves the surrender of power not only by the Trustees but also by the President, the supreme object being to secure (by means of the representative system applied to faculties) effective professorial participation in the administration and government of the University.

The President recommends that the foregoing scheme for taking the professoriate into partnership with the Trustees in the government and administration of the University by means of college councils composed of representatives of both be adopted by the Board of Trustees at the earliest practicable date. Some features of the scheme may need modification, but it will be easy to determine what changes are advisable after trustees and professors have got together in councils for the transaction of the business of the different collegiate units of the University.

A further step in the same direction should also be taken at the present time. Under the existing statutes the Deans of the Faculties of Arts and Sciences and of the Graduate School are appointed by the Board of Trustees on the nomination of the President. The Faculty has indeed some voice in the matter, for it votes on the nomination of the President and sends the record of its vote to the Board of Trustees. But the time has arrived when the right of the Faculty to select its own chief officer should be recognized and confirmed. The President recommends that the statute be amended so as to invest the Faculty with exclusive power in this regard. The Faculty would of course report its action to the Trustees.

STUDENTS

The number of students who received instruction in the University in the year 1911-12 was 5,838, an increase of 214 over the total enrollment of 1910-11.

The records of Cornell University always carefully distinguish between students in the regular courses leading to degrees and

attendants in the Summer Session and the Summer and Winter Schools of Agriculture, who enter without examination. Excluding these groups the number of regularly matriculated students for the year 1911-12 was 4,596. The following table shows the enrollment of students since 1907-08, the first column of figures including the Summer Session and the Summer and Winter Schools in Agriculture, the second excluding them.

| Year | Total Number of Students | Total Number of Regularly Matriculated Students |
|-------------------|-----------------------------|---|
| 1907-08 | 4465 | 3734 |
| 1908-09 | 4859 | 3985 |
| 1909-10 | 5194 | 4227 |
| 1910-11 | 5624 | 4412 |
| 1911-12 | 5838 | 4596 |

These regularly enrolled students, 4,596 in number, were distributed among the several courses of instruction as indicated in the following table, which for purposes of comparison covers five years:

| Year | Graduate School | Arts and Sciences | Law | Medicine | Veterinary Medicine | Agriculture | Architecture | Civil Engineering | Mechanical and Electrical Engineering | Total Exc. Duplicates |
|---------|--------------------|----------------------|-----|----------|------------------------|-------------|--------------|----------------------|--|--------------------------|
| 1907-08 | 249 | 820 | 206 | 320 | 82 | 348 | 100 | 511 | 1127 | 3734 |
| 1908-09 | 310 | 902 | 225 | 221 | 94 | 415 | 133 | 569 | 1162 | 3985 |
| 1909-10 | 309 | 970 | 264 | 201 | 100 | 539 | 140 | 559 | 1186 | 4227 |
| 1910-11 | 372 | 1017 | 279 | 171 | 105 | 761 | 133 | 558 | 1073 | 4412 |
| 1911-12 | 359 | 1031 | 328 | 109 | 105 | 967 | 138 | 539 | 1020 | 4596 |

Of these 4,596 regularly enrolled students, 4,149 were men and 447 women. Of the women students, 121 were registered in the College of Agriculture and 244 in the College of Arts and Sciences while 59 were registered in the Graduate School.

The number of degrees conferred in 1912 was 918. As indicating the expansion of the University, it may be mentioned that this number of persons in the graduating classes of 1912 exceeds the total enrollment of students twenty-five years ago and is between double and treble the total enrollment thirty years ago (the number of students in the University in 1881-82 being 384).

For the physical, economic, and social welfare of this large body of students the question of residential halls and refectories is of supreme importance. The Trustees have given careful consideration to the subject during the year through the agency of a special commit-

tee of which Mr. George C. Boldt of New York is chairman. This committee has engaged architects to prepare plans and make studies both with reference to a complete system of halls and refectories and also a limited group with which it is hoped a beginning might be made. There is nothing more urgently needed at Cornell University, nothing that can be commended to benefactors with more entire confidence in its utility and timeliness as well as its helpfulness both to students and to the University.

Fifteen years ago the President made an investigation into the cost of board and lodgings at Cornell and published the result in his Annual Report. This year he asked Professor Willcox, who has a national reputation as a statistician, to undertake a similar inquiry. Professor Willcox's report is so instructive that it has been deemed desirable to publish it herewith (Appendix XVII). It will be seen that the average room rent now paid by the young men in Cornell University is \$2.82 a week for each man in 1911-12 as against \$2.07 in 1896-97, an increase of \$0.75, or 36 per cent. It will also be seen that these young men paid on an average \$4.53 a week for board in 1911-12 as against \$3.46 in 1896-97, an increase of \$1.07, or 31 per cent. From a combination of these results it appears that the average man student paid for room and board \$5.53 in 1896-97 and \$7.35 in 1911-12, an increase of \$1.82, or 33 per cent. The changes in the several classes of prices both for room rent and board are disclosed by the following table, which gives typical figures and the percentage of students paying those prices in 1896 and 1912 respectively:

| Weekly Rate | ROOM RENT | | Change in 16 Years Increase Decrease | |
|----------------------------|-----------|------|--|------|
| | 1896 | 1912 | | |
| Less than \$1.50 | 41.6 | 12.7 | | 28.9 |
| \$1.51—\$2.50 | 34.9 | 37.4 | 2.5 | |
| \$2.51+ | 23.5 | 49.9 | 26.4 | |
| | 100 | 100 | | |
| | | | | |
| | BOARD | | Change in 16 Years Increase Decrease | |
| | 1896 | 1912 | | |
| Less than \$3.00 | 50.7 | 3.9 | | 46.8 |
| \$3.01—\$4.00 | 36.5 | 36.3 | | 0.2 |
| 4.01+ | 12.8 | 59.8 | 47.0 | |
| | 100 | 100 | | |

GRADUATE SCHOOL

From the annual record in *Science* (August 2, 1912) on the doctorates conferred by American universities it appears that three-

fifths of them are granted by Chicago, Columbia, Cornell, Harvard, Johns Hopkins, Pennsylvania, and Yale. The two former have a large number of candidates from the ranks of the teachers in the local city schools. Concerning the doctorates conferred by the other universities mentioned, the article states that "Yale and the Johns Hopkins remain about stationary in the number of degrees they confer, while Cornell, Pennsylvania, and Harvard have increased their numbers and in this order". The number of Doctor's degrees conferred by Cornell in 1912 was 36 (three of them being conferred in February), which is the largest number in the history of the University. Of doctorates conferred in the sciences it is stated in the foregoing article that Cornell granted 28, Harvard 15, Johns Hopkins 23, Pennsylvania 9, and Yale 21.

Taking account not only of doctorates but of all advanced degrees, there was a considerable increase in the number conferred in 1912 over that in 1911, the figures being 92 and 66 respectively.

The total enrollment in the Graduate School showed a satisfactory advance: 383 in 1911-12 and 372 in 1910-11 (24 persons in the Summer Session being included in the first total and 16 in the second). The wide range of the constituency of the Graduate School is indicated by the fact that these 383 persons presented diplomas of graduation from 118 different colleges and universities. The number of graduate students who are not candidates for advanced degrees, which has grown steadily in the last three years, in 1911-12 was 46. Many graduate students before entering the Graduate School have had considerable experience either in teaching or in professional work. Dean Merritt finds a curious difference in this respect between Cornell graduates and others. "Only 12 per cent of the Cornell graduates now in the Graduate School have had professional or teaching experience before returning for graduate study, while 55 per cent of the graduate students from other colleges have had some experience". An inquiry into the causes of this difference would be an interesting and probably instructive investigation.

The problems of the Graduate School with special reference to its primary function of research were discussed so fully in the Report for 1909-10 that it is unnecessary to dwell upon the subject here and now. But that discussion is commended to all who have at heart the most important and vital factor in American civilization.

COLLEGE OF ARTS AND SCIENCES

The larger part of the Goldwin Smith Fund was received during the year from the executors. It was dedicated by the Trustees, as prescribed in the illustrious benefactor's last will and testament, to the promotion of liberal studies, most of it being used for the improvement of professorial salaries in the departments of Liberal Arts—languages, literature, philosophy, history and political science—and the greater part of the remainder for special objects recommended to the Trustees by a committee of the Arts Faculty. All divisions of the University will profit directly as well as indirectly by this disposition of the Goldwin Smith bequest, for nearly one third of the teaching in the subjects mentioned is of students in the professional and technical courses.

In the College of Arts and Sciences the different subjects make different appeals to the students who are free to elect them. Dean Hull finds that of juniors and seniors who are candidates for the degree of Bachelor of Arts about one fourth select their major subject in science and three fourths select it in the humanities. And "within the humanities, philosophy shows little variation and English little more, but history and political science have gained notably at the expense of the languages, both ancient and modern".

While the ancient classics continue to hold a following "fit though few", the liberal culture of the generality of American undergraduates is mediated by the new humanities, in which, in spite of the popularity of the modern languages and literatures and especially English, an increasingly prominent place is occupied by history, economics, and the social and political sciences. These subjects are taken not only by Arts students but by students in Engineering, Agriculture, and other technical and professional courses. It follows that in the administration of the University it is important to keep these departments efficient. In pursuance of this policy the Trustees, by means of the Goldwin Smith funds, established two additional professorships during the year, one in English History and the other in Political Science. These were designated the Goldwin Smith Professorships, as were also the existing professorships in Latin, English Literature, and American History.

The underclassmen in the College of Arts and Sciences are hereafter to have the benefit of advisers, some seventy members of the Faculty having already been selected for the purpose. As the number

of students to be assigned to each professor or instructor will in no case exceed ten, it is believed that personal relations of a thoroughly helpful character will be established between students and teachers in a great many cases. The success of the experiment will depend largely upon the interest and efforts of the professors and instructors, but to some extent also upon the personality of each individual concerned, whether teacher or student.

The College of Arts and Sciences, numbering 1,031 undergraduates, is now the largest college in Cornell University. It is, however, a somewhat anomalous entity, its life and work being (in the expressive phrase of Bishop Berkeley) "embrangled" with the entire University. The *Arts* division of the College gives nearly one third of its teaching to students outside the Arts course, and the *Science* division is overwhelmingly pre-empted by students in engineering, agricultural, and other technical courses, while in Chemistry (which is a department of Arts and Sciences) there is a special four-year course with a separate degree—a differentiation which the staff and the equipment might equally warrant in Physics. The College of Arts and Sciences actually gives more instruction to students in professional and technical courses than it does to students who are enrolled in Arts and Sciences (30,812 student hours in the one case as against 28,438 in the other). It would be very misleading, therefore, in any consideration of this matter to treat the College of Arts and Sciences as an entity corresponding to "the College" at Harvard or the Academic Department at Yale. The approximation would be closer if the *Science* division of the College of Arts and Sciences at Cornell were set off in an organization by itself, leaving the Arts departments housed in Goldwin Smith Hall to represent the old-fashioned Arts College.

The appointment of Professor Johnson and Professor Lunt has already been mentioned. The Faculty of the College has been further strengthened by the happy return of Professor Titchener to his undergraduate work in psychology, of which at his own request he was relieved in 1910 in order that he might devote himself to research and the teaching of graduate students alone.

COLLEGE OF LAW

In spite of the new requirement of at least one year of college study for admission, the attendance of law students was larger than ever before. There are, however, causes in operation which are liable to

check further growth. Outside the State of New York—and over one third (117) of the regular law students are from other states—there is a growing tendency for students to take their law studies in the State of their domicile. On the other hand, in the State of New York there is a deepening impression that the Bar is already overcrowded and, in the second place, in the recent revision of the rules for admission to the Bar of the State of New York, the term of professional study was extended one year. It is not likely therefore that the next five years will witness such an increase in the enrollment as the last five years, when the total registration rose from 206 in 1907-8 to 331 in 1911-12.

Professor Finch's work in property was carried by Mr. George G. Bogert and he performed that difficult task, says the Dean, "with a high degree of success". After the death of Professor Finch, Mr. Bogert was asked to give the courses for the year 1912-13 also. The vacancy in the office of librarian caused by the death of Mr. Fraser was filled by the appointment of Mr. Edward Ecker Willever whose first year of service at Cornell has been entirely satisfactory.

The memory of Mr. Fraser has been perpetuated in a very beautiful manner. Mr. William Metcalf, jr., himself a graduate in law, has founded two Fraser Scholarships to be awarded annually to seniors in the course in law on the basis of scholarship and manhood. Of Mr. Metcalf's substantial gift and still more of the fine spirit of unselfishness and generous recognition of others by which it was inspired, both the admirers of Mr. Fraser and the friends of the University have the most genuine appreciation.

TECHNICAL DEPARTMENTS

There has been a general falling off in attendance in technical schools all over the country. At the same time at Cornell the requirements for entrance and graduation, especially in Sibley College, have been enforced with extraordinary strictness. Meanwhile the increasing number of institutions undertaking technical work and the free tuition offered by the state universities have been creating a competition, the effects of which even Cornell University could not be expected permanently to escape. It is not surprising, therefore, that the combined enrollment in the College of Civil Engineering and in Sibley College was not much larger in 1911-12 than it was in 1906-7. The enrollment in Architecture also has shown little variation since 1908.

If in the United States, agricultural education is now having the "boom" which engineering education enjoyed in the last quarter of the nineteenth century and the first few years of the twentieth, it is not to be supposed that engineering education will not hold and even enlarge the place it has gained in the universities. It is true indeed that the demand for engineers of the highest grade is limited. But the fundamental principles on which the training of engineers is based, constitute an admirable curriculum for the education of young men who are to take any of those forms of business which are connected with manufacturing and transportation and construction. And increasing numbers of young Americans seek to prepare themselves by education for such business careers. The great majority of the graduates of Sibley College belong to this class. And as new subjects develop it will be necessary for young men to come to technical institutions to master the principles on which their successful application depends. When the United States Commissioner of Corporations reports that it is possible to develop 30,000,000 horsepower from the water supply in this country; when engineers estimate that the concrete used in the construction of the Panama Canal would suffice to put a girdle round the globe eighteen feet in width and six inches thick, one can readily understand that there should be a large demand for courses in hydraulics and in concrete construction. Technical departments, which have now become an integral part of American universities, will in the future continue to have the same normal development as the older humanistic and scientific departments—only, in all probability a development considerably more extensive and somewhat more rapid.

At Cornell the large enrollment of students in the technical courses has created an intolerable congestion, which has overspread all the buildings devoted to technical education from basement to attic. In one department relief was afforded during the past year by the generous gift of Mrs. Florence Osgood Rand Lang of Montclair, New Jersey, in memory of her father, her uncle, and her brother, Jasper Raymond Rand, Addison Crittenden Rand, and Jasper Raymond Rand, jr., the latter a member of the class of 1897 of Sibley College. Mrs. Lang's memorial consisted of a building which is of concrete, brick and steel construction, is three stories high, 170 feet long and 50 feet wide, with a wing 40 feet long and 35 feet wide. The Rand Hall, which was opened May 23rd, by informal exercises in which Mrs. Lang herself happily participated, provided the Department of

Machine Construction, and especially the Machine Shop, with a local habitation which in the words of Professor Kimball, "has no equal in the country".

The next immediate need of Sibley College is for a new Mechanical Laboratory Building, and almost equally urgent is a new Electrical Laboratory Building.

In the College of Civil Engineering plans for the enlargement of Lincoln Hall have been completed and only money is needed to carry them out: they offer an economical method of gaining relief from overcrowded classrooms and drafting rooms. Following upon this enlargement of Lincoln Hall should come a new Hydraulic Laboratory and a new Materials Testing Laboratory, for both of which appeal must also be made to the generous friends of technical education.

Rich Americans in surprising numbers, are nowadays providing themselves with beautiful homes. It is greatly to be desired that some of them should use a portion of their wealth to foster the noble art of architecture. It would be difficult to find an institution in which with a given amount of money so much could be done for architectural education as at Cornell. The College of Architecture, like the Colleges of Engineering, needs more room for its work; and it also needs endowments to provide one or two attractive professorships in which well-trained specialists could, with freedom to engage in a limited amount of practice, be held permanently as teachers in the College.

Director Smith was the victim of a serious accident near the beginning of the year. By temporary withdrawal from work he has made reasonable progress towards recovery, the completion of which it is universally hoped will not be long delayed. His work in Sibley College was carried by his colleagues, Professor Kimball serving, by official appointment, as Acting Director during the second term.

STATE COLLEGE OF AGRICULTURE

For the College of Agriculture the standing committee of Trustees on State Colleges was reorganized and designated the Agricultural College Council. Little change was made in the personnel of the body, but its powers were increased and its recommendations are to be made to the full Board of Trustees instead of to the Executive Committee as formerly. Besides the President of the University, the Council is composed of the following members: the five trustees appointed by the Governor, the trustee elected by the State Grange,

the State Commissioner of Agriculture, the President of the State Agricultural Society, and two trustees to be selected by the Board of Trustees, one of whom shall be one of the trustees elected by the alumni. The Director of the College of Agriculture and the Treasurer of the University, while not members of the Council, are expected to be present and take part in its deliberations.

In the Faculty the following promotions were made of assistant professors to full professorships: W. A. Riley and G. W. Herrick in Entomology, J. A. Bizzell in Soil Technology, H. E. Ross in Dairy Industry, and H. W. Riley in Farm Mechanics. And H. C. Troy, who for a number of years has been doing work in chemistry for the State Department of Agriculture in the College of Agriculture, was appointed Professor of Dairy Industry.

The year has been one of continued enlargement and growth. So far as attendance is concerned this is likely to continue; first, because of the wide and growing interest in agriculture; secondly, because the course offered in the College is not a narrow technical or professional course, but a course aiming at liberal culture by means of humanistic studies and at scientific education by means of physics, chemistry, biology, and other subjects relating to country life; and, thirdly, because students entering this College receive free tuition. It is only a question of a year or two when the College of Agriculture will be the largest College in Cornell University.

The three activities of the College are teaching, research, and extension work among the people of the State. It is easy for an agricultural college to do extension work of some kind; it is difficult, however, to organize that work wisely so that it will effectively aid the farmers without wasting public moneys. The first desideratum is undoubtedly a separate staff devoted to this activity. And even with a separate staff the organization of the extension department remains a complex and difficult problem. In Director Bailey's report will be found an outline of the ideas and methods which he considers fundamental.

The research work in the College of Agriculture is carried on by means of the Federal appropriations made to Cornell University for the Federal Experiment Station. So far the work has been organized and prosecuted in three fields, namely: soils, plant breeding, and economic entomology. Of course, the professors who give instruction in the College are encouraged also to engage in research, but naturally their time is very largely engrossed by their duties as teachers. And

hitherto the extension work has also made very heavy demands upon them.

The greatest difficulty for every agricultural college in the country is the maintenance of a high standard of instruction for its undergraduate students. The people quickly see the practical value of extension work and are ready to vote appropriations for its support. The Federal Experiment Station funds make it possible for a few men to devote their whole time and energy to scientific investigation. But the variety and multiplicity of calls made upon the teaching staff in any college of agriculture in the United States make it unusually difficult for the professors to carry out their educational ideals. The relief which the organization of a separate staff of extension workers will bring to the members of the teaching Faculty of the State College of Agriculture at Cornell University will be gratefully welcomed by them all.

On the recommendation of the Faculty of the College of Agriculture, the degree was changed from Bachelor of Science in Agriculture to Bachelor of Science. "The primary aim of the College", says the Director, "is not to make farmers, but to educate by means of agricultural and country-life subjects". This educational programme is better expressed, it is thought, by the degree of Bachelor of Science than Bachelor of Science in Agriculture.

The Director's report, which is longer and more comprehensive than usual, contains a detailed account of the publications of the College of Agriculture, of its various conferences and organizations, and also of its material equipment and facilities with special reference to farms, live stock, and poultry flocks, as well its dairy supplies and operations. For details on all these subjects reference must be made to that report (Appendix VIII). Here it is enough to observe that it exhibits in a very impressive way the multiplicity of activities centering in a modern College of Agriculture and the great complexity and extent of the facilities and instrumentalities which it uses for its work.

It may well be that in the future it will be possible for the College to delegate some of these functions to the agricultural schools and agricultural departments of high schools which have already been established and which in greatly increasing numbers are certain to be established in the future. At present such delegation is not practicable, and in the meantime as in the future the State College of Agriculture at Cornell University is destined to be and to remain the cerebral

centre—the animating, guiding, and directing power—of agricultural instruction for the students and people of the State of New York. The voters and legislators of the State, therefore, act wisely in providing liberally for the work and needs of the College. This they themselves recognize. And during the year appropriations were made, apart from the regular appropriation for maintenance, which was increased from \$225,000 to \$265,000, as follows: equipping Home Economics Building, \$30,000; equipping Poultry Building, \$15,000; additions, repairs, and betterments, \$10,000; roads, walks, sewers, etc., \$10,000; Summer School for teachers, \$4,000; instruction in physics, chemistry, etc., to increased number of students in the College of Agriculture, \$20,000; extension work on farms and with farmers, \$50,000; investigating diseases of gladioli and other bulbous plants, \$2,000; for completing the Home Economics, Poultry Husbandry, and Auditorium buildings, \$182,000; and \$200,000 towards the construction of buildings, contracts for the erection of which were authorized as follows: headquarters building for animal husbandry, \$91,000; stock judging pavilion, \$38,000; extending Agronomy Building, \$100,000; forestry section of plant industry building, \$100,000.

The strength of any and every college lies in its faculty. But in a new, organizing, and rapidly growing College of Agriculture the position of Director is one of greater importance than the same office in any other college. Director Bailey has been extraordinarily effective and successful as head of the New York State College of Agriculture at Cornell University. And to the friends of the College throughout the State as well as to the entire University it was a source of the greatest gratification that he withdrew his resignation and remained as Director of the College.

STATE VETERINARY COLLEGE

The Faculty of the College of Veterinary Medicine rejoice in its marked expansion and steady improvement. This is, of course, the work of the members of the Faculty themselves. But they will be the first to recognize the leadership of Director Moore, who has already proved himself as efficient and successful in administration as he was known to be distinguished in teaching and in scientific research.

The material establishment of the College continues to undergo extension. The north wing was completed last year and the new clinical buildings to the east, for which the State has made appropriations to the amount of \$140,000, are now in course of construction.

There is immediate need of only one other building, namely, the addition of a south wing, for which provision was made in the original plan, and which could be constructed at a cost of not more than \$65,000 or \$75,000.

Buildings, however, important as they are, merely afford space for men to work in. It is the teachers who make the college. And the special satisfaction which the Director reports in connection with last year's history of the College is due to the fact that experienced instructors have not been lost to the Faculty. This is a danger to which the University is exposed in all its Colleges and it can be met only by making Cornell professorships as attractive both in financial and other ways as professorships in the best sister institutions. No appropriations which the State can make for its Veterinary College are of such vital importance as the appropriations it makes for the salaries of the members of the Faculty. It is the opinion of the Director, in which the President fully concurs, that these salaries are too low and must be raised at least to the level of salaries in the other colleges of the University if the institution is to retain the men who have given it its educational and scientific preeminence.

In order that the best methods of teaching may be used in the College, Doctor Hopkins spent the spring and summer of 1911 in Europe studying anatomy in the veterinary colleges there and Doctor Udall spent last summer in the veterinary colleges of Europe in studying the best methods of teaching veterinary medicine. The emphasis which the Director and Faculty constantly lay on good teaching and high educational standards is a distinguishing feature of the Veterinary College among similar institutions in the country.

Nor has the work of investigation been neglected. Doctor Fish has continued his inquiries on the nutrition of "bob veal" and Doctor Williams is extending his investigations into the subject of sterility and abortion in cattle while the Department of Anatomy is pushing existing investigations into the field of animal neurology and the Department of Pathology continues its investigations on the elimination of tubercle bacteria from infected cattle, the bacterium of abortion, and the infectious diseases of poultry.

As the College of Veterinary Medicine is a professional college, training men for a definite profession, the amount of extension work open to it on behalf of the general public has well defined limits. In this line, however, the College has pursued certain definite activities. As in past years it has done diagnosis work and furnished preparations

of tuberculin, mallein, anthrox, vaccine, and anti-hog cholera serum both for veterinarians and for the State Department of Agriculture. It has also answered letters of inquiry relative to animal diseases made in the exhibit at the State Fair and provided lectures at certain meetings for live stock owners. And it has conducted the fourth annual Conference for Veterinarians at the College, at which were present fully 15 per cent of the legalized veterinary practitioners of the State. The laboratories and libraries are thrown open to the visiting veterinarians and the members of the Faculty address them on new developments in veterinary medicine, thus bringing them into touch with the progress of their profession.

There has been differentiated out of the standing committee of the Board of Trustees on State Colleges, a Veterinary College Committee consisting of the President and Treasurer of the University, the Director of the College, the five State Trustees, the President of the State Agricultural Society, the State Commissioner of Agriculture, and the State Grange Trustee. This Committee is an advisory body, though it has somewhat larger powers than the committee which it replaces; but at the request of the Director of the College it presents its reports and recommendations, not only to the full Board, but also to the Executive Committee for action thereon.

MEDICAL COLLEGE

From the Education Department of the State of New York there was received in June a copy of the report of inspection of the Cornell University Medical College in New York City which had been made to the Department by the Secretary of the State Board of Medical Examiners. Referring for further details regarding the work of the year to the comprehensive report of Dean Polk (Appendix V) the President devotes the space he has hitherto used for comments on the larger problems of the Medical College to quotation from the above mentioned official report. "I am confident", says the New York State Commissioner of Education, "that the report will give you satisfaction, as it certainly does this Department". There is space here only for the concluding paragraphs, which are as follows:

The Cornell University Medical School is in almost every particular an ideal institution and the time spent within its walls both at Ithaca and New York in an inspection of its equipment and facilities was a task of delight. When it is considered that the philanthropy of a single individual is largely responsible for the establishment and for the maintenance of this excellent school of medical teaching, there

can be naught but thoughts of praise for one who has builded so well. Those who are familiar with the economic conditions of nations, long ago concluded that the most virile people, mentally and physically, is entitled to and will earn supremacy in the affairs of the world. Such being the case, we have here an instance of philanthropy expressing itself in its most practical form; for to make a nation strong is but to keep it well, and how better can this be done than through the medium of medical schools which are to graduate those who are to be entrusted with the health and with the happiness of the public?

Given a superior quality of medical men who are so educated as to be able to combat and to prevent disease and you have a corps of life-savers and nation-builders.

Although the Cornell Medical School was founded for the purpose of educating undergraduates to become proficient as medical practitioners, the research work being carried on in the various branches of this institution, is most magnificent in its proportions and is destined to be a most helpful adjuvant in the search for causes, in the removal of effects, and in the prevention of disease.

The medical equipment available to the authorities of the Cornell Medical School is fully sufficient to thoroughly equip its graduates for their life work. This cannot be gainsaid. However, in view of the splendid array of talent and of paraphernalia which is here combined to teach medicine, the writer cannot help but express the profound hope that some humanitarian will here build for himself fame and thus most splendidly round out this work by supplying the institution with a hospital of its own, adjoining the medical school, so that the Trustees of the one will be the custodians of the other; so that the formulation of the theories of medical teaching can be practically carried out in the wards of a hospital subservient only to the will and to the interests of its conjoint sponsors. Such an addition to its present equipment would make the medical department of Cornell University a model institution and would furnish an example of philanthropy and of patriotism sufficiently exceptional to challenge the admiration of the educational and the intellectual world.

The need of a hospital so strikingly set forth in the foregoing paragraph has been long recognized and deeply felt by the Medical College. Whether the problem be solved by way of hospital ownership or by partnership in hospital control is a matter of indifference to the Medical College. What is needed is the control of the clinical offices in a first-class hospital and funds for clinical instruction and research therein. The recent publication by the Carnegie Foundation of the volume on Medical Instruction in Europe once more demonstrates how indispensable this hospital control is to every first-class medical school.

SUMMER SESSION

In the Summer Session 103 persons were engaged in giving instruction, of whom 80 were members of the regular teaching force of the University and 23 were invited from elsewhere. The number of students enrolled was 1,053, which is a slight increase over the enrollment of 1911. Of these students 599 were men and 454 women. The following table gives some interesting statistics regarding the Summer Session for the last three years:

| | 1910 | 1911 | 1912 |
|---|------|------|------|
| Teaching staff | 99 | 101 | 108 |
| Number of students | 987 | 1029 | 1053 |
| Cornell University students of previous year. | 387 | 404 | 405 |
| Former Cornell students | 130 | 139 | 185 |
| Graduates of Cornell University | 37 | 28 | 34 |
| Graduates of other colleges | 145 | 185 | 172 |
| Non-graduates from other colleges | 136 | 129 | 137 |
| Teachers | 377 | 400 | 437 |
| Holding first degree only | 164 | 190 | 200 |
| Holding second degree | 18 | 23 | 26 |
| New York State | 428 | 424 | 467 |
| Outside New York State | 559 | 605 | 586 |

In addition to the 1,053 students enrolled in the regular Summer Session, 223 were registered in the Summer School in Agriculture. This makes a total, excluding duplicates, of 1,264 persons pursuing study at Cornell University in the summer vacation.

The Observation School was a new feature of the year, about which details will be found in Director Bristol's report (Appendix XIII). The following extract from that report shows in a striking way the service which Cornell University can render especially by means of the Summer Session to teachers in this transitional period when the old traditions of education are being profoundly modified and the new programme has not yet established itself.

A new type of school is coming up in New York State and elsewhere. I do not mean the great trade schools of the cities, but the high school of the smaller town which is taking on vocational and industrial training. This new work takes the form of mechanic arts in towns where manufacturing interests are found and of agriculture in towns where this is the prevailing interest. The old curriculum must be and is being modified. It is of the highest importance that the teachers in the new subjects should be broad-minded men and women, not blind to the stable and continuing merits of the time-honored studies, and it is of equal importance that the teachers in the older subjects, and above all the principals of these schools, should be able to keep a true balance between the old and the new. There are over four hundred high schools in the state of New York in small towns, and I think it is safe to say that the majority of them today are not giving the service they might give, and may reasonably be

asked to give to their communities. It is important that the representatives of the older type of school should welcome these newer developments and try to harmonize both. A stubborn, unreasoning position cannot fail to invite or beget a spirit of hostility which may prove disastrous to the best interests of the school. I am glad to report that the leaders of our industrial education work have kept this attitude firmly. The true development of the schools just referred to has been a steady aim with them. No one could emphasize more strongly the need for solid general training than Professor Kimball and Mr. Dean. The University, and the Summer Session in particular because of the possibilities in it of reaching teachers direct from the field, has a splendid opportunity no less than a bounden duty to exercise its influence for the best solution of this problem in education.

THE LIBRARY

The University Library now contains 409,700 volumes and 62,000 pamphlets. The volumes added during the year numbered 14,491. Of the total accessions to the University Library not quite one third (5,246) volumes were gifts. The most important of these, as well as of the purchases of the year made from the Sage Endowment Fund are recited in the report of the Librarian (Appendix XVIII).

Additional shelf room in the Library Building is imperative in as much as within a year the present available shelf capacity will be exhausted. Mr. Harris urges that steps be taken at once to provide additional shelf room either by the extension of the stack wings or by the conversion of the big Library Lecture Room into a stack room, and the President recommends that the Board of Trustees take action on the subject.

THE INFIRMARY

The Infirmary maintained a high standard of effective service during the year. The reduction of the total number of days' service from 7,676 in 1910-11 to 4,435 in 1911-12 is perhaps due, in part at any rate, to the service of the new medical advisers, Dr. Samuel A. Munford and Dr. Esther E. Parker.

The new addition to the Infirmary is nearing completion and will be ready for the accommodation of students during the year 1912-13.

CORNELLIAN COUNCIL

The Cornellian Council continues to prosper. Mr. Eads Johnson, '99, the secretary, has devoted himself to his difficult work with rare enthusiasm and devotion, and the results he has achieved are important in themselves, and most encouraging for the future.

Hundreds of graduates and former students of the University have contributed to the Alumni Fund—a fact illustrative of the true function of the Council, namely to recall to the University the attention of Cornellians the world over. If, as the President believes, the future of the University depends upon the interest and devotion of her alumni and former students, the Cornellian Council is doing a work of the most vital importance for Alma Mater, and, for the sentiment it cultivates as well as for the gifts it receives, it deserves the warmest appreciation and gratitude of all the friends of Cornell.

GIFTS

Among the donations received during the year was a splendid gift of \$100,000, as an endowment fund for the promotion of studies in German culture, made by Mr. Jacob H. Schiff. Out of this fund have been established the Jacob H. Schiff Fellowship in German and the Jacob H. Schiff Lectureship (nonresident) for the promotion of studies in German Culture.

Mrs. Florence Rand Lang, during the year, completed her gift of \$60,000 to the University and on May 23, 1912, was present at the dedication of Rand Hall, the building which her generosity made possible.

The unlimited munificence of Colonel Payne towards the Medical College in New York City was continued by a gift of \$180,000.

The Fraser Scholarships in Law were made possible by a gift of \$3,000 from Mr. William Metcalfe, jr.

The President desires to thank the Trustees for the year's leave of absence which they generously granted him in recognition of his completion in June of twenty years of service as head of the University. His earnest hope and prayer is that the spirit of unity and concord and brotherhood by which the University has so long been animated in all her membership may be maintained and intensified, that the prosperity which she has achieved in the past may more abundantly crown her in the future, and that her service to the rising generation and to American civilization may steadily increase in helpfulness, in vitality, and in genuine elevation and nobility.

JACOB GOULD SCHURMAN,
President.

REPORT OF THE TREASURER OF CORNELL UNIVERSITY

1911-1912

To the Board of Trustees:

Gentlemen:

I have the honor to submit herewith my report as Treasurer of Cornell University for the fiscal year ending July 31, 1912.

INCOME AND EXPENSE

In spite of earnest effort on the part of all concerned the year ends with an increase in the deficit of over \$36,000. The regular income for the year, after setting aside the surplus income of special funds, which by the terms of the gifts must be used for specific purposes only, and after allowing for the amount necessary to cover the contracts made under the appropriations for the year, lacked \$36,660.08 of meeting the expenses for the year. The accumulated deficit which stood at \$123,669.15 on August 1, 1911, is thereby increased to \$160,358.11. When appropriations were made at the beginning of the year, it was thought that after allowing for the \$20,000.00 to be received from the State for additional instruction given to agricultural students in the first two years of their course, that the deficit would not exceed \$8,000 or \$10,000. As a matter of fact this deficit would not have reached that amount, owing to savings in some of the appropriations made, had it not been for the additional expenditures authorized during the year, of which the more important were: \$20,000 toward reimbursing the Alumni Athletic Field Committee for additional expense involved in changing the location of the Athletic Field from the land east of the playgrounds to that portion of the Campus southwest of the general playground. This change was made to give additional land to the State College of Agriculture upon which to place new buildings, and it was hoped that the Legislature would bear the expense incidental to the change. The State, however, has as yet made no appropriation to cover this amount. Other unexpected items were: \$1,169.30 for additional insurance which it seemed wise to place upon the University buildings; \$1,085.39 for extra fuel required on account of the severe winter; \$4,377.60 for additions to the salary appropriations; \$5,000 for plans and estimates for the much needed addition to Lincoln Hall to accommodate the College of Civil Engineering; \$1,180 for architect's services in connection with the study of the land west of the present University buildings with a view to utilizing the space for the erection of dormitories; \$800 for architect's services in connection with the study of plans for replacing the present northerly row of Sibley College buildings with buildings modelled after Rand Hall and \$4,600 for changes in the roads and grading around Rand Hall, made necessary by its erection, and for necessary repairs to East Avenue. Numerous smaller items considerably in-

creased the amount, but some items of unexpected income brought the deficit down to \$36,660.08 as noted above.

Since the beginning of the present century the regular attendance has increased 100%, while the free or undesignated endowment of the University has increased only about 16% and owing to the decreasing rates of interests, the income from this free endowment has increased only 8% or about \$25,000 per year. A large part of the increase in number of students has come from the State Colleges but the State appropriations pay only a portion of their cost, and every additional student in the State Colleges, as well as every additional student in the University proper, makes an extra demand on the income from the free endowment of the University. The point has been reached where additional income must be provided if we are to continue to receive all qualified students presenting themselves for admission to the University.

NEW CONSTRUCTION

Rand Hall, the new shop building for Sibley College, the gift of Mrs. Florence Rand Lang, is completed at a cost of about \$60,000. The addition to the Infirmary is about completed and the building will be ready for occupancy with the opening of the University. For some years to come, this addition will furnish ample accommodations for students when ill, including those suffering from contagious diseases. This latter class of cases we have heretofore been unable to receive, but have had them cared for in the City Hospital.

Prudence Risley Hall, the new building for women now being erected at a cost of \$300,000, through the munificence of Mrs. Russell Sage, is well under way, and it is hoped that it will be completed by the beginning of the college year, 1913-14.

The State of New York has continued its policy of erecting needed buildings for the State Colleges of Agriculture and Veterinary Medicine. The new Horse Barn (\$20,000) for the Agricultural College is completed. The Home Economics Building (\$154,000), and the Poultry Husbandry Building (\$90,000) are approaching completion. Work is well under way on the Auditorium (\$138,000), and the Heating Plant (\$50,000) for the Agricultural College, and the Clinic and Hospital Building (\$140,000) for the Veterinary College. The Legislature in 1912 provided for the construction of a Headquarters Building for the Department of Animal Husbandry (\$91,000), a Stock Judging Pavilion (\$38,000), an extension of the Agronomy Building (\$100,000), and a Forestry Section of the Plant Industry Building (\$100,000). Plans for these buildings are being prepared and it is hoped that contracts will be awarded this fall.

At the close of the year 1912-13, Cascadilla Building, which has served the University since its founding as a general boarding house, will be overhauled and converted into a dormitory for men students.

POWER DEVELOPMENT

The power and light needs of the University have increased so rapidly that the capacity of the present Power Plant, installed in 1905, has been reached, and during the year to come it will be necessary to purchase considerable power. The present plant has shown itself efficient and economical.

An increased storage capacity to tide over periods of low water, would make possible a very large increase in the capacity of the University plant. About three miles east of Beebe Lake, the Fall Creek Valley is well suited for the erection of a dam and storage reservoir. The requisite territory for its construction has been purchased by the University at a cost of about \$38,000, which is carried as an advance from University funds to be provided later when the Storage Plant and the increase in the equipment of the Power House is arranged for. It is hoped that funds for the construction of this Storage Plant may be found in the near future, as it will not be long before our expenditure for power will exceed the interest on the cost of such a plant.

SUMMARY OF INCOME

In accordance with the policy of the University of keeping the accounts of the State appropriations and property distinct from the University funds, it will be noted that the figures in this report do not include the appropriations of the New York State College of Agriculture, the New York State Veterinary College, or the New York State College of Forestry, unless specifically mentioned.

Income for year 1911-12:

| | |
|---|--------------------|
| University at Ithaca (See Schedule I) | \$1,382,833.79 |
| University at New York (See Schedule I) | 203,152.28 |
| | <hr/> 1,585,986.07 |

| | | |
|--|----------------|--------------|
| Expended at Ithaca (See Schedule I) | \$1,194,807.75 | |
| " " New York (See Schedule I) | 208,822.10 | |
| Increase in amount due Special Funds | 210,081.73 | |
| " in reappropriations | 8,934.57 | 1,622,646.15 |
| | <hr/> | <hr/> |

| | | |
|--|--|-----------|
| Deficit of Income year 1911-12 | | 36,660.08 |
|--|--|-----------|

| | | |
|--|------------|--|
| Add accumulated deficit August 1, 1911 | 123,669.15 | |
|--|------------|--|

| | | |
|---|-------|------------|
| Amount of Byron Industrial Fellowship deducted in error from amount due special funds last year | 28.88 | 123,698.03 |
| | <hr/> | <hr/> |

| | | |
|--|--|--------------|
| Total deficit August 1, 1912 | | \$160,358.11 |
|--|--|--------------|

Summarized as follows:

| | | |
|--|------------------|------------|
| Amount due special funds | \$287,930.59 | |
| Byron Industrial Fellowship deducted in error last year | 28.88 | 287,959.47 |
| Amount due to complete contracts | <hr/> 28,268.76 | |
| | 316,228.23 | |
| Less cash surplus | <hr/> 155,870.12 | |
| | 160,358.11 | |

| | | |
|--|--|--------------|
| Total Income (except State Colleges) | | 1,585,986.07 |
|--|--|--------------|

| | | |
|---|-----------|--|
| Received from New York State for Veterinary College (See Schedule I) | 58,048.46 | |
|---|-----------|--|

| | | |
|----------------------------------|----------------|-----------|
| Received from fees, etc. | <hr/> 7,163.60 | 65,212.06 |
|----------------------------------|----------------|-----------|

| | | |
|---|------------|--|
| Received from New York State for State Col- lege of Agriculture (See Schedule I) | 419,951.65 | |
|---|------------|--|

| | | |
|---|------------------|------------|
| Received from fees, sale of stock, etc. | <hr/> 196,384.89 | 616,336.54 |
|---|------------------|------------|

| | | |
|--|-------|----------------------|
| | <hr/> | <hr/> \$2,267,534.67 |
|--|-------|----------------------|

| | | |
|---|--|-------------|
| Received from Carnegie Foundation for pen- sions to retired professors | | \$27,609.83 |
|---|--|-------------|

CONDENSED AND COMBINED INCOME STATEMENT

| | University at Ithaca | University at New York | State Vet. College | State Agr. College | Total |
|---------------------------------------|-------------------------|---------------------------|-----------------------|-----------------------|----------------|
| Tuition | \$322,258.70 | \$8,355.00 | \$800.00 | \$7,849.16 | \$339,262.86 |
| Summer Session | 24,553.30 | | | 1,245.00 | 25,798.30 |
| Laboratory and other fees | 103,587.93 | 2,998.27 | 2,255.95 | 14,212.96 | 123,055.11 |
| Total from Students | \$450,399.93 | \$11,353.27 | \$3,055.95 | \$23,307.12 | \$488,116.27 |
| From Invested Funds..... | 422,745.88 | 6,408.84 | | | 429,154.72 |
| College Land Scrip Fund | 34,428.80 | | | | 34,428.80 |
| From United States | 72,500.00 | | | | 72,500.00 |
| From State of New York | | | | | |
| Sage College and Cottage..... | 16,280.06 | | 58,048.46 | 419,951.65 | 478,000.11 |
| Rents of Buildings | 9,448.12 | | | | 16,280.06 |
| Donations to current Income | 15,391.04 | 180,000.00 | | | 195,391.04 |
| Donations for increase of Plant..... | 335,000.00 | | | | 335,000.00 |
| Departments (not from students) | 5,654.59 | 4,537.66 | 3,781.54 | 172,202.60 | 186,176.39 |
| Miscellaneous | 20,985.37 | 852.51 | 326.11 | 875.17 | 23,039.16 |
| | \$1,382,833.79 | \$203,152.28 | \$65,212.06 | \$616,336.54 | \$2,267,534.67 |

CONDENSED AND COMBINED EXPENSE STATEMENT

| | | | | | |
|--|----------------|--------------|-------------|--------------|----------------|
| Salaries of Instruction and Research..... | \$505,513.11 | \$116,266.17 | \$30,170.87 | \$115,211.31 | \$767,161.46 |
| Departments | 133,529.64 | 32,904.47 | 8,903.70 | 243,837.45 | 419,175.26 |
| Administrative Salaries..... | 38,478.23 | 6,720.00 | 1,163.26 | 12,448.00 | 58,809.49 |
| General Expense..... | 121,724.72 | 52,431.46 | 10,354.69 | 47,697.20 | 232,208.07 |
| Prizes, Scholarships, Fellowships, and Loans | 49,303.94 | 500.00 | | | 49,803.94 |
| Sage College and Cottage..... | 19,284.31 | | | | 19,284.31 |
| Summer Session | 27,800.00 | | | | 27,800.00 |
| Agricultural Experiment Station..... | 27,997.13 | | | 7,740.63 | 35,540.63 |
| Library | 44,233.84 | | | | 44,233.84 |
| New Buildings..... | 138,760.78 | | | | 138,760.78 |
| Alterations | 22,481.00 | | | | 22,481.00 |
| Special Extension Work..... | | | 10,588.36 | 141,692.68 | 152,181.04 |
| Grading Roads and Walks..... | 5,981.37 | | | 4,278.07 | 10,259.44 |
| Special Gladiola Investigation..... | | | 5,868.45 | 40,071.17 | 45,939.62 |
| Income transferred to Principal | 13,848.76 | | | 3,004.00 | 16,852.76 |
| Relocation Athletic Field..... | 20,000.00 | | | 392.95 | 20,392.95 |
| Miscellaneous | 25,870.92 | | | | 25,870.92 |
| | \$1,194,807.75 | \$208,822.10 | \$67,049.33 | \$616,373.46 | \$2,087,052.64 |

TOTAL PROPERTY

The property of the University increased during the year as follows:

| | August 1, 1911 | August 1, 1912 | Increase |
|--|-----------------|-----------------|--------------------------|
| Productive Funds..... | \$8,737,108.44 | \$9,523,405.50 | \$786,297.06 |
| Income due Special Funds..... | 77,848.86 | 287,930.59 | 210,081.73 |
| Profit on Foreclosure Property | 28,287.63 | 28,287.63 | |
| Premium and discount..... | 142,575.49 | 105,703.67 | 996,378.79 *36,871.82 |
| Less deficit of Income not including amount due to complete contracts | \$8,985,820.42 | \$9,945,327.39 | \$ 959,506.97 |
| | 104,334.96 | 132,060.47 | 27,725.51 |
| Real Estate account | \$8,881,485.46 | \$9,813,266.92 | \$ 931,781.46 |
| Equipment..... | 3,996,527.02 | 4,002,647.18 | 6,120.16 |
| | 1,839,985.09 | 1,902,099.63 | 62,114.54 |
| | \$14,717,997.57 | \$15,718,013.73 | \$1,000,016.16 |
| Buildings in course of construction | | 219,430.59 | 219,430.59 |
| Total University Property exclusive of the value of 1,160 acres of Western Lands | \$14,717,997.57 | \$15,937,444.32 | 1,219,446.75 |
| State College Buildings ... | 491,796.67 | 646,752.91 | 154,956.24 |
| State College Equipment .. | 200,795.69 | 225,370.24 | 24,574.55 |
| | \$15,410,589.93 | \$16,809,567.47 | \$1,398,977.54 |

The Productive Funds account represents the total endowment of the University, together with certain funds in which the University has a contingent interest. They are the income-producing funds.

The principal increase during the year was \$644,650.20 received from the executors of the estate of Mr. Goldwin Smith under the residuary clause of his will; \$100,000 from Mr. Jacob H. Schiff as an endowment fund, the income from which is to be used for the promotion of studies in German Culture; \$3,000 from Mr. William Metcalf, jr., to endow the A. H. R. Fraser Fellowship in the College of Law; and \$2,000 from Mr. Alexander J. Wurts in memory of his mother, Laura Jay Wurts, the income to be loaned to students in Sibley College. For increasing this fund the students of Sibley College have themselves contributed \$264.74.

The kind of securities in which the funds of the University are invested is shown by the following table:

*Decrease.

CLASSIFICATION OF INVESTMENTS

| | | Aug. 1, 1911 | | Aug. 1, 1912 |
|----------------------------|-------|----------------|-------|----------------|
| Municipal Bonds..... | .110 | \$978,800.00 | .096 | \$947,590.52 |
| State of New York Scrip. . | .078 | 688,576.12 | .070 | 688,576.12 |
| Foreign Government Bonds | .034 | 299,844.00 | .030 | 290,096.00 |
| Bank Stock | .009 | 81,200.00 | .008 | 81,200.00 |
| Steam Railroad Bonds . . . | .139 | 1,234,600.00 | .132 | 1,295,600.00 |
| Railroad Equipment Notes. | .040 | 350,000.00 | .036 | 349,000.00 |
| Traction Bonds..... | .115 | 1,018,000.00 | .103 | 1,004,970.00 |
| Light & Power Co. Bonds.. | .140 | 1,240,000.00 | .123 | 1,210,000.00 |
| Lumber Bonds. | .048 | 430,000.00 | .036 | 354,000.00 |
| Miscellaneous Corpn. Bonds | .097 | 858,500.00 | .102 | 983,253.50 |
| Stock, other than Bank . . | .040 | 352,300.00 | .085 | 837,150.00 |
| Loans on Collateral... . | .011 | 102,977.50 | .008 | 79,477.50 |
| Real Estate Mortgages. . | .121 | 1,078,290.00 | .146 | 1,431,106.47 |
| Land Contracts.... | .003 | 25,290.55 | .001 | 8,449.69 |
| Real Estate | .012 | 111,406.70 | .013 | 130,398.88 |
| Special Deposits | | 3,998.73 | | 5,029.22 |
| Cash and Ledger Balances. | .003 | 27,701.86 | .011 | 117,369.02 |
| | 1.000 | \$8,881,485.46 | 1.000 | \$9,813,266.92 |

The average rate of interest on the above is 5.08%. The average rate received during the past year was 5.065%.

DONATIONS

The following is a list of gifts to the University which passed through this office. It does not include many donations made directly to Departments.

| | |
|---|-----------------------|
| American Steel & Wire Company for Fellowship. | \$2,000.00 |
| American Guernsey Cattle Club for Fellowship..... | 400.00 |
| Bethany-Batavia Fruit Growers' Association for Fellowship . . | 1,550.00 |
| Byron Fruit Growers' Association for Fellowship..... | 775.00 |
| Davey Tree Expert Co., for J. M. Davey Fellowship... | 500.00 |
| Union Sulphur Co. for Herman Frasch Fellowship. . . . | 5,000.00 |
| Holstein Friesian Association for Scholarship. | 400.00 |
| Newfane Fruit Growers' Association for Fellowship. . . . | 375.00 |
| Oswego Fruit Growers' Association for Fellowship... . | 300.00 |
| W. B. Rogers for Fellowship..... | 250.00 |
| Stuart-Chase-Brown-Perkins for Fellowship..... | 2,600.00 |
| Genesee Fruit Growers' Association for Fellowship. | 325.00 |
| Alexander J. Wurts for Wurts' Loan Fund. | 2,264.74 |
| Wyoming Valley Truck Farm for Fellowship..... | 500.00 |
| Willard Fiske Estate for Account Fund..... | 24.00 |
| Frigga Fylge Society for Agricultural Student Loan Fund. . . | 166.04 |
| Wm. Metcalf, Jr., for A. H. R. Fraser Fellowship. | 3,000.00 |
| Florence Rand Lang for Rand Hall (balance)..... | 35,000.00 |
| Mrs. Russell Sage for Prudence Risley Hall..... | 300,000.00 |
| Jacob H. Schiff for Endowment for the promotion of studies in German Culture | 100,000.00 |
| Goldwin Smith Estate for Endowment Fund | 644,650.40 |
| J. T. Morrison for James T. Morrison Prize. | 100.00 |
| A. R. Eastman for Prize in College of Agriculture. | 100.00 |
| Andrew D. White for Books. | 77.27 |
| W. H. Hollingsworth for Hollingsworth Honorarium. . . | 50.00 |
| Col. O. H. Payne for Medical College, New York City . . | 180,000.00 |
| | <u>\$1,280,407.45</u> |

The Productive Funds of the University with the purpose for which the fund is intended and the income received during the year are as follows:

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|---|--------------|--------------------------|--------------|-----------------------------------|
| Agricultural Student Loan Fund: | | | | |
| Gift of the School of Practical Agriculture and Horticulture at Brier-cliff, N. Y., to aid students in the Agricultural College who are working their way through. Established 1908 | \$ 298.01 | | \$ 298.01 | \$ 15.09 |
| Alumni Fund: | | | | |
| Consists of the contributions of Alumni through the Cornellian Council | 5,282.04 | \$7,991.55 | 13,273.59 | 366.78 |
| Money advanced by Alumni to guarantee expenses of the Cornellian Council | 2,085.00 | *395.00 | 1,690.00 | 101.30 |
| Alumni Endowment Fund: | | | | |
| Gift of Alumni to the Endowment Fund of the University. Established 1908 | 500.00 | | 500.00 | 25.32 |
| Barnes Library Endowment Fund: | | | | |
| Gift of Mrs. Harriet Barnes Newberry and A. Victor Barnes in memory of their father, the late Alfred Cutler Barnes. Established 1904. . . | 5,000.00 | | 5,000.00 | 253.25 |
| Mrs. A. S. Barnes Shakespeare Prize Fund: | | | | |
| Gift of Mrs. A. S. Barnes, the income to be appropriated as a prize to the undergraduate student who shall present the best essay upon the writings of Shakespeare. Established 1887 | 1,000.00 | | 1,000.00 | 50.65 |
| Cottage Renewal Fund: | | | | |
| Consists of the surplus income from the Cottages owned by the University, in excess of 5½% of the investment value transferred annually to current income; the fund to be held to renew the cottages or replace the investment therein. Established 1904. | 12,393.47 | 3,429.13 | 15,822.60 | 627.76 |
| Philo Sherman Bennett Fund: | | | | |
| Gift from the estate of Mr. Bennett, the income to be used for a prize for the best essay discussing the Principles of Free Government. Established 1905 | 400.00 | | 400.00 | 20.26 |
| Class '86 Memorial Prize Fund: | | | | |
| Gift of the Class of 1886, the income to be awarded annually as a prize in Junior Oratory | 1,886.00 | | 1,886.00 | 95.52 |

*Deduction

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|--------------|--------------------------|--------------|-----------------------------------|
| Class '91 Memorial Fund: | | | | |
| Gift of Class of 1891, the income to be added to the principal until class action. Established 1891 | \$ 640.96 | \$ 32.45 | \$ 673.41 | \$ 32.45 |
| Class '94 Memorial Prize Debate Fund: | | | | |
| Gift of the Class of 1894, as a foundation of a prize in debate. | 1,894.00 | | 1,894.00 | 95.93 |
| Class '96 Memorial Fund: | | | | |
| Gift of the Class of 1896, as a nucleus for a fund which shall be used for the establishment of a University Club | 964.18 | 48.82 | 1,013.00 | 48.82 |
| Class '97 Memorial Fund: | | | | |
| Gift of Class of 1897, for furthering the plan of a University Club. | 1,596.98 | 80.89 | 1,677.87 | 80.89 |
| Class '98 Memorial Fund: | | | | |
| Gift of Class of 1898 to be added to the fund for the establishment of a University Club | 415.18 | 21.02 | 436.20 | 21.02 |
| Class of 1908 Fund: | | | | |
| Established by Class of 1908 to be invested with University funds, the income on \$500 less 5% transferred to University Surplus Fund to be paid over to Class Secretary. When no longer needed by the Class the fund is to revert to the University for general University purposes unless the Class at some regular meeting designates a particular University purpose for its use. Established 1908 | 1,603.19 | 56.19 | 1,659.38 | 81.19 |
| Class of 1912 Fund: | | | | |
| Established by the Class of 1912 to be invested by the University with its funds, the income less 5% transferred to the University Surplus or Insurance Fund to be subject to the call of the life Secretary of the Class. The fund, when no longer needed by the Class to revert to the University for general University purposes unless the Class at some five year reunion meeting designate a particular University purpose for its use. Established 1912 | | 813.38 | 813.38 | |
| College Land Scrip Fund: | | | | |
| Consists of the proceeds received by the State of New York from the sale of the Land Scrip apportioned to the State by the U. S. under the Morrill Act of 1862 | 688,576.12 | | 688,576.12 | 34,428.80 |
| Cornell Endowment Fund: | | | | |
| Consists of the \$500,000 given by Ezra Cornell, pursuant to his agree- ment with the State, for the founding of the University, together with the net profits derived from the sale of lands located under the scrip purchased by him under his contract with the State, of Aug. 4, 1866. . | 4,930,407.91 | 428.88 | 4,930,836.79 | 249,761.51 |

Cornell Endowment Reserve Fund:

Established in 1898 by setting aside the Land Contracts and proceeds from future sales of Western Lands, the principal and income to be used only for addition to Cornell Endowment Fund.

\$524,956.75 \$1,862.59 \$526,819.34 \$26,888.71

Cornell Infirmary Fund:

Gift of Messrs. Dean and William H. Sage, the income to be used for the maintenance and needs of the Cornell Infirmary, established by them as a memorial to their father, Henry W. Sage, said Infirmary being the former residence of Henry W. Sage and valued at \$60,000. Established 1897.

100,000.00 100,000.00 5,050.00

Caroline Corson French Prize Fund:

Gift of Professor Hiram Corson in memory of his wife Caroline Rollin Corson, the income to be awarded as a French Prize. Established in 1902 as a Dante Prize and converted into a French Prize in 1905. . .

1,281.25 1,281.25 64.88

Hiram Corson Browning Prize Fund:

Gift of Professor Hiram Corson, the income to be awarded as a Browning Prize. Established 1902.

1,051.80 1,051.80 53.28

Daughters of the Revolution Endowment Fund:

Gift of Miss Mary F. Hall, in honor of the N. Y. State Society of the Daughters of the Revolution, the income to be added to the fund during Miss Hall's lifetime and then, provided principal amounts to \$1,000 to be used for the publication of such original studies in American History as are of permanent value, or as a suitable prize or prizes for research of superior attainment in American History. Established 1908.

578.94 29.32 608.26 29.32

Fayerweather Fund:

Gift under the will of Daniel B. Fayerweather. Established 1892. . .

323,684.59 323,684.59 16,394.64

Willard Fiske Library Endowment Fund:

Gift under the will of Willard Fiske, to be used and expended for the uses and purposes of the Library of the University. Established 1906

442,555.00 442,555.00 22,414.29

Willard Fiske Icelandic Book Fund:

Gift under the will of Willard Fiske, the income to be used for the purpose of making additions to the Icelandic Collection in the Library of the University. Established 1906.

8,000.00 8,000.00 405.20

Willard Fiske Icelandic Salary Fund:

Gift under the will of Willard Fiske, the income to be used for the purpose of paying the salary of an Icelandic amanuensis, whose time shall be given to the care of the Icelandic collection and who shall be a native of Iceland, educated, or principally educated in Iceland, and recommended for the said work by the Rector of the Latin School of Reykjavik. Established 1906.

30,000.00 30,000.00 1,519.50

Willard Fiske Petrarch Book Fund:

Gift under the will of Willard Fiske, the income to be used for the purpose of increasing the Petrarch and Dante collections in the Library of the University. Established 1906.

Willard Fiske Petrarch Salary Fund:

Gift under the will of Willard Fiske, the income to be used in paying the salary or a part of the salary of a capable amanuensis, a portion of whose time shall be given to the care of the Petrarch and Dante collections. Established 1906.

Willard Fiske Icelandic Publication Fund:

Gift under the will of Willard Fiske, the income to be used for the purposes of the publication of an annual volume relating to Iceland and the Icelandic collection in the Library of the University. Established 1906.

R. P. Flower Library Endowment Fund:

Established in 1901 by a gift of Mrs. Sarah M. Flower of \$10,000, the income to be used for the purchase and binding of books and periodicals for the Roswell P. Flower Library, founded by Governor Flower for the Veterinary College, by a gift of \$5,000 in 1897. \$1,000 remaining unexpended at the time of his death is added to the endowment.

The Fraser Scholarships Fund:

Gift of William Metcalf, jr., LL.B., 1901, of Pittsburgh, Pa., in memory of Alexander Hugh Ross Fraser for eighteen years librarian of the Law Library, the income to be awarded in two scholarships to seniors in Law, the award to be based on scholarship, financial need and character. Established 1911.

Fuertes Medal Fund:

Gift of the late Estevan A. Fuertes, the income to provide two medals, to be awarded annually: one to the student graduating, who has maintained the highest degree of scholarship during his four years; the other to the graduate, who may write a meritorious paper on some engineering subject. Established 1893.

General Fund:

Consists of the endowment of not less than \$100,000 available for the maintenance of Rockefeller Hall; required as a condition precedent to John D. Rockefeller's gift.

| Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--------------|-----------------------|--------------|-----------------------------|
| \$ 6,000.00 | | \$ 6,000.00 | \$ 303.90 |
| 12,000.00 | | 12,000.00 | 607.80 |
| 5,000.00 | | 5,000.00 | 253.25 |
| 11,000.00 | | 11,000.00 | 557.15 |
| | \$3,000.00 | \$ 3,000.00 | 150.00 |
| 1,000.00 | | 1,000.00 | 50.65 |
| 106,000.00 | | 106,000.00 | 5,368.90 |

Goldwin Smith Fund:

Gift under the will of Goldwin Smith to be used for promotion especially of liberal studies; language ancient and modern, literature, philosophy, history and political science, for which provision was made in Goldwin Smith Hall. Established 1911

\$ 25,000.00 \$644,650.40 \$669,650.40 \$20,129.80

Guiteau Student Loan Fund:

Gifts under the wills of Frederick W. Guiteau and Mrs. Nancy G. Howe (\$94,689.03), the income to be used in advancing and assisting needful worthy young men in pursuing their studies in the University. Established 1904

239,222.35 6,104.90 245,327.25 12,116.59

Guilford Essay Prize Fund:

Gift under the will of James B. Guilford to establish a prize the object whereof shall be the promotion of a high standard of excellence in English prose composition. Established 1902

3,000.00 3,000.00 3,000.00 151.95

Mary F. Hall Scholarship Fund:

Gift of Miss Mary F. Hall, the income to be paid to her during her lifetime, and at her death to be used for scholarships. Established 1902

16,500.00 16,500.00 16,500.00 835.73

Lucy Harris Book Fund:

Gift of George W. Harris as a memorial to his wife, Lucy Thurber Harris, the income to be expended each year in the purchase of English Poetry of the Victorian Era and of biography and criticism connected therewith. Established 1893

1,000.00 1,000.00 1,000.00 50.65

Law School Fund:

Gift of Douglass Boardman, the income to be used for a Law Prize. Established 1887

2,000.00 2,000.00 2,000.00 101.30

Henry W. Sage Library Endowment Fund:

Gift of Henry W. Sage for endowment of Library. Established 1891

300,000.00 300,000.00 300,000.00 15,195.00

Susan E. Linn Sage Professorial Fund:

Gift of Henry W. Sage to endow the Chair of Ethics and Philosophy. Established 1885

50,000.00 50,000.00 50,000.00 2,532.50

Susan E. Linn Sage School of Philosophy Fund:

Gift of Henry W. Sage to enlarge the basis of the Susan Linn Sage Foundation and establish the Susan Linn Sage School of Philosophy. Established 1891

200,000.00 200,000.00 200,000.00 10,130.00

Loomis Laboratory Fund:

Consists of the Endowment of the Loomis Laboratory turned over to the University by its Trustees at the time the Laboratory was transferred to Cornell. Established 1899

118,176.79 118,176.79 118,176.79 5,985.66

Luana L. Messenger Prize Fund:
 Gift of H. J. Messenger in memory of his mother, for an annual prize to the student writing the essay giving evidence of the best research and most fruitful thought in the field of human progress or the evolution of civilization. Established 1902.

Frank William Padgham Scholarship:
 Gift of Amos Padgham to found a scholarship in Sibley College in memory of his son. Established 1892.

Polish Student Loan Fund:
 Gift from Polish students at Cornell to be disbursed to candidates presented by members of the Polish Club of the University. Established 1909.

John Metcalf Polk Prize Fund:
 Gift of Wm. M. Polk to found a prize in the Cornell Medical College at N. Y., in memory of his son. Established 1905.

Professorial Pension Fund:
 Anonymous gift of \$150,000 to found a pension fund for full professors, excluding professors in the Medical College in New York City, or in State or National Institutions at Ithaca or elsewhere, together with the income received thereon. Established 1903.

Professorial Pension Income Fund:
 Consists of the payments by professors admitted to the benefits of the Pension Fund, with accrued income.

Charles H. Roberts Scholarship Fund:
 Gift of Charles H. Roberts of Oakes, Ulster Co., New York, the income to be used in the payment of five equal annual scholarships in the College of Agriculture, and open to all races of mankind, regardless of color, or political or religious creeds, of good moral character and required qualifications, preference to be given to intelligence and financial inability. Established 1906.

Sage College Endowment Fund:
 Gift of Henry W. Sage. Established 1872.

Dean Sage Sermon Fund:
 Gift of Dean Sage in 1872, as an endowment of Sage Chapel and increased by recent gifts from Mrs. Sage.

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|--------------|-----------------------|--------------|-----------------------------|
| | \$ 1,000.00 | | \$ 1,000.00 | \$ 50.65 |
| | 3,000.00 | | 3,000.00 | 151.95 |
| | 100. 00 | | 100.00 | 5.06 |
| | 10,000.00 | | 10,000.00 | 506.50 |
| | 226,267.18 | \$11,460.42 | 237,727.60 | 11,460.42 |
| | 23,965.98 | 3,216.92 | 27,182.90 | 1,213.88 |
| | 30,000.00 | | 30,000.00 | 1,200.00 |
| | 109,300.00 | | 109,300.00 | 5,519.65 |
| | 75,000.00 | | 75,000.00 | 3,798.75 |

Frances Sampson Fine Arts Prize:

Gift of Professor Martin W. Sampson in memory of his wife, to be awarded in books or artistic reproductions and not in money, to that student in the University who shows the most intelligent appreciation of the graphic arts and architecture. Established 1909

Wm. C. Seidel Book Fund:

Gift of Mr. and Mrs. Gerritt S. Miller, the income to be used to purchase books for poor young men working their way through the College of Civil Engineering. Established 1905

Sibley College Endowment Fund:

Gift of Hiram Sibley. Established 1884.

The Jacob H. Schiff Endowment:

For the promotion of Studies in German Culture. Established 1912 . .

Judson N. Smith Scholarship Fund:

Gift of Mrs. Sarah L. Smith to found a scholarship in the College of Civil Engineering in memory of her son, and to be awarded, under such rules as the University may exact, on the basis of intelligence and financial inability, provided, however, that the student be of good moral character and meet the required qualifications. Interest at the rate of 4 per cent upon the fund to be paid to Mrs. Smith during her lifetime, the Scholarship taking effect at her death.
Town of Spencer Scholarship for Young Women Fund:
Gift of Miss Mary F. Hall to found a scholarship for young women, of the town of Spencer, N. Y., the income, however, to be paid to her during her lifetime

Surplus Fund:

Consists of 5% on annual income to cover such losses as may occur through bad investments, fire, or otherwise. Established 1886. Accumulations used for purchase of land and erection of buildings and for several years past returned to current income to help meet annual deficit.

H. K. White Prize Fund:

Gift of Horace K. White, the income to be awarded as prizes to meritorious students in Veterinary Science.

Women's Guild Fund:

The gift of women interested in the University, the income to be used to aid needy sick students. Established 1892

| | | |
|--------------|------------|----------|
| \$ 600.00 | \$ 600.00 | \$ 30.39 |
| 1,000.00 | 1,000.00 | 50.65 |
| 50,000.00 | 50,000.00 | 2,532.50 |
| \$100,000.00 | 100,000.00 | 2,658.33 |
| 3,250.00 | 3,250.00 | 164.61 |
| 2,500.00 | 2,500.00 | 126.63 |
| 105.56 | 110.90 | 5.34 |
| 500.00 | 500.00 | 25.33 |
| 6,557.41 | 6,557.41 | 332.11 |

Women Student's Loan Fund:
 Consists of former Student's Loan Fund, the income to be loaned, to
 needy women students.
 Woodford Medal Fund:
 Gift of Trustee Stewart L. Woodford for prizes in Oratory. Established
 1870
 Wurts Loan Fund:
 Gift of \$2,000 by Alexander Jay Wurts in memory of his mother, Laura
 Jay Wurts, the income to be loaned to students of Sibley College to
 "help lift the man's burden from the boy's shoulders". Additions by
 Sibley students. Established 1912

| | Aug. 1, 1911 | Additions during year | Aug. 1, 1912 | Income received during year |
|--|----------------|--------------------------|----------------|-----------------------------------|
| | \$ 8,535.80 | \$1,171.12 | \$9,706.92 | \$432.35 |
| | 2,500.00 | | 2,500.00 | 126.63 |
| | | 2,264.74 | 2,264.74 | 44.60 |
| | \$8,737,108.44 | \$786,297.06 | \$9,523,405.50 | \$463,583.52 |

Respectfully submitted,

E. L. WILLIAMS,

Treasurer.

NOTE: A complete report of the Treasurer, with appendix containing schedules referred to above and others, will be forwarded to Alumni upon receipt of specific request for same, addressed to the Treasurer, Cornell University, Ithaca, N. Y.

FORMS OF BEQUESTS TO CORNELL UNIVERSITY

GENERAL BEQUESTS

I hereby give, devise, and bequeath to Cornell University at Ithaca, N. Y.,
 the sum of
 Dollars.

.....

 BEQUEST FOR ENDOWMENT OF PROFESSORSHIP

I hereby give, devise, and bequeath to Cornell University, at Ithaca, N. Y.,
 the sum of

 Dollars as an endowment for a professorship in said University, the income
 from which said sum is to be used each year towards the payment of the salary
 of a professor of said institution.

.....

 BEQUEST FOR SCHOLARSHIP

I hereby give, devise, and bequeath to Cornell University, at Ithaca, N. Y.,
 the sum of

 Dollars, the income from which sum is to be used each year in the payment of an
 undergraduate scholarship in said University, to be known as the.. ..
 ..scholarship.

.....

 BEQUEST FOR A PARTICULAR PURPOSE DESIGNATED BY THE TESTATOR

I hereby give, devise, and bequeath to Cornell University at Ithaca, N. Y.,
 the sum of
 Dollars to be used (or the income from which said sum is to be used each year)
 for the purpose of
 (insert purpose).

APPENDIX I

REPORT OF THE SECRETARY OF THE UNIVERSITY FACULTY

To the President of the University:

SIR: I have the honor to submit the following report upon the work of the University Faculty for the academic year 1911-12. The report covers the Faculty's legislation on matters of general concern to the University and the work of the Faculty's standing committees.

I. THE FACULTY'S LEGISLATION

WOMEN MEMBERS. On October 18, 1911, the Faculty took the following action:

Voted that the University Faculty, while not favoring in general the appointment of women to professorships, interpose no objection to their appointment in the Department of Home Economics in the College of Agriculture.

PROFESSOR GEORGE WILLIAM JONES. (Memorial resolutions of November 10, 1911).

We, the members of the University Faculty, desire to place on record a tribute of respect to the memory of an honored colleague, Professor George William Jones, a detailed appreciation of whose life and work was placed in our minutes on the occasion of his retirement from active service in 1907.

As a teacher he labored with unwearied patience and undivided loyalty to inculcate the best intellectual attainments of clear thinking, sound reasoning, and accurate exposition. His ideals were of the highest and towards their realization he exacted of himself and of his students a whole-hearted devotion.

As a citizen he conceived nobly and performed faithfully his obligations, in promoting charitable and philanthropic work, in efforts to improve the moral environment of the student, and in extending a helping hand to those in need of aid or encouragement.

To the bereaved family of our late associate and friend we express our warmest sympathy and regard.

DATES FOR THE CONFERRING OF DEGREES. (Action of November 10, 1911).

Voted that the Board of Trustees be requested to confer degrees upon students (recommended by the proper faculty), at their meeting following the close of the first term, of the second term, and in October.

To this request the Board of Trustees replied on December 16, 1911, as follows:

Upon the request of the University Faculty, it was

Resolved, that the Board of Trustees confer degrees upon students upon the recommendation of the proper faculty and the nomination of the President at its meeting following the close of the first term and of the second term and in the Fall.

THE PADGHAM SCHOLARSHIP. The following changes in the statute governing the Frank William Padgham Scholarship were recommended by the Faculty (December 15, 1911) and approved by the Board of Trustees (December 26, 1911):

Section III: For the words "shall pass the best examination in a competitive examination in studies required for admission to the Sibley College of Mechanical Engineering", shall be substituted the following: "shall pass the best examination in a competitive examination on certain studies which may be offered for admission to the Sibley College of Mechanical Engineering".

Section V of the statute shall read: "The subjects for the competitive examination shall be the following: 1. Solid Geometry, Advanced Algebra, Plane Trigonometry. 2. Third Year German. 3. Third Year French. 4. English. Of these four subjects the candidate must take three, including mathematics".

Further, the appointment to a vacancy under Section VII of the present statute, shall be made by the Committee on University Undergraduate Scholarships, on the recommendation of the Faculty of Sibley College.

REGISTRATION. (Action of December 15, 1911).

Voted that hereafter students be registered as belonging to the class with which they are normally expected to graduate.

PHYSICAL TRAINING AND DRILL. (Action of December 15, 1911).

Voted that the required Drill of the freshman year (Gymnasium in the case of women) must be taken during that year, otherwise the student will not be permitted to register again in the University, without the consent of the University Faculty; that the required Physical Training of the sophomore year must be taken during that year, otherwise the student will not be permitted to register again in the University without the consent of the University Faculty.

The foregoing rule is to go into effect for freshmen with the beginning of the academic year 1912-13 and for freshmen and sophomores with the beginning of the academic year 1913-14.

COMMITTEE ON STUDENT AFFAIRS. (Action of December 15, 1911).

Voted that the Trustees be requested so to amend the statutes as to empower the Committee on Student Affairs permanently to remove students from the University, provided the Trustees deem any amendment necessary in order to confer such power.

The Executive Committee of the Board of Trustees on January 23, 1912, amended the statute relating to discipline as follows:

The disciplinary authority of the University Faculty may, in the discretion of the University Faculty, be vested in a Committee on Student Affairs, with power to inflict all penalties, including expulsion.

February 16, 1912. Under the amended statute, the Faculty delegated its disciplinary authority, including the power to inflict the penalty of expulsion, to the Committee on Student Affairs.

DATE OF COMMENCEMENT. (Action of December 15, 1911).

Voted that the date of Commencement be made approximately one week earlier than scheduled in the present academic calendar, making it fall on Thursday or Friday of the week in which examinations close.

UNIVERSITY OF GREECE. (Action of February 16, 1912). Professor George Lincoln Burr was appointed to represent the Faculty at the seventy-fifth anniversary of the foundation of the National University of Greece, and the following congratulatory address was approved:

To the National University of Greece on the Seventy-fifth Anniversary of its Foundation, Cornell University sends Greetings and Congratulations. May the career of the National University of Greece, so auspiciously and so prosperously begun, and so blessed in its heritage of an ancient and incomparable civilization, be forever worthy of the memories of its Hellenic home, a source of beneficent

light for the new Greece and an ever-living force in the progressive culture of mankind.

As delegate to bear this Message of Greeting to the National University of Greece, Cornell University sends its Professor of Medieval History, George Lincoln Burr, Doctor of Laws and of Letters.

MASTER IN FORESTRY. (Action of February 16, 1912).

Voted, on the request of the College of Agriculture, to recommend to the Board of Trustees the establishment of the degree of Master in Forestry.

The foregoing recommendation was approved by the Board of Trustees on April 27, 1912.

COMMENCEMENT CEREMONIES. (Action of February 16, 1912).

By vote of the Faculty the traditional procession of candidates for degrees across the stage at Commencement was abolished.

CONFERRING OF DEGREES. (Action of February 16, 1912).

Degrees granted at the end of the first term shall be conferred as of the date of the last day of the term.

Degrees granted in the Fall shall be conferred as of the date one day previous to the beginning of instruction.

PROFESSOR WILLIAM ALBERT FINCH. (Memorial resolutions of April 19, 1912).

Professor William Albert Finch, a member of the Faculty of Cornell University for a period of over twenty years, died on March 31st, 1912. At its first meeting after his death, this Faculty desires to inscribe upon its records an acknowledgment of the great loss which the University has sustained by the death of Professor Finch.

Professor Finch was graduated from this University in 1880 with the degree of Bachelor of Arts, and was the same year admitted to the Bar, having been engaged in the study of law during his undergraduate days in the office of Francis M. Finch. He immediately took up the practice of law in Ithaca, becoming a member of the firm of Halliday and Finch. Appointed in 1891 to an assistant professorship in law, Professor Finch was the first graduate of Cornell University to return as a member of the Faculty of the College of Law. He was promoted the following year to an associate professorship, and in 1895 to the full professorship which he held until his death. During the years 1896 to 1901, he acted as secretary of the faculty of the College of Law, having full charge of the administrative work of the College during that time.

Specializing in the law of real property—a branch of the law requiring the closest application for that comprehensive mastery which was his—his presentation of it in class room and through his writings was clear and illuminating. Yet he was no narrow specialist; it is an indication of the breadth of his scholarly interests and sympathies that he was accustomed to refresh and recreate his mind by constant studies in science and the classics.

Never robust, and suffering from ill health during the larger part of his life, especially during the last years, he nevertheless entered into his daily task with a spirit serene but enthusiastic, a self-sacrifice brave but unostentatious, that brought friendly cheer and inspiration to the students and his colleagues.

PROFESSOR RALPH STOCKMAN TARR. (Memorial resolutions of April 19, 1912).

By the sudden death of Ralph Stockman Tarr, Professor of Physical Geography, the University Faculty have lost a beloved colleague, an active investigator, and a teacher of attractive and stimulating personality. Coming to Cornell as Assistant Professor of Geology, and soon winning a professorship, he gave to the University the best twenty years of his life. Eminently an outdoor geologist,

he pushed his physiographic studies into remote regions. For whatever was significant in the forms or surface of the earth he had a keen vision. And what he had seen he described with insight into its causes. His teaching was quickened by his work afield. The fresh air of the glacier stirred in his classroom, and the pictured landscape lived because he knew the meaning of its parts. The gift was his in an exceptional degree of simple and vivid presentation. By his writings he not only contributed to advance our knowledge of the work of ice in sculpturing the land, but he raised the whole field of physiographic studies to a collegiate plane by basing his exposition of them upon a competent scientific knowledge. As a man he was sincere and outspoken; steadfast in his convictions, but tolerant of the views of others. For youth and the interests of youth he retained without effort a sympathy as helpful as it is rare. This expression of esteem for a colleague cut off in the midst of his achievements and his plans is inscribed with sorrow upon the minutes of the University Faculty.

DEGREE OF MASTER IN LANDSCAPE DESIGN. (Action of May 10, 1912). At the request of the College of Agriculture the Faculty voted to recommend to the Board of Trustees the establishment of the degree of Master in Landscape Design. On June 13th the Board of Trustees communicated to the Faculty its approval of the above recommendation.

THE GUILFORD PRIZE. (Action of May 10, 1912). Sections 7 and 8 of the present statute governing the Guilford Prize were stricken out and the following substituted therefor:

The essays shall be read and the prize awarded by a committee of three professors, appointed each year by the President from the University Faculty.

DEGREE OF BACHELOR OF SCIENCE. On May 31, 1912, the Faculty received a communication from the Board of Trustees stating that on the Faculty's recommendation (Faculty's recommendation of May 12, 1911), the degree of Bachelor of Science had been established in the College of Agriculture.

ENTRANCE REQUIREMENTS. (Action of May 31, 1912). The entrance requirements in the Colleges of Mechanical Engineering, Civil Engineering, and Agriculture were so modified as to permit the acceptance of three units in any one of the following languages: Latin, Greek, French, German, Spanish, or Italian.

UNIVERSITY OF MICHIGAN. (Action of May 31, 1912). Professor Jeremiah Whipple Jenks was appointed to represent the Faculty at the seventy-fifth anniversary of the foundation of the University of Michigan and the following congratulatory address was approved:

To the University of Michigan, Cornell University sends greetings and felicitations on the seventy-fifth anniversary of her foundation.

Cornell congratulates the eldest of the State Universities of the Middle West on the completion of three-quarters of a century of sound educational achievement and wise leadership, on her distinguished services to the Republic of Letters and to the Civic Commonwealth. Mother of statesmen, scientists, humanists, she has contributed much to the civilization of the continent through the labor of her sons.

Cornell owes a special obligation to her sister University for the enrichment of her teaching staff and for the first and second incumbents of her presidency, Andrew Dickson White and Charles Kendall Adams, by whom the ideals of Michigan were carried to the younger institution. These personal ties are further strengthened by President Harry Burns Hutchins, a former member of the Cornell Faculty, and to him are extended hearty good wishes and congratulations.

It is peculiarly fitting that on this happy occasion Cornell should delegate Jeremiah Whipple Jenks, an alumnus of the University of Michigan of the class of

1878, now Professor of Economics and Politics, to bear this message to his alma mater.

THE ROYAL SOCIETY. (Action of May 31, 1912). Professor John Henry Comstock was appointed to represent the Faculty at the two hundred and fiftieth anniversary of the foundation of the Royal Society, July 12-18, in London, and the following congratulatory address was approved:

Universitas Cornelliana Societatis Regalis Londiniensis praesidi concilio sodalibusque salutem plurimam dicit. Vobis, viri doctissimi, ex animo gratulamur quod societas vestra annos ducentos quinquaginta peregit laboribus abundantes qui famam vestram gloriamque ad ultimas oras pertulerint. Summa quidem voluptate cum ceteris universitatibus orbis totius terrarum matris societatum omnium quae ad scientiam naturalem potissimum spectant promovendam diem natalem reverentes concelebramus. Consilia eorum qui die illo memorabili abhinc tot annos fundamenta vestra legerunt vos summa cum laude exsecuti estis atque indagacionis rationes veras legesque inter omnes gentes splendidissime promovistis. Nos Americani vobiscum non lingua solum communi sed etiam eisdem sententiis animisque conjunctissimi quodam modo sentimus viros illustres illos innumerabiles qui annales vestros nominibus illustraverint quosque vos incitatos coronaveritis nobis quoque ipsis esse honori gloriaeque. Quod vos et illi tempore praeterito exemplum tam insigne ceteris ad imitandum proposuistis nos quidem gratiam habemus merito infinitam. Quod ad posteros pertinet speramus quin etiam confidimus societatem vestram annis cedentibus saeculisque beneficia generi toti humano benignius etiam atque copiosius esse diffusuram.

Cuius Societatis in honorem Johannem Henricum Comstock entomologiae in universitate nostra professorem mittebamus qui illis diebus felicibus faustisque mensis Iulii proximi nostro ipsorum nomine interesset gaudi vestri particeps votorum nostrorum interpres atque voluntatis amicissimae.

D. VIII K. Apr. A. D. MDCCCCXII Ithaca ex civitate Noveboracensi.

II. THE FACULTY'S STANDING COMMITTEES

I. ADMISSION BY CERTIFICATE (Professor A. B. Faust, chairman)—During the year 1911-1912 the number of schools using the certificate privilege was 274, the number of students admitted by certificate was 565. This represents a slight increase over the preceding year. The following table illustrates the increase of admission by certificate between the years 1903-1911, together with the record made by the schools accorded the certificate privilege and the students admitted by this method:

| | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 |
|---|------|------|------|------|------|------|------|------|------|
| Schools using certificate privilege..... | 167 | 154 | 175 | 171 | 223 | 262 | 264 | 265 | 274 |
| Students using certificate privilege..... | 277 | 311 | 376 | 327 | 459 | 510 | 586 | 528 | 565 |
| Schools—no mark below a pass..... | 91 | 72 | 82 | 107 | 102 | 77* | 107* | 133* | 111* |
| Students—no mark below a pass..... | ? | ? | 235 | 190 | 252 | 248* | 293* | 325* | 291* |

(*These years include Drill and Gymnasium marks not heretofore recorded.)

From this table it appears that the record of the students admitted by certificate was not as good in 1911 as it was in 1910, but that it was better in 1911 than in 1909. The standard applied in the table is a high one, a single condition in any subject (including Gymnasium and Military Drill) excluding the school and student from the list. Taking this fact into consideration, it may be said

that the record of students admitted by certificate for the past three years has been very satisfactory, and the record argues for the continuance of this system of admission.

A number of schools from which the certificate privilege had been withdrawn, gave evidence, through very satisfactory records of students subsequently sent to Cornell, of much improved standards of work. For such reasons five schools were reinstated in the certificate privilege. Six schools were warned that the records of their pupils were not satisfactory, and a large number of schools that had sent no pupils since the time of their receiving a warning were kept on probation. As usual the Secretary of the Committee sent to each school having the certificate privilege a complete record of the scholastic work of each student sent to the University.

The Committee has been cautious about granting the certificate privilege to schools in New York State, where examinations offered by the Regents', the College Entrance Board, and by Cornell University provide satisfactory and abundant opportunities for satisfying the entrance requirements. The reasons for this policy are stated fully in the President's Report of 1910-11, Appendix I, p. vi.

2. RELATIONS TO SECONDARY SCHOOLS (Professor G. P. Bristol, chairman)—The Committee has made no changes in its general policy during the year 1911-12, and no new aspects of the University's relations to secondary schools have called for attention.

3. UNIVERSITY UNDERGRADUATE SCHOLARSHIPS (Professor W. A. Hammond, chairman)—During the year thirty-five undergraduate scholars were in residence, eighteen of the class of 1914 and seventeen of the class of 1915. One scholar of the class of 1915 was given leave of absence at the beginning of the second term on account of illness.

The general average of all thirty-five scholars in class marks (registered hours) for the academic year was 84%. The highest average mark made by a single scholarship holder was 92.8% and the lowest average of a single scholar was 76%. The Committee has made special efforts to promote the highest possible type of scholarship amongst these University beneficiaries and every scholar whose average marks have fallen below 85% has been warned that his standing is unsatisfactory.

The Committee has interpreted the statute (General Circular of Information, p. 29) debarring students who have been previously registered in the University from competing for an undergraduate scholarship as applying to registration in the Summer Session.

4. EXCUSES FROM PHYSICAL TRAINING (Professor W. A. Hammond, chairman)—The two departments of Physical Culture for men and women, and the Department of Military Science and Tactics report on the work controlled by this Committee as follows:

a. Department of Physical Culture for Women. The total number of women students who have reported at the Sage Gymnasium to comply with the University requirements in physical training was 218.

| | |
|---|-----|
| Attended classes in gymnastics and athletics..... | 155 |
| Under individual supervision on prescribed schedules..... | 35 |
| Excused because of outside labor..... | 21 |
| Excused for part of the year, otherwise attending regular classes.... | 7 |
| Total..... | 218 |

b. Department of Physical Culture for Men. The total registration in the department was 1075.

| | |
|---|----|
| Excused because of physical disability..... | 32 |
| Excused because of outside labor..... | 4 |
| Total..... | 36 |

c. Department of Military Science and Tactics. The aggregate number of cadets in the cadet corps on April 29, 1912, was 654.

Made up as follows:

| | |
|---|-----|
| Freshmen taking required drill..... | 548 |
| Volunteers from sophomore, junior, and senior classes electing drill..... | 106 |
| Total..... | 654 |

Total number of men students in the freshman class, less three year students, specials, and veterinary students, of whom drill is not required by University statute.....

1061

| | |
|--|-----|
| Total number of freshmen taking drill, as above..... | 548 |
| Remainder..... | 513 |

The above remainder is made up as follows:

| | |
|--|-----|
| Excused for athletics..... | 76 |
| “ “ physical disability..... | 51 |
| “ “ labor..... | 178 |
| “ as aliens..... | 35 |
| “ Quakers..... | 3 |
| “ by Committee..... | 4 |
| Passed up because of military work at other schools..... | 41 |
| Total excused..... | 388 |
| Defaulting in drill..... | 125 |
| | 513 |

Excused from corps for athletics:

| | |
|---|----|
| Track..... | 35 |
| Crew..... | 24 |
| Lacrosse..... | 5 |
| Baseball..... | 8 |
| Assistants in Department of Physical Culture..... | 4 |
| Total..... | 76 |

5. COMMITTEE ON STUDENT AFFAIRS (Professor W. W. Rowlee, chairman)—The Committee's work includes the regulation of student organizations and the administration of discipline.

1. Student Organizations. The Committee has given careful consideration and oversight to student enterprises and has regarded itself as responsible for events involving outside student activities both at home and abroad.

Ten years ago students engaged in major sports and particularly in football frequently allowed themselves to be drawn away from their regular University work to such an extent that they were dropped for poor scholarship. Now, thanks in large part to a healthier attitude toward athletic games, to which the Committee's influence has largely contributed the percentage of athletes dropped is not higher than the general average.

In our efforts to supervise student activities, we frequently face the difficulty of regulating activities not under the administration of the Athletic Council nor of any other organization. A sub-committee carefully considered all aspects of this rather perplexing problem, and particularly student representation in athletics in the summer months and student representation in outside events during the college year, and submitted a report which the full Committee adopted as follows:

1. The Faculty rules governing student organizations say nothing about a student's competition in any amateur contest at any time of the year. The Athletic Council, however, has a rule that no student may compete as an amateur in any contest between registration day in the Fall and the end of examinations in June, except as representatives of Cornell on some Cornell team. The only way, of course, in which the Council can enforce this rule is to bar an offender from its teams.

As the rules now stand, therefore, a man may compete during the summer as an amateur in competition with amateurs and there is nothing in the rules of either the Faculty or the Athletic Council to prevent him from doing this either unattached or as a member of some amateur organization. He must not, however, enter his name as representing Cornell during that time.

2. We are inclined to hold that the rule of the Athletic Council is a good one and that a man breaking it should lose his right to compete for a Cornell team of any kind. There are, however, two classes of men which the enforcement of such a rule does not affect:

- a. A man who has competed three years on 'Varsity teams and who for some reason or other is an undergraduate for one or more years after that time.

- b. A man who never offered himself as a candidate for any Cornell team, but who during his college course competes as the opportunity offers in outside events either as an amateur or as a professional.

Both classes of men should, of course, be prohibited from using the name of Cornell under any circumstances, and no leaves of absence should be granted for such events. But it is questionable whether anything can be done beyond that without coming close to interference with personal liberty. It is, of course, almost impossible in the case of a man who has been a well known Cornell athlete to prevent the newspapers from calling him a representative of Cornell, even if he represents merely himself, but the only remedy for that would be a Faculty rule that no student may compete in any athletic event during the college year except as a member of some Cornell organization. Such a rule would be far reaching. It would, if strictly interpreted, touch such matters as membership in bowling teams, etc., and almost at once a differentiation between all sorts of teams would be called for, making the enforcement very difficult. Fortunately, cases of competition of this type are rare and it is believed that the present Faculty and Council rules are quite adequate to prevent this matter from ever becoming an evil.

2. Discipline. Early in the year the University Faculty with the approval of the Trustees extended the powers of the Committee on Student Affairs by delegating to it all disciplinary powers, including expulsion. The Committee's Code of Discipline is as follows:

- I. Expulsion: The severest punishment meted out by the University, imposed only for the most flagrant offenses and requiring the affirmative vote of at least four-fifths of the full membership of the Committee.

II. Removal without prospect of readmission: Indefinite dismissal from the University, with no encouragement that the offender will be readmitted by petition or otherwise.

III. Suspension: Usually with the statement that no petition for reinstatement will be entertained before a given date. A certificate of good conduct during the period of suspension may also be required.

All members of the University Faculty shall be notified confidentially when a student is expelled, removed, or suspended.

IV. Parole: With forfeiture of privilege of representing the University on any student organization, or individually, either at home or abroad.

V. Parole: Without limitations as to student activities.

Whichever mode of parole is imposed, the student is to be paroled in charge of the Dean of his College, or of some person designated by him. Term of parole to be a definite period.

VI. Reprimand: Imposed by the Committee through its Chairman. Formal and rigorous condemnation of misconduct.

VII. Cancellation of credits: Imposed only where such credits are dishonestly obtained.

VIII. Censure: This to include admonition and advice.

IX. No cause of action and dismissal of charges.

X. Exoneration.

Prevention and punishment for dishonesty in academic work has received the serious consideration of the Committee. Uncompromising honesty is such an essential factor in character-building that the lesson should be taught at every opportunity. The Committee has uniformly punished dishonest acts whenever and wherever they appeared. They are opposed to the policy of giving a first offender in fraud immunity, although some distinction is made between freshmen and upper-classmen in imposing punishment.

The enlargement of the powers of the Committee has led to a consideration of the procedure under which it would best carry on its work. After consultation by correspondence with all members of the University Faculty, the Committee took the following action:

I. Attention is called to the fact that full power to inflict penalties for disciplinary purposes has been delegated by the Faculty and by the Trustees of the University to the Committee on Student Affairs. Hence no such penalties may be imposed by colleges, departments, individual officers, or groups of students.

II. The Committee will consider any case referred to its Chairman, by individuals, departments, or committees. It is suggested, however, that minor matters of behavior in class rooms or buildings, or inattention to rules regarding use of University property, may, in most cases, be satisfactorily handled by the officer of the University noticing the offence and should be brought to the Committee only when the student is not amenable to advice or warning. When the officer, in dealing with these minor offences, chooses to offer the student a personal arrangement, such as cancellation of credit or completion of additional work in a course, the student shall have the option of accepting the proposed arrangement or of having the case brought to the Committee on Student Affairs. Such acceptance should be in writing and should be filed by the officer concerned with the Chairman of this Committee for his information.

III. The Committee will make no distinction between fraud in preliminary and in final examinations.

IV. In colleges of the University where the faculty has approved an honor system, the Chairman of the Student Committee shall report its findings and recommendations to the Committee on Student Affairs. If the offender accepts the recommendations and findings of the Student Committee, such acceptance should be in writing and should be filed with the Chairman of the Committee on Student Affairs. If he is not willing to accept the penalty proposed, he shall be granted a

hearing by the Committee on Student Affairs in the same manner as when summoned at the request of a University officer. It shall be the duty of such a Student Committee in every case to inform the offender of his right to appeal to the Faculty Committee.

V. Students on trial by the Committee shall have the opportunity to confront all witnesses and hear all testimony in the case, but neither witnesses nor accused student shall remain during the discussion after the completion of the evidence.

VI. All members of the University Faculty shall be notified confidentially when a student is suspended, removed, or expelled.

VII. Expulsion shall require the affirmative vote of at least four-fifths of the full membership of the Committee.

VIII. Change of policy shall be published at least three months before going into effect.

Respectfully submitted,

WM. A. HAMMOND,

Secretary of the University Faculty.

APPENDIX II

REPORT OF THE DEAN OF THE GRADUATE SCHOOL

To the President of the University:

SIR: I have the honor to submit herewith my report as Dean of the Faculty of the Graduate School for the year 1911-12.

GENERAL

While the registration of graduate students both in the regular session and in the summer session was greater in 1911-12 than in any previous year, there has been a considerable decrease in the number of seniors who registered in the Graduate School after the completion of their work for the first degree, so that the total registration for the year shows only a slight increase. The decrease in the number of seniors is, of course, partly explained by the fact that degrees were conferred in February as well as in June.

The rapid increase in the number of graduate students specializing in the biological sciences, which was pointed out in my report last year, still continues; the number for the present year being 118, as compared with 104 in 1910-11 and 77 in 1909-10. The number of students whose major subject lies in Group B (History, Political Science, Philosophy) also shows a substantial increase. On the other hand, the number of students specializing in the physical sciences and in engineering has slightly decreased, while the number of students in Group A (Languages and Literatures) remains practically unchanged. Detailed statistics are given at the close of this report.

There was a considerable increase in the number of advanced degrees conferred in the year 1911-12, as compared with the two preceding years, the total number being 92 for 1911-12, as compared with 66 and 69 respectively for the two preceding years. Thirty-six Doctor's degrees were conferred. This is the largest number of Doctor's degrees that has ever been conferred in any one

year by this University. And I believe the total number of advanced degrees conferred is also greater than in any previous year.

During the year 1911-12, two graduate students, candidates for the A. M. and Ph.D. degrees respectively, carried on their graduate work in the Medical College in New York City. Graduate work has for the first time been offered in several different lines in the New York branch of the Medical College, and a statement of the opportunities for such work is included in the Announcement of the Graduate School for 1912-13. In view of the excellent facilities which are possessed by the Medical College in New York for advanced work and research in lines connected with medicine, it is particularly gratifying that the Faculty have taken action which will make these facilities more generally available.

There has been a steady increase during the past three years in the number of graduate students who are not candidates for advanced degrees. Such students are allowed to take whatever work they may look upon as best suited to their needs, subject in each case only to the approval of some member of the Faculty who acts as their adviser. Some of these students are not eligible for candidacy for an advanced degree on account of the inadequacy of their preliminary training. As I pointed out in my last report, a graduate of another college will be admitted to the Graduate School, (but not to candidacy for an advanced degree) if his training is accepted as being less than one year short of that required for one of our first degrees. The number of students admitted in this way is, however, surprisingly small. Of the 46 graduate students who are not candidates for advanced degrees, 40 were admitted to the Graduate School in full standing and might be candidates for the A.M. or Ph.D. degree if they desired. Of these, many are doing work which is largely undergraduate in character but along different lines from those in which they did their chief work before graduation. Such students doubtless feel that the particular undergraduate work they select is more important for their purposes than another degree. Others have been attracted by the opportunities for advanced work along agricultural lines, and wish to obtain our degree of M.S. in Agr.; but because of the fact that their undergraduate course was of a general character, they lack the special training which would make them eligible for candidacy for that degree. Such students frequently enter as "graduate students not candidates for a degree", and devote a year or more to laying a broad foundation for advanced work in some special field. A number of graduate students who hold the A. B. degree from colleges of high standing, and who might by specializing obtain our A. M. degree in one year, have preferred to devote two years or more to their work in order to obtain the degree of M. S. in Agr. Like other technical degrees, the degree of M. S. in Agr. has the advantage of being more definitely significant than the degree of A.M.; for it means not only specialization in some one subject connected with agriculture, but also general training along agricultural lines equivalent to that required for our first degree in agriculture.

In talking with graduate students I have been struck with the number of cases in which students enter the Graduate School after somewhat extended experience in teaching or professional work. On our admission blanks a request is made for a statement of the candidate's occupation since graduation, so far as this has any bearing upon graduate work, so that information on this point is available in the

case of all students entering the Graduate School during the past three years. I find that of the 337 candidates for advanced degrees in attendance during the year 1911-12, less than one half (162) entered the Graduate School immediately after receiving their first degree. Of the remaining 175 about one third (57) had done graduate work elsewhere before coming to Cornell; nearly one half (82) had had more or less extended experience in teaching; and about one fifth (35) had been engaged in professional work in lines closely connected with their graduate study, for example, in some branch of engineering, or in one of the scientific bureaus at Washington.

I was surprised to find that there was a considerable difference between our own graduates and graduate students from other colleges in this regard. Of the 151 Cornell graduates in the Graduate School only 18 have had experience either in teaching or professional work, and only 3 have done graduate work elsewhere before entering our Graduate School. In other words, only 12 per cent of the Cornell graduates now in the Graduate School have had professional or teaching experience before returning for graduate study, while 55 per cent of the graduate students from other colleges have had such experience. Doubtless some have failed to give any statement of their occupation since graduation, so that the percentages are in reality larger than they appear from the records. But the general correctness of these figures is confirmed by a consideration of the dates of graduation. Of the 151 Cornell students, 120, or 79 per cent, entered the Graduate School immediately after receiving their first degree; of the remainder, 24 returned for graduate work within five years, and 7 after five years or more. On the other hand, only 42 graduates of other colleges (23 per cent) entered the Graduate School immediately after graduation; 91 (49 per cent) after at least one year but less than five years; and 52 (28 per cent) five years or more after graduation. Of these, 13 entered the Graduate School more than ten years after receiving their first degree.

The reasons for this surprising difference are by no means clear; doubtless many factors enter. But it would certainly appear that the opportunities for advanced study that are offered by our Graduate School are not so generally appreciated by our own as by other alumni. During the coming year I intend to bring the matter to the attention of the Faculty, and hope that some means may be found of keeping our alumni informed of the work of the Graduate School and of the opportunities which it offers to those who feel the need of further study.

GRADUATE WORK DURING THE SUMMER

On December 17, 1909, the Faculty adopted a resolution authorizing such members of the Faculty as desired to do so to offer summer work for graduate students (see Appendix III to the President's Report for 1909-10, p. xvii), and such work, if carried on under the conditions specified in the resolution, has since been allowed to carry residence credit for an advanced degree. The summer work contemplated in the resolution is entirely independent of graduate work offered in the Summer Session. My impression is that the results of the new policy have been highly satisfactory. Summer work has been carried on under the provisions of the resolution chiefly by two classes of graduate students, (1) those whose work is of such a character that the conditions during the summer

are especially favorable for its prosecution, for example, those who are engaged in investigation work in certain of the biological sciences; and (2) members of the teaching staff, who gain in this way an opportunity for uninterrupted study.

The purpose of the Faculty's action was not to shorten the time required for obtaining an advanced degree, but merely to permit the substitution of summer work for work during the regular academic year, when such substitution was looked upon by the special committee as desirable. The original resolution therefore contained a clause to the effect that "no graduate student shall receive credit for more than two terms' residence during any twelve consecutive months". It has been found that in many cases this restriction defeats the main purpose of the resolution and works a hardship on the student. The General Committee, therefore, brought the matter before the Faculty with the recommendation that certain changes be made in the wording of the original resolution. As amended by the Faculty, on November 22, 1911, the resolution reads:

Members of the University Faculty who may desire to offer summer work for graduate students are authorized to do so; and students taking such summer work under the personal direction of the member of the committee having charge of the work may, at the discretion of their special committee, be relieved from residence during an equal part of the university year. But no student who offers summer work as above will be recommended for a degree at an earlier date than if all the work had been done in the regular sessions of the academic year.

On a few occasions the General Committee has allowed residence credit for summer work done away from Ithaca, provided that the conditions for graduate work were particularly favorable, and that a member of the candidate's special committee was on the ground to direct the work. Such credit was granted, for example, in the case of graduate students who accompanied Professor Tarr on his geological expeditions to Greenland and Alaska. Cases occasionally arise where it would seem proper to allow credit even where no member of the candidate's special committee is present. A student of history, for example, may find that the sources which he must consult in the preparation of his thesis are contained in public archives or in some foreign library. If his preparation is sufficient, work of this kind can be satisfactorily done without the immediate supervision of his special committee. Or a suitably prepared graduate student may obtain the data for his thesis while accompanying some scientific expedition in which no member of his special committee takes part. While it is contrary to our general policy to allow residence credit for work not done under the immediate personal supervision of a member of this Faculty, the General Committee felt that cases of this kind might occasionally call for exceptional treatment, and therefore recommended the following action, which was adopted by the Faculty on November 22, 1911:

Instructors who are candidates for an advanced degree may receive credit for work performed without compensation during the summer months away from the University, provided that the candidate receives in advance the approval of the Dean of the Graduate School, and that the member of the candidate's committee having charge of such work approves of the conditions under which the work is done; and provided further that on completion of the work a satisfactory report is presented to the member of the committee who approved the application.

It will be observed that the above action applies only to graduate students who are at the same time instructors in this University. The new policy makes it possible for such students, by devoting a considerable part of the summer to

graduate work under the conditions specified, to obtain full residence credit instead of three-quarters credit as at present.

THESIS REQUIREMENT FOR THE MASTER'S DEGREE

Our requirements for the Master's degree include at least one year of resident graduate work at Cornell University after admission to candidacy; the presentation of a thesis which is accepted by the chairman of the candidate's special committee; and the passing of an examination on the major and minor subjects, and on the subject matter of the thesis. During the past year the General Committee was requested by two members of the Faculty to consider the advisability of making the thesis requirement for the Master's degree optional with the special committee in each case. After the matter had been discussed at some length in the Committee, it was voted to refer the proposed change to the several groups of the Faculty for consideration, with the request that the groups report the result of their consideration to the General Committee. Meetings of the five groups were therefore held, and in each group, after discussion, a vote was taken to indicate the sentiment of the members. Groups A (Languages) and C (Physical Sciences) voted in favor of the proposed change, while Groups B (History, Political Science, Philosophy), D (Biological Sciences), and E (Engineering) voted against it.

It was argued by those favoring the change that in the short time of one year it was frequently quite impossible for a graduate student to get sufficient familiarity with his subject to undertake with profit a piece of investigation that would be suitable for a thesis; and that even in cases where this was possible it would often be more advantageous to the student to devote his time to course work. It was pointed out also that many of our more mature graduate students, especially in scientific lines, have done a considerable amount of investigation before beginning graduate work and need especially, work which will broaden their knowledge of their speciality and make them familiar with the methods and results in related fields. It was further pointed out that the thesis requirement for the Master's degree has been abolished in several other universities. By those opposing the change, it was argued that if the thesis requirement were made optional there would inevitably be strong pressure upon members of the Faculty to omit the thesis in all cases, and the Master's degree would soon come to stand for merely a fifth year of undergraduate work. It was felt that after a student has listened to lectures and taken part in recitations for four years in the high school and four years more in college, it is time for him to do something different; and that ability to do independent work and to present results in acceptable form should be just as essential a requirement for an advanced degree as knowledge. To the argument that the Master's degree was becoming a "teacher's degree", the reply was made that the spirit of inquiry and the power of independent work are more important in the teaching profession than in any other, since it is largely through the influence of the teacher that these qualities are developed in the student.

After further discussion the General Committee recommended to the Faculty:

That there be added after the word "thesis" in the statement of the requirements for the Master's degree, the words "or essay, as the chairman of the special committee may decide".

The foregoing recommendation was adopted by the Faculty on April 26, 1912.

The change in the wording of the requirement meets the objections pointed out by those who were in favor of making the thesis optional, since the preparation of an acceptable essay, not necessarily based upon investigation, should ordinarily occupy only a small part of the candidate's time. On the other hand, by requiring either a thesis or an essay in all cases we adhere to the principle that no advanced degree will be conferred until the candidate has given evidence of his ability to do independent work and to present his results in satisfactory form.

GENERAL FACULTY LEGISLATION

It has been our practice to hold final examinations for the degree of Doctor of Philosophy at the close of the required period of residence, and after the candidate's thesis has been accepted by the chairman of his special committee. At the meeting of February 17, 1911, the Faculty requested the General Committee to consider whether our practice might to advantage be modified in exceptional cases so as to permit the examination to be taken before the final completion of the thesis. Upon the recommendation of the General Committee, the Faculty on November 24, 1911, adopted the following rules in regard to the examination for the Doctor's degree:

1. Under the regular procedure the final examination for the Doctor's degree follows the acceptance of the thesis and is held not earlier than the close of the sixth term of residence. If, however, the special committee certifies to the Dean that the candidate has made satisfactory progress on his thesis and that it would be of advantage to have the examination precede the presentation of the thesis, the Dean shall set a date for the examination not earlier than two weeks before the end of the fifth term of residence. If this earlier examination be passed, it must be followed by an examination of the general subject matter of the thesis when the completed thesis is presented.

2. In the event of failure in this earlier examination, no re-examination shall be held earlier than three months after the expiration of the minimum period. This re-examination shall be a full examination on both the major and the minor subjects.

3. In any case, the thesis, when completed, shall be submitted to each member of the candidate's special committee for critical inspection, and each shall have the right to participate in the final oral examination of the candidate upon the general subject matter of his thesis.

At the eighth conference of the Association of American Universities in 1906, it was voted to recommend that the election of Fellows take place as nearly as possible simultaneously in the several universities composing this Association, and the week ending March 24th was suggested as a desirable time for such elections. The last date for receiving fellowship applications has since been adjusted in a large number of the universities belonging to the Association so as to conform, at least approximately, to this recommendation. Cornell University, however, has still retained its later date, April 15th. On November 24, 1911, upon recommendation of the General Committee, the Faculty voted to recommend to the Board of Trustees:

To amend paragraph 4 of the statute in regard to fellowships and scholarships by making March 15th the last date on which applications for fellowships or scholarships may be received (instead of April 15th as at present).

At the same meeting, also upon recommendation of the General Committee, it was voted to recommend to the Board of Trustees:

To add a new paragraph to the statute in regard to fellowships and scholarships reading as follows: "Upon the recommendation of the Faculty of the Graduate School a university fellowship may be divided for a single year into two graduate scholarships, the value of each to be one half that of the divided fellowship. But no fellowship may thus be divided oftener than once in two years".

These recommendations were adopted by the Executive Committee of the Board of Trustees on December 5, 1911.

In December, 1910, the Faculty adopted a rule requiring that candidates for the Doctor's degree should show to the satisfaction of their special committees that they possess a reading knowledge of French and German before entering upon their second year of residence. At the meeting of November 24, 1911, the General Committee recommended that the new requirement go into effect in September, 1912, and that it apply to all candidates for the Doctor's degree who begin their second or any later year of residence at that time. The Faculty voted:

That the recommendation of the General Committee be adopted as a principle, and that the General Committee be charged with the administration of the rule in particular cases which may arise during the period of transition, and that these cases be treated liberally.

Although definite requirements have been established for admission to candidacy for the different advanced degrees conferred by Cornell University, the only restriction upon the candidate's selection of his major and minor subjects is that they shall be substantially different subjects and in charge of different members of the Faculty. So far as any faculty action is concerned, therefore, the work leading to an advanced degree is not restricted to any particular field of knowledge or to work of any specified type. While this policy represents a logical application to graduate work of the principle of free election, and is apparently in accord with the predominant sentiment of the Faculty so far as the degrees of Master of Arts and Doctor of Philosophy are concerned, it involves the possibility of absurd results if applied to our advanced technical degrees. It would seem hardly proper, for example, to confer the degree of Master of Mechanical Engineering for graduate work in modern languages, or the degree of Master of Science in Agriculture for work in Philosophy. Of course no cases of this kind have arisen; nor is it likely that they will arise. But it seems proper that the Faculty should in some way recognize the fact that the technical colleges have a special interest in, and responsibility for the corresponding advanced technical degrees. The attention of the General Committee was directed to this matter by the Engineering Group of the Faculty, and upon recommendation of the Committee, the Faculty, on November 24, 1911, took the following action:

If a candidate for the degree of M.M.E., M.C.E., M.Arch., or M.S. in Agr., has as chairman of his special committee a member of this Faculty not in the college specially interested in the degree in question, the Dean will ascertain from the faculty of that college whether the work as planned is deemed suitable for that degree. If the answer is in the negative, the Dean will request the student to become a candidate for a different degree or else to change his plan of work so that it may be acceptable to the professional college.

As constituted by the Board of Trustees, the Faculty of the Graduate School consists only of those engaged in supervising the work of graduate students as members of the special committees in charge of the major and minor subjects.

At the request of a member of the General Committee, who was no longer a member of any special committee, the Dean asked the Faculty at the meeting of April 26, 1912, to decide when the term of a member of the General Committee should end in such a case. It was voted:

That a professor or instructor who is a member of a special committee for a portion of any academic year is entitled to continue as a member of this Faculty for the remainder of the year, and that the term of a member of the General Committee shall end at the time he ceases to be a member of the Faculty.

At the meeting of June 12, 1912, the following requirements for admission to candidacy for the newly established degree of Master in Forestry were adopted by the Faculty, subject to such verbal changes as might be made by the Dean and the General Committee:

1. The candidate's training must be accepted as substantially equivalent to the first four years of the professional forestry course given in the College of Agriculture of Cornell University.

2. The candidate must have had at least three months' experience in forestry work or in a logging camp, satisfactory proof of which is to be by a signed statement, or an examination in woodmanship, or both.

At the meeting of April 26, 1912, Professor Virgil Snyder was elected member at large of the General Committee to succeed Professor L. M. Dennis, whose term expired May 1, 1912.

Statistics connected with the work of the year 1911-12 are contained in the attached tables.

Respectfully submitted,

ERNEST MERRITT,

Dean of the Faculty of the Graduate School.

STATISTICS OF ATTENDANCE

During the year 1911-12, including the summer of 1911, 383 graduate students were registered in the Graduate School. The following table shows the registration for 1911-12 as compared with that for 1910-11 and 1909-10:

| | 1911-12 | 1910-11 | 1909-10 |
|------------------------------|---------|---------|---------|
| Regularly registered..... | 334 | 320 | 269 |
| Arts seniors (7 terms)..... | 15 | 24 | 19 |
| Agricultural seniors..... | — | 4 | — |
| M.E. senior..... | — | 1 | — |
| Medical College (N. Y.)..... | 2 | — | — |
| Summer Session..... | 24 | 16 | 16 |
| Summer only..... | 8 | 5 | — |
| In absentia..... | — | 2 | 5 |
| Total..... | 383 | 372 | 309 |

Arranged according to the degrees for which they were candidates:

| | 1911-12 | 1910-11 | 1909-10 |
|--|---------|---------|---------|
| Doctor of Philosophy | 170 | 166 | 157 |
| Master of Arts | 86 | 92 | 72 |
| Master of Science in Agriculture | 43 | 32 | 24 |
| Master of Mechanical Engineering | 20 | 33 | 21 |
| Master of Civil Engineering | 16 | 11 | 8 |
| Master of Architecture | 2 | 1 | 1 |
| Not candidates | 46 | 37 | 26 |
| Total | 383 | 372 | 309 |

Arranged according to the groups in which the major subject lay:

| | 1911-12 | 1910-11 | 1909-10 |
|---|---------|---------|---------|
| GROUP A, Languages and Literatures | 38 | 40 | 31 |
| GROUP B, History, Philosophy, Political Science | 56 | 47 | 48 |
| GROUP C, Physical Sciences | 87 | 97 | 89 |
| GROUP D, Biological Sciences | 118 | 104 | 77 |
| GROUP E, Engineering | 38 | 45 | 33 |
| Not candidates | 46 | 37 | 26 |
| In absentia | — | 2 | 5 |
| Total | 383 | 372 | 309 |

The following degrees were conferred during the year 1911-12 as compared with those conferred in 1910-11 and 1909-10:

| | 1911-12 | 1910-11 | 1909-10 |
|--|---------|---------|---------|
| Master of Arts | 23 | 14 | 16 |
| Master of Science in Agriculture | 16* | 10 | 14 |
| Master of Architecture | 2 | — | — |
| Master of Mechanical Engineering | 8 | 5 | 2 |
| Master of Civil Engineering | 7 | 3 | 2 |
| Doctor of Philosophy | 36* | 34 | 35 |
| Total | 92 | 66 | 69 |

*Three of these were conferred in February.

Among the students registered in the Graduate School during the year there were graduates of 117 different institutions distributed as follows:

| | | | |
|-------------------------------------|---|-------------------------------------|-----|
| Adelphi College | 1 | Cape Girardeau College | 1 |
| Alabama Polytechnic Institute | 1 | Carleton College | 1 |
| Albright College | 1 | Carson & Newman College | 1 |
| Alfred University | 1 | University of Chicago | 1 |
| Amherst College | 2 | University of Cincinnati | 1 |
| Boston University | 1 | Clemson College | 1 |
| Boston School of Theology | 1 | Colorado Agricultural College | 1 |
| Bridgewater College | 1 | Columbia University | 3 |
| Brigham Young University | 1 | Cornell University | 187 |
| Brown University | 1 | Dalhousie University | 1 |
| Bryn Mawr College | 2 | Dartmouth College | 2 |
| Buena Vista College | 1 | DePauw University | 1 |
| Buffalo University | 1 | Dickinson College | 1 |
| University of California | 1 | Doane College | 1 |

| | | | |
|---|---|------------------------------------|----|
| Elmira College..... | 1 | Oberlin College..... | 3 |
| Emory College..... | 1 | Ohio National Normal University.. | 1 |
| University of Florida..... | 1 | Ohio State University..... | 5 |
| Franklin & Marshall College..... | 2 | Olivet College..... | 1 |
| Georgia School of Technology..... | 1 | Oxford University (England)..... | 1 |
| German Wallace College..... | 1 | Oklahoma A. & M. College..... | 1 |
| Grinnell College..... | 1 | Pei Yang University..... | 2 |
| Hamilton College..... | 2 | University of Pennsylvania..... | 4 |
| Harvard University..... | 1 | Pennsylvania State College..... | 2 |
| Haverford College..... | 1 | Pittsburgh University..... | 1 |
| Hobart College..... | 2 | Pomona College..... | 5 |
| University of Illinois..... | 4 | Princeton University..... | 3 |
| Illinois Wesleyan College..... | 2 | Purdue University..... | 4 |
| Imperial University (Tokyo)..... | 1 | Robert College..... | 1 |
| University of Indiana..... | 3 | University of Rochester..... | 5 |
| Indiana Normal School..... | 1 | Rutgers College..... | 1 |
| Iowa State College..... | 4 | Sheffield Scientific School..... | 1 |
| University of Kansas..... | 3 | Smith College..... | 2 |
| Kansas State Agricultural College..... | 2 | Southwestern College..... | 1 |
| University of Kentucky..... | 1 | Stanford University..... | 6 |
| Kentucky State University..... | 2 | Stützerbach: Technische Hochschule | 1 |
| Kenyon College..... | 1 | Syracuse University..... | 4 |
| Lafayette College..... | 2 | University of Tennessee..... | 1 |
| Lehigh University..... | 2 | University of Toronto..... | 1 |
| University of Leipzig..... | 1 | Trinity College..... | 2 |
| University of Louvain..... | 1 | Tulane University..... | 1 |
| Maryland Agricultural College.... | 1 | Upper Iowa University..... | 1 |
| Massachusetts Agricultural College | 1 | Utah Agricultural College..... | 3 |
| Massachusetts Institute of Tech- nology..... | 3 | Vanderbilt University..... | 2 |
| Meredith College..... | 2 | Vassar College..... | 1 |
| University of Michigan..... | 6 | Virginia Polytechnic Institute.... | 1 |
| Middlebury College..... | 1 | Wabash College..... | 16 |
| University of Minnesota..... | 3 | Washington College (Md.)..... | 3 |
| University of Missouri..... | 6 | Washington University (Mo.)..... | 1 |
| Missouri Agricultural College..... | 1 | Washington University (Wash.)... | 1 |
| Mt. Holyoke College..... | 4 | Washington & Jefferson College... | 1 |
| Munich: Technische Hochschule.. | 1 | Wellesley College..... | 3 |
| University of Nebraska..... | 5 | Wesleyan University..... | 7 |
| New Hampshire College..... | 4 | Western College..... | 1 |
| New York City Normal..... | 1 | Western Reserve University..... | 1 |
| New York University..... | 1 | Westminster College..... | 1 |
| North Carolina A. & M. College... | 3 | University of West Virginia..... | 2 |
| University of North Dakota..... | 4 | University of Wisconsin..... | 3 |
| North Dakota Agricultural College | 2 | Worcester Polytechnic Institute... | 1 |
| | | Yale University..... | 4 |

APPENDIX III

REPORT OF THE DEAN OF THE FACULTY OF ARTS AND SCIENCES

To the President, of the University:

SIR: As Dean of the Faculty of Arts and Sciences I have the honor to submit the following report for the year 1911-12.

The College of Arts and Sciences, which has steadily grown in numbers since 1904-05, is now, for the first time in a decade, the largest in the University. I do not know that this circumstance connotes any especial merit on our part. Nor does it seem likely, in view of the rapid growth of the New York State College of Agriculture, that we in Arts shall long be able to claim whatever merit mere bigness may import. But I mention the fact lest I appear insensible to an event possibly momentous.

One result of our present preponderance is that the Faculty of Arts and Sciences, because there are relatively more Arts students to make demands on its time, does less of its work than heretofore for other parts of the University. On this point certain figures for the current year, compiled at the request of the Board of Trustees, have been put at my disposal. They differ slightly for the first term only of 1909-10 from those, which underlay the discussion of this question in my last report. The difference, however, is but slight. It appears to be still true that, as said of 1909 (Report, 1910-11, p. xxiii), "our Faculty teaches more professional students [30,812 student hours] than it does Arts students" [28,438 student hours]. Taking the departments in Goldwin Smith Hall separately, it appears that even here nearly one-third of the teaching of the Arts Faculty (9,303 out of 28,611 student hours) goes to professional students. These figures directly support my assertion of last year that "all divisions of the University will of necessity profit directly as well as indirectly" by the Goldwin Smith bequest. They are a sufficient ground for the interest manifested throughout the University in the event of the past year which must, in the long run, have a greater influence than any other upon this College, in the provisions, that is, by which the Board of Trustees have applied the Goldwin Smith Fund to "the promotion especially of liberal studies".

So far as the domestic economy of the College is concerned, the year 1911-12 has produced no radical departures, and this report, after describing the legislative changes effected with respect to the guidance of underclassmen, the system of registering for courses, the extension of Summer Session credit, and the provision about senior residence, will comment upon the novelty of mid-year graduation, will review during a period of several years the subjects of University Scholarships and upperclass majors, and will conclude with the customary statistics regarding absence and delinquency.

UNDERCLASS ADVISERSHIPS

In preceding reports (1908-09, pp. xlv-xlvii; 1909-10, pp. xxxv-xxxviii) some account has been given of the work of the Administrative Board in Charge of Freshmen and Sophomores in advising freshmen in their choice of studies and in following up their work. The Board, being a new device, have chosen to proceed deliberately in the hope of accumulating useful experience and by its aid avoiding any that would have subsequently to be undone. As a result of their experience, they concluded, apparently, that their advice, given only at matriculation, failed of complete effectiveness because it was not continuous. Accordingly the Board, working through a subcommittee, devised a system of underclass adviserships which the Faculty at its April meeting approved. Under this system, as the "Announcement of the College of Arts and Sciences, 1912-13" explains:

Each freshman and sophomore must obtain on his study card the signature of an underclass adviser before handing in the card to the Dean. Advisers will be assigned by the chairman of the Committee on Underclass Advisers, Goldwin Smith 159. The function of the adviser is to consult with the student regarding his choice of studies, to confer with him during the term regarding his work, and in general to give him such friendly counsel as he may desire.

The Board has selected some seventy members of the Faculty to serve as advisers, so that each of them need take on not more than ten underclassmen. It is hoped that, with so few advisees, each adviser may be able as well as willing to give personal attention to the students assigned to him. For it is altogether appreciated by the Board that the complete success of the plan will depend on the personal relations which may be established between advisers and advisees. These will vary, no doubt, with varying temperaments on both sides. But at the very least, underclassmen will have henceforward as continuous an opportunity of procuring advice in the election of their studies, as upperclassmen have for some years enjoyed. And in some cases, at least, it is to be expected that highly helpful relations may be established.

In order that the project may bear not even an appearance of interfering with the elective system, it has been provided that the advice given, while it may be persuasive, shall not be binding, and that an underclassman may at any time change his adviser by notifying the Dean.

CHANGE OF REGISTRATION

The system of registration experimentally put into operation in 1908, by which students are required, before the close of each term, to indicate upon study cards the courses that they intend to pursue during the ensuing term, was explained in detail by my first report (1908-09, pp. xxxii-xxxiii). It was designed to furnish foreknowledge what and how many students would be in each elective class, and in all cases to enable work to begin promptly with the new term. The device met with approval and has been introduced into other colleges of the University, even into some where the curriculum is a required one. In our use of it, however, experience developed a weakness. We allowed at the beginning of each term a period of ten days for making alterations in study cards previously filed. This period was designed to permit readjustment by any student whose

academic situation had changed (e.g., in consequence of failure in term examinations), or whose personal plans had been altered by outside incidents, between the date when his study card had been filed and that at which his courses began. At first few or no alterations were desired save such as necessary readjustments entailed, and I formed the habit of allowing all that were asked for. No sooner had this policy taken on the guise of a precedent than careless and procrastinating students began to misuse the privilege. In the first ten days of this term (February 12-22), for example, 863 changes were made, most of which could, and should, have been avoided by proper care in filling out the study cards in January. Not only did this impose much needless clerical labor on my office, but, by enabling certain students to prolong their absence from the lecture rooms, though not from the city, it obstructed the prompt beginning of work. Accordingly the Faculty, by action taken 12th April (2 Minutes, 124), cut down to a single day at the beginning of the second term the period in which alterations in study cards may be effected. At the beginning of the first term, however, when the experiences of the intervening summer may have suggested such changes of a student's plans as should be put into force only after an opportunity for consulting with his teachers, six days are allowed for alterations, a period ample, though reduced.

CREDIT FOR SUMMER SESSION STUDY

The history of summer school credit towards the A.B. degree at Cornell is a varied tale, reflecting the increased importance which, since the opening of the University of Chicago, has come to attach to vacation study in many of our American universities. Even when the Cornell Summer School was still merely the private enterprise of a group of professors, some such credit was allowed in a rather irregular way. When, in 1899, the Board of Trustees assumed full responsibility for the Summer Session, making it a part of the University, but not of any particular college, the matter was placed on a securer basis, and all regularly matriculated students in this College were permitted to earn credit, by means of Summer Session courses, if approved by the corresponding department of the College, to the extent of seven hours a summer towards the one hundred and twenty hours required for the degree. This arrangement lasted without objection for six years. But in 1905, when first the Faculty of Arts and Sciences explicitly required eight terms of residence for the degree, it was found necessary to equate the short Summer Session in some way with the full 14 weeks' term of residence. This was accomplished by a rule (Register, 1905-06, pp. 87-88) that whenever credit aggregating 12 hours had been secured in two or more Summer Sessions, one term of the residence requirement might be satisfied thereby. Under no circumstances, however, was work in the Summer Session to be accepted as the equivalent of more than one term, or to count for more than twelve hours towards graduation. Three years later the limitation of the total to twelve hours disappeared (Register, 1908-09, p. 94), but the limit of one term stood until the present year.

Meanwhile the Summer Session had greatly expanded. Its attendance had increased. Year after year new subjects were introduced. In some of them classes of an advanced character were conducted. The Graduate School had decided to allow a full year's credit towards its degrees for five Summer Sessions of appropriate work (President's Report, 1910-11, p. xvii). A portion of the Faculty of Arts and Sciences was reluctant, even under these circumstances, to double the

amount of residence credit towards the A.B. degree which Arts students might secure in the Summer Session, and the Committee on Educational Policy reported adversely upon the proposal to do so. The Faculty, however, after careful discussion, voted 8th December, 1911 (2 Minutes, p. 120), permitting a student who already had made a term's residence credit by work netting him at least 12 hours' credit in two Summer Sessions, to satisfy a second term's residence in the same manner.

This privilege of using four Summer Sessions to secure a full year's residence credit is not likely, I fancy, to be widely availed of. But it will be of use to two desirable sorts of students. First, it will enable ambitious school teachers who desire baccalaureate degrees to obtain them with less interruption, than heretofore, of their school employment. And, second, it will permit a diligent youth to complete his course in a little over three calendar years. By beginning in July with the Summer Session of, say, 1912, after finishing at his preparatory school in June, and by continuing without interruption through the three succeeding college years and the three Summer Sessions that follow them, he will, in September, 1915, have earned as completely the degree which he may then receive, as will the boy who begins the customary "four year course" in September, 1912, and does not finish it (with vacations) until June, 1916. On the other hand, lazy or indifferent students, who may be using the Summer Session to "make up" what they should have done during the college year, will be in no way favored by the change. For they do not want residence credit, but hour credit.

The question what summer schools might be used for college credit by our students is also one to which various answers have been made. For some years, only our own Summer Session was available. We found, however, that students in other institutions, who came to Ithaca for summer study, were asking and receiving credit, upon return to their own colleges; also that our students occasionally wished to attend summer schools nearer their homes, especially in New York City, and asked us for credit here in consequence. We had long admitted freely to advanced standing here, students who had attended approved institutions elsewhere for a year or more. In denying our own students opportunity to advance their standing with us by study in the summer sessions of those same institutions, we appeared to be lacking at once in self-consistency and in intercollegiate comity. Accordingly the Faculty, by action of 6th November, 1908 (Report, 1908-09, p. xi), provided that, subject to the same restrictions which apply to courses taken in our own Summer Session, courses "in summer schools elsewhere" might be counted towards the A.B. degree here if, when pursued by students regularly registered there, they would count towards the A.B. degree in the institution in which they were given. Under this generous provision we soon discovered that summer schools "elsewhere" were numerous and various, and that authentic information about details in some of them was not easy to procure. To avoid undesirable possibilities, the Faculty desired to restrict in some way the number of institutions whose summer sessions might be used for Cornell credit. The construction of an approved list, however, promised to be a difficult and even an invidious task, which was at length avoided by adopting a ready made roster. Accordingly the rule as now amended recognizes only "courses pursued in summer sessions of universities belonging to the American Association of Universities". It was the understanding of the Faculty, however, that upon

application and for reason, students might procure approval, from time to time, of summer courses to be taken for credit in other institutions also, and as a matter of fact such approval has been granted in three cases for the summer of 1912. It appears, therefore, that the diligent are by no means to lose reasonable opportunities for summer study.

Concurrently with the foregoing changes in summer credit, the Faculty eliminated from the requirements for the A.B. degree the provision, by some considered discriminative against the Summer Session, by which none of the six terms' residence necessary before a student may enjoy the senior privilege of registering also in a professional college could be satisfied by Summer Session study. It is now theoretically possible, therefore, for a Cornell student, by attending four Summer Sessions, to be registered as a sophomore in this College when first he comes under the direct jurisdiction of the College of Arts and Sciences, and after having spent but two years under their oversight, to pass under the virtually exclusive jurisdiction, so far as his studies are concerned, of the Faculty, say, of Law, or of Medicine. That any student shall make use of this possibility may be, indeed, unlikely. But its existence, and the circumstantiality and indirectness of the regulations generally about college credit for summer study, may be held to show how entirely the Summer Session has become, in everything but name, a shorter term of college. Financial obstacles apparently stand in the way of a complete recognition of this fact; but it deserves at least to be considered whether the teaching purposes of the University will not be served by recognizing it as a fact as soon as such recognition may be feasible.

THE LAST YEAR OF RESIDENCE

With increasing strictness in enforcing the rule which requires eight terms of residence for the degree, students have sought to meet the requirement in unexpected ways, some of which have received the Faculty's approval, while some have failed to receive it. The practice is of long standing with us, whereby a senior in this College may take the first year's work of some professional college, e. g., the College of Law, and, having counted it towards the A.B. degree, may procure his professional degree by completing the remainder of the professional curriculum. And as a special favor in each case, not as a precedent, this privilege has been recently extended to permit students of high standing in this College, whose homes were in New York City, to pass their senior year in residence and study in the Cornell College of Medicine there, instead of attending the Ithaca division of our Medical College. The Faculty of Arts and Sciences, however, has uniformly declined the opportunities, offered it from time to time, of recommending for our degree a former Cornell student who, after three years here, should do a year's acceptable work in a professional school of some other institution. But in one case, at least, a student was permitted, largely for reasons of economy, to pass the first term of her senior year in the Arts College of one of the state universities near her home, and to receive credit for the work done there (2 Minutes, 117-118), and in several instances, where eight terms of residence had been completed in Cornell, candidates for the degree who were still short of hours' credit have been allowed to make up the small shortage in summer sessions elsewhere. Further, under action of 5th November, 1909 (Report, 1909-10, pp. xxxiii-xxxv), a student who has satisfied all requirements for the A.B. degree except the residence requirement may,

under certain circumstances, complete his satisfaction of that requirement by registration in the Graduate School. There were, therefore, no less than six ways of satisfying, wholly or in part, the last year of our residence requirement. In hope of simplifying this confused situation, the Faculty ordered, 8th December, 1911 (2 Minutes, 120), that "The degree of Bachelor of Arts will not be conferred unless the last two of the required eight terms have been spent in Cornell University".

MID-YEAR GRADUATION

In consequence of the policy adopted by the Board of Trustees of conferring degrees at the beginning of each term as well as at the annual commencement, twenty-seven students in the College of Arts and Sciences were graduated 7th February, 1912. The reasons for mid-year graduation in their cases were various. Eight so-called "hangovers" might have graduated the preceding June had they not failed, for one reason or another, to keep up with their class. Three, coming from other institutions, had been admitted to advanced standing here upon the requirement that they complete an uneven number of terms of residence in Cornell. Six had made up a term's residence in Summer Sessions. Ten, by reason of surplus entrance credit at admission, were entitled to graduate in seven terms. The substitution of College Credit Examinations (Report, 1908-09, p. xxxiv-xxxvi) for the automatic crediting of entrance surplus will doubtless diminish the proportion of freshmen who can graduate on seven terms of residence hereafter, and, therefore, cut down the number of mid-year graduates of this type. On the other hand, the growing group of mid-year matriculants (Report, 1909-10, pp. xxxviii-xxxix) will soon furnish an increasing number of mid-year graduates.

UNIVERSITY SCHOLARSHIPS

In respect of the proportion of able students which it attracts from the preparatory schools, the College of Arts and Sciences holds an enviable record. In the ten classes '06 to '15, a total of 169 University Undergraduate Scholarships have been awarded upon competitive examinations equally open to all freshmen, whatever college of the University they may plan to enter. Out of 2,797 freshmen entering this College in those ten classes, 99, or one in 28, secured such scholarships. In the remaining colleges of the University there were 9,052 freshmen, and 70 of them, or one in 128, took scholarships.

The general ratio in this College being one University Scholarship to 28 freshmen, it may be interesting to note how men and women compare in the winning of scholarships. Precise figures for the sexes cannot be given, since I have no record of the number of men and of women by classes, but only (President's Report, 1910-11, p. lxxi) by colleges. Assuming, however, as is approximately true, that the proportion of male freshmen was the same in the freshman classes in 1902-11 as in the College at large, it would appear that on the average one scholarship was awarded among 45 male matriculants and one among 25 female matriculants. Now one quarter, nearly, of the students in this College are women, a larger proportion than in any division of the University, and it might be inferred that the evident good fortune of the College of Arts and Sciences in winning scholarships was due to the large number of women on its rolls. Examination of the figures for men only shows, however, that out of 1,868 men entering this College 62, or one in

30 of them, took a scholarship, whereas out of 8,859 men entering other colleges only 68, or one in 130, took a scholarship.

UPPERCLASS "MAJORS"

At the beginning of the junior year each student (except those in the course in chemistry, who have chosen earlier) has been required, since 1908-09, to make choice of one of twelve specified groups of studies, and to do at least one-third of his upperclass work in the group chosen. In fact most students do more than half their upperclass work in their "major subject", as they have come to call the chosen group. The following table is, therefore, not without interest:

| Upperclassmen | 1909 | 1910 | 1911 | 1912 |
|--|----------------|------|------|------|
| Absolute number | 265 | 310 | 365 | 367 |
| Proportion in each group | (Per thousand) | | | |
| 1. Ancient Languages | 68 | 77 | 68 | 46 |
| 2. Modern Languages | 181 | 146 | 142 | 103 |
| 3. English and Oratory | 152 | 151 | 166 | 123 |
| 4. Philosophy and Education | 41 | 45 | 41 | 44 |
| 5. History and Political Science | 322 | 346 | 361 | 459 |
| 6. Mathematics and Astronomy | 45 | 65 | 49 | 57 |
| 7. Physics | 38 | 6 | 23 | 11 |
| 8. Chemistry | 64 | 93 | 78 | 82 |
| 9. Botany | 22 | 16 | 8 | 8 |
| 10. Zoology | 19 | 16 | 14 | 19 |
| 11. Physiology and Embryology | 41 | 23 | 36 | 36 |
| 12. Geology | 7 | 16 | 14 | 12 |
| Total | 1000 | 1000 | 1000 | 1000 |
| SUMMARY | | | | |
| 1- 3. Linguistic and Literary | 401 | 374 | 376 | 272 |
| 4- 5. Social Disciplines | 363 | 391 | 402 | 503 |
| 6- 8. Exact Sciences | 147 | 164 | 150 | 150 |
| 9-12. Natural Sciences | 89 | 71 | 72 | 75 |
| Total | 1000 | 1000 | 1000 | 1000 |

The period covered by this table, is of necessity, a brief one, and another quadrennium of experience may altogether reverse conclusions drawn, however provisionally, from the first four years. It appears clear, however, that during those years the sciences have maintained a steady hold upon the suffrages of about one-quarter of the upperclassmen who are candidates for the degree of Bachelor of Arts, whereas about three-quarters of them turn to the humanities. Within the humanities, philosophy shows little variation and English little more, but history and political science have gained notably at the expense of the languages, both ancient and modern. The causes for this may lie in part within the College itself, though in a larger degree they are probably external to it. But whatever the reasons for the change, it is a matter of no small import that within this College the duty and privilege of mediating liberal culture to the undergraduates appear to be passing from the teachers of the "older" to the teachers of the "newer humanities".

ABSENCES

The change by which all leaves of absence issued on account of ill health come from the office of the Medical Examiners, and not from the office of a dean, has worked a welcome relief for me at least. But I welcome it still more heartily as the beginning of a moral reform, and look forward to the day when, the Examiners' professional knowledge having effectively discouraged the fabrication of illnesses, it will occur to no senior statistician to ask:

"x. Do you lie?

x + 1. Do you lie to the Dean?"

As for the rest, the remarks made three years ago (Report, 1908-09, p. xlv) upon the mutability of the table of absences then printed, apply equally to the present continuation of it. The tumescence, in 1908-09 for example, of "department excursion" and "student organizations" as statistical grounds for absence, and their subsequent deflation, indicate nothing more than a passing fancy on the part of some professors for requiring my visé upon excuses issued by their jaunting colleagues, or by the Committee on Student Affairs. In spite of the great fluctuation in the recorded figures, the number of actual absences for both reasons probably varied but little.

| Ground | 1904-05 | 1905-06 | 1906-07 | 1907-08 | 1908-09 | 1909-10 | 1910-11 | 1911-12 |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Personal illness | 56 | 48 | 37 | 151 | 640 | 1140 | 1180 | 961 |
| Illness or death in family . | 31 | 30 | 22 | 37 | 44 | 70 | 91 | 80 |
| Request of parents | 14 | 5 | 4 | 25 | 21 | 16 | 22 | 26 |
| Wedding | 18 | 13 | 7 | 14 | 28 | 10 | 32 | 26 |
| Business | 42 | 32 | 23 | 48 | 31 | 64 | 91 | 116 |
| Delegate to convention . . | 19 | 1 | — | 5 | 16 | 29 | 12 | 4 |
| Voter | 61 | 6 | 1 | 9 | 32 | 17 | 58 | 16 |
| Department excursion . . . | 29 | 7 | 7 | 6 | 140 | 96 | 47 | — |
| Examinations | 22 | 2 | 6 | 3 | 12 | 24 | 29 | 7 |
| Missed connections | 6 | — | — | 3 | — | 26 | 28 | 11 |
| Student organizations . . . | — | — | — | — | 59 | 110 | 77 | 2 |
| Religious holidays | — | — | — | — | — | — | 49 | 50 |
| Miscellaneous | 11 | 11 | 24 | 8 | 55 | 62 | 46 | 11 |
| Total | 309 | 155 | 131 | 309 | 1078 | 1664 | 1762 | 1310 |

DELINQUENT STUDENTS

This year the number of students dropped for unsatisfactory scholarship has again decreased, particularly in the second term. The decrease is not due to exceptional leniency on the part of the Faculty, for as large a proportion as usual of the "doubtful cases" brought to the attention of our Committee on Academic Records was severely dealt with. But the number that even came up for consideration was only two-thirds as large as a year ago. I understand that a similar condition prevailed in at least one other college. For this it is no easier to assign reasons now than it was a year ago (cf. Report, 1910-11, p. xxviii). I can only report the facts:

| Academic Year | Students dropped after examination | | | Students warned or put on probation | | | Aggregate for year | Total students registered | Per cent dealt with |
|-----------------|------------------------------------|-------------|-------|-------------------------------------|-------------|-------|--------------------|---------------------------|---------------------|
| | First Term | Second Term | Total | First Term | Second Term | Total | | | |
| 1904-05 . . . | 23 | 20 | 43 | 18 | 10 | 28 | 71 | 684 | 10.2 |
| 1905-06 . . . | 21 | 16 | 37 | 20 | 18 | 38 | 75 | 705 | 10.4 |
| 1906-07 | 18 | 15 | 33 | 42 | 48 | 90 | 123 | 748 | 16.4 |
| 1907-08 . . . | 21 | 21 | 42 | 24 | 21 | 45 | 87 | 820 | 10.6 |
| 1908-09 | 27 | 22 | 54 | 33 | 29 | 62 | 116 | 902 | 12.7 |
| 1909-10 . . . | 32 | 28 | 60 | 29 | 33 | 62 | 122 | 970 | 12.8 |
| 1910-11 . . . | 25 | 28 | 53 | 23 | 32 | 55 | 108 | 1017 | 10.6 |
| 1911-12 | 20 | 18 | 38 | 36 | 22 | 58 | 98* | 1031 | 9.5 |

*Two freshmen were also dropped before Christmas for persistent neglect of work in spite of warning.

The standing committees of the Faculty have given their customary attention to the business of the College throughout the year.

Respectfully submitted,

CHARLES H. HULL,

Dean of the Faculty of Arts and Sciences.

APPENDIX IV

REPORT OF THE DIRECTOR OF THE COLLEGE OF LAW

To the President of the University:

SIR: I have the honor to submit the report of the College of Law for the year 1911-12.

Professor William Albert Finch, A.B. 1880, since 1891 a member of this Faculty, died in Brooklyn, March 31, 1912. Professor Finch's health had been failing for a long period and in May, 1911 he was compelled to give up his work, hoping nevertheless that a period of rest would restore his normal strength. He was granted a leave of absence for the current year, and in February last this leave of absence was extended to the end of 1912-13. Professor Finch was a profound legal scholar and an acknowledged authority on the law of real property—the most abstruse branch of the law and the branch demanding for its mastery the closest historical investigation. His patience, his uniform kindness and sympathy, his enthusiasm in his teaching, and his mastery of his subjects commanded the affectionate respect of his students and of his colleagues.

George Gleason Bogert, A.B. 1906, LL.B. 1908, was appointed acting assistant professor and during the current year has carried all the courses in property, formerly conducted by Professor Finch. His task was rendered specially arduous by the enactment in 1911 of the New York Sales Act, which made radical changes in the law of this State relating to sales of goods. Without previous experience in teaching law he has performed an exceedingly difficult task with a high degree of success.

Two new scholarships have been established to be known as the Fraser Scholarships, in memory of Alexander Hugh Ross Fraser, late librarian of the College. They are the gift of William Metcalf, jr., LL.B. 1901, and are to be awarded annually about the beginning of the college year, to seniors whose law course has been taken entirely in Cornell University. They are awarded to students who have most fully evidenced high qualities of mind and character by superior achievement in scholarship and by those attributes of manliness which earn the commendation of teachers and fellow students. The award is made upon recommendation of the senior class by vote from a list of members submitted by the Faculty as eligible by reason of superior scholarship. The holder of the Boardman Scholarship is not eligible. While academic standing is essential to the award of these scholarships, the recognition also of high qualities of character, and the aid afforded by them to deserving students, render them a peculiarly appropriate memorial to Mr. Fraser. The Faculty wishes to record permanently its acknowledgment of the generosity and fine spirit of the donor.

Mention was made in the last report of a proposed revision of the rules for admission to the Bar of the State of New York. Such a revision has since been made. The recommendations of the associated law schools of the State were to some extent adopted, and while much remains before the ideals of the schools are to be realized, a distinct advance has been made. The term of professional study has been extended in all cases one year. Students not having the A.B. or equivalent degree are required to study four years, one year of which must be as a clerk in the office of a practising lawyer. Those who hold the A.B. or equivalent degree are permitted to take the examination at the end of three years of study, all of which may be in a law school. The continuance of the distinction as to time requirements between the graduate and nongraduate is felt by all the schools to be unfortunate, and it is to be regretted that the Court did not see its way clear to requiring of all applicants the completion of a three-year law school course. Advances in legal requirements must, however, necessarily be gradual, and hope is entertained that these two steps may be taken when the rules shall be next revised.

The minimum age of special students has heretofore been twenty years. A study of the records of special students has led the Faculty to prescribe twenty-one as the minimum age at which special students may in the future be admitted. As the admission of special students has always been within the discretion of the Faculty, and no one can reasonably claim admission as such by reason of reliance upon previously published requirements, this change was made to take effect at once.

In my last report I stated that "the registration next fall will undoubtedly show a very considerable falling off in the three-year course. This will probably be counteracted to some extent, but not entirely, by a further increase in the four-year course". The prediction as to the falling off in the three-year course was fully verified, but the increase in the four-year course proved so much greater than was expected that the total registration shows a decided increase in numbers. It is evident, therefore, that the requirement of one year of Arts work as a prerequisite to professional study has gone into effect without producing any decrease in attendance. Other causes, however, will almost certainly tend to reduce the total number of law students preparing for the Bar of the State of New York.

One of these causes is the longer period of study required by the new rules already referred to. Another is the general impression that the Bar is already overcrowded and that professional success is becoming increasingly difficult. Similar conditions exist in many other states. It seems, therefore, that the attendance in this College, if it does not actually diminish, will not long continue to increase. Should there be any increase, it will become necessary to divide some of the larger classes into sections. An increase of the teaching force will be necessary for that purpose.

The following table shows the registration in the College for the past thirteen years:

| Year | Seniors | Juniors | 4-Year 2 | 4-Year 1 | 3-Year 1 | Specials | Total |
|---------------------|---------|---------|----------|----------|----------|----------|-------|
| 1899-1900 | 52 | 61 | — | — | 61 | 4 | 178 |
| 1900-1901 | 45 | 52 | — | — | 78 | 7 | 182 |
| 1901-1902 | 34 | 71 | — | — | 86 | 7 | 198 |
| 1902-1903 | 48 | 77 | — | — | 95 | 5 | 225 |
| 1903-1904 | 53 | 76 | — | — | 109 | 3 | 241 |
| 1904-1905 | 58 | 80 | — | — | 86 | 4 | 228 |
| 1905-1906 | 65 | 69 | — | — | 83 | 4 | 221 |
| 1906-1907 | 51 | 70 | — | — | 89 | 1 | 211 |
| 1907-1908 | 48 | 68 | — | — | 85 | 5 | 206 |
| 1908-1909 | 48 | 58 | 15 | 29 | 71 | 6 | 227 |
| 1909-1910 | 49 | 56 | 22 | 54 | 70 | 10 | 261 |
| 1910-1911 | 48 | 69 | 28 | 61 | 68 | 6 | 280 |
| 1911-1912 | 65 | 80 | 47 | 102 | 25 | 12 | 331 |

In addition to the students in the College of Law, 28 students from other colleges have been pursuing law courses. Of these, 20 are taking all the first year subjects with a view to completing the courses in Arts and in Law in six years. The number of students from other colleges is greater than last year or the year before, but the increase is not sufficient to be specially significant.

Of the regular law students, 117 are from outside the State of New York. Last year there were 97; in 1909-10, 93; in 1908-09, 74; in 1907-08, 63; in 1906-07, 62; in 1905-06, 57. Some of the younger states, which a few years ago had on law schools, now have strong schools, usually connected with their state universities. There is also, I believe, a tendency among bar examiners to insist, more than formerly, upon a knowledge of local law, especially of practice. It would seem that students would therefore tend to seek instruction within the state in which they intend to practice. Such a tendency is not yet, however, discernible in our own enrollment. To meet the demands of the very considerable proportion of students residing and intending to practise in other states, it is the policy of the Faculty to point out topics wherein the law is not uniform and as far as practicable to insist that students shall inform themselves as to the doctrine in their own states.

The number of students now in attendance is 300. Of the 31 registered, but no longer in attendance, 2 transferred to the College of Arts and Sciences; 1 was graduated in February; 7 were dropped for failure in work; 1 was expelled; and 20 withdrew for various reasons. Of the 25 first-year students in the three-year course, 3 have the A.B. degree. It is noteworthy that several students who entered the first year of the four-year course, already had at least one year of college work and might have entered the three-year course had they so desired.

Mr. Edward Ecker Willever was appointed librarian to fill the vacancy caused by the death of Mr. Fraser. Mr. Willever brought to his task the experience of more than twenty years as librarian of large law libraries, and his services have been highly satisfactory. During Mr. Fraser's illness, the library fell behind in continuations of several series of current reports. It has been necessary to supply these deficiencies and also to rebind and repair a large number of volumes. For this purpose the Trustees made a special appropriation which has proved adequate for present needs. As pointed out in a previous report, the cost of binding and repairs, will however, necessarily be an increasing item.

During the winter a number of volumes of general jurisprudence, legal history, legal biography, etc., were placed in a circulating section and these volumes students may draw for home reading. This experiment, suggested by Mr. Willever, has proved very successful. The privilege has been availed of by a large number of students who have doubtless been greatly benefited. It is the desire of the Faculty that as rapidly as possible the circulating section shall be extended by the purchase of additional books suited to its purpose.

Respectfully submitted,

FRANK IRVINE,

Director of the College of Law.

APPENDIX V

REPORT OF THE DIRECTOR OF THE MEDICAL COLLEGE

To the President of the University:

SIR: I beg to present the following report upon the Medical College of Cornell University for the year ending June 1912.

The class just graduated—eleven in number—marked the completion of the fourth year since we required the degree for admission to the first year of our course; or at least, the certificates of three years' successful study in certain colleges which would grant a degree upon the addition of a successful first year in our school.

The result of this action has been highly satisfactory, and is reflected in the advance made throughout the entire school in the subjects taught, and in the improved methods to that end. The better mental equipment of our students as a whole is to be largely credited with this favorable situation.

Perhaps our best illustration is to be found in the reports of the several heads of departments, to which I ask your attention.

Taken in turn, each one of them shows breadth and vigor of administration, and that our chief function, undergraduate instruction, has been kept steadily in mind and is being developed in accordance with the most advanced requirements for comprehensiveness, system, and thoroughness. Research has not been permitted to lapse into aimless routine, a thrashing over of old straw, or ill considered ventures into new fields. The known and the unknown are kept in reasonable relation, one to the other, and thus, teaching and research go hand in hand, the one curbing, the other stimulating those who are engaged therein.

Considering the departments in detail, Anatomy in natural order claims attention first. The plans proposed for the more thorough organization of this department were outlined in our last report. They were put in practice at the beginning of the session just closed, and enough was accomplished to insure full success for the new administration as soon as the facilities asked for are supplied. These relate to additional hours and equipment; the hours were granted at the last Faculty meeting, and additional equipment will be installed before the next session. The broadened conception and administration of this subject in our school is a source of gratification to all clinical teachers, medical as well as surgical. The subject is no longer treated in detached sections but the student is taught to view the individual, first and last, as a whole, not as broken up into parts, as represented by the special medical or surgical ailment which may be presented for diagnosis and care. Behind every such call for his skill and acumen, the entire organism, structure and function, should be before him as an open book. To gain and then carry out such a conception through the intricacies of an education in medicine, one must get it at the threshold—*anatomy*. The pursuit of physiology, chemistry, and pathology becomes to minds so trained, no more than the study of the floral and faunal features of a country, whose geographic, geologic, and hydrographic secrets have been already mastered; and more interesting and productive.

The way in which the Professor of Anatomy is bringing forward this needful conception of anatomy is admirably given in detail in his report. It is also shown there, that so far from anatomy (from the surgical standpoints) suffering in consequence of this increase of its scope, it has benefited both by an extension of the dissecting course, and by the demonstration course upon the live subject, aided by radiography. I heartily concur in all the suggestions he makes covering the improvements of his work.

A synopsis of the research work in this department is appended: Doctor Burrows, "Growth of Tissue Outside the Animal Body in Culture Media"; Doctor McClendon, "Chemistry of the Animal Cell"; Doctor Ferguson, "Growth and Histogenesis of Connective Tissue"; Doctor Congdon, "Effects of Radium and the X-Ray upon the Germ Cells of Mammals". Doctors Baldwin and Gudernatsch have been engaged in study and in research abroad, preparatory to their work with us next winter. Doctor Stockard, assisted by Miss Craig, "Effects upon the Offspring of Alcoholism in one or both Parents"; Doctors Berg and Oppenheimer (voluntary workers) have studied the symptoms resulting from the removal of the pineal body from the brain of the sheep. Doctor Staunton (voluntary worker), "Effects of Various Conditions on the Form of the Lower Jaw in the Monkey"; Mr. Crawford (student assistant), "The Degenerate Remains of Embryonic Organs in the Region of the Ovary"; Mr. McChesney (student), "Certain Questions on the Development of the Ear".

The Department of Physiology presses forward in the betterment of its teaching and the inspiring influence of its research work. Both here and in anatomy, additional time for instruction was asked for and granted at the last Faculty meeting. While Professor Lusk himself directs more particularly the courses in digestion, secretion, and the internal secretions and nutrition, he keeps in close touch with the admirable courses on the nervous system including special senses, and the special course on reproduction given by Professor Murlin; and also with

Doctor Wiggers' course on nerve muscle experimentation and that on the circulation and respiration.

The course in reproduction will in future be given as a part of the regular exercises.

Professor Lusk has been most generous in extending the facilities of his department and his own invaluable advice to Doctors Coleman and DuBois in their researches in the medical wards of Bellevue Hospital, and to Doctor Hartwell in connection with his work in the surgical wards of the same institution.

I append a list of the more important pieces of research work including that furnished by two members of the second year class.

Doctor Murlin and Doctor Bailey (of the Department of Obstetrics), "Study of the Urine of Late Pregnancy and the Puerperim from Cases of Normal Pregnancy, Preëclamptic Toxæmia, Eclampsia and Pernicious Vomiting"; Doctor Murlin and Doctor Kramer (voluntary workers), "The Influence of Lecithin and Emulsions on Anæsthesia"; Mr. H. J. Muller (candidate for degree of Ph.D.), "Problem of the Respiratory Exchange in Subjects Affected with Cancer". Doctor Wiggers has planned a series of researches on "The Physiology and Pathological Physiology of the Pulmonary Circulation". Professor Lusk, assisted by Mr. Riche, Assistant in Physiology, Miss Wishart, private assistant, and Miss Fisher, first year student, "To Determine the Manner of the Combustion of Sugar, Fat, and Protein"; Mr. Rolph (second year student), "Influence of Carbohydrate on Protein Metabolism of the Dog". Miss Anne Cochran (second year student) tested the meat value of a proprietary meat preparation.

The work of the Department of Pharmacology and Materia Medica shows that kind of improvement, especially in the course of instruction, which comes from perfecting the cooperation of the different members of the staff. There are certain improvements needed which are only halted till such time as funds are obtained toward making them. Professor Hatcher's work upon the United States Pharmacopœia, as a part of his duties as member of the Council on Pharmacy and Chemistry of the American Medical Association, continues as heretofore. Its value to the medical profession at large, is no doubt ample return to this College for any interference with duties to the College which may seemingly result. As a fact, the value of Professor Hatcher's services to this College, great as they are, are enhanced by his connection with the Council of the American Medical Association.

I wish now to ask your attention to the report of Professor Benedict of the Department of Chemistry.

It is increasingly evident each year that graduates, even of the best colleges, apply for admission without having had the full quota of physics, inorganic chemistry, and biology required for admission. Students with excellent personality and with educational attainments fully equal to all our demands, seek admission with deficits in the subjects named, varying from one quarter to one third of the total needed. This seems to be as much a defect in the courses of some of the colleges as in the student himself. To meet this difficulty we have asked the Department of Chemistry to institute a course in physics and inorganic chemistry which will cover the parts of these subjects in which the applicants are found lacking. The Department of Anatomy has been asked to do the same for biology.

The regular course in chemistry has fulfilled our expectations both as to its presentation to the regular students and in its present research. The thanks of the school are due Professor Benedict. The suggestions he makes concerning improving the facilities for carrying on experimental demonstrations in connection with the regular lectures can be readily met, and will be executed before the opening of the coming season.

The Department of Pathology makes its usual report of efficiency and advance. For several years Professor Ewing has endeavored to extend his substantial fabric of general pathology, so as to promote systematic studies of specimens gathered by the several special departments in the pursuit of their work. The obstacle encountered has been the same as found in the field of General Pathology at large: the difficulty of getting men who will devote to the subject the time needed for worthy work. Naturally such workers should come into his laboratories through the departments in whose special interests their work is undertaken, but such men have not been forthcoming. Consequently this work has been cared for by his own laboratory force. In this connection I have to report valuable results from the investigations of Doctor L'Esperance in the field of gynecology. If the heads of special departments would give more attention to this defect I am sure it might be remedied and be to the great advantage of each and all. He reports the resignation of Professor Buxton, who retires to give himself more time for laboratory studies abroad. The College is loath to part with an investigator who has been one of its productive workers from the outset, and who from first to last was an inspiration to his co-workers.

Professor Ewing has been able to broaden his work on cancer by a closer affiliation of the Huntington School for Cancer Research with the General Memorial Hospital. I refer you to his report for a more extended statement.

The most conspicuous advance made by the College in the past year was achieved in the field of clinical demonstration. This applies to the Department of Medicine, including Therapeutics and Applied Pharmacology; to the Department of Surgery, including Genito-Urinary and Gynecologic Surgery; to the Department of Obstetrics; and to the subdepartments of Neurology and Psychopathology.

As an illustration of the scope and character of this work, I select for submission copious extracts from the report of the Department of Medicine. The departments and subdepartments have pursued a similar method and all report satisfactory results. Consequently it bids fair to become our established order.

The essence of the improvement is the placing of each fourth year student in contact with a series of successive cases, each to be investigated and reported upon before another is taken up. In medicine this plan is begun in the last term of the third year; the investigation is conducted under the supervision of an instructor, and covers identically the process through which the practitioner goes in dealing with patients in his daily practice, with the exception of actually performing operations which may be necessary for cure. Every step is taken in person by the student, from the taking of the history to, and through, every complexity of examination for correct diagnosis, ending with the treatment. In this fashion each student studies from six, to as many as fifty, different cases; in the special wards, an average of six in each; in the General Medical and Surgical Wards, fifty each. This work is an addition to the lectures and the section

work, and is carried on in the wards and later in the College Dispensary. A more complete picture illustrating the scope of this work is contained in the following extract from Professor Thompson's report:

THE CLINICAL CLERKSHIPS.—The extension of this work to comprise all day instead of half day sessions, as heretofore, has resulted in much benefit to the students. They devote the mornings to the clinical laboratory studies of their cases, and writing the histories to date, while the afternoons are left uninterrupted for physical examinations and instruction in advanced diagnosis. In the latter work they are guided by at least four members of the Visiting Staff. As the students are able to give prolonged study to individual cases, the histories and records which they take, have proved of more value than those of the House Staff, and hence are of great use to the Hospital, for the cases have never before been so satisfactorily studied. There is no difficulty at all in keeping the students thoroughly occupied, and several of them have undertaken minor special research.

By arrangement with Doctor Meara, a course in the methods of using modern apparatus for recording the action of the heart, and pulse, and blood pressure, has been given, and the students in section are given demonstrations of such research as is being conducted by members of the Visiting Staff upon selected cases.

Another feature of this work of the Clinical Clerks has been introduced for the first time with the kind cooperation of Doctor Ewing. Once a week the students are taken together to the Pathological Museum, where they are shown preserved specimens illustrating the lesions present in such cases as they are, at the time, studying at the bedside. This work has been conducted by Doctor Floyd with so much thoroughness and success that several members of the staff have found it profitable to attend the demonstrations.

THE DISPENSARY.—The Dispensary, thanks to the granting of three fellowships, has now a paid staff of five workers, which has resulted in much better and more systematic work than has heretofore been possible. Doctor Sheldon has been particularly successful and zealous in developing the service, has organized the work of the students' general clinic most efficiently, and has devised a number of minor improvements in the service, such, for example, as furnishing the patients with printed circulars comprising detailed directions as to diet, hygiene, and general mode of life. These circulars have been much in demand by other institutions.

One of the fellowships, under my direction, has been granted for a special study of the Occupational Diseases, and Doctor Kenney to whom it was awarded, has cooperated with the State Factory Investigation Commission in a study of lead poisoning. He has investigated a number of cases in lead smelting works, among the men employed in the Brooklyn Navy Yard in painting the holds of warships, etc.

The Fellowship in X-Ray work, awarded to Doctor Wing, has yielded most satisfactory results, particularly for demonstration in my general clinic, and the students have been taken into the X-Ray room for a demonstration of the apparatus and pictures by Doctor Cole. For the first time in the history of the College this work has become of indispensable value as a means of diagnosis in internal medicine.

The series of pictures taken of the same patient, often 15 or 20 in number, enable one to trace with bismuth radiographs, the movements and position of the stomach and intestines with extraordinary accuracy, as well as to confirm the diagnosis and position of new growths and adhesions.

Doctor Wagner has given proctoscopic demonstrations of cases of amœbic dysentery at the clinic, and others have been called upon for various expert demonstrations before the class.

The material for study of physical diagnosis, and the instruction, has been given satisfactorily by Doctors Sicard and Keays.

RESEARCH.—In addition to a considerable amount of research conducted in the wards in the departments under the charge of Doctors Coleman and Meara,

Doctor Hoobler has conducted experiments upon ward patients for me, to determine the effects of ward air and outdoor air upon blood pressure and calorimeter valuations of metabolism, which I have made the basis of reports to the Committee on School Ventilation of the Board of Education, and to the American Society of Heating and Ventilation Engineers, for hospital ventilation.

Doctor Niles has continued the vaccine treatment of cases of pneumonia, and with me is at work upon a special study of hepatic cirrhosis.

Doctor Floyd is at work upon blood pressure problems, with various drugs and Doctor Coleman is cooperating with the Committee of the American Medical Association in a critical study of the relative study of synthetic and natural salicylates.

Doctors Niles, Floyd, and Kenney are cooperating with me in a study of all the Occupational Diseases for a book upon this subject which I have in hand. Special history forms have been devised for this subject, and a large amount of valuable data are being collected.

As a part of his professional activities outside the school, Professor Thompson adds the following statement to his report:

OCCUPATIONAL DISEASES.—As a supplementary report from the Department of Medicine, you will be interested in the research I have undertaken this past session on the Occupational Diseases.

Last November, I was asked to read a paper on this topic before the Columbia Academy of Social Science. Finding there a number of men interested in the topic, I called together a Committee on Occupational Diseases, and all winter we have had frequent and productive meetings at my house. On this Committee are the Professor of Social Science of Columbia University, the Professor of Chemistry of the City College, the State Labor Commissioner of Albany (who comes down to the meetings), the President of the School of Philanthropy, an actuary of an important industrial insurance company, Mr. Andrews, who put through the phosphorus match bill, the Secretary of the American Association for Labor Legislation, Doctor Coleman representing the Bellevue Committee on Nomenclature of Disease, and several other physicians representing special organizations. We have held meetings in cooperation with the representatives of the State Factory Commission, the State Labor Bureau, and Doctor Hamilton of the Illinois Commission on Occupational Diseases. I have collected data of some 300 cases of lead poisoning from the records of the Presbyterian and Bellevue Hospitals and our Cornell Dispensary. Doctors Niles, Kenney, and Floyd are aiding in gathering statistics of all the Occupational Diseases which come to the Medical Clinic of Cornell, and I have furnished them with special record blanks for this purpose. Doctor Kenney, holding the Fellowship in the Occupational Diseases, has cooperated with the State Factory Commission inspector, and I recently went with him to the Admiral of the Brooklyn Navy Yard, and reported 20 cases of serious lead poisoning discovered, unknown to the government authorities, among men employed in painting the double-bottomed holds of the warships.

In the Academy of Medicine, as you know, I interested the Committee on Public Hygiene, and the public meeting which we organized to discuss the Occupational Diseases was largely attended and important in results.

I addressed the Chemists' Club on this topic, and an audience of some 300 manufacturing chemists were so interested in the matter that they appointed a Committee of Investigation, to cooperate with our Committee. The latter has now been absorbed by the Association for Labor Legislation, and we are seeking funds for the salary of a special investigator.

I wrote out a special classification of the Occupational Diseases to be printed on the compulsory registration blanks which the State now issues to all physicians, and also a more elaborate classification in booklet form which the State Labor Bureau has in press for guidance in collecting statistics on which to base future protective legislation against the occupational disease hazards.

I have also addressed the Maine State Medical Society, and several medical societies in New Jersey on this topic, and in June, I address a joint meeting of

the American Medical Association and Second National Conference on Industrial Diseases, and in September, the International Congress of Hygiene, in Washington.

Doctor Kenney, under my direction, has had leaflets printed for distribution to workmen in hazardous trades who frequent the Medical Clinic, and they are already in demand for copying in other institutions.

I cannot but feel that this is an important work for the College, because so little systematic research has heretofore been made in it in this country, and much legislation is being proposed, which should be based upon more accurate data.

The field in Bellevue Hospital and our clinic for this purpose is enormous, and it has heretofore been quite neglected. We are constantly dealing with serious cases of poisoning by lead, mercury, arsenic, chromic acid, brass, cases of lung diseases from toxic fumes and noxious dusts, occupational nerve diseases and neuroses, wood alcohol poisoning, skin diseases among dyers, acid workers, etc., and a long list of other diseases, such as gas poisoning and the caisson disease, etc., etc.

The special departments report satisfactory conditions. The broadening of the clinical demonstrations in pediatrics and orthopedics is called to your attention including as it now does, demonstrations in the wards of Bellevue and New York Hospitals.

Special care is demanded for the extension of our courses in neurology and psychiatry. I ask your attention particularly to the suggestions of Professor Dana and Professor Hoch and the possibilities contained in the work of Assistant Professor Schlapp in the study of criminology among the children dealt with in the Children's Courts of our city. As you know, we have accepted from the Women's Municipal League, pending the action of the Board of Trustees of the University, the medical control of an institution devoted to the care of such unfortunates. Professor Hoch lays stress upon this phase of psychopathology when he says that "in future such a department will have to embrace in its instruction what is known in regard to character formation, and its shaping during early childhood, the study of abnormal children and the evidences of nervousness, its significance and its treatment, and more extensive teaching of the psychoneuroses and their relation to insanity".

One of the most valuable courses given during the session was by Professor Hoch at the Manhattan State Hospital. I suggest some correlation between this course, that given by Professor Dana, and one which must be arranged for Assistant Professor Schlapp. In these three fields we have all the opportunity needed to fulfill Professor Hoch's suggestion.

Respectfully submitted,

W. M. POLK,

Director of the Medical College.

APPENDIX VI

REPORT OF THE SECRETARY OF THE ITHACA DIVISION OF THE
MEDICAL COLLEGE

To the President of Cornell University:

SIR: I have the honor to present my annual report of the Cornell University Medical College at Ithaca for the college year 1911-12.

The work of the College in both teaching and research has been normal and progressive. There have been no marked changes in the curriculum or in the method of teaching, but in the latter the courses are each year becoming better organized and the lines of work more clearly defined. The aim of the College is not only to give a thorough training in the fundamental subjects of anatomy, histology and embryology, physiology, and biochemistry, so that these may form a basis for the later practical work of medical practice, but also to foster the research spirit and give an elementary training in the methods of research. The Faculty feel that it is not only necessary that our students should be so trained as to make good practitioners of the healing art but also that they should be able to undertake independent investigation and help to advance the science of medicine. It is becoming better recognized each year that the research attitude in medicine is the only progressive stand and that students trained in research methods will make the best practitioners. As a matter of fact, each case which presents itself is a problem to be solved and the correct solution is of the greatest moment to the patient. The Faculty recognize that while far from attaining our ideal, we are each year coming closer to it, and that while imparting the necessary information, we are also more and more developing those sides of the student which will make him a more able investigator and therefore a better practitioner.

There were thirteen students registered this year, three less than last year. Of these, three were women. Six of the thirteen were seniors in Arts; four of the others had taken the Master's degree and three the Bachelor's degree only. The advanced degrees were obtained from Cornell, Michigan, Brown, and Ohio Universities. The first degrees from Cornell University, Barnard College, Ohio University, Trinity College, Pomona College, and Parsons College.

In addition to the instruction given to medical students, the Faculty of the Medical College gives instruction to a number of graduate students working for advanced degrees. These students are taking work in anatomy, histology and embryology, physiology, and biochemistry. Although they demand a good deal of time from the instructors these students are a most welcome addition as they help to stimulate us to keep up with the very latest developments in our subject. If it were not for the graduate students the research in each department would be limited entirely to the staff of instruction as students in the first year of the medical course have almost no time for work outside of the regular curriculum. If the second year were also given here there would be some opportunity for elementary research. One of the great advantages of having the medical work in

Ithaca is this association with the work of the Graduate School. It enables the graduate students to obtain work in fields which would otherwise be unrepresented, and the presence and work of the graduate students act as a stimulus and inspiration to the medical students.

The number of students in the Arts and Science, Veterinary, and Agricultural Colleges taking work in the Medical College and receiving instruction from the professors of this College is growing steadily each year, and it will soon be necessary to make provision for additional instructors to have charge of this work. In addition to the special courses in physiology and in histology and embryology, which were repeated as in previous years, this year the Department of Biochemistry has found it necessary to establish a special course for students of other colleges.

The work in anatomy has been somewhat less satisfactory than last year. This is due to the fact that Assistant Professor Schaeffer resigned to accept a position in the Yale University Medical Department, and we have as yet been unable to replace him with a man of like grade devoting his whole time to anatomy. The professor of anatomy was assisted by three Cornell graduates who were practicing medicine in Ithaca, and a last year's graduate awaiting his hospital appointment. The practitioners of necessity could give only a small amount of time each week to the Department. They were most conscientious in the performance of their duties but their main interest is of necessity in their medical practice. The best interest of any department cannot be served by those whose principal interest is not wholly in the field in which their teaching lies.

A power driven band saw for making frozen sections was installed and we have made some much needed additions to our series of frozen sections. A number of additional regional dissections and special preparations have been added to our study collection.

The anatomical, as well as the other departments, has availed itself of the facilities of the College office for getting out special mimeograph directions for laboratory work. We find it essential, with the special and advanced type of work which we are doing, to give our students special directions exactly suited to the work.

Professor Kingsbury reports that the instruction in the Department of Histology and Embryology has proceeded normally with excellent results, particularly on some sides of the work. In addition to the medical students, 79 other students received instruction in this department and the number of university hours of instruction which was given was very large. The resignation of Doctor Hilton lost to the Department an excellent teacher well liked by the students and staff. Instructors Badertscher and Smith, however, have worked well and in addition to the instruction, much research has been done in the Department.

The work in physiology in all classes has been carried on in a very satisfactory manner. The staff has remained the same as last year with the exception that Assistant Livingston took the place of Instructor Mayes, who is completing his medical course in New York. During the first term and part of the second, Assistant Professor Dresbach was in Europe on leave of absence, making an especial study of the string galvanometer under Professor Einthoven. It is proposed that he shall have charge of the installation and running of the string galvanometer which the Department of Physiology is now procuring. A number

of important papers was published from this department during the year and much research is in progress. The equipment has been increased, mostly by apparatus manufactured by the mechanician. Professor Simpson feels the need of additional accommodations for animals and a more modern surgery for animal operations.

The instruction in biochemistry has been very satisfactory. The staff has remained the same as last year and important research has been accomplished. This department has had the exclusive use of the recitation room formerly used by the clinical subjects and has found this a decided advantage in many particulars. The laboratory in the main has proved satisfactory but certain changes are planned for next year to further facilitate the work. A large power centrifuge has been installed and it is hoped that each year more of the needed apparatus may be procured. It is worthy of note that only three of the medical students came to us this year without organic chemistry.

The emeritus professor of histology and embryology, Professor Gage, by his devotion to his research has remained a constant source of inspiration to the Faculty.

The needs of the Medical College at Ithaca have not decreased since last year, and while I appreciate that the Trustees have been most generous in furnishing the essential equipment and teachers for the Medical College so far as the funds would allow, I must continue to point out the fact that there is much need for additional equipment and that every department needs more and better paid instructors. It is hoped that some generous benefactor may come forward and supply the money for a separate endowment for the Medical College at Ithaca so that the work in anatomy, histology and embryology, physiology, and biochemistry may be extended, and that additional professors may be secured for the specialties in each of these departments. The Cornell experiment of having the first two years of scientific work of the Medical College separated from the last two clinical years has been eminently successful. The conditions at Ithaca are almost ideal for carrying on this part of the work and it is still hoped that we may secure funds so that the second year may be reestablished at Ithaca. There are obvious advantages in this, both to the Medical College and to the University.

The Secretary, through his trips to New York and meetings with the Medical Faculty, has kept the work at Ithaca in close touch with the work in New York and has thus aided the Faculty in maintaining a close correlation of subjects.

Respectfully submitted,

ABRAM T. KERR,

Secretary of the Ithaca Division of the Medical College.

APPENDIX VII

REPORT OF THE DIRECTOR OF THE NEW YORK STATE
VETERINARY COLLEGE

To the President of the University:

SIR: I have the honor to submit a report of the New York State Veterinary College for the academic year 1911-12.

The work of the year just closing has been the most satisfactory in the history of the College. The essential reasons for the improvement are the retention of experienced instructors, and a larger amount of clinical material for teaching practical medicine and surgery. There have been a few minor changes in the curriculum but otherwise the work of the College has followed along the well defined lines of teaching and research as in the past.

There are enrolled in the College 110 students of whom 44 are freshmen, 33 juniors, 30 seniors, and 3 graduate students. This number is slightly larger than any previous registration in the College with the exception of 1904-05, when the practitioners taking the short course offered at that time, were included in the registration. A considerable number of students from other colleges have taken the courses in Bacteriology and Physiology and five graduate students, candidates for degrees, have received instruction in one or more departments.

The Faculty, exclusive of those who give instruction in Animal Husbandry, Animal Parasitology, Chemistry, Histology and Embryology, which subjects are provided for by other departments in the University, consists of five professors, two assistant professors, five instructors, one assistant, and four student assistants. The necessary work in connection with the office, care of buildings and experimental animals, requires a pay roll of seven persons.

The addition to the north wing was ready for occupancy at the beginning of the year. The increase in room which this affords has greatly enhanced the teaching of Anatomy. Doctor Hopkins spent last spring and summer in Europe studying methods of teaching Anatomy in the veterinary colleges there. The laboratory is being well equipped with modern appliances made possible by a special appropriation for that purpose.

The teaching of practical medicine has been greatly hindered for want of suitable facilities. Doctor Udall will spend the summer in Europe studying methods of teaching veterinary medicine in the best veterinary clinics of Europe. The new clinical buildings provided for by the Legislature of 1911 are now under construction. It is expected that by next year they will be ready for occupancy and that the teaching of medicine will no longer be hampered for want of suitable buildings. The work in the Department of Materia Medica and in the Small Animal Clinic has been much retarded owing to the lack of suitable facilities. Much credit is due the professors and instructors for their excellent work under such adverse circumstances.

The Department of Surgery and the Ambulatory Clinic report a considerable increase in the material for teaching practical surgery. The fact that the surgical hospital has been shared with the Department of Medicine has caused much crowding and consequent interference with the efficiency of both departments. This condition will be relieved upon the completion of the new buildings. The Ambulatory Clinic continues to give opportunities for valuable practical teaching. There were treated in the clinics during the year ending September 30, 1911, 1,898 cases. The total number of cases thus treated in the year ending September 30, 1910, was 1,442.

There have been several lectures given by nonresident veterinarians. These have proved to be of much value in bringing the students in closer touch with the practical problems of their chosen profession.

A conference for veterinarians was held in January, at which fully fifteen per cent of the legalized veterinary practitioners of the State were present. The program included lectures by Dr. John Adams, Professor of Surgery in the School of Veterinary Medicine, University of Pennsylvania; Dr. Richard P. Lyman, Dean of the Department of Veterinary Medicine, Michigan Agricultural College; and Dr. Cassius Way, Inspector for Borden's Condensed Milk Company, Chicago, Illinois. These conferences are very helpful to the practitioners, as they enable them to come in touch with the more recent methods of their profession. The laboratories and library enable them to ascertain many facts regarding topics in which they are especially interested. The experience of four years indicates that these gatherings have much educational value to the practicing veterinarians and indirectly render needed assistance to animal owners.

The work in diagnosis and the preparation of tuberculin, mallein, anthrax vaccine, and anti-hog cholera serum for veterinarians and the State Department of Agriculture are steadily increasing. During the year ending September 30, 1911, we examined for diagnosis 43 specimens for anthrax, 479 for glanders, 183 for rabies, 83 for diseases of poultry, and 216 for miscellaneous affections. There were made and distributed in the State 7,980 doses of anthrax vaccine, 3,511 doses of mallein, 47,429 doses of tuberculin, and 3,620 doses of anti-hog cholera serum.

The extension work has consisted largely in answering letters of inquiry relative to animal diseases, exhibits at the State and Batavia fairs, and in giving lectures at certain meetings of live stock owners.

The research work has been somewhat curtailed owing to the larger amount of time devoted to teaching and the routine work of the different departments. Although the State provides for research as well as teaching, and while we are trying to comply with these requirements, we consider our first duty to be to provide as thorough a course of instruction as possible. However, much valuable research has been done. Doctor Fish has continued his important studies on the nutrition of "bob veal"; Doctor Williams has continued his work on sterility and abortion in cattle; the Department of Anatomy has followed its studies on the distribution of certain nerves, about which there is diversity of statement in the anatomies, and on the distribution of the lymphatic system of cattle; the Department of Pathology has continued its investigations on the elimination of tubercle bacteria from infected cattle, the bacterium of abortion, and the infectious diseases of poultry. The details of the work are published in the annual report of the College which was submitted to the Governor early in January.

The work of the College generally is being better correlated and investigations of much promise for the furthering of knowledge concerning the nature of animal diseases and the upbuilding of the veterinary profession, are under way. There is a strong feeling that much assistance could be rendered that part of the public interested in animal industry by a collection of normal and pathological specimens properly arranged for exhibition purposes. Large numbers of animal owners come to the College annually in quest of information which collections, such as mentioned, would give. The Veterinary College building was originally planned to contain a large museum. It is our desire that this plan should be carried out. A properly arranged museum with a curator to look after it would be of great value in demonstrating to animal owners many topics in a much more effective way than by any other means.

The unsettled knowledge concerning the diseases of swine and poultry also demands special investigations. The heavy losses occasioned by sterility and abortion in cattle call for extended researches concerning their cause and prevention. In addition to these, there are numerous questions constantly arising in connection with various diseases of animals and their treatment, which should be carefully investigated. This work is all expensive. The purchase and care of animals for such experiments are costly, and men capable of doing work of this kind command good salaries.

In order to provide for the museum, the south wing of the College must be erected to take care of offices now temporarily placed in the museum. The overcrowded library calls for additional room. There is also much need of an auditorium to seat about three hundred for veterinary conferences and other gatherings. These can be well provided for in a two story south wing as originally planned. This would allow the room in the main building to be returned to the museum. The increase in the amount of diagnosis work and the preparation of diagnostic agents, such as tuberculin, require additional room which can be suitably provided only by a new pathological and bacteriological laboratory.

The great need for improvement in horseshoeing throughout the country warrants us in recommending that this College establish a short course in practical horseshoeing for the State. In a special report made in 1908 I called attention to this need. In our clinical buildings a forge room is provided and space can be secured for laboratory work in this subject. It seems fitting, therefore, that this course should be established as soon as our buildings are completed.

It is recommended that the Trustees ask for appropriations for the year 1913-14 as follows: to build the south wing, \$75,000; to equip a farriery and maintain a course in practical horseshoeing for the horseshoers of the State, \$5,000; for the further study of swine diseases and equipment for increasing our output of anti-hog cholera serum, \$2,500; and for the regular maintenance, which should be increased to \$65,000. The increase in the maintenance is necessary to meet the additional cost of fuel, lights, and janitor service for the new buildings, and to make certain promotions in the instructing staff. This is essential if we are to reserve for the College and to the State the more efficient instructors. The proposed course in practical horseshoeing promises to be the most helpful instruction that can be given as extension work.

The Faculty has entered into the work of the College with enthusiasm and full cooperation. The spirit prevails that the College should give to the University

and to the State the maximum service possible by way of teaching undergraduates, assisting practitioners, and making investigations necessary to ascertain the best methods for the control of the diseases of the live stock of the State.

Respectfully submitted,

V. A. MOORE,

Director of the New York State Veterinary College.

APPENDIX VIII

REPORT OF THE DIRECTOR OF THE COLLEGE OF AGRICULTURE

To the President of the University:

SIR: The College of Agriculture is still in its rapidly growing stage. The number of students is increasing, the welfare work with the people is enlarging and becoming well organized, and the buildings and equipment are beginning to indicate the character that the institution will ultimately assume.

The activities of the College run along the three lines of research, regular teaching, and extension. The extension work is the natural and necessary outcome of the other two, in an institution supported by the people. The backbone of the College is necessarily the regular academic work, and this must be maintained in its highest expression. The first obligation of the College is to provide the best possible instruction to the students who come to it. Education by means of agriculture and country-life subjects should be as sound and as effective as education by any other means. The nature and the aims of regular academic work are well understood and do not need explanation or exposition, but the ideas that underlie extension work in agriculture may be put on record, now that a special appropriation for such work has been made by the Legislature.

PRINCIPLES INVOLVED IN THE ORGANIZATION OF EXTENSION WORK AT THE NEW YORK STATE COLLEGE OF AGRICULTURE

1. Extension work in agriculture comprises all educational efforts prosecuted at the homes and on the farms of the people, and also such work at the institution itself—as the winter courses—that is more or less temporary and that centers chiefly in interests away from the College. Extension work is welfare work, and it is properly a necessary part of an institution that is maintained by the people for the service of the people. Good extension work will establish many local agents and agencies directly in the communities themselves.

Acceptable extension teaching in agriculture is possible only when it is the expression and result of good teaching and good research at home. The material should be as alive, as personal, and as sound (so far as it goes) as the material of any other teaching; and extension teaching is as much worth doing on the part of the teacher as any other teaching. The extension effort, therefore, must be an organic part of the institution, issuing from it naturally, and taking to the people such part of its findings and outlook as they can usefully apply.

The College of Agriculture is maintained in good part by the State for the benefit of the people of the State, and it must serve the people in every way that it can serve them effectively. The College is attacking the whole problem of rural civilization.

2. The extension work should be in charge of an extension staff. An extension staff should be as well trained for its work as another staff is trained for regular teaching or for research. The members of it should be paid as well as members of other staffs. These persons should be students by nature. They must keep up with the best scientific work in their fields, and all of them should have opportunity to make tests, experiments, and studies of their own. If a person is to impart much, he must acquire much.

3. In the organization of the work, each department in the College that deals with agricultural subject matter should undertake it as far and as rapidly as possible, to the end that the department may completely serve the particular interests of the State that it represents. The extension work in the subject matter in these departments should be in charge of the departments themselves; and the funds for this departmental work should be appropriated directly to the departments.

4. There should also be an Extension Teaching Department in the College, to administer all extension work that is not strictly departmental (that is not a part of the regular departments of the College); and it should aid all departments, so far as it can, in the extension of their special work and make recommendations to them; and it should make recommendations to the Director as to the most advantageous distribution of extension monies in the College. The Extension Teaching Department will have certain functions that are peculiarly its own, such as administering itinerant and traveling schools, outside lecture courses, work at the fairs, delegations and excursions coming to the College, reading courses, correspondence courses, management of resident or local agents, Farmers' Week and similar enterprises, aiding in Farmers' Institute plans, mailing-room extension, experimenters' league, welfare work in the communities, general publicity and helpfulness of the College of Agriculture to the people of the State.

At the College itself, the Extension Department should give regular instruction, at least for the time being, in the training of students in public speaking, parliamentary practice, and in extension projects and methods. As soon as possible, instruction of this kind should be given to Winter Course students.

5. If every agricultural subject-matter department of the College should do extension work, and if certain specific extension enterprises comprise the function of a separate Extension Department, then the effective operation of the movement is dependent directly on the harmony, solidarity of purpose, and sympathetic cooperation of all parties concerned in it. The results must come through conference. This conference should largely direct the policy. Therefore, a standing Committee on Extension Teaching has been organized, composed of six members, of similar constitution to the other standing committees, and of which the head of the Extension Department is a member *ex officio* with a vote.

INVESTIGATION

It is of course well understood that experiment and research are essential to any college of agriculture, and therefore, the subject hardly need be discussed

here. It may be well, however, to call attention briefly to the Experiment Station work. The Cornell University Agricultural Experiment Station is established on the two Federal Experiment Station Acts, the Hatch Act, 1887, and the Adams Act, 1906. As early as 1879, however, an experiment station was established at Cornell University, but it was not supported by public funds.

Research is the discovery of truth for the sake of truth. The results and the spirit of research are indispensable to teaching. Agriculture is not to be taught from books or from tradition, but from the facts and principles that underlie the best practice. A good part of the scientific basis of agriculture is yet unknown. The most careful investigation is needed to discover these facts and principles. All good teaching must be founded on this discovery. It is not possible to have the best education if the investigation is entirely separate from the teaching. The teacher must have the incentive, the spirit, and the new knowledge that come from original inquiry, and the students must be in actual contact with active investigational work. The whole spirit of a college of agriculture is to investigate and to apply.

As a matter of administration, it is not possible wholly to separate the three lines of experiment, teaching, and extension into staffs or faculties. But there should be some officers that function chiefly as experimenters and others chiefly as extension workers. If the staff is sufficiently large and the various lines of work are properly organized, there is little danger that the specialists will be drawn off from their special problems by the developing of all kinds of work coincidentally in a college of agriculture. This does not imply that every investigator shall actually be a teacher, for it is best for research that certain persons give all their time to it. Experiment work may be completely divorced from teaching, but teaching cannot be divorced from experiment. It is well, in other words, to have endowed chairs of research in a college of agriculture. The example of such endowed research is of itself worth while also to the teaching side. At the New York State College of Agriculture, there are three lines of work endowed specially for research (on the Federal funds)—soils, economic entomology, plant breeding. All other departments dealing with agricultural subject matter are expected to engage in research and experiment so far as they may have time and means, and the officers engaged in such investigation are by that fact members of the Experiment Station staff.

THE QUESTION OF DEGREES

The Board of Trustees has authorized the change of the degree of B.S. in Agriculture to B.S. This action was the result of a formal request by the Faculty of the College of Agriculture. The reasons for desiring this change are as follows:

1. The College of Agriculture is not a technical or professional college. Its primary aim is not to make farmers, but to educate men and women by means of agricultural and country-life subjects; therefore, there is no real reason why it should give a special or professional baccalaureate degree.
2. The courses in the College of Agriculture are science courses. They are founded on the fundamental sciences given in part in the College of Arts and Sciences, and the same spirit of scientific instruction and investigation is carried through the whole four years.

3. There are certain departments in the College of Agriculture to which the present degree, Bachelor of Science in Agriculture, does not apply. This is the case particularly in Home Economics, Landscape Art, and Forestry. The same will apply in the Department of Rural Education, which is now in the process of organization, and eventually to other departments. If the degree is not made a general degree, then several baccalaureate degrees should be given in the College of Agriculture.

4. From the above statements, it will be seen that the degree of Bachelor of Science in Agriculture is not true to the facts in the College of Agriculture. The change in the degree contemplates no change in the course of instruction, nor any desire on the part of any person to shift the work of the College. The baccalaureate degree should of right be general rather than specific and technical; the technical degrees may be postgraduate.

5. Again, there is no recognized nor standard professional baccalaureate degree in agriculture as there is in medicine, engineering, pharmacy, dentistry, law, and the like, enabling a graduate to secure a position or to follow a regular course of promotion or giving him the entrance to a profession. There is no unanimity in colleges of agriculture as to the baccalaureate degree. Our own course has been variable.

6. The technical or special degrees, as indicated above, should be the result of postgraduate work. The degree of Master of Science in Agriculture will now have more significance. It will mark the conclusion of five years of work. Those courses in the College that lead to recognized professions may have their special Master degrees. This principle is now recognized by the establishing of the degree of Master in Forestry, representing one year's work beyond the B.S.; and action is now pending looking to the establishing of the degree of Master in Landscape Design for a year's postgraduate study in the Department of Landscape Art.*

REGISTRATION

The total registration for 1910-11 was 1,451, including 128 in the Summer School. The 1,323 registered last year outside the Summer School is to be compared with 1,555 registered up to May 1st of the present year. This year, the registration of Winter Course students is 26 less than last year. This is probably only a temporary decrease, and is due to lack of publicity of the work because of insufficient accommodations. The completion of three new buildings should now afford sufficient relief to enable us to care for Winter Course students.

The classified registration for 1911-12, to May 1st, is as follows:

| | |
|--------------------------|------------|
| Graduate Students..... | 119 |
| Regular Students: | |
| Seniors | 123 |
| Juniors | 159 |
| Sophomores | 202 |
| Freshmen | <u>322</u> |
| | 806 |
| Special Students..... | 179 |
| Winter Course Students: | |
| General Agriculture..... | 199 |
| Dairy Industry..... | 93 |
| Poultry Husbandry..... | 68 |
| Horticulture | 58 |
| Home Economics..... | <u>33</u> |
| Total..... | 451 |
| | 1,555 |

*This degree was established by action of the Board of Trustees on June 13, 1912.

| | | |
|---|-----|-----|
| Number of women in regular course | 101 | |
| “ of women in special course | 22 | |
| “ of women in Winter Courses | 58 | |
| Total | | 181 |

THE PRINTING AND PUBLISHING BUSINESS OF THE COLLEGE

The College is now publishing semi-monthly lessons in the reading courses, a monthly rural school leaflet, bulletins of the Experiment Station, and circulars of the Experiment Station.

We have also established a new publication known as the “Announcer of the College of Agriculture”. This is published monthly and contains brief announcements or statements of the work that the College is doing. This publication has been of more service to the work than any single innovation that has been made for some time. It enables us to keep the people informed of the activities of the institution that they support, and it is the readiest and most economical means of answering the many routine questions. Some of the issues are devoted chiefly to particular topics. One issue, for example, was given to the exposition of the Experiment Station work; another to the extension work; and another to the Summer School work. Brief advance abstracts are given of the various publications. The first issue of the “Announcer” was published in October, 1911. It has already become an established factor in the work of the institution.

I now submit a statistical statement of the publications (aside from much matter pertaining to the Registrar's work and Secretary's work) for the first six months of this college year (Oct. 1, 1911–Apr. 5, 1912). The editing is in charge of Professor A. R. Mann, and the completed publications are handled by the mailing room.

In the six months we have handled 42 separate publications, aggregating 3,594 printed pages and 1,328,915 copies. This is nearly two publications a week. For every working day in the six months we have averaged 34 pages of proof and manuscript (figured in printed pages). Aside from old publications and annual reports, the mailing room has handled nearly 50,000 copies of publications every week for six months.

| | BULLETINS | Number of pages | Number of copies |
|---------|--|-----------------|------------------|
| No. 304 | Substitutes for skimmed milk in raising calves | 32 | 20,000 |
| “ 305 | The cause of “apoplexy” in winter-fed lambs | 16 | 10,000 |
| “ 306 | Classification of the peony | 112 | 4,000 |
| “ 307 | Apple orchard survey of Ontario county . . | 56 | 20,000 |
| “ 308 | The plum leaf-miner | 12 | 7,000 |
| “ 309 | The production of “hothouse” lambs . . . | 28 | 30,000 |
| “ 310 | Soy beans as a supplementary silage crop . . | 20 | 30,000 |
| “ 311 | The fruit-tree leaf-roller | 16 | 12,000 |
| “ 312 | Germination of seed as affected by sulfuric acid treatment | 44 | 5,000 |
| “ 313 | The production of new and improved varieties of timothy | 56 | 43,000 |
| “ 314 | Cooperative tests of corn varieties | 20 | 35,000 |

CIRCULARS

| | | | |
|--------|---|---|-------|
| No. 12 | The chemical analysis of soil | 4 | 6,000 |
|--------|---|---|-------|

READING-COURSE LESSONS FOR THE FARM

| | | |
|---|----|--------|
| No. 2 The soil: its use and abuse | 16 | 25,000 |
| " 4 Incubation—Part I | 12 | 30,000 |
| " 6 Incubation—Part II | 16 | 30,000 |
| " 8 Knots, hitches, and splices | 44 | 30,000 |
| " 10 Feeding young chickens | 20 | 30,000 |
| " 12 The improvement of the woodlot | 24 | 50,000 |
| " 14 Horse breeding to increase the farm income | 16 | 15,000 |
| " 16 Practical dairy problems | 24 | 6,000 |
| Supplements to above | 32 | |

READING-COURSE LESSONS FOR THE FARM HOME

| | | |
|---|----|--------|
| No. 1 The care and feeding of children—Part I | 16 | 10,000 |
| " 3 The care and feeding of children—Part II | 24 | 30,000 |
| " 5 Household decoration | 24 | 30,000 |
| " 7 Household furnishing | 20 | 30,000 |
| " 9 Reading in the farm home | 24 | 30,000 |
| " 11 The laundry | 44 | 30,000 |
| " 13 Cornell study clubs | 88 | 35,000 |
| Supplements to above | 20 | |

RURAL SCHOOL LEAFLETS

September (5,000 additional copies of supplement ordered printed Jan. 8)

| | | |
|-----------------------------|----|---------|
| November–December | 28 | 75,000 |
| January–February | 32 | 75,000 |
| April–May | 12 | 100,000 |

ANNUAL REPORTS

| | | |
|------------------------------|-------|-------|
| 1910 | 1,239 | 2,000 |
| 1911 | 1,317 | 2,000 |
| Preliminary report | | 215 |

ANNOUNCER

| | | |
|--------------------------|---|--------|
| October issue | 4 | 35,000 |
| November issue | 4 | 60,000 |
| December issue | 8 | 60,000 |
| January issue | 4 | 60,000 |
| Supplement | 2 | 35,000 |
| February issue | 4 | 62,000 |
| March issue | 4 | 55,000 |
| April issue | 4 | 60,000 |

| | | |
|--|----|-----|
| DIRECTORY Winter Course students | 12 | 700 |
|--|----|-----|

ANNOUNCEMENTS

| | | |
|---|----|-------------|
| Winter Course in Dairy Industry | 24 | 4,000 |
| Summer School | 16 | 5,000 |
| Total bulletins† | 30 | 948 877,000 |
| Total circulars | 1 | 4 5,000* |
| Total reports | 2 | 2,556 6,000 |
| Total Announcers | 7 | 32 4,215 |
| Total announcements‡ | 3 | 52 427,000 |
| | | 9,700 |

Total publications 43 3,594 1,328,915

SUMMARY:

Total pages read, including all manuscripts and proofs = 5,420 = average of 34 pages per day for every working day in six months. 43 publications in 6 months (27 weeks) = 1.59 publications, average per week. 1,328,915 = 221,486 per month = 49,219 per week for the mailing room to handle.

*Additional copies of supplement to September Rural School Leaflet, ordered printed January 8.

†Including reading-course lessons and rural school leaflets.

‡Including directory of Winter Course students.

CONFERENCES AND ORGANIZATIONS

The College is becoming the meeting ground of many rural organizations and groups that desire to come into touch with the broader aspects of its work and to be in a position to reach a growing constituency. Many organizations meet at Farmers' Week, but others convene at other times and are more or less continuous in operation.

I desire specially to mention three organizations or conferences that are now assuming much importance:

STUDENTS' ASSOCIATION. The Students' Association of the New York State College of Agriculture is an organization of all present and former students for the promotion of agriculture and rural betterment. By the organization of local or county branches, it is planned to extend its work through cooperation in the holding of extension schools, cooperative experiments, farm demonstrations, lecture courses, reading courses, and the like. An annual meeting is held at Farmers' Week. This Association has become an important factor in the larger work of the College, and this influence will increase through the organization within it of a Committee of twenty-five to keep in touch with the institution in all its activities.

RURAL CHURCH CONFERENCE. The College of Agriculture is interested in all worthy institutions that contribute to the development of country life, and is glad to cooperate with them. There are calls for assistance from rural schools, granges, and other farmers' organizations. Similarly, there has come a demand from rural churches for cooperation in the solution of some of the problems that result from their rural environment. To meet this there is held, during the annual Farmers' Week, a conference of country pastors and rural social and religious leaders of all or any denominations to discuss the questions that particularly affect the work of rural churches. Topics of live interest to rural religious and social workers are presented briefly by persons who have given them special study, after which they are discussed by the conference. Three conferences have so far been held. This year at least twelve hundred persons attended, and the discussion covered a wide range of rural social subjects.

RURAL LEADERS' TRAINING CONFERENCE. For several years the College has been urged to establish a school for social workers in rural communities. To meet this demand there was held last July the first of a series of training conferences of rural leaders. The school lasted for eight days, and consisted of three regular class periods in the morning, two in the afternoon, and one each evening. The subjects considered were the psychology of leadership, the rural mind, rural sociology, the country community, and community consciousness, health, education, industry, and socialization. A more advanced course will be held the coming summer, between Commencement and the beginning of the Summer School. Additional attention will be given to the questions of leadership, the country community, and rural sociology, and a new course in rural economics will be added. The Conference is intended for rural ministers, school principals and teachers, editors, secretaries of rural Young Men's Christian Associations, officers of granges and men's brotherhoods, and other active rural workers.

THE WINTER COURSES

It is often said that the Winter Course work will cease to be a part of the College of Agriculture. This is an error. The character of the work will change, but there will always be a strong demand for short terms to enable the people of the State to keep in touch with new facts and forward leadership. The Winter Course students will gradually assume the nature of brief-course specials. The greater the extension of agriculture in the public schools, the greater also will be the necessity for brief and more advanced instruction at the College.

Winter Course students are very various in age, preparation, and attainments. The following table exhibits some of these conditions:

STATISTICS OF STUDENTS IN WINTER COURSES 1911-12

| | General Agriculture | Dairy Industry | Horticulture | Poultry Husbandry | Home Economics | Totals |
|--|------------------------|----------------|--------------|----------------------|-------------------|--------|
| Men | 191 | 91 | 56 | 48 | ... | 386 |
| Women | 2 | 1 | 12 | 9 | 32 | 56 |
| Students from New York State | 176 | 85 | 52 | 56 | 26 | 395 |
| " " other states | 15 | 6 | 14 | 1 | 3 | 39 |
| " " Foreign Countries | 2 | 1 | 2 | .. | 3 | 8 |
| Average | 22 | 22 | 26 | 26 | 27 | 24 |
| Nationality: | | | | | | |
| Americans | 156 | 78 | 51 | 48 | 25 | 358 |
| Armenians | | | 1 | .. | .. | 1 |
| Austrians | 1 | | .. | .. | .. | 1 |
| Canadians | 1 | | 2 | .. | 2 | 5 |
| Dutch | .. | 2 | 1 | 1 | .. | 4 |
| English | 8 | 4 | 3 | 2 | 1 | 18 |
| Germans | 8 | 1 | 3 | 2 | 1 | 15 |
| Irish | 3 | 2 | 2 | .. | .. | 7 |
| Japanese | | .. | .. | 1 | .. | 1 |
| Hebrews | 1 | 2 | .. | 2 | 1 | 6 |
| Norwegians | 1 | | .. | .. | .. | 1 |
| Russians | 1 | 1 | .. | .. | .. | 2 |
| Scotch | 1 | | 2 | 1 | .. | 4 |
| South Americans | 1 | 1 | .. | .. | 2 | 4 |
| Swedes | 3 | .. | .. | .. | .. | 3 |
| Swiss | 1 | | .. | .. | .. | 1 |
| Welsh | 2 | .. | .. | .. | .. | 2 |
| No nationality given | 5 | 1 | 3 | .. | .. | 9 |
| College graduates | 11 | | 11 | 1 | 5 | 28 |
| Students who attended College but did not graduate | 12 | .. | 8 | 3 | 2 | 25 |
| Students in winter courses in agricultural colleges | 11 | 9 | 20 | 6 | .. | 46 |
| Normal school students | 1 | 2 | 1 | 3 | 3 | 10 |
| Theological seminary students | .. | .. | 1 | .. | .. | 1 |
| Military academy students | 3 | .. | .. | .. | .. | 3 |
| High school students (all or part of course) | 120 | 37 | 19 | 25 | 19 | 220 |
| Commercial school students | 10 | 4 | 3 | 7 | .. | 24 |

| | General Agriculture | Dairy Industry | Horticulture | Poultry Husbandry | Home Economics | Totals |
|--|------------------------|-------------------|--------------|----------------------|-------------------|--------|
| Grammar school students | 5 | 5 | ... | 2 | ... | ... |
| Union school students | 2 | 11 | 2 | ... | ... | ... |
| Public school students | 7 | 5 | ... | 8 | 1 | 81 |
| Private school students | ... | ... | ... | 1 | 1 | |
| Graded school students | 1 | 5 | ... | ... | ... | |
| District school students | 8 | 14 | 2 | 1 | ... | ... |
| No school given | 2 | ... | 1 | ... | 1 | 4 |
| College degrees: | | | | | | |
| A.B. | 10 | ... | 7 | 1 | 4 | 22 |
| Ph.B. | ... | ... | ... | ... | 1 | 1 |
| B.S. | ... | ... | 4 | ... | ... | 4 |
| Phar. G. | 1 | ... | ... | ... | ... | 1 |
| Students who have had practical general farm experience | 167 | 76 | 42 | 28 | ... | 313 |
| Students who have had no practical general farm experience | 23 | 9 | 18 | 21 | ... | 71 |
| Students who did not state their practical general farm experience | 3 | 7 | 8 | 8 | 32 | 58 |
| Students who have had practical experience in the field of work for which they are registered | 167 | 69 | 48 | 34 | 15 | 333 |
| Students who have had no practical experi- ence in the field of work for which they are registered | 23 | 16 | 16 | 18 | 9 | 82 |
| Students who did not state their practical experience | 3 | 7 | 4 | 5 | 8 | 27 |
| Students who are married | 10 | 11 | 2 | 6 | 10 | 39 |
| Students who are unmarried | 183 | 81 | 66 | 51 | 22 | 403 |

THE CONDITION OF THE FARMS

(April 20, 1912)

We now have a total acreage, as detailed at the end of this report, of about 658 acres, and rented land to the extent of 155 acres, making a total domain that we are now working of more than 800 acres. For the most part, this land is irregular, broken, and rolling, and the boundaries are also very irregular. It is the policy to extend our land eastward to the town line and southward to Ellis Hollow Road. If all the land within this area is finally secured for the College of Agriculture we shall have something like one thousand acres. It is advisable also that we own all the land in the triangle between the College and Varna. The land to the north across Beebe Lake (the Kline Farm) should also be owned by the institution as soon as it can be secured.

A college of agriculture must carry a large number and variety of live stock. This live stock may be supported wholly by forage that is purchased in the open market, or the forage may be produced on the University farms. After much discussion of this question running over a series of years, it is the opinion of all the persons in charge that it is better to run the University farms primarily

for the support of the herds. This means that we are doing forage-farming primarily, growing grass, alfalfa, and silage material. Therefore, we are only incidentally concerned in the raising of grains, potatoes, beans, and other similar crops. The returns from the farms, therefore, are expressed very little in the selling of produce, but rather in the value of the herd, in the selling of live stock, and in the selling of milk.

Aside from the general University farms, one piece of land is set aside for an orchard, another large area for poultry, and the larger part of the Mitchell farm for experimental plants.

Of course, the growing of the forage crops should be the best of its kind and we can use such crops for teaching; but not so much hand work is required in tillage and handling as in some other kinds of cropping. With almost every crop now growing on the farms, there are studies and illustrations of farm methods and more or less definite experiment. Sometimes we are making tests of new varieties, methods of fertilizing, modes of culture, and the like that yield data of considerable interest and value.

While there is much broken land that might be used profitably for pasturage, yet the demand for hay, straw, and silage is so great that we have not been able to set aside very large pasture fields, really not much more than enough to answer as good exercising ground for the stock that must be kept. This means that the system of feeding that we must pursue will consist very largely of soiling or of feeding from the silo throughout the season. To provide pasturage for our great amount of stock would require much land, and it would necessarily be so far removed from the College buildings as to make it of little value to the students. However, I wish it were possible to find rather cheap pasture land within easy reach of the College, that might be used at least for the young stock and dry stock.

The farms are gradually getting into shape. We have bought land more rapidly than we have increased our teams, labor, and facilities for improving the lands. We have not yet been able to put all the fences and roads in shape, or to do what draining is needed. These farms that we are buying have mostly been neglected for a good many years and they need much attention to get them into presentable shape. However, it will be found that the Mitchell farm and the other areas that we have had for some time are now really in presentable condition and will bear careful inspection.

Nearly all the land is rather a heavy clay. It is well adapted to such crops as wheat, oats, clover, and timothy, but not well adapted to corn or potatoes. However, by abundant manuring very fair corn can be produced. There are some areas of gravelly land that would grow corn to good advantage, but these areas will also grow alfalfa, and are so situated that it perhaps is good policy to keep them in this crop, so that they are left out from our rotation.

Probably the best rotation that can be adopted for the larger part of the land is (1) clover, (2) corn, (3) oats, (4) wheat. The amount of land within hauling distance of the barns is not sufficient to enable us to secure enough silage on a four-year rotation or on one-fourth of the land. We therefore have adopted the rotation: (1) clover, (2) corn, (3) corn, (4) oats, (5) wheat, making a five-year rotation and giving us two-fifths of the area in corn instead of one-fourth. The first crop of corn will be grown on the clover sod and the land will then be manured for the second crop of corn.

Since this rotation was adopted, several fields that were included in the scheme have been taken for other purposes. To make up for this loss, we are taking areas in the McGowan farm for corn-growing, but do not attempt to follow the rotation exactly on that land, since it does not belong to us. On the McGowan farm the sod is broken for corn, the corn followed by oats, and seeded with timothy and clover. It will then be mown as long as it produces satisfactory crops, when it will be broken again.

On the Southeast farm we have not carried out the scheme of cropping that was first adopted, the reason being that we found the land to be in worse condition than we had supposed. It was poorer in quality, required more drainage, and had to be cleared of stones.

Three years ago we did as much drainage on the farm as we thought was necessary to enable us to till it with a fair degree of satisfaction. Later experience has shown us that considerable drainage is still needed. Some of the areas have been brought into condition, so that they are producing satisfactorily, and others are doing fairly well. A part of it has not yet produced any return. This part is, in a measure, in an experiment to test the feasibility of bringing up poor land without resorting to manure or chemicals. Considering the nature and condition of the land and, also, distance from the farm buildings, it is probable that the scheme of farming on that part of the farms can best be one that makes hay production the principal object.

We should break the land whenever meadows fail, manure with city manure or commercial fertilizer, and seed down again as soon as feasible, using chemicals on the timothy sod to increase the yields of hay. We shall probably secure most benefit to the College as a whole by this method of farming.

Three fields next to the Ellis Hollow road have been set apart for the three-year potato rotation—potatoes, oats, clover. We are considerably disappointed in these fields. They are not so well adapted to potatoes as we hoped, being stony and with water seeping out from the hill beyond us. Of course these difficulties can be removed in time by drainage and clearing away the stones.

COLLEGE OF AGRICULTURE FARMS

(January, 1912)

| | Arable | Pasture | Wood and waste | Buildings and lots | Reserved | Total |
|--------------------------|-----------|-------------|----------------------|--------------------------|----------|-------------|
| Old Farm | 10 | ..... | 2.6 | 37 | ..... | 49.6 |
| Preswick Farm | 18 | 26 | 5.4 | ... | 6 | 55.4 |
| Mitchell Farm | 48 | 33.3 | 26 | 2.5 | ..... | 109.8 |
| Behrend Farm . . . . . | ..... | ..... | 35.5 | ..... | ..... | 35.5 |
| Mead Lot . . . . . | ..... | ..... | ..... | 5 | ..... | 5 |
| Smith Farm | 32 | 45.5 | 14 | .5 | ..... | 92 |
| Blair Farm | 91 | 7 | 7 | ..... | ..... | 105 |
| Cornell Farm | 20 | 30* | 6 | ..... | ..... | 56 |
| Southeast Farm | 80 | 13 | 6 | 1 | ..... | 100 |
| Hasbrook Farm | 42 | ..... | 8 | ..... | ..... | 50 |
| | <hr/> 341 | <hr/> 154.8 | <hr/> 110.5 | <hr/> 46 | <hr/> 6 | <hr/> 658.3 |

*The 30 acres of pasture land in the Cornell tract is not permanently under the control of the College.

RENTED LAND

| | | | | | | |
|--------------------------|-----|-------|-------|----------------------------|-------|-----|
| Mead Farm | 35 | ..... | ..... | ..... | ..... | 35 |
| McGowan Farm | 63 | 26 | 23 | 8 | ..... | 120 |
| | 98 | 26 | 23 | 8 | ..... | 155 |
| Arable land | 439 | acres | | | | |
| Main Farm rotation | 76 | } 141 | | | | |
| Southeast Farm | 65 | | | | | |
| Rented land | | | 98 | | | |
| Alfalfa meadows | 30 | | | | | |
| | | | 239 | Total for general cropping | | |
| Experiment plats | 45 | | | | | |
| Pomology | 50 | | | | | |
| Horticulture | 9 | | | | | |
| Plant Gardens | 10 | | | | | |
| Poultry | 42 | | | | | |

INVENTORY OF LIVE STOCK

I present herewith, catalogue of the animals in the Departments of Animal Husbandry and Poultry Husbandry, with approximate inventory values (May 1, 1912).

HORSES

| | |
|--------------------------------------|----------------------------------|
| 1 Hackney stallion | 16 work horses of various grades |
| 1 Percheron stallion | 3 driving horses |
| 4 Pure bred Percheron mares | 1 three-year old colt |
| 3 Pure bred Percheron yearling colts | 2 two-year old colts |
| 1 Pure bred Percheron suckling colt | 4 yearling colts |
| | 1 team mules |
| Approximate inventory value..... | \$12,300 |

CATTLE

| | |
|------------------|-------------------|
| 16 Holstein cows | 4 Short Horn cows |
| 3 " bulls | 1 " bull |
| 12 " heifers | 1 " heifer |
| 4 " calves | 2 " calves |
| 14 Jersey cows | 2 Guernsey cows |
| 1 " bull | 1 " bull |
| 2 " heifers | 5 " heifers |
| 3 " calves | 1 " calf |
| 6 Ayrshire cows | 9 grade cows |
| 1 " bull | Total—90 |
| 2 " calves | |

Approximate inventory value..... \$12,000

SHEEP

| | |
|----------------------|---|
| 6 Dorset sheep | 10 Shropshire sheep |
| 10 Rambouillet sheep | 46 mixed and grade sheep in early lamb flock about 75 lambs |

Approximate inventory value..... \$1,096

SWINE

| | |
|----------------------------------|------------------------|
| 2 Cheshire boars | 16 Cheshire young sows |
| 7 " brood sows | 40 suckling pigs |
| Approximate inventory value..... | \$570 |

POULTRY

| | |
|----------------------------------|------------|
| Ducks, 57 @ \$1.50 | \$85.50 |
| Geese, 8 @ \$2.50 | 20.00 |
| Fowls, 1,836 @ \$1.00 | 1,836.00 |
| Chicks, 1,654 @ 20c | 330.80 |
| Pheasants, 16 @ \$2.00 | 32.00 |
| Total value | \$2,304.30 |

The names of the breeds and varieties are as follows:

| | |
|-------------------------------|-------------------------------------|
| FOWLS | White Plymouth Rocks |
| Single Comb White Leghorns | Buff Wyandottes |
| Single Comb Brown Leghorns | White Wyandottes |
| Buff Leghorns | Light Brahmas |
| Anconas | Silky |
| Black Minorcas | Rumpless |
| Silver Spangled Hamburgs | Wild Gallus Bankiva male |
| Single Comb Rhode Island Reds | Buff Cochins Bantams |
| Buff Orphingtons | Cross-bred Barred Plymouth Rock and |
| White Orphingtons | White Leghorn, for experimental |
| Barred Plymouth Rocks | purposes |
| DUCKS | GEESE |
| White Pekin | Toulouse |
| Wild Mallard | |
| Rouen | PHEASANTS |
| Indian Runner | English Ring Neck |

MEANING OF THE HERDS

The animals are maintained primarily for instruction and for illustrative purposes. They are used also for experimental work. So far as possible, the various herds and flocks are maintained by breeding rather than by purchase, it being the aim constantly to improve the condition of the herd by selection and careful breeding and development. In this regard notable advance has been made in the productive capacity of the dairy herd and in the quality and weight of the swine. The breeding stud of horses and the flocks of sheep have only recently been established.

It is aimed to maintain the dairy herd at 50 to 60 producing cows, the capacity of the dairy stable being 54. This means the maintenance of approximately an equal number of young animals to replenish the herd as the older animals drop out. With this number we are able to keep a very good breeding herd of each of the five leading breeds of dairy cattle—Holstein, Jersey, Guernsey, Ayrshire, and Dairy Short Horns.

The sheep comprise a breeding flock of Rambouillets, Dorsets, and Shropshires, representing the leading types of wool and mutton sheep. It is aimed to maintain each flock at about 25 breeding ewes. In addition, we have an "early lamb flock", which at present is comprised of individuals of several breeds and of mixed breeding. From this flock, the ten earliest ewes produced each year are retained for breeding purposes, to establish a uniformly earlier producing strain.

Our facilities for keeping swine are very limited and it has been possible to keep representatives of only a single breed, but in this breed we have been successful in maintaining a leading position, starting from a single pair of animals about

ten years ago from which has been developing a herd of first-grade quality. In this time we have not only maintained the quality of the individuals, but have maintained, if not actually increased, the prolificacy.

The horses on the farm are kept primarily for labor, but we have established a breeding stud and although we have had our stallion for two years only, we have had one very good crop of colts.

In addition to these permanent herds and flocks, for illustrative material and for experimental work, it is intended in the future to purchase each year a carload of steers, a carload of lambs, and a carload of green horses, these to be kept during the winter and to be disposed of in the spring when they have served their purpose for experiment and instruction.

MEANING OF THE FOWLS

The poultry flocks are kept primarily for instruction and for investigation. These purposes are considered to be of about equal importance. The flocks provide the laboratory materials with which the Faculty and students work. They enable the teacher to apply the principles that are taught and the students to acquire knowledge and skill by contact. The flocks are also of value in providing instruction to the large number of persons who visit the College plant and the poultry farm.

The annual sales from the flocks amount to six or seven thousand dollars. This business provides an opportunity for students to become familiar with the commercial side of poultry farming, from both the productive and administrative sides.

From four to five thousand chicks are reared annually. The stock is reared on the poultry farm at Forest Home. The farm comprises about fifty acres. It is devoted largely to clover, alfalfa, mangels, and grain crops, to demonstrate a desirable system of rotation for a poultry farm, with the object of illustrating, by actual results, that the most profitable and only permanent poultry husbandry must be based on the keeping of poultry as a part of a regular system of farm cropping, maintaining the fertility and reducing the cost of maintenance.

All the work of hatching, rearing, feeding, and the like, is performed by students or persons who have received instruction in class. The farm is a laboratory for the teaching and "trying-out" of as many students as the facilities will permit. The working force, therefore, is frequently changing. The inexperienced persons are constantly taking the places of the experienced, the latter being recommended to positions of greater responsibility.

A breed-testing project is now well under way. The Poultry Department expects to give important assistance to poultrymen by trap-nesting flocks of fowls that are sent to be tested for prolificacy, quality of eggs, fertility, hatching power, and constitutional vigor. The chicks that are hatched from eggs laid by "qualified" hens are leg-banded and returned to the owners. By making it possible for poultrymen to breed from the most desirable hens, the Department has provided a way by which it is expected that the quality of the poultry in the State will be greatly improved.

The superior laying qualities of the College flocks justifies the expectation that similar results can be secured by poultrymen generally, if they practice proper methods of selection, breeding, and care. The most productive hen bred

or owned by any agricultural experiment station in the United States or Canada, so far as has yet been reported, is "Lady Cornell", No. 3211, a White Leghorn which produced, in her pullet year, 257 eggs and in the year following, 200 eggs, making a two-year record of 457 eggs. Other twelve-month records made by pullets in the College flocks are as follows: Pullet No. 3352 laid 245 eggs; the 15 highest producing pullets averaged 236 eggs each; the best single flock of pullets averaged 182 eggs each.

Twenty-nine flocks are used for investigational purposes, the following projects being now under way:

1. The testing of eight methods of feeding fowls.
2. A comparison of close confinement and range for egg-production.
3. Breeding to increase egg-production.
4. Breeding to improve the market quality of eggs.
5. A comparison of the effects of natural versus artificial hatching on egg-production, on fertility and hatching power of eggs, and on vigor of stock.
6. The effect of the removal of the thyroid glands on health, production, and reproduction of fowls (cooperation with Department of Physiology).
7. The effect of high fat and high protein content of the egg on the strength of chicks (cooperation with Department of Agricultural Chemistry).
8. Methods of keeping eggs for hatching.

DAIRY BUSINESS

The Dairy Department now leases and operates four receiving stations as follows: Sage (about 9 miles from Ithaca), North Lansing (about 13 miles from Ithaca), Howlands (about 10 miles from Ithaca), and West Groton (about 16 miles from Ithaca).

The buildings at these stations are rented by the Department, while the equipment is owned by the Department. The Department maintains and operates these stations in order to secure a supply of milk and cream for the instruction work in the dairy business. The capacities of these stations can be seen from the following figures for the last fiscal year:

SAGE

| | |
|--------------------------|-------------|
| Total lbs. milk received | 952,000 |
| Total lbs. fat received | 41,140 |
| Value of the above | \$13,772.77 |
| Number of patrons | 36 |
| Number of cows | 230 |

NORTH LANSING

| | |
|--------------------------|-------------|
| Total lbs. milk received | 1,452,600 |
| Total lbs. fat received | 63,710 |
| Value of the above | \$17,805.00 |
| Number of patrons | 64 |
| Number of cows | 422 |

HOWLANDS

| | |
|--------------------------|-------------|
| Total lbs. milk received | 1,190,600 |
| Total lbs. fat received | 51,283 |
| Value of the above | \$14,568.00 |
| Number of patrons | 53 |
| Number of cows | 300 |

WEST GROTON

(This station began Dec. 1st, 1910, and the following figures do not represent a complete fiscal year)

| | |
|--------------------------------|-------------|
| Total lbs. milk received | 1,002,000 |
| Total lbs. fat received | 47,480 |
| Value of the above | \$12,617.50 |
| Number of patrons | 53 |
| Number of cows | 290 |

MILK FROM DEPARTMENT OF ANIMAL HUSBANDRY

| | |
|-------------------------------|------------|
| Total lbs. milk received .. | 371,600 |
| Total lbs. fat received | 14,597 |
| Value of above | \$5,838.92 |

OTHER LOCAL MILK RECEIVED AT DAIRY BUILDING

| | |
|--------------------------------|-------------|
| Total lbs. milk received | 687,000 |
| Total lbs. fat received | 32,634 |
| Value of above | \$12,564.76 |
| Number of patrons | 42 |

CREAM RECEIVED FROM MEKEEL'S CREAMERIES

| | |
|---------------------------------|-------------|
| Total lbs. cream received | 158,000 |
| Total lbs. fat received | 56,474 |
| Value of the above | \$19,557.00 |

The above supplies continue throughout the entire year with the exception of the cream that we buy of Mekeel's creameries at Jacksonville, which is bought during the University year, primarily the three winter months, in order to provide sufficient product for all our instruction work. It is not possible for us to know definitely the total number of cows from which we receive products, but it is somewhere between 1,500 and 2,000.

The following is a condensed statement of the commercial work of the Dairy Department for the fiscal year, October 1, 1910, to September 30, 1911:

| | |
|---|--------------|
| Total lbs. of butter made | 322,174 |
| Total lbs. cheddar cheese made | 41,018 |
| Number of cottage cheese made | 16,849 |
| Number of club cheese made | 575 |
| Number of cream cheese made | 3,007 |
| Number of pimento cheese made | 673 |
| Quarts milk handled as bottled milk | 172,837 |
| Total amount paid to patrons | \$94,093.46 |
| Total amount received from commercial sales | \$106,180.78 |

The prices paid to patrons are based on New York quotations for butter, grade of extras. During the last few years our prices have always been above this quotation, usually not much above in the summer months, but several cents in the winter when we are most in need of milk for instruction.

The butter is sold chiefly to the Ithaca grocers at \$.02 above New York quotations for extras at the Dairy Department. Cheese prices are also based on New York quotations for "current make". The bottled milk is retailed at \$.07 a quart.

MISCELLANEOUS ACTIVITIES

The foregoing statements and tabulations will give some idea of the complexity and also the extent of an educational establishment for agriculture. The work articulates with so many public and private affairs, touches so many and so varied interests, and is so continuous throughout the year, that the burden on all members of the staff is very heavy. In the single matter of correspondence, for example, the pressure is great and practically uninterrupted. In the six months following October first, the Secretary's office of the College had written nearly five thousand separate letters, not including circulars, and the heaviest correspondence for the year was then to come. The office will probably average one thousand letters a month for the year, in addition to the official notices to students and Faculty, which notices and pieces of information will amount to ten thousand or fifteen thousand separate and individual items. In nearly six months following October first, the Department of Poultry Husbandry had written 4,282 letters in addition to issuing 1,182 form letters. These figures are indicative of the correspondence in the College at large. The pieces of mail that are handled by the mailing room, in second-class and other matter, of itself makes a large business; and yet the opportunities for service and the work that needs to be done are little more than touched here and there. The whole problem of rural life is as yet only imperfectly understood, and the means of reaching the situation are still very inadequately developed.

The College now comprises twenty-two teaching departments. At this writing there are thirty-five full professorships, twenty-one assistant professorships, and twenty-six instructorships. The total roster, including staff and also helpers of all kinds, is this year about two hundred and fifty. None of the departments has yet reached the normal limit of its growth, for the organization is recent and much of the work is novel. The members of the staff are working devotedly and almost without reserve. I am convinced that most of them are working too hard. They should have more assistance and better salaries. Productive intellectual work demands an element of leisure and opportunity for recuperation; and the best leadership requires a buoyant spirit.

In the past year, we have added one new and separate full professorship, that of Farm Crops, and Professor E. G. Montgomery of the University of Nebraska has been chosen for the place. Professor Montgomery has had good experience in teaching this subject and in the experimental work underlying it, and he brings to Cornell the best thought and outlook in his field.

We greatly deplore the resignation of Dr. B. M. Duggar, who is to become Research Professor of Plant Physiology at the Missouri Botanical Gardens. As Professor of Plant Physiology, Doctor Duggar has developed a most important piece of work in the College. His contribution has been the direct, able, and decisive work of the man of science, seeking truth for truth's sake, and maintaining the highest standards of scholarship and attainment.

Respectfully submitted,

L. H. BAILEY,

Director of the New York State College of Agriculture.

APPENDIX IX

REPORT OF THE DIRECTOR OF THE COLLEGE OF ARCHITECTURE

To the President of the University:

SIR: I have the honor to submit herewith the report of the College of Architecture for the academic year 1911-12.

There is little that is new to report. Another year's experience merely confirms and emphasizes needs already discussed in previous reports, and I can do little more than call further attention to them in the hope of at least some measure of relief.

The enrollment in the College of Architecture in 1906-07 was 82 students, an increase of 25% in two years. The following year the enrollment was 100 and in the next year 133. Since then the enrollment has remained between 130 and 140.

This year the graduating class is the largest in the history of the College, and with a normal entering class next year we should expect a drop in the total enrollment, due to the fact that for a period of three years, from 1907-08 to 1909-10, the entering classes were very large and the graduating classes very small, while since that time the entering classes have decreased slightly and the graduating classes are now at their largest. With the increase to more than 100 students in 1908-09 we were obliged to organize many of our courses in two sections rather than one, thus necessitating a considerable increase in the instructing staff. This increased staff can handle from 150 to 160 students nearly as well as 100 students and we cannot materially reduce the staff unless the enrollment drops again well toward or below 100. In other words, the instructing staff requires to be increased at certain intervals of the increase in the number of students, and the cost per capita of instruction reaches a minimum just before the largest classes have to be divided, and a maximum just after such division and while sections are small. Again, the increase in numbers tends in general to decrease the per capita cost of instruction in most courses because lecture work can be given to large classes nearly as well as to small classes and much of the routine work can be delegated to junior instructors under a competent head, though this probably is less true in the College of Architecture than in other colleges, and in our major subject, Design, it is not true at all except as results are directly sacrificed to save cost of instruction.

There has been some discussion as to the advisability of attempting to increase attendance in the College beyond present numbers, and there seem to be two opinions on the question. Considered merely as a matter of business, it is clear to me that we ought either to make every reasonable effort to increase the attendance or we should fix and announce a definite limit. I believe that the first is the better business proposition and that the second, in a university such as ours, is intolerable except as a last resort. To pursue a passive policy in the matter of attendance is in my opinion a mistake, tending as it does to eliminate aggressive

and progressive factors so essential to any live business, either educational or commercial, and such a policy must inevitably result in retrogression.

Many universities, particularly in the West and Middle West, are organizing departments or schools of architecture for professional training. In nearly all these, the state universities in particular, tuition is free or merely nominal, and some of these schools are attracting great numbers of students, one state university reporting over 300 students in architecture this year. Most of the eastern schools with which Cornell has always ranked are keeping in the lead by extensive advertising both in the public press and in special publications, by strengthening their faculties with the best talent available, and by paying salaries that will enable them to get practically whom they want. Between the pressure east and west there is no neutral ground of safety.

The question of room for doing our work seems as far from solution as ever. The year prior to moving into White Hall we had a total of 68 students enrolled in Architecture and in Painting. At that time we estimated that the maximum number we could care for in the proposed rooms in White and Franklin Halls, was 110 to 115 students. At this time all our work in Descriptive Geometry and Engineering was being given by the College of Civil Engineering and no account was taken of room required for this work which was soon after transferred to the College of Architecture. But even before the official transfer we were required to provide room for the classes, as room was no longer available in Lincoln Hall. For at least five years the men in charge of this work have had no fixed place where their classes could meet, and temporary rooms secured from term to term, sometimes in one building, sometimes in another, have seldom been adequate or properly equipped. For courses requiring an average of twenty-five sessions a week throughout the year, conducted wholly or in part by means of recitations or lectures, we have one and only one lecture room—so small that chairs have to be placed in the aisles to accommodate the larger classes in the College. Each year new arrangements with other departments of the University must be made, and where we are dependent upon the others for room we must wait until these other departments have arranged their schedules before we can be sure of our own. Not infrequently a class will have to meet one day in one room and another day in another room, either to take advantage of necessary equipment, or, it may be, merely to avoid conflict with classes having prior rights.

Our exceptionally well equipped and well lighted drafting rooms for the Departments of Design and of Drawing—rooms still large enough though holding now 25% more students than was thought possible five years ago—have led us to put up with inconveniences in other directions without complaining, until we now feel that the burden is not being carried by the instructing staff alone, but that the work is suffering and that the students are paying for it through inferior results; for no teacher can do good work year after year with conditions all against him as they are in some departments in this College.

In the matter of instruction and accomplishment the year has been a good one, notwithstanding material difficulties. The Department of Design started with practically a new organization; Professor Mauxion succeeding Professor Hebrard, and Assistant Professor Olin taking regular appointment to a position in the Department that for three years had been carried on temporary appointments through our inability to find a suitable man willing to take the work permanently.

Unfortunately Professor Olin was obliged to withdraw just before the holidays on account of ill health, and the vacancy was not filled until the middle of February when Mr. E. J. Stork, B.S. in Arch., Columbia University, was secured for the position.

In spite, however, of all difficulties, the work in this department has been of a very high order throughout the year and the spirit in the College has been extremely good. To change from one strong master to another, even though they be of the same school, in so dominating a subject as Design, is no small matter, yet in two competitions between the students in architecture at Harvard, Massachusetts Institute of Technology, Columbia, Pennsylvania, and Cornell, our students took second place in the competition open to seniors and graduates (though having no graduate students to represent us); and first place in the competition limited to third year men.

Owing to lack of funds we were unable to secure any nonresident lecturers during the early part of the year, but near the close of the year a series of happy circumstances brought several distinguished architects and old friends of the College to Ithaca, and we were favored with a number of unusually interesting and profitable lectures. Mr. Henry Atterbury Smith lectured on the latest development in the planning of healthful tenements in New York—the "Open Stair Tenement"; Mr. Frank Miles Day, Fellow and former President of the American Institute of Architects, lectured on "Modern English Houses"; Mr. A. B. Trowbridge, former Director of the College and a juror in the intercollegiate competition above mentioned, gave a most valuable criticism and discussion of drawings submitted by the several schools, the drawings then being on exhibition here; and Mr. R. H. Shreve, formerly instructor in the College, now with Carrere & Hastings, gave an informal lecture on "Efficiency in Professional Practice". All these lectures were given without honorarium, otherwise we would not have had them. It is, to say the least, a bit humiliating to seek lecturers on this basis and our efforts seldom meet with such success as this year.

Briefly summarized, the imperative needs of the College are: First, more room, particularly for recitations, lectures, and work in the Theory of Construction; second, at least \$500 a year additional for publicity, and another \$500 for nonresident lecturers; third, an average increase of at least 25% in salaries to enable us to secure and hold strong men on the Faculty.

These needs are not given in order of importance. They are all so fundamentally and imperatively necessary that none is secondary; and I wish to point out that with the added revenue from the advance in rate of tuition and increased numbers, the second and third requests could be granted in full and impose no greater financial burden upon the University than was carried for less than half the number of students prior to 1904-05 (see Report for 1910-11), and I do not believe we can afford to throw away all that we have worked so hard to create.

Respectfully submitted,

CLARENCE A. MARTIN,

Director of the College of Architecture.

APPENDIX X

REPORT OF THE DIRECTOR OF THE COLLEGE OF CIVIL
ENGINEERING

To the President of the University:

SIR: I have the honor to submit the following report for the College of Civil Engineering for the year 1911-12.

The registration for the year, as shown by the class roll-calls, has been as follows:

| | First Term | Second Term |
|------------------|---------------|----------------|
| Graduates | 8 | 9 |
| Seniors | 125 | 116 |
| Juniors | 138 | 131 |
| Sophomores | 127 | 124 |
| Freshmen | 142 | 129 |
| Total..... | 540 | 509 |

This list includes 12 graduates in the undergraduate courses. Of the new students, 3 entered the sophomore, 3 the junior, and 6 the senior class.

Instruction has also been given to students from other Colleges as follows:

| | First Term | Second Term |
|--------------------|---------------|----------------|
| Sibley | 10 | 85 |
| Architecture | 7 | 7 |
| Arts. | 11 | 7 |
| Agriculture | 12 | 5 |
| Graduates | 17 | 15 |
| Total. | 57 | 119 |

The year has been a prosperous one from the standpoint of work accomplished. The entering class numbered 142, which is 7 less than the year previous. The total registration was 540 for the first term, which is 12 less than for the corresponding period last year, while the registration for the second term is 509 or 27 less than a year ago.

Outside of the purchase of a few surveying instruments, nothing new was added to the equipment of the College during the year. We are in great need of a new 200,000 pound tensile and compression testing machine to care for work that falls between the capacities of our 100,000 and 400,000 pound machines; also a new impact machine, a new vibratory testing machine, and new standard machines for testing road material of all kinds. Our course in testing materials has been in great demand with our students during the last two years, and as it is an important field for the engineer, we hope to increase its usefulness by extending the facilities of our laboratory.

Our courses in hydraulics have been in great demand and it has been necessary to extend and improve to meet the requirements in this field which is one of growing importance. It was recently reported to President Taft by the United States Commissioner of Corporations, that it is possible to develop over 30,000,000 horse power from the water supply in this country. The Commission of Conservation of Canada in their 1911 Report estimate the undeveloped water power of the Dominion at 16,000,000 horse power.

During the first term our Hydraulic Laboratory was greatly overtaxed; in fact it was necessary to limit its uses to those students specializing in hydraulics, depriving others of a chance to do work that they desired to accomplish in this field.

Our courses in Concrete Construction have been in great demand. This work, I consider very important in view of the immense amount of construction work in which concrete is now used. The magnitude of this kind of work is well illustrated by the fact that the quantity of it being used in the construction of the Panama Canal, would be sufficient to lay a sidewalk nine feet in width and six inches thick, over twice around the earth.

A year ago the Faculty of the College made several changes in the regular four-year course leading to the degree of C.E. The object of these changes was to broaden the field during the senior year in particular, giving a student who knew for instance that he was going to devote his life work to the subject of railroads, an opportunity to devote more of his time to the needs of this field. A similar arrangement has been made for Geodetic, Hydraulic, Sanitary and Bridge Engineering.

The Faculty also voted to move the course in Surveying, known as the Junior Camp, forward to the end of the sophomore year and to lengthen the same to six weeks. The object of this change is twofold: to remove from the Campus a considerable part of the field work done there in the past, and to better fit our students for their survey work in the course in railroads which comes the first term of the junior year. This change necessitates holding two camps this summer. The regular Junior Camp will be in session as heretofore and cover the period from June 7 to July 6, 1912. The Sophomore Camp will be held in the intervals between August 14 and September 25, 1912.

All other instruction has been given as in the past with those changes which were needed to keep it fully up to date in each particular field.

By action of the Board of Trustees on June 21, 1911, on a recommendation of the College, plans for the enlargement of Lincoln Hall were placed in the hands of the Building Committee. The Committee engaged architects to prepare the project and at this writing it is nearing completion. It is to be hoped that money will be available at an early date to finance it. The College is in serious need of the space that would be added to the present building.

The College is also in need of a new Hydraulic Laboratory, a new Materials Testing Laboratory, and a new Astronomical Observatory. We have completely outgrown our surroundings and must have new ones and an increased outfit to keep up with the advancement of the science of engineering.

Respectfully submitted,

E. E. HASKELL,

Director of the College of Civil Engineering.

APPENDIX XI

REPORT OF THE ACTING DIRECTOR OF THE SIBLEY COLLEGE OF
MECHANICAL ENGINEERING

To the President of the University:

SIR: I have the honor to submit the following report for Sibley College for the year 1911-12.

The year which is now drawing to a close has been in general a prosperous one and progress has been made as usual in all departments. The only untoward incident which has occurred, was the serious accident which befell the Director of the College, and from the effects of which we all sincerely hope he will soon fully recover. During his absence from the College in the first term the administrative work of the College was ably conducted by a committee consisting of Professors Barnard, Diederichs, and Norris, with Professor Barnard as chairman. They have rendered invaluable service during the entire year in the administrative affairs of the College.

ATTENDANCE

In 1909-10 the attendance in the College rose to 1,186, and in the succeeding year the entrance requirements were very vigorously enforced. The standards of the work of the curriculum have also been more strictly enforced with a corresponding decrease in the number of deficient students. This has naturally resulted in a decrease in the total number attending the College, though part of this decrease is due to a general falling off in attendance in technical schools all over the country because of changed conditions in the industrial field. The experience of Sibley College has been that increased requirements always result in a temporary decreased attendance for two or three years, followed by a steady increase till the requirements are again raised. The fear has been expressed by some educators that the supply of technically educated men was increasing more rapidly than the demand, and that in a short time the saturation point would be reached. It is true that the demand for very high grade engineers is limited and the supply would quickly exceed the demand if all technical graduates were capable of rising to these higher positions. The scientific side of the engineering field has, however, grown so large and so complex that it is possible only to give, in the time allowable in College, the fundamental principles on which it rests, and the final development of the young engineer must be completed in the practical field. This is as it should be, because there are many other characteristics beside scientific attainment which are necessary for success in engineering. It has been found, however, that the study of these same fundamentals constitutes a most excellent educational basis for all forms of business connected with engineering and manufacturing, and a large proportion of the technical graduates of the schools of this country find excellent opportunities and remunerative positions in sales, managerial, and similar positions. This also is

logical, as it is obvious that some knowledge of the scientific basis of any industry is almost essential to intelligent business managership. While, therefore, the aim of Sibley College is and should be the training of the highest type of engineer, we may expect to have many students who are seeking a general industrial education, and we may expect therefore to provide for steadily increasing numbers, though the rate of growth will in all probability not be so great as formerly, due principally to the large number of colleges which have taken up this line of work, and the competition of the great state universities where no tuition is charged. If the standards of the College are maintained, I believe we shall continue to be crowded with students.

It would seem that the work of the College is meeting the demands of the practical field fairly well. An increasing number of manufacturers' representatives visit Sibley College every year for the purpose of obtaining men from the senior class, and many more accomplish the same end by means of correspondence. This year fifteen representatives have visited us up to date and already eighty men of the two hundred forty in the senior class have positions. More visitors are expected before the close of the term and no doubt many more men will be located in positions before Commencement. The work of the Employment Bureau, under Professor Ford, has grown steadily in volume and effectiveness, and has done much to facilitate this important work.

The most important items of interest of the work of the past year are appended by departments.

DEPARTMENT OF MECHANICS OF ENGINEERING

This new department is just completing its second year in a very successful manner. Development and rearrangement of this course is proceeding in a systematic manner, in order that it may be correlated perfectly with the other courses, and the success of the Department seems assured.

THE DEPARTMENT OF MACHINE CONSTRUCTION

The timely gift of Rand Hall will make it possible to bring the work of the Department of Machine Construction up to the highest standard. This is particularly true of the machine shop which formerly was the most congested part of Sibley College and hence was the limiting feature as regards the allowable number of students. It is expected that this new building will be ready for the Summer Session, and when it is opened for the fall term, 1912-13 with much new equipment, and new methods of instruction which the increased space has made possible, it will have no equal in the country.

DEPARTMENT OF MACHINE DESIGN

The work of the Department of Machine Design has been of the usual high standard, though accomplished under some difficulties. The problem of scheduling the work of such a large number of students, necessitates simultaneous instruction in Drawing to large numbers of men. The space available for this work is so limited that the sophomore, junior, and senior drawing rooms are greatly overcrowded, and the efficiency of instruction greatly reduced because of the lack of proper ventilation in any of these rooms, and because crowded

conditions result in more or less unavoidable noise which is very detrimental to this form of instruction. The completion of the proposed addition to the east end of the main building of Sibley College would give a much needed relief to this part of the work with a corresponding gain in efficiency. These new wings are also badly needed to provide recitation and lecture room facilities in which the College is now badly deficient.

DEPARTMENT OF EXPERIMENTAL ENGINEERING

No department of the College conducts its work under such difficulties as the Department of Experimental Engineering, and in no department is the efficiency of instruction higher. As far as laboratory apparatus is concerned, the Department compares favorably with any similar department in the country. This equipment has been augmented during the past year and the Hydraulics Laboratory has been thoroughly overhauled and put in first-class order so far as possible; but this entire equipment is wretchedly housed, some of it being in temporary out-buildings and some in dark basements. The new shop building will give some relief to this condition as far as space is concerned, by making more space available in the old shop building. This building, however, is no better structurally than the present Mechanical Laboratory, and is ill adapted to this kind of work. The relief which it affords can be looked upon only as a palliative. The one great need of the College at present is a new laboratory to house this important work properly. Complete detail plans for this building are now being worked out and it is hoped that funds for its erection may be soon forthcoming.

POWER ENGINEERING

During the absence of the Director, the extra load of instruction in the Department of Power Engineering has been carried by Professors Barnard and Hirshfeld. This added burden has been cheerfully carried, and the work of the Department has been kept up to standard and a considerable amount has been accomplished in the improvement and development of the work required of all Sibley College students. The course in the elements of heat-power engineering and their application will in the future be a continuous course from the first of the junior year to the end of the first term of the senior year, and a textbook is being developed to meet the needs of this work.

DEPARTMENT OF ELECTRICAL ENGINEERING

The work of the Department of Electrical Engineering has proceeded along the usual lines and only minor changes have been made in the courses. This department like the Mechanical Laboratory, though possessing a good equipment of machinery, suffers lamentably for lack of proper buildings to house the same. In this latter respect we were, till the erection of Rand Hall, considerably behind many small colleges. The new building will, however, partly remedy this and for the time being relieve the congestion of the electrical laboratories. The Department cannot be considered as properly equipped, however, till it has a laboratory building designed to meet its needs.

RESEARCH DEPARTMENT

No line of work is more worthy of attention or more important to the College than research, and much of the reputation of the College was created no doubt by the published reports of investigations made by its Faculty and students. During the period of rapid growth of the last ten years, it has taxed the College to provide space and apparatus for undergraduate instruction and some of the effort formerly put upon research was necessarily expended upon these undergraduate problems. With the organization of the Research Department, new life has appeared in this important branch, and during the past year a considerable amount of exceptionally fine work has been accomplished by students and Fellows under its direction. Considerable commercial testing and investigation have also been conducted, this being not only of scientific interest but of some financial benefit. The Department is sorely in need of both money and equipment in order to make its work fully effective. It is now dependent largely on the undergraduate laboratories for instruments and equipment in general. Provision is being made in the proposed new electrical and mechanical laboratories for a proper housing and equipping of the Department. Professor Carpenter gratefully acknowledges the great aid which he has received from the Departments of Chemistry and Physics in extending the use of their apparatus and rooms to some of our graduate students, without which aid the research work of Sibley College would be greatly curtailed.

THE NEEDS OF THE COLLEGE

To maintain high educational standards with large numbers of students and limited financial means, has been no light task and has resulted in heavy executive duties on some of those in charge of courses, with a consequent limiting of their opportunities to teach and study. Much time and thought have been expended on this and similar executive problems which arise only with large numbers and have no counterpart in small colleges. While a measurable degree of success has been attained in the solution of these problems, much more remains to be done. The most pressing needs of the College, however, are physical ones. It is true that the strength of any college is measured largely by the strength of its faculty; but, nevertheless, good material equipment is a great aid to technical education at least, and rightly or wrongly, technical schools are being judged to a large extent by the character and amount of their physical equipment. If Sibley College is to maintain its position in the front rank of technical colleges, important additions to its equipment must be made in the near future. From the foregoing report of departments it is seen that the most pressing needs in the relative order of their importance are as follows:

A new Mechanical Laboratory Building.

The proposed additions to the ends of the main building.

A new Electrical Laboratory Building.

It is earnestly hoped that the first two at least can be provided at a very early date.

Respectfully submitted,

DEXTER S. KIMBALL.

Acting Director of the Sibley College of Mechanical Engineering.

APPENDIX XII

REPORT OF THE DIRECTOR OF THE SCHOOL OF EDUCATION

To the President of the University:

SIR: I beg to report for the School of Education as follows:

REGISTRATION

The total registration in the classes taught in courses announced under the Department of the Science and Art of Education is 249; the total number of individual students, 128: 52 men and 76 women. Twelve men and six women are doing graduate work in Education. These numbers represent a substantial increase over last year. As pointed out in my report of last year, we need very much some means of offering pecuniary assistance to graduate students, in order to hold men of superior ability who wish to prepare themselves for leadership in the service. We, almost alone of the various departments of instruction, have neither graduate scholarships nor fellowships to offer promising students from abroad, nor to keep for a longer time the best of our own students here. We have not even the means of offering an assistant's position.

CERTAIN COURSES OF INSTRUCTION

Course 2a has been carried through the second term as a course in industrial education. We have once more to thank the President of the University for aid in this course, which has been given largely by Professor D. S. Kimball, who has given us the benefit of his knowledge of modern industrial conditions and their relations to public education. It has been of the highest value to all prospective teachers in the public schools, by giving them a comprehensive view of this special field in its proper relation to the whole problem of state education.

Course 6 has been extended by Professor Whipple to include all forms of "special class" instruction, the super-normal as well as the sub-normal type of children. Experimental work in the conducting of mental and physical tests of children has been carried on as far as possible with the limited means available. We need additional funds for the extension of this most important work.

ONE NOTABLE INVESTIGATION

A work of far reaching influence is the investigation in the educational laboratory by Doctor Whipple of a proposed new "key alphabet" for teaching children to read. It was claimed for the new alphabet (the invention of several distinguished philologists), that it simplified the problem of indicating in print the sounds of the English language. It had been presented to the Department of Superintendence of the National Educational Association at its annual

meeting in February, 1911, and a resolution favoring its adoption in the schools was passed at that time. Doctor Whipple undertook an investigation of the comparative merits of the new system and of the older one now most widely used, and discovered that the latter was by far the most efficient. His work in detail and its results were laid before the National Educational Association in July, 1911, and again at the meeting of the Department of Superintendence in February, 1912, with the result that the action taken last year was rescinded. The value of this study to thousands of schools could hardly be overestimated. Similar problems to the one just noted await solution. There is particular need now of the careful scrutiny of many new theories and of startling propositions for changes in our school programs. Patient investigation of these proposals by thoroughly trained scholars is both a help and a protection to our schools.

HELP FROM THE SUMMER SESSION

The organization and arrangement of the educational work of the Summer Session indicates in a fair way what we might hope to accomplish during the winter terms if we had the necessary teaching force. The cooperation of the various departments of instruction is, in general, no less cordial, but there is a pressure of work on the members of the teaching staff which does not permit, during the winter, extensive attention to the pedagogic side of their instruction. I do not think there should be separate departments of instruction in any field for prospective teachers of the subject, but it is very desirable that there should be in each field some attention—one course at least—to the theory and practice of presenting the science to young students.

CORNELL GRADUATES AS TEACHERS

The calls for teachers in all fields, particularly for secondary schools, are far beyond our ability to meet them. I should say that there are twenty-five requests to name teachers for every one which we can supply. These are most numerous in science subjects. Our graduates almost without exception make good in the field. Very little criticism is offered of their work and they progress rapidly to places in the cities with the most highly organized school systems, and paying the best salaries. For this reason, partly at least, the high schools in the smaller towns of New York State have now very few Cornell men connected with them, nor is the number increasing except in one field—special teachers of agriculture. I beg to refer to my report of last year (page LXIV), for information about this class of schools, and to repeat that the University, and the College of Arts and Science in particular, has a vital interest in their welfare.

In person I have endeavored to fulfil in various ways, as opportunity presented, some of the obligations of the University as an educational trust to the State system of public instruction. It has been my privilege to serve for the second time as president of the State Teachers Association and now to assist, as a member of the State Teachers Retirement Fund Board, in working out in detail the scheme inaugurated by the State of New York for retiring public school teachers. I have visited schools and have attended meetings of teachers in different districts of the State, and believe that the cordiality with which I have been received

everywhere is due recognition of the wisdom of the generous policy of the University which makes such work possible.

Respectfully submitted,

GEORGE P. BRISTOL,

Director of the School of Education.

APPENDIX XIII

REPORT OF THE DIRECTOR OF THE SUMMER SESSION

To the President of the University:

SIR: I beg to submit my seventh annual report as Director of the Summer Session, July 6 to August 16, 1912.

TEACHING STAFF

One hundred and two persons gave instruction, of whom 79 were members of the regular teaching force of the University the previous year and 23 were invited from elsewhere. A number of these have been here in previous years. New members of the staff this year are: John W. Baird, Assistant Professor of Psychology, Clark University; James F. Barker, Principal of the East Technical High School, Cleveland, Ohio; Nels A. Bengston, Assistant Professor of Geography and Geology, University of Nebraska; Frank D. Boynton, Superintendent of Schools, Ithaca, N. Y.; Walter Butterfield, Director of Music, Manchester, N. H.; Edgar A. Doll, University of Wisconsin; George M. Dutcher, Professor of History, Wesleyan University; William H. Elson, former Superintendent of Schools, Cleveland, Ohio; Joseph A. Wauchope, Head of the Department of Physics in the Mechanic Arts High School, St. Paul, Minn.; Bernice White, Director of Music in State Normal School, Fredericksburg, Va. Harvey W. Thayer, Preceptor in Princeton University, was a member of our Summer Session in 1906 and 1907 but had not been here since then. Dr. Walther Otto, Oberlehrer am alten Gymnasium, Bremen, Germany, came by special arrangement with the rector of that institution.

It is a pleasure to record the genuine and hearty interest in their work of the members of the Faculty. The spirit of helpfulness and of unselfish devotion to the interests of our students has been no less marked than in other years. The success of any educational work must depend primarily upon the teachers. Our Summer Session is successful and the men and women who carry on the work of instruction are entitled to the credit therefor.

STATISTICS OF ATTENDANCE

| | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 |
|--|------|------|------|------|------|------|------|
| Teaching staff | 62 | 68 | 71 | 79 | 99 | 101 | 108 |
| Number of students | 642 | 755 | 841 | 889 | 987 | 1029 | 1053 |
| Cornell University students of previous year. | 225 | 288 | 372 | 375 | 387 | 404 | 405 |

| | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 |
|-------------------------------------|------|------|------|------|------|------|------|
| Former Cornell students | 85 | 92 | 84 | 116 | 130 | 139 | 185 |
| Graduates of Cornell University . . | 23 | 19 | 15 | 22 | 37 | 28 | 34 |
| Graduates of other colleges | 129 | 131 | 125 | 141 | 145 | 185 | 172 |
| Non-graduates from other colleges . | 70 | 95 | 107 | 62 | 136 | 129 | 137 |
| Teachers | 263 | 302 | 294 | 331 | 377 | 400 | 437 |
| Holding first degree only | 133 | 123 | 173 | 153 | 164 | 190 | 200 |
| Holding second degree | 21 | 27 | 26 | 28 | 18 | 23 | 26 |
| New York State | 288 | 320 | 326 | 372 | 428 | 424 | 467 |
| Outside New York State | 354 | 435 | 515 | 517 | 559 | 605 | 586 |

Of the teachers in attendance there were engaged in teaching in:

| | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 |
|-----------------------------------|------|------|------|------|------|------|------|
| Colleges | 27 | 22 | 32 | 40 | 26 | 41 | 30 |
| Normal Schools | 15 | 18 | 12 | 15 | 15 | 13 | 10 |
| High Schools | 96 | 111 | 147 | 129 | 160 | 161 | 166 |
| Grammar or Elementary Schools . . | 95 | 120 | 82 | 131 | 134 | 100 | 135 |
| Private Schools | 26 | 17 | 8 | 11 | 3 | 6 | 15 |
| Superintendence and Supervision . | 6 | 14 | 13 | 21 | 39 | 79 | 81 |

Of these students 599 are men and 454 women.

GEOGRAPHICAL DISTRIBUTION OF TEACHERS

These teachers came from the following states: New York, 234; Pennsylvania, 123; New Jersey, 46; Maryland (with District of Columbia), 22; Massachusetts, 19; Virginia, 15; Connecticut, 9. Twenty other states are represented, each by a smaller number.

In addition to the students enumerated, 223 were registered in the Summer School in Agriculture. This makes (excluding duplicates) a total of 1,264 regularly registered students. In addition to them there are quite a number of students pursuing work in the Graduate School, and further, of persons carrying on independent study here. The total number of persons resident at the University in the summer may be about 1500. It is evident that the plant of the University is not allowed to lie idle during any considerable portion of the year.

SUMMER SCHOOL IN AGRICULTURE

The State College of Agriculture has maintained for the second year a summer school of highly efficient character and attended by a goodly number of well qualified students. The field of profitable work was clearer because of the experience of 1911. This year better arrangements have been made for relating the work of the summer to the educational interests of New York State, and the assistance given superintendents and teachers from New York and from other states has been very valuable. We have found that quite a number of students, teachers especially, wish to take work both in agriculture and in some other department of instruction. Arrangements have been made for meeting this demand and a mutually helpful spirit of cooperation has existed on both sides. The close relation of agricultural science and its teaching to the fundamental sciences upon which it rests, prevents the maintenance of a sharp line of division in the work of many students, even were such division desirable. Aside from the special pedagogy involved in the teaching of agricultural subjects proper, the principles of education and its psychological basis are common to all teaching. A

broader and sounder view of his own special subject will be gained by the teacher who studies these and similar branches in common with teachers in fields other than his own.

OBSERVATION SCHOOL

This year for the first time we have been able, through the cooperation of the Superintendent of Schools and the Board of Education of Ithaca, N. Y., to make use of the public schools for demonstration and observation. Superintendent Boynton, as a regular member of the Faculty, has given five mornings of the week, a lecture on the teaching of some grade of school or on the special method of some particular subject. His class have then spent the next period in observing in the East Hill School the teaching of this subject by some of the regular teachers of the city system. This has been followed by a period for discussion and conference upon the work under observation. Six teachers were engaged for the actual work of instruction and regular school exercises have been maintained for a half day session five days in the week throughout the Summer Session. The response to the opportunity for this extra amount of schooling was unexpectedly large. Each grade of the elementary school has been represented by a good sized class, and in addition several high school subjects have been taught. Doctor Boynton has had the work well in hand and his careful planning and efficient administration, no less than his own instruction, have been admirable. The plan has supplied for our Summer Session a feature of much importance and points the way for future development in the work of education during the regular year.

VARIOUS DEPARTMENTS

In music the course was extended this year so as to require attendance during four Summer Sessions, instead of three, to complete work sufficient for a certificate indicating fit preparation for a supervisorship. The number of students taking music exclusively has risen from 99 last year to 140. The Faculty is practically the same as last year. Their work has been energetic, intelligent, and productive of the best results. The only embarrassment has arisen from lack of sufficient accommodation. Barnes Hall and the Chapel do not furnish the amount of room which is needed. The problem of housing the Department properly next year is a puzzling one. I believe we could manage for one year if we could have the use of the Sage College Cottage. For the following year it seems to me that Sage College might well be devoted exclusively to the students of music. The first floor would give sufficient rooms for practice. Nearly all the students might be lodged in the building to their mutual convenience and comfort. If the plan should commend itself, I think the arrangement would be an ideal one.

The Schiff Foundation for enlargement in the teaching of German has permitted the engagement this summer of Doctor Walther Otto, Oberlehrer am alten Gymnasium, Bremen, Germany, as a member of the Department of German. Dr. Otto is not only a man of fine general culture and education but an experienced and efficient teacher. He had the advantage of previous residence in the United States and the knowledge of our educational conditions resulting therefrom. He has conducted two advanced courses during the Session, one of them exclusively in German, and in addition has given five evening lectures in German on various topics of contemporary German life and society. These lectures, given in German,

and illustrated where desirable with lantern views, or in the lectures on popular poetry, by songs, have been largely attended and have proved successful and of great educational value. Doctor Otto's presence and work here have been directly in the line of the purposes contemplated by Mr. Schiff in that they have contributed to a wider and truer knowledge of his native country, its people, its institutions, and its ideals.

Another means of improvement for teachers of German was the maintaining in the Sage College dining room of a table at which German exclusively was spoken. To do this effectively was a task of considerable difficulty. The head of the table was taken by Miss Elizabeth Undritz, a graduate of the University. She has made the experiment an unqualified success and there can be no question of the desirability of continuing the plan.

Professor Bauer has given, with much acceptance, a course in accounting. There has been a pretty steady demand for courses of this kind and also for instruction in other lines of work bearing more or less directly on business and on teaching in commercial and industrial high schools as well. It may be well for us to enlarge the scope of our work in this line. Economics, business management, and industrialism are closely related at the present time in public education. I feel that our program has not made sufficient provision in this large and important field.

Closely related to the field just mentioned is that of industrial geography. The course in this subject has been enlarged and extended this year, excursions have been more frequent, and the results have been correspondingly satisfactory. There is sure to be a steadily increasing demand for this work.

Our industrial education work has been carried on in substantially the same lines which we have followed since its inauguration six years ago. We have changed somewhat this year the nature of the daily lectures in this field. The first part of the course was given by Professor Kimball, who presented the general nature of the problem and its historical aspects. He was followed by Principal James F. Barker of the East Technical High School, Cleveland, Ohio. Mr. Barker, who has organized one of the most successful, as it is one of the largest, of the great technical high schools, treated of the various relations to each other of the subjects involved in industrial education, and of their organization into a system, detailing the various kinds of schools now proposed to meet these various problems. He was followed by Mr. Arthur D. Dean, Chief of the Division of Vocational Schools of the New York State Department of Education. Mr. Dean treated of the aspects of a state educational system to education, and specifically of the development of industrial and trades schools in this State.

This course of lectures was of unusual value and, supplemented by the conferences held each Wednesday evening throughout the Session, served to give a philosophical basis for all the work of the department and to coordinate and systematize the individual courses in specific branches. A new type of school is coming up in New York State and elsewhere. I do not mean the great trade schools of the cities, but the high school of the smaller town which is taking on vocational and industrial training. This new work takes the form of mechanic arts in towns where manufacturing interests are found and of agriculture in towns where this is the prevailing interest. The old curriculum must be and is being modified. It is of the highest importance that the teachers in the new subjects

should be broad minded men and women, not blind to the stable and continuing merits of the time-honored studies, and it is of equal importance that the teachers in the older subjects, and above all the principals of these schools, should be able to keep a true balance between the old and the new. There are over four hundred high schools in the State of New York in small towns, and I think it is safe to say that the majority of them today are not giving the service they might give, and may reasonably be asked to give to their communities. It is important that the representatives of the older type of school should welcome these newer developments and try to harmonize both. A stubborn, unreasoning position cannot fail to invite or beget a spirit of hostility which may prove disastrous to the best interests of the school. I am glad to report that the leaders of our industrial education work have kept this attitude firmly. The true development of the schools just referred to has been a steady aim with them. No one could emphasize more strongly the need for solid general training than Professor Kimball and Mr. Dean. The University, and the Summer Session in particular because of the possibilities in it of reaching teachers direct from the field, has a splendid opportunity, no less than a bounden duty to exercise its influence for the best solution of this problem in education.

The work in physical education has shown steady growth and a corresponding efficiency. It may be regarded as an established and necessary part of our summer educational work.

GENERAL MATTERS

The lectures on Monday evenings throughout the Session have been for five years devoted to some topic in science. This year the series was given by Professor J. S. Shearer, who chose for his topic, "The Physics of Music and of Musical Instruments". They have been thoroughly appreciated. While strictly scientific rather than popular, they have been expressed in simple, direct language and illustrated with all the richness which the wealth of equipment at Rockefeller Hall makes possible. We have had lectures of a more popular nature on Friday evenings of the course. These were given by Professor Kimball on "The Mountains and Waterfalls of the Pacific Coast"; Professor Moler on the "Panama Canal"; Mr. MacCaughey on the "Islands of the Pacific"; Mr. Frederick S. Crum, a graduate of the University, now a resident of Newark, N. J., on "The Life Saving Service of the United States Government". Dr. Homer B. Sprague gave three lectures on Shakespeare to audiences which taxed the capacity of the auditorium in Goldwin Smith Hall.

In addition to these lectures, there have been a number of general public interest in connection with various departments. On Tuesday and Thursday evenings Mr. Johnston continued his organ recitals, and the Chapel has been crowded each time. One of the most satisfactory of the evening events was the concert given by soloists and the chorus of the Department of Music. A novel and interesting feature this year was the folk dances given by Miss Sameth's class under her direction on the lawn south of Sage College.

The excursions on Saturdays and on afternoons of other week days have been unusually well attended this year and successful from the standpoint both of the student wishing scientific acquaintance with nature, and of the student seeking enjoyment and recreation in the open. It is a matter for congratulation that we

have been able to conduct excursions to points so remote from Ithaca as Niagara Falls in one direction and Wilkes-Barre in the other without any accident to mar their success or pleasure. The kindly and efficient cooperation of the local officials of the Lehigh Valley Railroad in bringing about this result is gratefully acknowledged. The dances on Saturday evening have been given in the Armory which has been none too large for the numbers attending them. They have gone off without regrettable incidents of any kind. The large number of people at Sage College have been thoroughly comfortable and under the efficient guidance of Mrs. Barbour have had a most pleasant home there.

Reviewing the work of the Summer Session the following results may be noted: First, it has extended the time possible for college work to students in residence during the winter; second, it has afforded to a large number of teachers and others engaged in active work during most of the year an opportunity for university instruction, for inspiration, and enlargement which are sure to come from residence at a great university; third, it cannot fail to extend the knowledge of the advantages and merits of Cornell in quarters where they are insufficiently known; and lastly, the Summer Session is one way, and an important way, of meeting the obligations of a great educational trust, for that is what every university worthy the name must be.

Respectfully submitted,

GEORGE P. BRISTOL,

Director of the Summer Session.

APPENDIX XIV

REPORT OF THE ADVISER OF WOMEN

To the President of the University:

SIR: I have the honor to submit my report as Adviser of Women for the academic year 1911-12.

The total number of women registered in the University this year was 447 against 428 last year. This is the largest number ever registered. Their registration by colleges was as follows:

| Grad. | Arts | Law | Medical | Agr. | Arch. | Total | Duplicates | Net Total |
|-------|------|-----|---------|------|-------|-------|------------|-----------|
| 70 | 244 | 1 | 21 | 121 | 2 | 459 | 12 | 447 |

The number of women registered in the College of Arts and Sciences continues to decrease while the number in the College of Agriculture increases. The strength of this tendency is shown in the following table:

| | Arts | Agr. |
|---------------|------|------|
| 1907-08 | 313 | 22 |
| 1908-09 | 309 | 27 |
| 1909-10 | 274 | 57 |
| 1910-11 | 262 | 90 |
| 1911-12 | 244 | 121 |

The greater part of this increase in Agriculture is due to the growth of the Department of Home Economics; but the number of women seeking training in agriculture proper, specializing in such subjects as horticulture, fruit growing, dairy and poultry husbandry, rural art, and rural education, is by no means inconsiderable. As I pointed out last year, this shifting from the College of Arts and Sciences to the College of Agriculture does not imply an increasing tendency on the part of women students to seek vocational training. It implies only a more intelligent response to the widening vocational opportunities of the curriculum and of life.

The number of women registered at the office of the Adviser of Women during the first semester was 396; during the second semester 392. The following table shows their distribution according to place of residence:

| | First Semester | Second Semester |
|---|----------------|-----------------|
| University dormitories { Sage College | 184 | 184 |
| { Sage Cottage | 29 | 26 |
| { Total | 213 | 210 |
| Alumnae House | 14 | 14 |
| Mrs. Kerr's House | 11 | 12 |
| At home | 61 | 61 |
| At work in private families | 17 | 16 |
| Scattered | 80 | 79 |
| Total outside dormitories | 183 | 182 |
| Total registered | 396 | 392 |

The number of women designated as scattered is considerably larger this year than heretofore. This is due to the fact that, with the new dormitory in prospect, it has not been possible to induce householders to convert houses of any considerable size to the use of women students. It has been necessary, therefore, to provide for an increasing number in small groups of two, three, or four; and the difficulty of supervision is, of course, correspondingly increased.

It will be noted that the number of women living outside the dormitories, exclusive of those in their own homes, is not far from 125. These together with the 25 or 30 now housed in Sage Cottage will at once fill almost all the additional space provided by Prudence Risley Hall. If the number of women continues to increase, as seems not unlikely with the development of the Department of Home Economics, the University will be obliged to face again very shortly this problem of supplementing its dormitory facilities.

Health conditions throughout the year have been excellent. There has been only one case of contagious disease—measles—and that not in the dormitory. Four operations for appendicitis have been performed, all entirely successful. One case of typhoid occurred immediately after the opening of college, the disease having been contracted in the student's home town. There has been no other serious physical illness. Early in the year, however, there was a case of serious mental collapse, occurring under conditions not unlike those accompanying a similar case reported last year. The student was a new comer, already on the verge of a nervous breakdown on her arrival, and coming in the hope that change of scene and occupation might avert disaster.

I am inclined to think that the time has come when the practicability of fixing a more positive physical standard for admission should be carefully considered.

At present we feel ourselves justified in refusing admission to a student only if her physical condition is such as to constitute her a menace to other students. In all other cases of physical deficiency we can only advise. Each year we receive a few girls who are physically unfit to take up the work of the University; who need special diet, careful nursing, and constant care, such as the dormitory, or the boarding house, is entirely unprepared to give; and whose presence here tends to lower the general standard of health and physical efficiency, and possibly also of scholarship. Some means should be found either of preventing the admission of such cases or of eliminating them promptly. If the fixing of a physical standard for admission is impracticable, and the only means of determining a student's fitness for the work is to admit her and let her attempt it, then it ought at least to be impossible for her to present successfully the plea of impaired physical health in mitigation of a deficiency in scholarship. Until a practicable and satisfactory physical standard for admission can be determined, I shall welcome the extension of a policy adopted in one case this year by the Committee on Academic Records of the College of Arts and Sciences, in accordance with which a student deficient in scholarship, presumably because of impaired physical health, was denied readmission to the University until she should present satisfactory evidence that her physical condition would admit of her doing her work with credit to herself and the University.

The work of the newly appointed medical examiner, Dr. Parker, has been most satisfactory. The physical examinations have been made with the greatest care and a large amount of corrective work has been carefully prescribed and carried out with gratifying results. The new arrangement, by which the medical examiner gives a dispensary hour each day at her office, has proved extremely valuable, as have also the few lectures on hygiene which it has been possible for her to give. This work of instruction in hygiene should, however, be greatly expanded and emphasized. This was one of the subjects that received extended discussion both at the conference of women deans held in connection with the meetings of the Association of Collegiate Alumnae last fall, and at the conference of the deans of women of the state universities in December. Many of the institutions represented, I am inclined to think most of them, have required courses in hygiene for their women. This is as it should be. The University should make it possible for the medical examiner to expand this instruction, which she is now obliged to give more or less casually and incidentally, into a regular course covering at least one semester which shall be required of all entering women and shall receive University credit.

The business management of the dormitory has remained this year in the hands of the Adviser of Women. While this work of dormitory management has required the expenditure of time and energy much needed for other work belonging more strictly in the province of the Adviser of Women, I cannot regret having undertaken it. The experience has proved valuable in the most unexpected connections and has given me a grasp of the whole administrative problem involved in the presence of women in a great university that could probably have come to me in no other way. At the same time I feel that I have exhausted whatever of value the experience could yield to the proper work of the Adviser of Women, and it is therefore with a great sense of relief that I relinquish the task to Mr. Tree.

The main work of the year has been, as heretofore, the work of assisting the individual student by means of personal conferences, suggested literature, etc., to utilize as fully as possible the opportunities offered in the University. During the year I have had at least one personal conference with every undergraduate woman in the University except a few who, I knew, had already made definite choice of a life purpose and were following a prescribed course. In many cases these conferences were repeated; in some cases they were frequent.

This part of my work has been to myself, at least, more satisfactory than any other because it has seemed to me to be an effort, however inadequate, to meet a real and growing need not otherwise met in the University. I was gratified, therefore, to find in a series of articles on "The American Undergraduate", published in the Century Magazine this year, emphatic recognition of the existence of such a need in our colleges. The writer makes a strong plea for the direction of college students to their proper callings and then continues (I quote somewhat at length):

The College is under deep obligation to serve the nation not merely by presenting a great number of excellent subjects, which, if properly selected, will land the young man in positions of leadership and usefulness; but it may and must go beyond this negative education, and assist the student actually to form his life purpose.

American institutions of learning are at present neglecting an opportunity *par excellence* for presenting different phases of life work to undergraduates, especially emphasizing the relation of this life work to the great branches of leadership and modern enterprise. There are hundreds of students being graduated from our institutions today who have not decided what they are to do in after life. Even if we assume that these men are prepared in an all-round way for life, it must be realized that they are severely handicapped by the necessity of trying different lines of work for years after graduation before fixing upon their permanent vocation. They not only miss the tremendous advantage of enthusiasm and impulse of the young, but they are also in danger of drifting rather than of moving forward with positive and aggressive activity.

I see no possibility of bringing undergraduates to a decision of their proper life work without the assistance of a new office in our educational institutions. A man is needed who can treat with students with real human interest, as well as with teaching intelligence. He should not be the college pastor, who is looked upon as a professional religionist, and therefore shunned by many students who need him most, but one definitely and actively responsible for the development of leadership. He should be a close student of college affairs, sympathetic with students, human, high-minded, natural, and keenly alive to humor and social interests. In some institutions this man might hold the leadership in philanthropic, religious, and social service interests. It might be his privilege to arrange lectures by leading men of the country who were filled with zeal for their callings. The man who could make possible the endowment of such a chair in a great university would be doing a great work for his country.

The writer of these articles is apparently oblivious of the fact that the American undergraduate of today is almost as likely to be a woman as to be a man. He is writing throughout of the characteristics and needs of men students; but I am convinced that the need here recognized exists even more urgently in the case of undergraduate women. In the case of the boy all the social forces about him—the family, the school, and the community—have generally conspired to compel a more or less intelligent consideration of the possibilities open to him in the light of his own aptitudes, and he has either made an intelligent choice or he is looking for light and guidance. In the case of the girl the same influences have proceeded upon the assumption that there is but one permanent vocation legitimately open

to her, no matter what her special aptitudes; that for this she needs no special training; and that while she is waiting for the opportunity to enter upon it, she cannot do better than to support herself by means of the eminently safe and respectable work of teaching. This is no caricature. My conferences with students have convinced me that not more than one girl in twenty-five of those who at entrance announce their intention of teaching, has made any definite, conscious choice. Either, coming to the University to prepare for self-support, the girl has chosen the one vocation for which she knew it would prepare her, ignorant of all other possibilities open to her and quite without consideration of her own fitness for the work; or, the choice has been imposed upon her by her family, equally ignorant of other possibilities, equally without consideration of her fitness, and often in spite of her own reluctance. The fathers have proved particularly unwilling that the daughters should step aside from the well worn path into newer fields of endeavor. In the case of its feminine members at least, survivals of the *patria potestas* still exist in the modern democratic family. The father who would feel in conscience bound to leave his seventeen year old son entirely untrammelled in his choice of a life work, does not hesitate to threaten his nineteen-year-old daughter with withdrawal of financial support if she persists in her intention of turning her back upon the one "gainful occupation" of the higher sort in which her presence is accepted without question and which seems to him so safe, so socially desirable, and so *easy*—in short, so altogether suited to the capacities of women.

This work of guidance—I omit the adjective vocational because the work goes deeper than the mere choice of a vocation—becomes, therefore, in the case of the woman student, particularly delicate and difficult and deeply significant socially. If it is to accomplish its full measure of good it must have the complete understanding and the sympathetic approval of all members of the Faculty who are dealing with women students. If through lack of information, or of social wisdom, or of moral power on the part of the Adviser, it does not deserve and cannot command such approval, it can only be socially mischievous and should not be tolerated by the University. If, on the other hand, it meets adequately a real academic need and deserves therefore academic recognition, the University, in refusing such recognition, does all that it can to render the work ineffective.

The one great educational need of the women in the University today seems to me to arise out of the existence of the same feeling that prompts the present attitude of a part of the University toward the work and office of the Adviser of Women—namely, an unwillingness to admit that the institution is really and permanently committed to the policy of co-education; a feeling that the presence of women somehow renders it inferior to the other great eastern universities; a hope that by some arrangement the stigma of co-education may be removed and the institution may be admitted without question to that august sisterhood; a determination to keep it meanwhile, in curriculum and in atmosphere, as distinctly a man's institution as possible. Understand, I am not condemning this attitude of mind; I am merely describing it. It is not inconceivable that Cornell might perform a greater social service without co-education than with it.

This, it seems to me, is the question that the institution must sooner or later face and determine. If it is to become a man's institution only, then its problem is the comparatively simple one of development along lines already established.

If it is to remain co-educational—or, more accurately, if it is to *become* co-educational—it cannot much longer evade its obligation to give to the problem of the education of women the same serious consideration that it has already given to that of the education of men. One phase of the whole problem the University has, indeed, faced and made an effort to meet, in the creation and development of the Department of Home Economics; but this is no more a solution of the whole problem of the education of the women than was the creation of the Department of Engineering a solution of the whole problem of the education of the men. The whole question is something bigger than the establishment of a new department or of any number of new departments. It is not a question for a day or a month or a year, but for many years; and its profound social significance entitles it to call to its aid and retain in its service the best minds of the University. It would seem to me that the University could take no wiser step than to create from its Faculty a Committee on the Education of Women in the University which should take at least the initial steps toward effective consideration of this problem.

Respectfully submitted,

GERTRUDE S. MARTIN.

Adviser of Women.

APPENDIX XV

REPORT OF THE REGISTRAR

To the President of the University:

SIR: I have the honor to submit herewith my sixteenth annual report as Registrar of the University. The report covers the academic year 1911-12, including the Summer Session of 1912.

| | THE YEAR | | | | |
|--|--------------------|--------------|---------------|---------------|-------|
| | Days In Session | Sun- days | Holi- days | Vaca- tion | Total |
| First term, Sept. 25-Feb. 7 | 103 | 17 | 3 | .. | 123 |
| First term, vacation, Feb. 8, 9 | .. | .. | .. | 2 | 2 |
| Christmas vacation, Dec. 21-Jan. 2 | .. | .. | .. | 13 | 13 |
| Second term, Feb. 10-June 13 | 102 | 17 | 1 | .. | 120 |
| Easter vacation, April 4-April 8 | .. | .. | .. | 5 | 5 |
| Summer vacation, June 14-July 5 | .. | .. | .. | 22 | 22 |
| Summer Session, July 6-Aug. 16 | 36 | 6 | .. | .. | 42 |
| Summer vacation, Aug. 17-Sept. 22 | .. | .. | .. | 37 | 37 |

In addition to the 241 days in session given above, the University Library was open every day in the year except holidays and there was no time during the year when college activities entirely ceased. The shops and some of the laboratories were also open during nearly all the vacation period.

STUDENTS

The table given on page (LXXXIV), which shows the attendance for 1911-12, gives the number of students who have received instruction this year, including

those in the 1912 Summer Session, in the 1912 Summer School in Agriculture, and in the 1911-12 Winter Courses in Agriculture, but excluding duplicates, as 5,848, an increase over last year's attendance of 224.

The accompanying table shows the attendance in each course since the opening of the University in 1868. Previous to 1897 optional and special students were separately tabulated, but now these are distributed as far as possible among the groups to which they belong.

The attendance for the year is the largest in the history of the University and the increase in the number of regular students this year is 184. Special attention is called to the fact that the above table includes winter and summer course students only as separately tabulated.

MATRICULATES

The following table shows that 2,067 students have registered during the present year for the first time. The table also shows the method of admission. Students entering for the first time in the Summer Session and in the Summer School in Agriculture are not considered as matriculants, but for convenience are listed in this table.

| | | | |
|----------------------------|------|----------------------------------|-----|
| Graduates..... | 80 | Coll. Ent. Board Exams | 18 |
| Advanced standing | 200 | Medical (N. Y. City) | 43 |
| Regents' credentials | 420 | Medical (Ithaca)..... | 1 |
| School certificates | 517 | Veterinary students | 33 |
| By examination..... | 12 | Summer session (1912)..... | 464 |
| As special students | 130 | Summer School in Agr. (1912).... | 149 |
| Total..... | 2067 | | |

The small number entering by some of the above methods is due to the fact that two or more methods have been combined in a single case, the student, however, being listed in the group to which the major portion of his entrance belongs.

ADMISSION FROM OTHER COLLEGES AND UNIVERSITIES

The Registrar has charge of all credentials presented by applicants coming from other institutions. This system has given uniformity of action on similar certificates when the applicants enter different colleges at this University.

In the following lists should be included properly a number of cases of special students who, coming from other colleges, would have been eligible for admission to advanced standing. Such students, however, preferred to be admitted as specials. Some later changed to a regular course but are not included in these tables.

The number of students admitted to advanced standing as candidates for the first degree during the past twenty-six years is, as nearly as may be ascertained, as follows. The former courses in Chemistry, Pharmacy, Medical Preparatory, and Optional have been omitted from the table but the numbers have been retained in the totals:

| Year | Arts | Phil. | Let. | Sci. | Agri. | Arch. | Civil Eng. | Mech. Eng. | For- estry | Law* | Vet. | Med. | No. of Cases |
|---------|------|-------|------|------|-------|-------|------------|------------|---------------|------|------|------|-----------------|
| 1886-87 | 2 | 8 | 1 | 4 | 1 | 4 | 6 | 18 | .. | .. | .. | .. | 50 |
| 1887-88 | 6 | 4 | 1 | 1 | .. | .. | 11 | 10 | .. | .. | .. | .. | 37 |
| 1888-89 | 5 | .. | 6 | 6 | 1 | 2 | 12 | 21 | .. | .. | .. | .. | 58 |

ATTENDANCE FOR THE YEAR 1911-12

| DEPT. & COLL. DEGREES CLASSIFICATION | GRADUATE A.M., Ph.D., M.M.E., Etc., | | ARTS & SCIENCES A.B. | | LAW LL.B. | | MEDICINE M.D. | | AGRICULTURE B.S. in Agr. | | VETERINARY D.V.M. | |
|--------------------------------------|-------------------------------------|-------|----------------------|-------|-----------------|-------|----------------|-------|--------------------------|-------|-------------------|-------|
| | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women |
| Graduates | 313 | 70 | 383 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Freshmen | ... | ... | 271 | 64 | 335 | ... | ... | ... | ... | ... | ... | ... |
| Sophomores | ... | ... | 271 | 66 | 337 | ... | ... | ... | ... | ... | ... | ... |
| Juniors | ... | ... | 110 | 34 | 144 | 48 | ... | ... | ... | ... | ... | ... |
| Seniors | ... | ... | 125 | 74 | 199 | 38 | 9 | 2 | 11 | 83 | 11 | 94 |
| 1st Year Class | ... | ... | ... | ... | ... | 137 | ... | ... | ... | ... | ... | ... |
| 2d Year Class | ... | ... | ... | ... | ... | 34 | ... | ... | ... | ... | ... | ... |
| 3d Year Class | ... | ... | ... | ... | ... | 22 | ... | ... | ... | ... | ... | ... |
| 4th Year Class | ... | ... | ... | ... | ... | 15 | ... | ... | ... | ... | ... | ... |
| Specials | ... | ... | ... | ... | ... | 13 | 24 | 7 | 31 | 155 | 23 | 178 |
| Totals | 313 | 70 | 383 | 787 | 244 | 1031 | 327 | 1 | 328 | 97 | 21 | 118 |
| Duplicates | 13 | 11 | 24 | ... | ... | ... | 8 | 1 | 9 | ... | ... | ... |
| Net Totals | 300 | 59 | 359 | 787 | 244 | 1031 | 327 | 1 | 328 | 89 | 20 | 109 |
| Short Winter Agr. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Summer | 18 | 13 | 31 | ... | ... | ... | ... | ... | ... | 393 | 58 | 451 |
| Totals | 318 | 72 | 390 | 787 | 244 | 1031 | 327 | 1 | 328 | 89 | 20 | 109 |
| Duplicates | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 3 | 8 |
| Net Totals | 318 | 72 | 390 | 787 | 244 | 1031 | 327 | 1 | 328 | 89 | 20 | 109 |
| DEPT. & COLL. DEGREES CLASSIFICATION | ARCHITECTURE B.Arch. | | CIVIL ENG. C. E. | | MECH. ENG. M.E. | | SUMMER SESSION | | SUMMER SCHOOL IN AGR. | | TOTAL | |
| Graduates | ... | ... | ... | ... | Men | Women | Total | Men | Women | Total | Men | Women |
| Freshmen | 42 | ... | 164 | ... | 293 | ... | ... | ... | ... | ... | 313 | 70 |
| Sophomores | 51 | 1 | 52 | 179 | 346 | ... | ... | ... | ... | ... | 1081 | 112 |
| Juniors | 15 | 1 | 16 | 105 | 176 | ... | ... | ... | ... | ... | 1083 | 97 |
| Seniors | 18 | ... | 85 | ... | 194 | ... | ... | ... | ... | ... | 579 | 56 |
| 1st Year Class | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 552 | 87 |
| 2d Year Class | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 181 | 1 |
| 3d Year Class | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 85 | ... |
| 4th Year Class | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 53 | ... |
| Specials | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 | ... |
| Totals | 10 | ... | 6 | ... | 11 | ... | ... | ... | ... | ... | 229 | 36 |
| Duplicates | 136 | 2 | 138 | 539 | ... | ... | ... | ... | ... | ... | 4171 | 459 |
| Net Totals | 136 | 2 | 138 | 539 | ... | ... | ... | ... | ... | ... | 4149 | 447 |
| Short Winter Agr. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Summer | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Totals | 136 | 2 | 138 | 539 | ... | ... | ... | ... | ... | ... | ... | ... |
| Duplicates | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Net Totals | 136 | 2 | 138 | 539 | ... | ... | ... | ... | ... | ... | ... | ... |

*Includes 22 registered both in Summer Session and Summer Agriculture.

| Year | Arts | Phil. | Let. | Sci. | Agri. | Arch. | Civil Eng. | Mech. Eng. | For- estry | Law* | Vet. | Med. | No. of Cases |
|---------|------|-------|------|------|-------|-------|------------|------------|---------------|------|------|------|-----------------|
| 1889-90 | 4 | 5 | 6 | 3 | 2 | 1 | 2 | 25 | .. | .. | .. | .. | 50 |
| 1890-91 | 8 | 8 | 2 | 4 | 1 | .. | 14 | 28 | .. | .. | .. | .. | 65 |
| 1891-92 | 7 | 9 | 2 | 5 | 2 | 2 | 10 | 52 | .. | .. | .. | .. | 89 |
| 1892-93 | 6 | 6 | 1 | 8 | .. | 6 | 11 | 44 | .. | .. | .. | .. | 87 |
| 1893-94 | 5 | 6 | 5 | 8 | .. | 6 | 6 | 56 | .. | .. | .. | .. | 94 |
| 1894-95 | 4 | 2 | 3 | 3 | 2 | 3 | 6 | 44 | .. | .. | .. | .. | 71 |
| 1895-96 | 5 | 11 | 4 | 7 | 3 | 3 | 9 | 33 | .. | .. | .. | .. | 85 |
| 1896-97 | 10 | 4 | 2 | 4 | 3 | 3 | 11 | 42 | .. | 12 | 5 | .. | 100 |
| 1897-98 | 11 | 6 | .. | 7 | 9 | 2 | 15 | 41 | .. | 15 | 1 | .. | 108 |
| 1898-99 | 27 | 6 | 1 | 7 | 5 | 3 | 16 | 56 | 2 | 6 | 3 | 2 | 134 |
| 1899-00 | 28 | .. | .. | 1 | 5 | 3 | 25 | 64 | 1 | 7 | 4 | .. | 138 |
| 1900-01 | 37 | .. | .. | .. | 4 | 6 | 6 | 64 | 3 | 10 | 2 | 2 | 134 |
| 1901-02 | 38 | .. | .. | .. | 9 | 2 | 29 | 92 | 5 | 7 | .. | 2 | 184 |
| 1902-03 | 33 | .. | .. | .. | 8 | 2 | 24 | 105 | 9 | 12 | 1 | .. | 194 |
| 1903-04 | 31 | .. | .. | .. | 9 | 5 | 39 | 112 | .. | 9 | 1 | 1 | 207 |
| 1904-05 | 29 | .. | .. | .. | 9 | 5 | 44 | 101 | .. | 3 | .. | .. | 191 |
| 1905-06 | 39 | .. | .. | .. | 14 | 8 | 36 | 89 | .. | 1 | .. | .. | 187 |
| 1906-07 | 40 | .. | .. | .. | 19 | 5 | 55 | 86 | .. | 15 | .. | .. | 220 |
| 1907-08 | 43 | .. | .. | .. | 22 | 10 | 60 | 79 | .. | 11 | .. | .. | 225 |
| 1908-09 | 37 | .. | .. | .. | 21 | 10 | 53 | 71 | .. | 5 | 1 | 5 | 203 |
| 1909-10 | 47 | .. | .. | .. | 41 | 7 | 30 | 88 | .. | 9 | .. | .. | 222 |
| 1910-11 | 41 | .. | .. | .. | 44 | 8 | 44 | 47 | .. | 11 | .. | .. | 195 |
| 1911-12 | 36 | .. | .. | .. | 52 | 6 | 38 | 57 | .. | 7 | 4 | .. | 200 |

Of the 200 admitted in 1911-12, 94 registered as freshmen, 61 as sophomores, 37 as juniors, and 8 as seniors.

During the last twenty-six years there have been admitted from 490 other institutions of collegiate rank, 3,528 students. The distribution of these students can be seen by reference to the table on page xciii of the Report for the year 1907-08.

ADMISSION ON SCHOOL CERTIFICATE, REGENTS' CREDENTIALS, AND EXAMINATIONS

The Registrar has charge of the credentials of those entering by school certificate, by Regents' credentials, and by examinations, including the examinations conducted by the College Entrance Examination Board.

During the last sixteen years the number of applicants admitted by school certificate, by Regents' credentials, and by examinations, has been as follows:

| | *96-7 | *97-8 | *98-9 | *99-00 | *00-1 | *01-2 | *02-3 | *03-4 | *04-5 | *05-6 | *06-7 | *07-8 | *08-9 | *09-10 | *10-11 | *11-12 |
|---------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Certificate | 202 | 193 | 199 | 275 | 296 | 357 | 308 | 315 | 317 | 380 | 324 | 465 | 578 | 574 | 524 | 517 |
| Regents' | 131 | 140 | 154 | 164 | 198 | 212 | 219 | 220 | 238 | 233 | 185 | 244 | 287 | 329 | 311 | 420 |
| Examination | 28 | 25 | 22 | 24 | 26 | 39 | 19 | 18 | 27 | 18 | 18 | 41 | 12 | 14 | 8 | 12 |
| Coll. Ent. Exam. Bd. | .. | .. | .. | .. | .. | 9 | 11 | 20 | 27 | 29 | 37 | 33 | 23 | 27 | 14 | 18 |
| N. Y. C. Ex. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 20 | 9 | 5 | .. | .. | .. |
| Total | 361 | 358 | 375 | 463 | 520 | 617 | 557 | 573 | 609 | 658 | 584 | 792 | 905 | 944 | 857 | 967 |

The Regents' credentials mentioned above do not include medical and veterinary student certificates.

The discrepancy in numbers in the freshman class compared with those given in the Catalogue, is due to students being there listed as freshmen because of some shortage when otherwise they belong to a higher class. In 1912-13 and thereafter, students will be registered with the class with which they intend to

*No data prior to 1896-97.

graduate. The tables then will give a clearer statement of the distribution by classes.

The small number credited to entrance by examination would become much larger if those taking a few examinations to make up a shortage in another group were included. It is not unusual to have a student enter partly by certificate, partly by examination, and partly by College Board examination. The combining of school with Regents' credentials, however, is not a common method of admission and is employed only in very exceptional cases.

It should be noted that the number entering entirely by our examinations is small. Entrance examinations are held at Ithaca at the beginning of the second term and as students may graduate at midyear a considerable number are enabled to enter at that time and save a half year. Students who complete the requirement for their degrees may graduate at the end of the first term, at the end of the summer vacation, or in June at the end of the academic year. Ninety-seven received degrees in January, 1912. The preparatory schools are now better acquainted with our entrance requirements. Certain Regents' credentials admit to the Colleges of Arts and Sciences, of Agriculture, and of Law, and under certain conditions relieve all students from taking entrance examinations. Regents' pass cards for single subjects are accepted if the grade be at least 60%, the University Faculty having agreed to accept the Regents' pass of 60% for the years 1909 to 1913 inclusive. The failure of several students to pass the entrance examinations before completing the high school course has influenced others to complete their course in school and enter the University by certificate.

PETITIONS AND REGISTRATION

The usual form of petition has been continued by the several faculties. Where the petition relates to routine matters and a mere change of registration of studies, a much simpler method has been adopted for changes in registration, and the strict enforcement of registration rules has made a marked improvement in the students' work.

The registration of old students takes place after the matriculation of new students. This allows new students a day to arrange their work before instruction begins. Old students are not required to be at the University until the day preceding the one on which instruction begins. The system of registering new students in September in groups alphabetically arranged, and of sending out by mail permits and blanks for registration, has solved the problem of overcrowding at registration and gives each student abundant time to get started aright. Permits and blank forms for registration for all students are also mailed during the summer to all who apply for them. The congestion at the registration rooms in September is much relieved.

DEGREES

The inserted table gives the number admitted to graduation at the 1912 Commencement as well as those of former years. 12,826 degrees have been conferred, but there are some duplicates between the first and second degrees. One degree (M.D.) was conferred in 1899, but in 1907 was revoked because the candidate declined to accept it. One degree (D.V.M.) was conferred in June, 1905, but owing to a technicality was withdrawn and conferred again June, 1906, while another degree (D.V.M.) was conferred in 1907 but dated as June, 1906. The two degrees (M.D.) listed as February, 1912 were conferred after June, 1911, and before

TABLE SHOWING THE NUMBER OF STUDENTS IN EACH COURSE SINCE THE OPENING OF THE UNIVERSITY IN 1868

| | 68-69 | 69-70 | 70-71 | 71-72 | 72-73 | 73-74 | 74-75 | 75-76 | 76-77 | 77-78 | 78-79 | 79-80 | 80-81 | 81-82 | 82-83 | 83-84 | 84-85 | 85-86 | 86-87 | 87-88 | 88-89 | 89-90 | 90-91 | 91-92 | 92-93 | 93-94 | 94-95 | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | 11-12 | | | |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|--|
| Graduate Department | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Optional | 81 | 159 | 164 | 140 | 138 | 133 | 61 | 145* | 55 | 62 | 46 | 9 | 14 | 22 | 36 | 21 | 33 | 35 | 41 | 52 | 69 | 70 | 84 | 133 | 170 | 240 | 185 | 145 | 161 | 166 | 190 | 174 | 205 | 189 | 201 | 197 | 211 | 232 | 239 | 249 | 310 | 309 | 372 | 383 | | | |
| Arts and Sciences | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arts | 40 | 45 | 41 | 36 | 34 | 27 | 36 | 43 | 33 | 46 | 60 | 69 | 52 | 40 | 33 | 26 | 30 | 33 | 34 | 77 | 98 | 129 | 143 | 171 | 174 | 165 | 152 | 166 | 200 | 624 | 631 | 680 | 755 | 831 | 795 | 734 | 684 | 705 | 748 | 820 | 902 | 970 | 1017 | 1031 | | | |
| Letters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Literature | | | | | 28 | 31 | 26 | 48 | 51 | 36 | 37 | 26 | 25 | 23 | 14 | 7 | 11 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Philosophy | 28 | 44 | 37 | 25 | | | 12 | 17 | 29 | 9 | 23 | 22 | 22 | 17 | 11 | 14 | 23 | 28 | 58 | 67 | 58 | 57 | 77 | 104 | 111 | 121 | 137 | 155 | 157 | | | | | | | | | | | | | | | | | | |
| History and Political Science | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Science and Letters | 143 | 206 | 228 | 206 | 56 | 122 | 145 | 201 | 147 | 139 | 152 | 130 | 110 | 107 | 109 | 116 | 106 | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Science | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Natural History | 14 | 10 | 10 | 14 | 15 | 6 | 16 | 17 | 29 | 20 | 15 | 16 | 9 | 7 | 9 | 14 | 12 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemistry | 10 | 4 | 8 | 13 | 10 | 10 | 18 | 16 | 12 | 9 | 0 | 2 | 6 | 8 | 8 | 5 | 12 | 11 | 9 | 9 | 23 | 19 | 28 | 13 | 10 | 13 | 14 | 6 | 8 | 7 | 8 | | | | | | | | | | | | | | | | |
| Medical Preparatory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agriculture | 30 | 24 | 20 | 13 | 15 | 7 | 18 | 17 | 29 | 42 | 41 | 35 | 26 | 17 | 15 | 13 | 20 | 23 | 38 | 45 | 58 | 49 | 52 | 41 | 48 | 45 | 45 | 51 | 68 | 84 | 85 | 88 | 99 | 92 | 114 | 142 | 189 | 230 | 278 | 348 | 415 | 539 | 701 | 967 | | | |
| Mechanical Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mechanic Arts | 27 | 12 | 24 | 15 | 24 | 38 | 58 | 56 | 54 | 44 | 33 | 29 | 33 | 31 | 34 | 37 | 63 | 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electrical Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Industrial Art | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Civil Engineering | 39 | 59 | 75 | 104 | 97 | 95 | 95 | 82 | 70 | 58 | 43 | 39 | 38 | 49 | 64 | 77 | 93 | 95 | 112 | 111 | 128 | 135 | 137 | 139 | 131 | 120 | 123 | 122 | 152 | 179 | 185 | 203 | 183 | 214 | 252 | 326 | 385 | 425 | 466 | 511 | 569 | 559 | 558 | 539 | | | |
| Architecture | | | 2 | 23 | 21 | 29 | 31 | 32 | 29 | 19 | 16 | 10 | 8 | 8 | 18 | 22 | 29 | 37 | 63 | 69 | 69 | 63 | 52 | 68 | 78 | 97 | 70 | 67 | 51 | 53 | 48 | 43 | 53 | 50 | 53 | 65 | 68 | 81 | 82 | 100 | 133 | 140 | 133 | 138 | | | |
| Law | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Veterinary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forestry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Medical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pharmacy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total excluding Duplicates | 412 | 563 | 609 | 597 | 539 | 509 | 532 | 542 | 561 | 529 | 505 | 463 | 399 | 384 | 405 | 447 | 575 | 649 | 829 | 1022 | 1229 | 1329 | 1390 | 1538 | 1700 | 1810 | 1689 | 1702 | 1808 | 1835 | 2101 | 2299 | 2521 | 2845 | 3022 | 3091 | 3318 | 3461 | 3523 | 3734 | 3985 | 4227 | 4412 | 4596 | | | |
| Summer Session | | | | | | | | | | | | | | | | | | | | | | | | | 1115 | 169 | 277 | 272 | 237 | 192 | 203 | 424 | 445 | 424 | 548 | 470 | 718 | 619 | 642 | 755 | 841 | 889 | 987 | 1030 | 1053 | | |
| Summer Entomology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summer Sch. in Med. (N.Y. City) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summer Paleontology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Winter Agriculture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Winter Veterinary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summer School in Agriculture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summer Graduate School | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

*Includes those registered merely "Optional"; e. g. "Optional Agr.," "Sp. Agr.," etc., are counted in the course to which they belong. The classification of "Optionals" was always vague, and this accounts for the sudden fluctuations in that course which appear in the Catalogue
†Also counted in courses.

‡Summer Session of 1892.

AGE AT GRADUATION

The following table shows the age in years and months of students at graduation for the ten year classes 1870-1910. It also shows the age separately for men and women. The Masters' degrees are listed in one group and the Doctors' in another. The age at graduation of the youngest member of the graduating class and also that of the oldest member are given as well as the median age.

| | Arts | | Law | | Medicine | | Veterinary | | Agriculture | | Arch. | | Civil Eng. | | Mech. Eng. | | Masters | | Doctors | |
|-----------------------|-------|-------|-------|-------|----------|-------|------------|-------|-------------|-------|-------|-------|------------|-------|------------|-------|---------|-------|---------|-------|
| | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women | Men | Women |
| Class of 1870: | | | | | | | | | | | | | | | | | | | | |
| Minimum..... | 20 | 4 | | | | | | | | | | | | | | | | | | |
| Median..... | 21-11 | | | | | | | | | | | | | | | | | | | |
| Maximum..... | 28-5 | | | | | | | | | | | | | | | | | | | |
| Class of 1880: | | | | | | | | | | | | | | | | | | | | |
| Minimum..... | 18-11 | 10-8 | | | | | | | 20-6 | | 19-6 | | 21-0 | 0 | 24-0 | 20-3 | | | 22-0 | |
| Median..... | 22-3 | 22-2 | | | | | | | 21-0 | | 21-5 | | 22-8 | 23-1 | 25-0 | 20-3 | | | 22-9 | |
| Maximum..... | 32-8 | 24-6 | | | | | | | 30-0 | | 23-9 | | 25-9 | 28-1 | 29-3 | 26-0 | | | 22-9 | |
| Class of 1890: | | | | | | | | | | | | | | | | | | | | |
| Minimum..... | 19-0 | 20-11 | 20-1 | | | | | | 20-1 | | 20-7 | | 19-2 | 20-2 | 20-7 | 23-5 | 28-10 | | | |
| Median..... | 22-4 | 23-0 | 22-6 | | | | | | 23-2 | | 23-9 | | 22-11 | 23-1 | 24-1 | 26-10 | 20-6 | | | |
| Maximum..... | 32-6 | 27-1 | 36-2 | | | | | | 25-3 | | 26-11 | | 27-10 | 36-1 | 29-10 | 31-5 | 30-3 | | | |
| Class of 1900: | | | | | | | | | | | | | | | | | | | | |
| Minimum..... | 20-0 | 20-6 | 19-6 | | 21-3 | 23-6 | 22-6 | | 22-7 | | 21-2 | | 20-11 | 19-9 | 22-0 | 21-11 | 24-0 | 30-8 | | |
| Median..... | 22-10 | 22-11 | 22-5 | | 24-5 | 26-0 | 25-1 | | 23-10 | | 23-0 | | 23-10 | 22-10 | 24-9 | 36-6 | 30-10 | 31-3 | | |
| Maximum..... | 36-3 | 33-8 | 34-4 | | 38-4 | 38-2 | 34-0 | | 28-2 | | 28-1 | | 28-8 | 30-0 | 40-2 | 42-0 | 41-0 | 33-0 | | |
| Class of 1905: | | | | | | | | | | | | | | | | | | | | |
| Minimum..... | 19-11 | 20-6 | 20-9 | 22-1 | 20-0 | 0 | 21-10 | 20-11 | 20-9 | 27-6 | 22-2 | 20-5 | 20-4 | 21-4 | 23-11 | 23-5 | 37-5 | | | |
| Median..... | 22-6 | 22-10 | 23-5 | 22-1 | 23-6 | 29-10 | 25-5 | | 21-10 | 27-6 | 24-4 | 24-1 | 23-3 | 25-1 | 20-3 | 31-2 | 37-5 | | | |
| Maximum..... | 33-10 | 32-5 | 29-3 | 22-1 | 38-10 | 38-4 | 33-0 | | 38-3 | 27-6 | 30-0 | 33-8 | 32-6 | 30-1 | 32-5 | 40-4 | 37-5 | | | |
| Class of 1910: | | | | | | | | | | | | | | | | | | | | |
| Minimum..... | 20-1 | 20-8 | 20-10 | 22-6 | 21-3 | 27-6 | 21-0 | 24-8 | 20-0 | 21-10 | 22-3 | 19-0 | 20-2 | 21-7 | 29-8 | 23-0 | 26-5 | | | |
| Median..... | 22-5 | 22-6 | 22-10 | 22-6 | 23-9 | 30-8 | 23-7 | 24-8 | 20-0 | 23-0 | 23-0 | 23-5 | 22-11 | 20-1 | 29-8 | 28-10 | 29-6 | | | |
| Maximum..... | 34-7 | 45-2 | 26-9 | 22-6 | 33-9 | 39-11 | 47-0 | 24-8 | 34-10 | 24-2 | 36-4 | 31-11 | 32-7 | 32-4 | 29-8 | 38-7 | 36-1 | | | |

February, 1912, at the dates when the candidates became of proper age. Care has been taken to discriminate between closely allied degrees, but such have been grouped so as to show at a glance the number in each department.

Respectfully submitted,

DAVID F. HOY,

Registrar.

APPENDIX XVI

REPORT OF THE CHAIRMAN OF THE INFIRMARY COMMITTEE

To the President of the University:

SIR: I beg to transmit to you my report as Chairman of the Infirmary Committee for the college year 1911-12.

At the beginning of the year, pursuant to the direction of the Trustees, there were established medical advisers whom the students are urged, in case of sickness or indisposition, to consult for a diagnosis of their ailments, to the end that they may be informed whether the attention of a physician is necessary. The Infirmary Committee employed as medical advisers the University Medical Examiners, Dr. Samuel A. Munford for men and Dr. Esther E. Parker for women. Dr. S. L. Koch was also secured to assist Dr. Munford. The work was apparently well done and will increase in value as more students form the habit of consulting them. How much of the reduction of the total number of day's service in the Infirmary from 7,676 in 1910-11 to 4,435 in 1911-12, is due to the advice and watchfulness of the medical advisers is uncertain, but they no doubt contributed largely to this result.

At the Infirmary the year has been uneventful. There was a small epidemic of measles with 64 cases. There were 67 operations for appendicitis.

The new addition to the Infirmary is nearing completion, and should furnish facilities for the proper care of students for some years to come.

The following statistics for the year are of general interest:

| | Infirmary | Outside | Total |
|--|-----------|---------|--------|
| Number of patients | 824 | 14 | 838 |
| Total number of day's service | 4,047 | 388 | 4,435 |
| Average cost per day per patient | \$3.88 | \$2.38 | \$3.67 |
| Average daily service | 15.5 | 1.5 | 17 |
| Average days per patient | 4.91 | 27.7 | 5.28 |
| Maximum day's service (Feb. 21) | | | 33 |
| Medical cases | 582 | | |
| Surgical cases | 232 | | |
| Eye, ear, nose, and throat | 24 | | 838 |
| Discharged, cured | 803 | | |
| improved | 23 | | |
| not improved | 3 | | |
| transferred | 7 | | |
| died | 2 | | 838 |

Respectfully submitted,

CHAS. D. BOSTWICK,

Chairman Infirmary Committee.

APPENDIX XVII

REPORT OF PROFESSOR WILLCOX ON THE COST OF STUDENT BOARD AND LODGING

To the President of the University:

SIR: In the fall of 1896 you sent to every student in the University a series of questions regarding the cost of board and lodging in that academic year. The answers for the men students were tabulated and published in your annual report for 1896-97 (pages 21-26). Those figures are now fifteen years old and, as the cost of living has been steadily increasing since 1896, are much out of date. Mainly to get current figures regarding these primary elements of the total cost of living, but partly also to learn how far the general change in cost of living has affected the students of this University, the Trustees authorized a repetition of the inquiry and you asked me to aid in tabulating and interpreting the results. The tabulation has been done by members of the class in elementary statistics as laboratory work and I am glad to express to them my appreciation of their careful and persevering assistance.

How generally were the questions answered? The questions were mailed to 3,927 students and a second request sent to all who ignored the first. No reply was received from 171 students, or 4.4 per cent. Replies which were rejected as unsatisfactory were received from 235 regarding room rent and from 232 regarding board, or 5.9 per cent. Satisfactory replies regarding room rent were received from 3,521 and regarding board from 3,522, or 89.7 per cent.

How did these results compare with those of the former inquiry? At the former inquiry 80 per cent and at the present one 90 per cent of the students sent answers which were found satisfactory. There is no reason to suppose that answers from every student would have yielded materially different averages.

What is the average weekly room rent paid by students? These 3,519 students¹ paid \$9,699.25 a week for room rent, or an average of \$2.76 apiece.

How does this room rent compare with that paid in 1896-97? At the former inquiry figures were tabulated only for men students. Even for them no average was computed but merely the number in each of 11 groups of rates. To find the average I have assumed that the 186 men, who in 1896-97 paid between \$1.26 and \$1.50 for rent, paid on the average \$1.49, because that was the average sum paid in 1911-12 by the 286 men who in that year paid between \$1.26 and \$1.50 for rent. Estimating in this way the average for each group in 1896-97, and thus the total and the average of all groups, it appears that men students paid for rent \$2.07 in 1896-97 and \$2.82 in 1911-12, an increase of \$0.75 a week, or 36 per cent.

What is the average weekly board paid by students? These 3,519 students² paid \$15,844.37 a week for board, or an average of \$4.50 apiece.

¹ (Omitting 2 who paid for their rooms by work and furnished no estimate of the normal rent of the room occupied.)

² (Omitting 3 for the same reason as above.)

How does this rate of board compare with that paid in 1896-97? The answers about board like those about room rent were tabulated only for the men and no average was found. That average for 1896-97 has been estimated by the method already explained. The men paid \$3.46 apiece for board in 1896-97 and \$4.53 for board in 1911-12, an increase of \$1.07, or 31 per cent.

How much has the student's cost of living changed since 1896-97? The only clue to an answer is found by combining these two primary elements. The average man student paid for board and room each week \$5.53 in 1896-97 and \$7.35 in 1911-12, an increase of \$1.82, or 33 per cent. Students' expenses then have increased about one-third in sixteen years or approximately 2 per cent a year.

I see no means of ascertaining whether this increase of one-third represents entirely an increase in the cost of substantially identical rooms and board, whether a part of it is due to better rooms and better board on the average, or whether rooms or board or both are inferior to those provided sixteen years ago.

One further point throws light upon the fact that the increase in the price of rooms (36 per cent) has been more rapid than the increase in the price of board (31 per cent). The proportion of men rooming alone has increased in the sixteen years from 61.6 per cent to 67.5 per cent, a change which alone would lead to an increase in the average room rent. To determine the influence of this change upon the average would require a separate tabulation of the replies.

How has the distribution of room rent and of board to the several classes of rates changed since 1896? This can best be shown by a more extended compilation of the figures for men students in 1911-12, and a comparison of the results with those of the earlier inquiry, as shown in the following tables:

NUMBER AND PERCENTAGE OF MEN PAYING VARIOUS PRICES FOR ROOM RENT AND
PERCENTAGE OF INCREASE OR DECREASE BETWEEN 1896 AND 1912

| Weekly room rent | Number | | Percentage | | Change of per cent | |
|--------------------------|--------|------|------------|-------|--------------------|----------|
| | 1896 | 1912 | 1896 | 1912 | Increase | Decrease |
| Work | 12 | 2 | 1.0 | .1 | | .9 |
| \$1.00 or less | 200 | 47 | 16.8 | 1.4 | | 15.4 |
| 1.01—\$1.25 | 96 | 77 | 8.1 | 2.4 | | 5.7 |
| 1.26—1.50 | 186 | 286 | 15.7 | 8.8 | | 6.9 |
| 1.51—1.75 | 55 | 173 | 4.6 | 5.3 | .7 | |
| 1.76—2.00 | 164 | 498 | 13.8 | 15.3 | 1.5 | |
| 2.01—2.25 | 44 | 144 | 3.7 | 4.4 | .7 | |
| 2.26—2.50 | 152 | 402 | 12.8 | 12.4 | | .4 |
| 2.51—3.00 | 142 | 528 | 11.9 | 16.2 | 4.3 | |
| 3.01—3.50 | 58 | 353 | 4.9 | 10.9 | 6.0 | |
| 3.51—4.00 | 44 | 390 | 3.7 | 12.0 | 8.3 | |
| 4.01+ | 36 | 350 | 3.0 | 10.8 | 7.8 | |
| Total | 1189 | 3250 | 100.0 | 100.0 | | |

The proportion of students paying \$1.50 a week or less for room rent has decreased from two-fifths (40.6 per cent) in 1896-97 to one-eighth (12.6 per cent) in 1911-12; the proportion paying more than \$2.50 a week for room rent has risen from one-fourth (23.5 per cent) in 1896-97 to one-half (49.9 per cent) in 1911-12.

NUMBER AND PERCENTAGE OF MEN PAYING VARIOUS PRICES FOR BOARD AND PERCENTAGE OF INCREASE AND DECREASE BETWEEN 1896 AND 1912

| Weekly board | Number | | Percentage | | Change of per cent | |
|----------------------|--------|------|------------|-------|--------------------|----------|
| | 1896 | 1912 | 1896 | 1912 | Increase | Decrease |
| Work | 68 | 3 | 5.6 | .0 | | 5.6 |
| \$1.00 or less | 4 | 2 | .3 | .0 | | .3 |
| 1.01—\$2.00 | 12 | 17 | 1.0 | .6 | | .4 |
| 2.01— 2.59 | 9 | 19 | .7 | .6 | | .1 |
| 2.60— 2.99 | 90 | 10 | 7.4 | .3 | | 7.1 |
| 3.00 | 433 | 79 | 35.7 | 2.4 | | 33.3 |
| 3.01— 3.50 | 212 | 349 | 17.5 | 10.8 | | 6.7 |
| 3.51— 4.00 | 231 | 828 | 19.0 | 25.5 | 6.5 | |
| 4.01— 4.50 | 101 | 764 | 8.4 | 23.5 | 15.1 | |
| 4.51— 5.00 | 52 | 795 | 4.3 | 24.5 | 20.2 | |
| 5.01 + | 1 | 383 | .1 | 11.8 | 11.7 | |
| Total | 1213 | 3249 | 100.0 | 100.0 | | |

Similar changes have occurred with regard to board. In 1896-97 the standard rate of board was \$3.00, more than one in three of the students paying that rate; now fewer than one in forty pay that rate. No single standard rate has taken its place but about three-fourths of all the students pay from four to five dollars a week for board, and nearly three-fifths pay more than four dollars, which means four dollars and a half or above.

The general trend of change may be presented more clearly by consolidating the preceding percentage figures as follows:

ROOM RENT

| Weekly rate | Per cent in | | Change in 16 years | |
|------------------------|-------------|-------|--------------------|----------|
| | 1896 | 1912 | Increase | Decrease |
| Less than \$1.50 | 41.6 | 12.7 | | 28.9 |
| \$1.51—\$2.50 | 34.9 | 37.4 | 2.5 | |
| 2.51 + | 23.5 | 49.9 | 26.4 | |
| | 100.0 | 100.0 | | |

BOARD

| Weekly rate | Per cent in | | Change in 16 years | |
|------------------------|-------------|-------|--------------------|----------|
| | 1896 | 1912 | Increase | Decrease |
| Less than \$3.00 | 50.7 | 3.9 | | 46.8 |
| \$3.01—\$4.00 | 36.5 | 36.3 | | 0.2 |
| 4.01 + | 12.8 | 59.8 | 47.0 | |
| | 100.0 | 100.0 | | |

The changes in the rates of board have affected a much larger proportion of the students than the changes in the rates of room rent.

Yours respectfully,

WALTER F. WILLCOX,

Professor of Economics and Statistics.

APPENDIX XVIII

REPORT OF THE LIBRARIAN

To the President of the University:

SIR: I have the honor to submit herewith my annual report on the University Library for the year ending June 30, 1912.

The following table shows the additions made to the various more or less independent collections composing the University Library and the present extent of each:

| | Volumes Added 1911-12 | Present Extent in | |
|--|-----------------------------|-------------------|-----------|
| | | Volumes | Pamphlets |
| General Library | 11,952 | 350,739 | 62,000 |
| Law Library | 1,159 | 43,170 | |
| Flower Veterinary Library | 152 | 3,970 | |
| Barnes Reference Library | 78 | 1,899 | |
| Goldwin Smith Hall Library | 118 | 1,858 | |
| Stimson Hall Medical Library | 221 | 1,260 | |
| Agricultural College Library | 788 | 5,646 | |
| Forestry Library | 23 | 1,158 | |
| Totals | 14,491 | 409,700 | 62,000 |

The President White Library, the four Fiske collections, and the eight seminary collections are included in the statistics for the general library. Of the additions to the general library (numbering 11,952 as against 9,481 volumes last year), 5,246 volumes were gifts. Of the accessions to the other collections named in the table, the gifts number 30 volumes for the Flower Library, 211 volumes for the Stimson Hall Library, 49 volumes for the Goldwin Smith Hall Library, 410 volumes for the Agricultural College Library, and 120 volumes for the Law Library.

Early in September we received the Cowper and Anglo-Saxon collections bequeathed to the Library by the late Professor Corson, his son, Dr. Eugene Corson, '75, having graciously waived the right, given him by the will, to retain them in his possession during his pleasure. The Cowper collection, numbering 240 volumes, is a most interesting and valuable addition to our resources, containing a very full series of Cowper's works, from the earliest to the latest editions, and many biographical and critical works relating to the poet. The Anglo-Saxon collection, numbering 320 volumes, includes many rare works and early editions, and a large number of the older English dictionaries greatly strengthening this department of the Library. From Mr. Heber Cushing Peters, '92, the Library received an interesting collection of some 480 volumes on anthropology, folklore, occult science and early medicine containing many rare works in these

fields. The Chinese students in the University presented to the Library, as the nucleus of a Chinese collection, about 350 volumes of standard works in Chinese literature, history, and philosophy, comprising excellent examples of the three methods of Chinese printing, namely, xylographic, lithographic, and typographic. Mr. F. C. Cornell gave a collection of the papers of Ezra Cornell relating to the early history of the University, covering the period 1865-1874. The U. S. Secretary of the Treasury presented to the Library a representative collection of notes issued by the Confederate States of America in the years 1861 to 1864. Mr. Arnold Haultain gave us a large collection of the note books and miscellaneous manuscripts of the late Goldwin Smith, including drafts of original poems, metrical translations from the Classics, and other literary material. As heretofore, Ex-President White and Professor J. M. Hart have made many important gifts to the Library. Valuable contributions have also been received from J. H. Comstock, '74, C. W. Wason, '74, E. Le B. Gardner, '75, T. Stanton, '76, S. H. Gage, '77, S. P. Gage, '80, H. P. deForest, '84, L. Coville, '86, J. Du P. White, '90, Mrs. Dudley Miller, and Mrs. J. F. Lyman. To yourself and other members of the University staff the Library is greatly indebted for frequent and valuable gifts. From the United States government and from many state and municipal governments the usual supply of federal, state, and municipal documents has been received. The British, Canadian, and Australian Patent Offices continue to send regularly to the Library their valuable publications. These, as well as the other gifts of the year, have been duly acknowledged and a list of the donors is submitted as an appendix to this report.

Among the noteworthy purchases of the year are the Reports of the Princeton Expeditions to Patagonia; Baxter's Spanish Colonial Architecture in Mexico; Cuvier and Valenciennes' *Histoire naturelle des poissons*; the British Museum Catalogues of fossil fishes and fossil reptilia; Tweedie's Arabian Horse; Starr's Congo Natives; Al Tabari's *Annales*; facsimiles of the Codex Sinaiticus of the New Testament, and of the Wolfenbüttel codex of Propertius; Babelon's *Traité des monnaies grecques et romaines*; Ravaisson's *Archives de la Bastille*; the 1714 and 1825 editions of Dodsley's Collection of old plays; Plummer's *Vitæ sanctorum Hiberniæ*; Goldwin Smith's set of the Nation, with his contributions marked; Andreini's *L'Adamo*, 1617; Schenkling's *Coleopterorum Catalogus*; full scores of Elgar's oratorio, *The Light of Life* and of *The Dream of Gerontius*; complete sets of *Eranos*; *Revue de Linguistique*; *Gymnasium*; *Transactions of the Manchester Literary Club*; *American Florist*. The following sets have been completed: *Mémoires de l'Académie royale de Belgique*, American Antiquarian Society's *Transactions*, Irish Text Society's publications, Georgia Historical Society's *Collections*, *Proceedings of the Biological Society of Washington*.

Dr. A. C. White reports that, in addition to the ordinary work of classifying the accessions for the general and special libraries, he has revised and rearranged the classification of the Cowper literature and Anglo-Saxon literature to correspond to the very large increase in the books in those subjects caused by the addition of Professor Corson's collections, and that the accessions have all been classified to date.

From the Catalogue Department, Miss Thornburg reports that the number of volumes, pamphlets, and maps catalogued for the general card catalogue during the year was 12,135; for these 13,892 cards were written and 1,914 printed

cards were obtained from the Library of Congress. I regret to report that Miss Forgeus, who came to the Library in 1910 and had been doing excellent work as cataloguer, was compelled by her physician's orders to give up her work at the end of April. In her place Miss Olla P. Ayres of the Pennsylvania State Library, a graduate of Waynesburg College and of the Drexel Library School, was engaged and entered upon her duties June 1st. In consequence of the largely increased additions of the year a considerable amount of arrears has accumulated and some additional assistance will be required for next year.

Professor Burr, the Librarian of the President White Historical Library, and Miss Fowler, the curator of the Dante and Petrarch collections, have been absent on leave during the present term. Mr. Hermannsson, the curator of the Icelandic collection, has been engaged in revising and preparing for the press Mr. Fiske's catalogue of the collection, and has also prepared a bibliography of the Mythical Heroic Sagas, forming volume five of *Islandica* just issued.

Mr. W. H. Austen, Assistant Librarian in charge of the reference and loan departments of the general library, reports that the Library has been open for use 307 days during the year; that the recorded use made of books in the reading room shows a substantial increase over that of last year and a less marked increase in the home use; the use of books in the seminary rooms is about the same as that of 1910-11, while the record of books taken to laboratory and department collections is considerably less. He recommends the instalment of new lights on the desks in the reading room, believing that the present lights are too high above the book and are not strong enough to obviate eye strain.

The following table shows the recorded use of the books, which probably represents about one-third of the actual use:

| REFERENCE AND DEPARTMENT USE | | |
|---|---------|---------|
| | 1910-11 | 1911-12 |
| Volumes used in reading rooms | 67,415 | 77,064 |
| Volumes sent to seminary rooms | 3,642 | 3,602 |
| Volumes sent to departments and laboratories . . . | 6,173 | 5,521 |
| HOME USE | | |
| Volumes from general library | 21,469 | 24,236 |
| Volumes from open shelf circulating library | 5,213 | 6,050 |
| Lent to other libraries and outside borrowers | 338 | 274 |
| Total recorded use | 104,250 | 116,747 |

The registered users of the general library are as follows: University officers 433, students 601, special borrowers 21. During the year we have borrowed from other libraries 115 volumes, and have lent to other libraries 274 volumes. The table shows a considerable increase in the use of the open shelf circulating collection. The number of students who have registered and taken books from this collection for home use was 774 and the number of officers 205. The number of readers who took advantage of the open shelf arrangement and used the books in the room itself, without taking them for home use, was 6,104 as against 5,566 last year. During the year thirty volumes were recalled from this collection and reserved for class use in the general library.

Mr. W. W. Ellis, curator of the shelves, reports that all new books have been inspected, as heretofore, for errors in book-plates, call-numbers, etc., before being

sent to the shelves. The inventory revealed 274 volumes on the wrong shelves as against 318 last year and 281 the year before. More than this number were also found in the wrong numerical order though on the right shelf. The number of volumes missing from the stacks, and unaccounted for when the inventory was taken, was 465. A new map case was added during the year, also 500 book supports and 539 press guides. Mr. Ellis has made a careful measurement this spring of the amount of shelf space actually occupied by books, and believes that we can get through this year, with the normal number of accessions, without embarrassing the service department too seriously. The crowding of the shelves is felt most keenly in the White Library, the catalogue room, and on several floors of the stacks. It appears that the average accessions of a year require at least 1,600 feet of shelving to contain them.

I can only urge again that steps be taken at once to provide additional shelf-room. If an immediate extension of the building cannot be undertaken in the present condition of the University finances, I strongly recommend that the remaining space beneath the reading room be fitted up with bookstacks, forming an extension of those installed in 1906-07. This space, now forming a lecture room, is used regularly only by the classes in bibliography two hours a week throughout the academic year. Filling this room with bookstacks would add probably about 7,000 feet of shelving and enable us to provide for the accessions of nearly five years. When shelfroom is so greatly needed and can be obtained with so little inconvenience as would be caused by giving up the lecture room, I can see no reasonable objection to taking it. Another possible way of adding to our shelf space, which may be worth considering, involves the question whether the gas pipe supports of the floors and shelves in the stacks are strong enough to bear the weight of an additional floor with shelving running up close to the ceiling above the tops of the present stacks and above the windows. These expedients, however, will meet only the immediate needs of the Library. They will not make any suitable provision for the valuable and unique Fiske collections now crowded into the stacks on the lower floor of the south wing. To provide properly for these and for the rapidly growing card catalogue, an extension of the north wing of the building, for which plans have been drawn, is greatly needed, and an extension of the stack wings will become absolutely necessary in a very few years, even if the temporary relief suggested above is obtained.

With the great expansion of the University and the constantly increasing demand for more books and periodicals on the one hand, and a falling rate of interest on endowments on the other, the income from the Sage Endowment, which has been our chief reliance for the growth of the Library, is year by year becoming less adequate to provide for the reasonable needs of the various departments of instruction. To give us provision for the present needs of the University, no greater proportionately than was given by the income of the Sage fund for our needs twelve years ago, would require an immediate addition of at least \$6,000 a year to our book funds. I, therefore, welcome most heartily the recent action of the Trustees by which, for next year, one-third of the free income from the Fiske Endowment will be available for books, periodicals, and binding in addition to the income from the Sage fund.

In the first term of the year Mr. Austen gave his regular course of lectures on the use of books and in the second term a course of practical exercises. In

the second term the two-hour course on general bibliography was given by the Librarian. The annual record of publications by the University and its officers has been prepared by Miss Thornburg and the list of donors by Miss Leland. These will be submitted as an appendix to this report.

A noteworthy addition to the memorials in the general reading room is the marble bust of Governor Cornell, eldest son of the Founder, which was formally presented to the University on Commencement Day as the gift of Mrs. Esther E. Cornell.

Respectfully submitted,

GEO. WM. HARRIS,

Librarian.

APPENDIX XIX

PUBLICATIONS, 1911-12

Under the Auspices of the University

- Official publications of Cornell University. Vol. ii. no. D., no. 16-19; vol. iii. no. 1-13. Ithaca, 1911-12. 18 nos. 8°. Illus.
- Contents:—ii. D. Directory of faculty and students, first term, 1911-12. Supplement to Directory of faculty and students, February 26, 1912.
- ii. 16. N. Y. State College of Agriculture: announcement, 1911-12.
- ii. 17. N. Y. State College of Agriculture: announcement of winter courses, 1911-12.
- ii. 18. Nineteenth annual report of President Schurman, 1911-12.
- ii. 19. College of Arts and Sciences: announcement of the Department of Chemistry, 1911-1912.
- iii. 1. General circular of information, 1912-13.
- iii. 2. Announcement of the Graduate School, 1912-13.
- iii. 3. Announcement of courses for the training of teachers and supervisors of music in the 21st Summer Session, July 6-August 16, 1912.
- iii. 4. Sibley College of Mechanical Engineering and the Mechanic Arts: announcement, 1912-13.
- iii. 5. Announcement of the College of Civil Engineering, 1912-13.
- iii. 6. Announcement of the College of Architecture, 1912-13.
- iii. 7. Announcement of the 21st Summer Session, July 6-August 16, 1912.
- iii. 8. Announcement of the N. Y. State Veterinary College, 1912-13.
- iii. 9. Samples of entrance and scholarship examination papers, 1911.
- iii. 10. Announcement of the College of Law, 1912-13.
- iii. 11. Catalogue number, 1911-12.
- iii. 12. Announcement of the College of Arts and Sciences, 1912-13.
- iii. 13. N. Y. State College of Agriculture: announcement of the 2d Summer School in Agriculture, July 6-August 16, 1912.
- Announcer of the College of Agriculture, published by the New York State College of Agriculture at Cornell University. Vol. i. no. 1-9. Oct., 1911-June, 1912. Ithaca. 9 nos. f°.
- Bulletin of the Cornell University Agricultural Experiment Station. No. 303-316, July, 1911-June, 1912. Ithaca. 14 nos. 8°. Illus.
- Circular of the Cornell University Agricultural Experiment Station. no. 12. Jan., 1912. Ithaca. 1 no. 8°.
- The Cornell civil engineer, Vol. xx. Oct., 1911-June, 1912. Ithaca. 8°. pp. iv + 586. Illus.
- The Cornell countryman. Vol. ix. Oct., 1911-June, 1912. Ithaca. 8°. pp. 314. Illus.

The Cornell reading-courses. Vol. i. no. 1-18; Oct., 1911-June, 1912. Ithaca. 18 nos. 8°. Illus.

Cornell rural school leaflet; A. G. McCloskey, editor. Vol. v. Sept., 1911-May, 1912. Ithaca. 8°. pp. 244. Illus.

Cornell University medical bulletin. Vol. i. no. 3-4. New York, 1912. 2 nos. 8°. Illus.

Contents:—i. 3. Studies from the Department of Medicine, including therapeutics and applied pharmacology.

i. 4. Studies from the Department of Surgery, including genito-urinary diseases, orthopedics, and ophthalmology.

Cornell University weekly calendar. Vol. iv. no. 1-35. Sept. 25, 1910-June 8, 1911. Ithaca. 35 nos. f°. Broadside.

The Cornell veterinarian. Vol. i. no. 2—ii, no. 1. Jan.-June, 1912. Ithaca. 2 nos. 8°. Illus.

Islandica: an annual relating to Iceland and the Fiske Icelandic Collection in Cornell University Library, edited by G. W. Harris. Vol. v. Ithaca, 1912. 8°. pp. (9) + 73.

Contents:—v. Bibliography of the mythical-heroic sagas, by H. Hermannsson.

The Journal of Physical Chemistry; editor, W. D. Bancroft. Vol. xv., no. 7-xvi. no. 6, Oct., 1911-June, 1912. Ithaca. 9 nos. 8°. Illus.

Issued monthly except in July, August, and September.

The Philosophical Review, edited by J. E. Creighton with the cooperation of J. Seth. Vol. xx. no. 4-xxi. no. 3. July, 1911-May, 1912. 2m. New York. 6 nos. 8°.

The Physical Review, a journal of experimental and theoretical physics; conducted with the cooperation of the American Physical Society, by E. L. Nichols, E. Merritt, and F. Bedell. Vol. xxxiii-xxxiv. July, 1911-June, 1912. m. Lancaster, Pa. 2 v. 8°. Illus.

Publications of Cornell University Medical College: Studies from the Department of Anatomy. Vol. ii. New York, 1911-12. 8°. Illus.

Report of the New York State Veterinary College for the year 1910-11, transmitted to the Legislature, Feb. 15, 1912. Albany, 1912. 8°. pp. 195. Plates and diagr.

By Officers

In the present list are included the titles of books, pamphlets, and contributions to periodicals, transactions, etc., published by officers and fellows of the University during the period extending from July 1, 1911, to June 30, 1912, with some titles omitted in previous lists.

Adams, J. Q., jr. Fulke Greville, Lord Brooke: his epitaph. (Notes and Queries, ser. II, ii (1911), 301.)

— Lordinge (alias "Lodowick") Barry. (Mod. Philol., ix (1912), 567.)

— Notes on Ben Jonson, from a seventeenth century commonplace book. (Mod. Lang. Rev., vii (1912), 296.)

— Richard Brathwaite's "Mercurius Britannicus". (Mod. Lang. Notes, xxvi-xxvii (1911-12), 233, 127.)

— Source of the banquet scene in the "Poetaster". (Same, xxvii (1912), 30.)

— Thomas Heywood and "How a man may choose a good wife from a bad". (Engische Studien, xlv (1912), 30.)

— [Review of] The authorship of "Timon of Athens", by E. H. Wright. (Jour. of Eng. and Germ. Philol., x (1911), 492.)

— editor. The Turke, by J. Mason, edited with an introduction and notes. Louvain, Belgium, 1912. 4°. pp. xlviii + 106. (Materialien zur Kunde des älteren englischen Dramas. 4.)

Albee, F. H. A case of gumma of the shoulder. (Post Graduate, xxvii (1912), 189.)

— Charcot's Arthropathy. (Jour. of the Med. Soc. of New Jersey, ix (1912), 1.)

— Juxta-epiphyseal fracture of the upper end of the humerus. (Med. Record, lxxxi (1912), 847.)

— A report of bone transplantation and osteoplasty in the treatment of Pott's disease of the spine. (N. Y. Med. Jour., xcv (1912), 469.)

— A report of osteoplasty and bone transplantation on Pott's disease of the spine. (Vermont Med. Monthly, xviii (1912), 85.)

— Transplantation of a portion of the tibia into the spine for Pott's disease. (Jour. of the Amer. Med. Assoc., lvii (1911), 885.)

Alexander, C. P. Fulton County (New York), Tipulidæ (Diptera) II. (Entomol. News, xxiii (1912), 66.)

— New African Tipulidæ. (Canadian Entomol., xlv (1912), 83.)

— New Tipulidæ (Diptera). (Same, xliii (1911), 287.)

— Notes on two Tipulidæ (Diptera). (Entomol. News, xxii (1911), 349.)

— A peculiar new crane-fly from Porto Rico. (Tipulidæ; Diptera). (Psyche, xix (1912), 63.)

— Synonymical and other notes on the Tipulidæ (Diptera). (Same, xviii (1911), 192.)

— and **M. D. Leonard** Venational variation in cladura (Tipulidæ Diptera). (Jour. of the N. Y. Entomol. Soc., xx (1912), 36.)

Andrews, A. L. Notes on North American Sphagnum. I. (Bryologist, xiv-xv (1911-12), 72, 1.)

— Studies in the Fornaldarsögur Nordrlanda. I. The Hrómundar saga Gripssonar § § 4, 5. (Mod. Philol., ix (1912), 371.)

Atkinson, G. F. Botany for high schools; a complete revision of the text published in 1910. New York, 1912. pp. xv + 544. 8°. Illus.

— Spurred flowers in Calceolaria. (Science, n. s. xxxv (1912), 280.)

— Amanita. [Review of] Ferry, René, Étude sur les Amanites; les Amanites mortelles. (Botan. Gazette, liii (1912), 522.)

Austen, W. Efficiency in college and university libraries. (Library Jour., xxxvi (1911), 566.)

Badertscher, J. A. Peculiarity in the mode of entrance of the optic nerve into the eyeball in some rodents. (Proc. of the Soc. for Exp. Biol. and Med., ix (1911), 4.)

Bailey, E. J. The Acolyte (Living Church, xlvi (1911), 160.)

— A note on a reputedly incomprehensible poem. (South Atlantic Quarterly, x (1911), 328.)

— Outlines of English masterpieces; a series of nine articles. (Amer. Education, xiv (1911-12).)

— Studies in English masterpieces, xix-xx, Albany, 1911. 2 nos. 16°.

— [Review of] Leading American novelists by J. Erskine, and Some American story tellers by F. T. Cooper. (South Atlantic Quarterly, xi (1912), 87.)

Bailey, H. C. Shock in eclampsia. (Amer. Jour. of Obstetrics, lxiv (1911), 260.)

— The blood pressure index of eclampsia. (Surgery, Gynecology and Obstetrics, xiii (1911), 505.)

— See also **Murlin, J. R.**, and **H. C. Bailey**.

Baldwin, W. M. Die Entwicklung der Fasern der Zonula Zinnii im Auge der weissen Maus nach der Geburt. (Archiv für mikroskopische Anatomie, lxxx (1912), 274.)

Bancroft, W. D. The action of water vapor on gelatine. (Jour. of Phys. Chem., xvi (1912), 395.)

— Electric endosmose. (Same, xvi. (1912), 312.)

— The photographic plate. VII VIII, (Same, xvi (1912), 29, 89.)

— The theory of emulsification. I-III. (Same, xvi (1912), 177, 345, 475.)

— editor. The Journal of Physical Chemistry, 1911-12.

[Papers from the Laboratory of W. D. Bancroft, published in the Jour. of Phys. Chem., 1911-12. xv-xvi.]: Colloidal ferric oxide by G. D. Kratz, xvi (1912), 126; Decomposition of bromoform by G. J. Sargent, xvi (1912), 407; Electrolytic corrosion of some metals by G. R. White, xv (1911), 723; Electrolytic reduction of nitrobenzene by R. C. Snowdon, xv (1911), 797; Electrolytic reduc-

tion of nitrobenzene without a diaphragm by E. F. Farnan, xvi (1912), 249; Fluorescence of anthracene by Miss L. S. Stevenson, xv (1911), 845; Reduction of nitrobenzene by means of ferrous hydroxide, xvi (1912), 131; Rotating cathode by C. W. Bennett, xvi (1912), 287; Tensile strength of electrolytic copper, xvi (1912), 294.

Also seventy signed book reviews in the *Journal of Physical Chemistry*.

Barnard, W. N. See **Hirshfeld, C. F.**, and **W. N. Barnard**.

Barrows, C. C. Intramural abscess of uterus. (*Amer. Jour. of Obstetrics*, lxiix (1911), 575.)

— The myoma heart. (*Amer. Jour. of Surgery*, (May, 1912).)

Barrus, M. F. Variation of varieties of beans in their susceptibility to anthracnose. (*Phytopathology*, i (1911), 190.)

Bauer, J. N. Y. workmen's compensation act unconstitutional. (Same, i (1911), 634.)

— Washington workmen's compensation act constitutional. (Same, ii (1912), 187.)

— Workmen's compensation and the law. (*South Atlantic Quarterly*, x (1911), 346.)

— [Reviews of] *Principles of insurance*, by W. F. Gephart. (*Amer. Econ. Rev.*, ii (1912), 153.); *The science of accounts*, by H. C. Bentley. (Same, ii (1912), 104.)

Beal, A. C. Dwarf sweet peas. (*Amer. Florist*, xxxvi (1911), 1329.)

— New Lazy Club building. (*Cornell Countryman*, ix (1912), 284.)

— Sweet pea evolution and pollination. (*Amer. Florist*, xxxvi (1911), 1284.)

Bedell, F. Direct and alternating current manual. 2d ed., enlarged and revised. New York and London, 1912. 8°. pp. xiii + 360.

— [Review of] *Principles of electrical engineering*, by H. Pender. (*Science*, xxxv (1912), 661.)

— editor. *The Physical Review* (1911-1912.)

Benedict, S. R. The detection and estimation of glucose in urine. (*Jour. of the Amer. Med. Assoc.*, lvii (1912), 93.)

— and **J. R. Murlin.** Determination of the amino-acid nitrogen in the urine. (*Proc. of the Soc. for Exp. Biol. and Med.*, ix (1912), 109.)

Benjamin, E. W. Grading and packing eggs for market. (*Cornell Rural School Leaflet*, v (1911), 199.)

— What the poultry department of the N. Y. State College of Agriculture at Cornell University is doing for the poultrymen. (*Metropolitan and Rural Home*, xxvi (1912), 1.)

Bennett, C. E. A new Latin composition. Boston, 1912. 8°. pp. x + 275.

— The authorship of the *Forcellini Lexicon*. (*Classical Weekly*, v (1911), 34.)

Bennett, C. W. The regeneration of sulphated storage cells. (*Trans. of the Amer. Electrochem. Soc.*, xxi (1912), 321.)

— A rotating cathode. (*Jour. of Phys. Chem.*, xvi (1912), 287.)

— Tensile strength of electrolytic copper on a rotating cathode. (Same, xvi (1912), 294.)

— See also **Dennis, L. M.**, and **C. W. Bennett**.

Abstracts of these articles have appeared in various chemical journals.

Bentley, M. *Psychical research.—Psychology.—Psychotherapy.* (New Internat. Yearbook, (1911), 589.)

— Sensation, general. (*Psychol. Bull.*, ix (1912), 97.)

— joint author. Thermal intensity and the area of stimulus by Miss S. E. Barnholt and M. Bentley. (*Amer. Jour. of Psychol.*, xxii (1911), 325.)

— associate editor. *Jour. of Animal Behavior.* (1911-12.)

— See also **Titchener, E. B.**, and **M. Bentley**, editors.

Bizzell, J. A. See **Lyon, T. L.**, and **J. A. Bizzell**.

Blaker, E., editor. *Laboratory manual of physics and applied electricity*, edited by E. L. Nichols. Vol. i. Junior course in general physics; revised and rewritten by E. Blaker. New York, 1912. 8°. pp. xiii + 417.

Boesche, A. W. Zu Eduard Engels Deutscher Stilkunst, (Monatshefte für deutsche Sprache und Pädagogik, xiii (1912), 98.)

— joint translator. Das Deutschtum in den Vereinigten Staaten in seiner Bedeutung für die amerikanische Kultur, von A. B. Faust. Leipzig. 1912. 8°. pp. xii + 447.

— joint translator. Das Deutschtum in den Vereinigten Staaten in seiner geschichtlichen Entwicklung, von A. B. Faust. Leipzig, 1912. 8°. pp. viii + 504.

Bretz, J. P. Some aspects of postal extension into the west. (Annual report of the Amer. Hist. Assoc., (1909), 143.)

Browne, A. W. Progress in inorganic and physical chemistry during 1911. (Amer. Year Book, (1911), 606.)

— and **A. E. Houlehan.** Behavior of the hydronitrogens and their derivatives in liquid ammonia. ii. Ammonolysis of certain hydrazine salts. (Jour. of the Amer. Chem. Soc., xxxiii (1911), 1734.) iii. Action of ammonium trinitride upon certain metals. (Same, xxxiii (1911), 1742.)

— and **T. W. B. Welsh.** Behavior of the hydronitrogens and their derivatives in liquid ammonia. i. Ammonolysis of hydrazine sulphate. (Same, xxxiii (1911), 1728.)

[Articles based upon researches carried out in cooperation with A. W. Browne, published in the Jour. of the Amer. Chem. Soc., xxxiii, 1911]: Anhydrous hydrazine: I. A convenient apparatus for the preparation of anhydrous hydrazine, by C. F. Hale and F. F. Shetterly, p. 1071; The oxidation of hydrazine: v. Reaction between potassium iodate and hydrazine sulphate, by C. F. Hale and H. W. Redfield, p. 1354; vi. Reaction between mercuric oxide and hydrazine hydrate in alcoholic solution, by C. F. Hale and V. E. Nunez, p. 1555; The oxidation of hydronitric acid, by H. E. Riegger, p. 1569.]

Burnett, S. H. Editorial on biology as a preparatory subject for veterinary colleges. (Cornell Veterinarian, i (1912), 59.)

— The place of pathology in the veterinary curriculum. (Proc. of the Amer. Vet. Med. Assoc., (1911), 671.)

— Appeared also in the Amer. Vet. Rev., xl (1911), 42, and in Report of the N. Y. State Veterinary College, (1910-11), 167.

— The veterinary curriculum. (Cornell Veterinarian, ii (1912), 21.)

Burr, G. L. New England's place in the history of witchcraft. Worcester, 1911. 8°. pp. 35.

Reprinted from the Proceedings of the Amer. Antiquarian Soc., Oct. 1911.

— History as a teacher and the teacher of history. (History Teacher's Mag., iii (1912) 35.)

— A new fragment on Luther's death, with other gleanings from the age of the Reformation. (Amer. Hist. Rev., xvi (1911), 723.)

— [Reviews of] The Encyclopædia Britannica, a dictionary of arts, sciences, literature and general information. 11th ed. 1910-11. (Same, xvii (1911), 103.)

Inventaire des sceaux de la collection des pièces originales du cabinet des titres à la Bibliothèque nationale, par J. Roman. Tome I.—Manuel de Paléographie latine et française, par M. Prou. 3d ed.—Stormvan's gravesande: The rise of British Guiana, compiled from his dispatches by C. A. Harris and J. A. de Villiers. 2 vols. (Same, xvi (1910-11), 380, 156, 838.)

— associate editor. American Historical Review, 1911-12.

Burrows, M. T. A method of furnishing a continuous supply of new medium to a tissue culture in vitro. (Anat. Rec. vi (1912), 141.)

— joint author. An addition to the technique of the cultivation of tissues in vitro, by A. Carrel and M. T. Burrows. (Jour. of Exp. Med., xiv (1911), 244.)

Campbell, M. The application of psychoanalysis to insanity. (N. Y. Med. Jour., xcv (1912), 1079.)

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The Secretary of Cornell University,
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REPORT OF COMMITTEE ON APPROPRIATIONS.

OCT. 24, 1912.

*To the Board of Trustees
of Cornell University.*

Your committee on appropriations beg to submit the following tentative report which we may wish to modify as to certain items after further investigation.

According to the figures as of August 1, 1912, in the Treasurer's Report, the income for the year 1912-13 of the University, excluding the State Colleges and the Medical College at New York, was estimated as follows :

| | Restricted to a particular purpose | Subject wholly or in part to appropriation | Total |
|---|--|--|----------------|
| Tuition from Students..... | | \$300,600 00 | \$ 300,600 00 |
| State ac. Agricultural students..... | | 20,000 00 | 20,000 00 |
| Fees from students..... | | 83,200 00 | 83,200 00 |
| Infirmary fees and extras..... | \$28,000 00 | | 28,000 00 |
| Summer Session..... | 28,500 00 | | 28,500 00 |
| Sage College and Cottage..... | 16,000 00 | | 16,000 00 |
| From invested funds..... | 52,000 00 | 424,000 00 | 476,000 00 |
| Congressional Industrial Fund..... | | 50,000 00 | 50,000 00 |
| Experiment Station..... | 31,600 00 | | 31,600 00 |
| Rents..... | 500 00 | 9,000 00 | 9,500 00 |
| Miscellaneous..... | | 350 00 | 350 00 |
| | <hr/> | <hr/> | <hr/> |
| | \$156,600 00 | \$887,150 00 | \$1,043,750 00 |
| Less 5% of General income to surplus ac.... | | 38,000 00 | |
| Less 5% on Endowment Reserve Fund..... | | 26,340 00 | 64,340 00 |
| | | <hr/> | <hr/> |
| | | | \$ 979,410 00 |

The actual registration has made necessary the following deductions :

| | Gain | Loss | | Gain | Loss |
|--------------------------------------|------|------|------------|-------------|---------------|
| Arts..... | 74 | @ | \$100 00 | \$7,400 00 | |
| Agriculture..... | 276 | @ | ----- | | ----- |
| M. E. | | 104 | @ | 170 00 | \$17,680 00 |
| C. E. | | 19 | @ | 150 00 | 2,850 00 |
| Law | | 11 | @ | 100 00 | 1,100 00 |
| Architecture..... | | 3 | @ | 150 00 | 450 00 |
| Graduate School... | 7 | @ | ----- | | ----- |
| Veterinary | 11 | @ | ----- | | ----- |
| Additional Ass'ts... | 8 | @ | 125 00 | | 1,000 00 |
| | | | <hr/> | <hr/> | <hr/> |
| | | | \$7,400 00 | \$23,080 00 | |
| | | | | 7,400 00 | |
| | | | | <hr/> | <hr/> |
| Net Loss..... | | | | \$15,680 00 | 15,680 00 |
| | | | | | <hr/> |
| Available at Ithaca for 1912-13..... | | | | | \$ 963,730 00 |

It is possible to restore to current income the amounts above deducted.

| | | |
|---|-------------|-------------|
| 5% to Surplus | \$38,000 00 | |
| 5% on Endowment Reserve Fund..... | 26,340 00 | |
| and Surplus Income Sage Fund about..... | 5,000 00 | \$69,340 00 |

Making the available income, allowing the accumulated

deficit of \$160,357.61 to stand \$1,033,070 00

In the column of the detailed appropriations, preceding the purpose of the appropriation, is shown the appropriation for the last college year, 1911-12, for the same purpose.

The first column following the object or department shows the reappropriation of the unexpended balance of last year's income, some or all of which is necessary to meet obligations incurred.

In the second column after the object, are shown the amounts by the terms of gift available only for the specific purpose or appropriations already made by the trustees and those items, such as fuel, etc., which it is difficult to change. Hence your committee, on beginning its work, found the following situation :

| | | |
|---|--------------|----------------|
| Estimated maximum available income for the year ignoring the accumulated deficit..... | | \$1,033,070 00 |
| Fixed or already appropriated..... | \$897,285 40 | |
| Employees already authorized but payable from departmental appropriations..... | 27,832 00 | 925,117 40 |
| Available for appropriation committee..... | | 107,952 60 |
| Requests for appropriations from above..... | 181,395 10 | |
| (see last column of schedule) | | |
| Less employees above mentioned..... | 27,832 00 | |
| | | \$153,563 10 |

Your committee have carefully considered the several requests and have deducted nearly all items for additional equipment or new work. The cuts will undoubtedly reduce the efficiency of the several departments, but it is thought possible for them, with economy, to get through the year.

The amount thus needed totals \$1,044,665.66 and exceeds the available income by \$11,595.66. The excess can be eliminated if the Trustees desire to make an 8% cut of these appropriations but such a cut would be inadvisable.

| Appropriation 1911-12 | GENERAL EXPENSES | 1912-13 | | | Requests for appropriations |
|-------------------------------------|--------------------------------|------------------|---|---|-----------------------------------|
| | | Re-appropriation | Practically fixed or already appropriated | Minimum appropriation deemed necessary by Ap- propriations Committee | |
| <i>Salaries</i> | | | | | |
| \$474,005 87 | Congressional Ind. Fd. | | \$480,234 20 | \$ 500 00 | \$5,500 00 |
| 1,000 00 | English | | 1,000 00 | | |
| 9,000 00 | Mathematics, etc. | | 9,000 00 | | |
| 17,000 00 | Mechanical | | 17,000 00 | | |
| 34,428 80 | College Land Scrip | | 34,428 80 | | |
| | Gold.-Sm. Profs. and Increases | | 24,232 00 | | |
| | Schiff-Increases | | 1,700 00 | | |
| | | | | | |
| \$535,434 67 | | | \$567,595 00 | \$500 00 | |
| 6,756 97 | Gold.-Sm. Special Fd. | | 8,750 00 | | |
| 110 00 | Schiff-Non-res. lecturer | | 2,800 00 | | |
| | | | | | |
| | | | \$11,550 00 | | |
| <i>Fellowships and Scholarships</i> | | | | | |
| 2 | Fellowships @ 600 | | \$ 1,200 00 | | |
| 21 | " @ 500 | | 10,500 00 | | |
| 16 | Grad. Schl. @ 300 | | 4,800 00 | | |
| 36 | Undergrad @ 200 | | 7,200 00 | | |
| | | | | | |
| \$23,700 00 | | | \$ 23,700 00 | | |
| 101 30 | Boardman Sen. Law | \$ 20 62 | 100 00 | | |
| 150 00 | Fraser Law | | 150 00 | | |
| 962 36 | M. F. Hall Scholarship | 566 75 | 950 00 | | |
| 151 95 | Padgham " | 97 38 | 150 00 | | |
| 1,200 00 | C. H. Roberts " | | 1,200 00 | | |
| 164 61 | J. N. Smith " | 114 62 | 162 50 | | |
| | Schiff German | | 500 00 | | |
| | | | | | |
| | | | \$26,912 50 | | |
| <i>Prizes</i> | | | | | |
| \$ 50 65 | Mrs. A. S. Barnes | \$130 46 | \$ 50 00 | | |
| 20 26 | Philo S. Bennett | 124 74 | 20 00 | | |
| 95 93 | Class '94 Debate | 19 73 | 94 00 | | |
| 96 52 | Class '86 Memorial | 120 62 | 95 00 | | |
| 50 00 | Corson Browning | | 52 50 | | |
| 64 88 | Corson French | 50 67 | 63 00 | | |
| 50 65 | Fuertes Medal | 58 79 | 50 00 | | |
| 151 95 | Guilford Essay | 22 68 | 150 00 | | |
| 50 00 | Hollingsworth Vet. | | | An annual gift | |
| 50 65 | Luana L. Messenger | 255 56 | 50 00 | | |

| | | | |
|--------|--------------------------|--------|----------------|
| 100 00 | J. T. Morrison | | An annual gift |
| 30 39 | Frances Sampson | 62 01 | 30 00 |
| 49 65 | W. C. Seidell Book | 165 16 | 50 00 |
| 100 00 | Sibley | | 100 00 |
| 25 33 | White Veterinary | 33 98 | 25 00 |
| 126 63 | Woodford Medal | 436 15 | 125 00 |
| | | | <hr/> |
| | | | \$954 50 |

Interest and Annuities

| | | |
|------------|-------------------------|------------|
| \$2,200 00 | Fiske Monzechi | \$2,200 00 |
| 1,000 00 | Fiske Grimsey | 1,000 00 |
| 300 00 | Preswick Annuity | 300 00 |
| 225 00 | Mitchell Interest | 225 00 |
| | | <hr/> |
| | | \$3,725 00 |

Maintenance Depts.

| | | | | |
|-------------|--|-------------|-------------|----------|
| \$11,000 00 | Buildings—Care of | \$11,300 00 | | |
| 17,500 00 | Buildings—Repairs of | 13,000 00 | | |
| 2,000 00 | Electric Service | | 2,500 00 | 3,000 00 |
| 3,500 00 | Electric L. and P. Labor | 3,500 00 | | |
| 18,585 39 | Fuel | 19,700 00 | | |
| | Goldwin Smith Repairs | 250 00 | | |
| 8,500 00 | Grounds, Care and Ornamentation | | 6,830 00 | 7,330 00 |
| 10,100 00 | Grounds, Rand Hall and East Avenue | 4,117 63 | 1,000 00 | 1,000 00 |
| 600 00 | Grounds, Spraying Elms | 350 00 | | |
| | “ Central Ave. | 660 00 | | |
| | “ C. N. Lowry | 750 00 | | |
| 12,500 00 | Heating Plant Changes | 450 00 | | |
| 4,239 31 | Heating Labor | 5,000 00 | | |
| 3,500 00 | Steam and Water Repairs | | 4,500 00 | 6,000 00 |
| 2,200 00 | Water Works | 2,200 00 | | |
| | Morse Hall Steam Ext. | 2,550 00 | | |
| | Lowering fire main | 500 00 | | |
| | | <hr/> | <hr/> | |
| | | \$60,210 00 | \$14,830 00 | |

Operating Expenses

| | | |
|------------|----------------------------------|------------|
| \$5,530 15 | Administrative Offices | \$5,500 00 |
| 500 00 | Advertising and Lectures | 710 56 |
| 1,500 00 | Attorney Fees and Expenses | 1,500 00 |
| 100 00 | C. U. C. A. Handbook | 100 00 |
| 250 00 | Chimes | 250 00 |
| 7,300 00 | Contingent | 7,000 00 |
| 1,500 00 | Diplomas and Commencement | 1,500 00 |

| | | | | | |
|--|----------|---------------------|--------------------|----------|----------|
| 9,169 30 Insurance | | 500 00 | | | |
| 750 00 Reading Entrance Exams. | | 500 00 | | | |
| 1,395 65 Trustee Traveling Exp. | | 1,500 00 | | | |
| 7,100 00 University Publications | 830 02 | | | 5,200 00 | 5,700 00 |
| 1,500 00 Memorial Tablets | 499 98 | 53 85 | | | |
| | | <u>\$ 18,403 85</u> | <u>\$ 5,200 00</u> | | |
| <i>Miscellaneous</i> | | | | | |
| \$ 200 00 Athletic Ass'n Rent | | \$ 200 00 | | | |
| 12,116 59 Guiteau Fund | 7,132 01 | 12,260 00 | | | |
| 25,379 54 Infirmary | | 33,000 00 | | | |
| Sage Chapel | | | | | |
| 3,798 75 Dean Sage Sermon Fund | 2,179 74 | 3,790 00 | | | |
| 800 00 Expense | | 800 00 | | | |
| 150 00 Organ Repairs | | 150 00 | | | |
| 150 00 Sunday Programs | | 322 50 | | | |
| Hymn Books | | 360 00 | | | |
| Conductor's Stand | | 50 00 | | | |
| 21,799 71 Sage College | 2,515 40 | 21,500 00 | | | |
| 609 26 Hasbrouck Property | | 500 00 | | | |
| Risley Hall Water | | 207 80 | | | |
| Residential Halls Com. | | 2,000 00 | | | |
| | | <u>\$75,140 30</u> | | | |
| 5 06 Polish Student Loan | 21 82 | 5 00 | | | |
| 25 00 Class 1908 Fund | | 25 00 | | | |
| " 1912 " | | 41 00 | | | |
| 100 00 Debate Council | | | 100 00 | | 100 00 |
| 332 11 Woman's Guild | 1,288 98 | 325 00 | | | |
| 44 60 Wurtz Loan Fund | 44 60 | 113 00 | | | |
| Transferred to Principal | | 15,103 00 | | | |
| | | <u>\$15,612 00</u> | <u>\$100 00</u> | | |

DEPARTMENTS.

Agriculture

| | | | |
|---|----------|--------------------|--|
| \$20,000 00 Congressional Ind. Fd. | | \$20,000 00 | |
| 5,700 00 General Appropriation | | 5,700 00 | |
| 11,250 00 Experiment St. Hatch | | 15,750 00 | |
| 11,250 00 " Adams | \$885 87 | 15,750 00 | |
| 84 23 " Income | 587 03 | 100 00 | |
| 15 09 Agr. Loan Fund | 75 76 | 15 00 | |
| | | <u>\$57,315 00</u> | |

Architecture

| | | | | |
|----------|--|----------|------------|------------|
| 2,700 00 | | \$329 00 | \$2,700 00 | \$3,634 00 |
|----------|--|----------|------------|------------|

Arts and Sciences

| | | | | |
|----------|------------------------------|--------|----------|----------|
| I,475 00 | Dean's Office Expense | 204 01 | I,450 00 | I,450 00 |
| 430 00 | Lectures | 53 74 | G-S | 400 00 |
| 375 00 | Reading Room and Library .. | 9 75 | G-S | 375 00 |
| 50 00 | Faculty Com. Educ. Policy .. | 15 10 | 50 00 | 50 00 |
| 250 00 | American School Athens | | G-S | 250 00 |
| 250 00 | " " Rome | | G-S | 250 00 |
| 100 00 | " " Jerusalem | | G-S | 100 00 |

(a) Arts Departments

| | | | | |
|----------|------------------------------|--------|----------|----------|
| I,000 00 | Archaeology-Classical | 37 22 | I,000 00 | I,290 00 |
| 50 00 | Economics and Politics | 44 40 | 50 00 | 100 00 |
| 100 00 | " Statistics | 39 18 | 50 00 | 100 00 |
| 50 00 | " Acc. and Reader | 9 93 | 200 00 | 350 00 |
| 100 00 | " Distribution | 39 04 | 50 00 | 100 00 |
| 250 00 | " Office Expense | 5 72 | 250 00 | 250 00 |
| | Publishing Studies | 400 80 | | |

| | | | | |
|----------|----------------------------|--------|----------|----------|
| I,000 00 | Education-School of | 63 08 | I,000 00 | I,000 00 |
| 50 00 | English | 24 61 | G-S | 250 00 |
| 75 00 | French | | G-S | 125 00 |
| 575 00 | German | 428 03 | G-S | 75 00 |
| 50 00 | Greek | | G-S | 50 00 |
| | History-American | 321 48 | | |
| 25 00 | " Ancient | 13 51 | G-S | 50 00 |
| 25 00 | " Mediaeval | 27 77 | | |
| | " Modern European .. | 50 67 | G-S | 50 00 |
| 75 00 | Latin | 19 74 | G-S | 75 00 |
| 175 00 | Oratory | 170 81 | G-S | 175 00 |
| 250 00 | Philosophy | 175 76 | | |
| 150 00 | " Aesthetics | 83 32 | G-S | 60 00 |
| I,250 00 | Psychology | 221 70 | I,250 00 | I,554 00 |
| I,000 00 | Philosophical Review | 219 09 | I,000 00 | I,000 00 |
| 50 00 | Semitics | 74 71 | G-S | 100 00 |
| | Classical Studies | 229 29 | | |

(b) Science Departments

| | | | | |
|-------------|--------------------------|----------|-----------|-----------|
| | Astronomy | 3 47 | 40 00 | 40 00 |
| 3,620 09 | Botany | 844 31 | 3,800 00 | 4,150 00 |
| 30,900 00 | Chemistry | | 30,000 00 | 31,084 84 |
| | " Bancroft | | 1,500 00 | 1,500 00 |
| 2,500 00 | Geology | 935 32 | 2,000 00 | 2,950 00 |
| 100 00 | | | | |
| spl. 100 00 | Mathematics | 172 50 | 50 00 | 100 00 |
| | Physical Review | 2,906 95 | | |
| 10,000 00 | Physics | 87 46 | 10,000 00 | 17,056 00 |
| I,200 00 | Vertebrate Zoology | 13 65 | I,200 00 | 1,500 00 |

| | | | | | |
|-------------------|-----------------------------|------------|--------------------|---------------------|--------------|
| 5,700 00 | Civil Engineering | | | 5,700 00 | 8,000 00 |
| 1,400 00 | Junior Survey | | | | |
| 1,400 00 | Sophomore Survey | | | 1,400 00 | 2,000 00 |
| | Graduate School | | | | |
| 700 00 | Dean's Office | 132 68 | | 700 00 | 825 00 |
| | Law | | | | |
| 1,480 00 | | 312 46 | | 1,000 00 | 1,358 00 |
| 3,300 00 | | | | | |
| spl. 400 00 | Law Library | 19 28 | | 2,500 00 | 3,965 00 |
| | Library | | | | |
| | | 3,332 43 | (Employees) | | |
| | | | 23,390 00 | | |
| | | | Funds | | |
| | | | 16,750 00 | | |
| | | | Fiske | | |
| | | | 6,309 25 | | |
| | | | <u>\$46,449 25</u> | | |
| | Medical—Ithaca | | | | |
| 3,000 00 | Anatomy and Gen. Expenses | 692 13 | | | 3,530 00 |
| | Bacteriology | 202 51 | | | |
| 1,330 00 | Histology | 21 64 | | | 1,435 00 |
| 4,670 00 | Physiology and Biochemistry | 480 07 | | 8,325 00 | 6,673 00 |
| 250 00 | Embryology Research | 32 79 | | | 250 00 |
| <u>\$9,250 00</u> | | | | | |
| | Medical—New York | | | | |
| 5,985 66 | Loomis Laboratory | 348 29 | 5,900 00 | | |
| 506 50 | Polk Prize | 96 27 | 5 06 | | |
| | Summer Session | | over draft | \$ 3,735 26 | \$ 3,735 26 |
| \$ 27,500 00 | | | | 27,500 00 | \$0,000 00 |
| | | | | <u>\$ 31,235 26</u> | |
| | Sibley College | | | | |
| 12,000 00 | | | | \$ 12,000 00 | \$ 14,000 00 |
| 1,500 00 | Mech. Laby. Equip. | | | | |
| 7,400 00 | Moving Shops | \$2,241 55 | | | |
| 3,000 00 | Congressional Ind. Fd. | | | 3,000 00 | 3,000 00 |
| | | | | <u>\$ 15,000 00</u> | |
| | Music | | | | |
| 6,500 00 | (including salaries) | 1,028 00 | 7,012 00 | | |
| 100 00 | Orchestra Concerts | | | \$ 100 00 | \$ 100 00 |

Physical Education

| | | | |
|---------------------------------|-------|---------------|----------------|
| 860 00 Military ----- | 62 79 | 900 00 | 900 00 |
| 2,275 00 Physical Culture ----- | 51 25 | 2,250 00 | 2,250 00 |
| | | <hr/> | <hr/> |
| | | \$ 897,285 40 | \$ 147,380 26 |
| | | | 897,285 40 |
| | | | <hr/> |
| | | | \$1,044,665 66 |
| Available estimated income --- | | | 1,033,070 00 |
| | | | <hr/> |
| To be provided----- | | \$ | 11,595 66 |
| | | | <hr/> |

Your committee make the following recommendations :

1. That the items amounting to \$69,340 shown on page 1 be restored to current income.

2. That additional income be secured to cover the above deficit.

3. That appropriations for the year 1912-13 be made as above listed.

4. That the unexpended balances from 1911-12 as shown in the treasurer's report be reappropriated.

5. That the salary of Prof. Chas. L. Crandall of the College of Civil Engineering be increased to \$3,500 per annum to date from Aug. 1, 1912.

6. That the other applications for increases of salary referred to this committee be denied for the present.

7. That books be purchased from the Library Fund and not from departmental appropriations.

8. That the following items omitted from the above list be appropriated payable from the income of the Goldwin Smith Special Fund.

| | |
|--|------------|
| Arts Lectures ----- | \$400 00 |
| Goldwin Smith Reading Room and Library ----- | 375 00 |
| American School at Athens ----- | 250 00 |
| “ “ “ Rome ----- | 250 00 |
| “ “ “ Jerusalem ----- | 100 00 |
| English ----- | 250 00 |
| French ----- | 75 00 |
| German ----- | 75 00 |
| Greek ----- | 50 00 |
| History, Ancient ----- | 50 00 |
| “ Modern European ----- | 50 00 |
| Latin (including lantern \$90) ----- | 150 00 |
| Oratory ----- | 150 00 |
| Philosophy-Aesthetics ----- | 60 00 |
| Semetics ----- | 100 00 |
| | <hr/> |
| | \$2,385 00 |

9. That \$300 be appropriated from the income of the Jacob H. Schiff Lecture-ship Fund for an instructor from some German Gymnasium for the summer session.

10. That the committee on appropriation be authorized to prepare in the spring of the year 1913 a budget for the appropriation of the year 1913-14 so made up as to include in one schedule the estimated income and the proportion thereof which is available to each department for salaries, equipment and all other expenses of such department.

T. F. CRANE,
J. T. NEWMAN,
M. VAN CLEEF,
Committee.

The items making up the Salary appropriation with other department items are as follows :

SALARIES.

| ARCHITECTURE , College of | | <i>Paid from</i> | | |
|--|-------|------------------|-------|--------------------|
| Martin, C. A., Director | ----- | Salaries | ----- | \$3,500 00 |
| Mauxion, G., Professor | ----- | " | ----- | 3,000 00 |
| Brauner, O. M., Professor | ----- | " | ----- | 2,500 00 |
| Phelps, A. C., Asst Professor | ----- | " | ----- | 2,000 00 |
| Young, George Jr., " | ----- | " | ----- | 2,000 00 |
| Stork, E. J., " | ----- | " | ----- | 2,000 00 |
| Midjo, C., " | ----- | " | ----- | 1,500 00 |
| Chamberlain, G. R., Instructor | ----- | " | ----- | 1,200 00 |
| Gutsell, H. S., " | ----- | " | ----- | 1,000 00 |
| Baxter, H. E., " | ----- | " | ----- | 1,000 00 |
| Comstock, D. C., " | ----- | " | ----- | 800 00 |
| | | | | <hr/> |
| Gibbs, L. C., Stenog. | ----- | 504 Dept. Appro. | ----- | \$20,500 00 |
| King, D. W., Janitor | ----- | Care Bldgs. | ----- | 480 00 |
| Student " ½ time | ----- | " | ----- | 180 00 |
| Department Appropriation | ----- | | ----- | 2,700 00 |
| | | | | <hr/> |
| (Student Lab. fees received 1911-12, \$80.50.) | | | | <hr/> |
| | | | | <u>\$23,860 00</u> |

| ARTS AND SCIENCES , College of | | | | |
|---|-------|-------------|-------|-------------|
| Hull, C. H., Dean (see History) | ----- | Salaries | ----- | \$ 500 00 |
| Hammond, W. A., Secretary (see Philosophy) | ----- | | ----- | 500 00 |
| | | | | <hr/> |
| O'Brien, J. C., Sec. ½ time, \$500 Dept. Appro. | ----- | | | \$ 1,000 00 |
| Parrott, C. C., Stenogr., \$600 Dept. Appro. | ----- | | | |
| Office appropriation | ----- | | | 1,450 00 |
| Lecturers | ----- | G. S. | ----- | 400 00 |
| Reading Room and Library | ----- | G. S. | ----- | 375 00 |
| Faculty Committees | ----- | | | 50 00 |
| Head, F. Janitor | ----- | Care Bldgs. | ----- | 480 00 |
| Baldwin, D., Janitor | ----- | " | ----- | 420 00 |
| Hotchkiss, Mrs. H. H., Cleaner | ----- | " | ----- | 360 00 |
| | | | | <hr/> |
| | | | | 3,535 00 |
| | | | | <hr/> |
| | | | | \$4,535 00 |

(a) Arts Departments.

Archaeology.

| | | | | |
|---------------------------------|-------|--------------------|-------|------------|
| Andrews, E. P., Asst. Professor | ----- | Salaries | ----- | \$2,000 00 |
| Worden, S. A., Janitor | ----- | \$540 Dept. Appro. | ----- | |
| Department Appropriations | ----- | | ----- | 1,000 00 |
| | | | | <hr/> |
| | | | | 3,000 00 |
| | | | | <hr/> |

Education.*Paid from*

| | | | |
|--|----------------|----------|----------------------|
| Bristol, G. P., Director (see Greek) --- | Salaries ----- | 1,000 00 | |
| DeGarmo, C., Professor----- | “ ----- | 3,500 00 | |
| Whipple, G. M., Ass't Professor----- | “ ----- | 2,000 00 | |
| | | <hr/> | 6,500 00 |
| Appropriation----- | | | <hr/> 1,000 00 |
| | | | <hr/> <hr/> 7,500 00 |

English.

| | | | |
|------------------------------------|----------------|--------------|-------------------|
| Sampson, M. W., Professor----- | Salaries ----- | \$4,000 00 | |
| Strunk, W., “----- | “ ----- | 3,000 00 | |
| Cooper, Lane, Ass't Professor----- | “ ----- | 2,000 00 | |
| Northup, C. S., “ “----- | “ ----- | 2,000 00 | |
| Prescott, F. C., “ “----- | “ ----- | 2,000 00 | |
| Adams, J. Q., “ “----- | “ ----- | 1,500 00 | |
| Monroe, B. S., “ “----- | “ ----- | 1,500 00 | |
| Bailey, E. J., Instructor----- | “ ----- | 1,200 00 | |
| Kirk, R. R., “----- | “ ----- | 1,200 00 | |
| Smith, F. M., “----- | “ ----- | 1,000 00 | |
| Peek, F. A. “----- | “ ----- | 1,000 00 | |
| Broughton, L. N., “----- | “ ----- | 1,000 00 | |
| Stelter, B. F., “----- | “ ----- | 1,000 00 | |
| Baldwin, D., “----- | “ ----- | 1,000 00 | |
| Gilbert, A., “----- | “ ----- | 800 00 | |
| Crowell, M., “----- | “ ----- | 800 00 | |
| Appropriation----- | | <hr/> 250 00 | |
| | | | <hr/> \$25,250 00 |

French.

| | | | |
|--|----------------|-------------|--------------------|
| Comfort, Wm. M., Professor----- | Salaries ----- | \$ 4,000 00 | |
| Olmsted, E. W., “----- | “ ----- | 3,000 00 | |
| Guerlac, O. G., Ass't Professor----- | “ ----- | 1,000 00 | Lv. of Abs. |
| Gordon, A., “ “----- | “ ----- | 750 00 | Lv. of Abs. |
| Hamilton, G. L., “ “----- | “ ----- | 2,000 00 | |
| Brown, G. H., Actg. Ass't Professor -- | “ ----- | 750 00 | 1st term |
| Mason, J. F. “ “----- | “ ----- | 1,500 00 | |
| Pumpelly, L., Instructor----- | “ ----- | 1,200 00 | |
| Dale, G. I., “----- | “ ----- | 1,000 00 | |
| Barnum, G. S., “----- | “ ----- | 800 00 | |
| Appropriation----- | | <hr/> 75 00 | |
| | | | <hr/> \$16,075 00. |

German.

| | | |
|--------------------------------------|---------|-------------|
| Faust, A. B., Professor----- | “ ----- | \$ 3,500 00 |
| Boesche, A. W., Ass't Professor----- | “ ----- | 2,000 00 |
| Pope, Paul R., “ “----- | “ ----- | 2,000 00 |
| Davidson, H., “ “----- | “ ----- | 2,000 00 |
| Fluegel, E. J., “ “----- | “ ----- | 2,000 00 |

Paid from

| | | | | | |
|--------------------------------|-------|-----------|-------|-------|--------------------|
| Zinnecker, W. D., Instructor | ----- | " | ----- | 1,200 | 00 |
| Andrews, A L., | ----- | " | ----- | 1,000 | 00 |
| Marcks, Erich, Schiff Lecturer | ----- | Schiff Fd | ----- | 2,500 | 00 |
| Hermanson, H., Lecturer | ----- | Salaries | ----- | 50 | 00 |
| Appropriation | | | | ----- | ----- |
| | | | | | 75 00 |
| | | | | | \$16,325 00 |

Goldwin Smith Lecturer,

| | | | | | |
|--------------------------|-------|--------------|-------|-------|----|
| Pollard, A. F., Lecturer | ----- | G.S. Special | ----- | 1,750 | 00 |
|--------------------------|-------|--------------|-------|-------|----|

Greek.

| | | | | | |
|---|-------|-----------|-------|-------|----------|
| Sterrett, J. R. S., Professor | ----- | Salaries | ----- | 3,500 | 00 |
| Bristol, G. P., Professor (See Educa'n) | ----- | " | ----- | 3,000 | 00 |
| Jones, H. L., Asst. Professor | ----- | " | ----- | 2,000 | 00 |
| White, A. C., Reader | ----- | No Salary | ----- | | |
| Appropriation | | | | 50 | 00 |
| | | | | ----- | 8,550 00 |

History—American.

| | | | | | |
|--|-------|----------|-------|-------|----------|
| C. H. Hull, Professor (See Arts & Sc.) | ----- | Salaries | ----- | 4,000 | 00 |
| Bretz, J. P., | ----- | " | ----- | 3,000 | 00 |
| Lewis, Caroline, Asst. | ----- | " | ----- | 250 | 00 |
| | | | | ----- | 7,250 00 |

History—Ancient.

| | | | | | |
|--------------------------|-------|----------|-------|-------|----------|
| Sill, H. A., Professor | ----- | Salaries | ----- | 3,000 | 00 |
| McLean, R. H., Assistant | ----- | " | ----- | 250 | 00 |
| Appropriation | | | | 50 | 00 |
| | | | | ----- | 3,300 00 |

History—Mediaeval.

| | | | | | |
|-------------------------|-------|---------------------------------|-------|-------|----------|
| Burr, G. L., Professor | ----- | Salaries \$3,400, Library \$600 | ----- | 4,000 | 00 |
| Evans, A. P., Assistant | ----- | Salaries | ----- | 250 | 00 |
| | | | | ----- | 4,250 00 |

History—Modern European.

| | | | | | |
|--------------------------------|-------|----------|-------|-------|----------|
| Catterall, R. C. H., Professor | ----- | Salaries | ----- | 4,000 | 00 |
| Lunt, W. E., | ----- | " | ----- | 3,000 | 00 |
| Nussbaum, F. L., Assistant | ----- | " | ----- | 250 | 00 |
| ----- | ----- | " | ----- | 250 | 00 |
| Appropriation | | | | 50 | 00 |
| | | | | ----- | 7,550 00 |

Latin.

| | | | | | |
|-----------------------------------|-------|----------|-------|-------|-----------|
| Bennett, C. E., Professor | ----- | Salaries | ----- | 4,000 | 00 |
| Durham, C. L., | ----- | " | ----- | 3,000 | 00 |
| Elmer, H. C., | ----- | " | ----- | 3,000 | 00 |
| Appropriation (including lantern) | | | | 150 | 00 |
| | | | | ----- | 10,150 00 |

Oratory.*Paid from*

| | | | |
|--------------------------------------|----------------|----------|----------|
| Winans, J. A., Asst. Professor ----- | Salaries ----- | 2,000 00 | |
| Everett, G. A., " ----- | " ----- | 1,500 00 | |
| Drummond, A. M., Instructor ----- | " ----- | 1,000 00 | |
| Appropriation ----- | | 150 00 | |
| | | | 4,650 00 |

Philosophy.

| | | | |
|---|----------------|----------|-----------|
| Creighton, J. E., Professor ----- | Salaries ----- | 4,000 00 | |
| Thilly, F., Professor (and house) ----- | " ----- | 3,500 00 | |
| Albee, E., " ----- | " ----- | 2,500 00 | |
| Hammond, W. A., Professor (See A. & S.) ----- | " ----- | 3,000 00 | |
| Jordan, E., Instructor ----- | " ----- | 1,000 00 | |
| Tuttle, J. R., Assistant ----- | " ----- | 500 00 | 14,500 00 |
| Appropriation, Aesthetics ----- | | | 60 00 |
| | | | 14,560 00 |

Psychology.

| | | | |
|------------------------------------|----------------|----------|----------|
| Titchener, E. B., Professor ----- | Salaries ----- | 4,500 00 | |
| Weld, H. P., Asst. Professor ----- | " ----- | 2,000 00 | |
| Ruckmich, C. A., Instructor ----- | " ----- | 1,000 00 | |
| Foster, W. S., Assistant ----- | " ----- | 600 00 | |
| Boring, E. G., Assistant ----- | " ----- | 500 00 | 8,600 00 |
| Appropriation ----- | | | 1,250 00 |
| | | | 9,850 00 |

Political Science and Economics.

| | | | |
|--|----------------|----------|--------------|
| Willcox, W. F., Professor ----- | Salaries ----- | 2,000 00 | (½ time) |
| Johnson, A. S. " ----- | " ----- | 4,000 00 | |
| Bauer, J. Asst. Professor ----- | " ----- | 2,000 00 | |
| Saby, R. S., " ----- | " ----- | 1,500 00 | |
| Turner, J. R. " ----- | " ----- | | (Lv. of Ab.) |
| Blakey, R. G., " ----- | " ----- | 1,500 00 | |
| Orth, S. P., Actg. Prof. ----- | " ----- | 1,500 00 | (1st term) |
| Lauch, W. J. " ----- | " ----- | 1,500 00 | (2nd term) |
| Usher, A. P, Instructor ----- | " ----- | 1,000 00 | |
| Spedden, E. R., " ----- | " ----- | 1,000 00 | |
| Smith, G. C., " ----- | " ----- | 1,000 00 | |
| Smith, H. E., " ----- | " ----- | 1,000 00 | |
| Woodbury, R. M. " ----- | " ----- | 1,000 00 | |
| Gilman, F. H. " ----- | " ----- | 1,000 00 | |
| Stevens, J. G., Assistant ----- | " ----- | 500 00 | |
| Hugins, R. " ----- | " ----- | 500 00 | |
| Griffith, H. E., Reading Assistant ----- | " ----- | 150 00 | |
| Neff, L. E. " ----- | " ----- | 150 00 | 22,300 00 |
| Appropriation ----- | | | 600 00 |
| | | | 23,900 00 |

Semitics.*Paid from*

| | | | |
|------------------------------|----------------|----------|----------|
| Schmidt, N., Professor | Salaries | 3,000 00 | |
| Appropriation | | 100 00 | 3,100 00 |

(b) Science Departments.**Botany.**

| | | | |
|--|--------------------------------|--------------|----------|
| Atkinson, G. F., Professor | Salaries | 3,000 00 | |
| Rowlee, W. W., Prof. and Adviser Gr. | " | 3,000 00 | |
| Brown, H. P., Instructor | " | 1,000 00 | |
| Eames, A. J., " | " | 1,000 00 | |
| Higgins, B. B., Assistant | " | 400 00 | |
| Palmer, E. L., " | " | 400 00 | |
| Ishikawa, M., " | " | 400 00 | 9,200 00 |
| Shore, Robert, Gardener | 1,000 00--Dept. Appro. | | |
| Brown, Bert, Asst. " | 600 00--" | | |
| Shore, Jas. " " | 480 00--" | | |
| Nardin, Jas., Janitor | 420 00--" | | |
| New, Frieda, Stenog. | 364 00--" | | |
| Campbell, I. J., " | 416 00--" | | |
| Appropriation | | 3,800 00 | |
| Care Bldgs., | \$180 and Inc. Sage Fund | \$600 780 00 | 4,580 00 |

(Student Lab'y fees received 1911-12-----3,205 30)

13,780 00

Chemistry.

| | | |
|-------------------------------------|----------------|----------|
| Dennis, L. M., Professor | Salaries | 4,000 00 |
| Bancroft, W. D., " | " | 3,000 00 |
| Orndorf, W. R., " | " | 3,000 00 |
| Browne, A. W., " | " | 2,500 00 |
| Chamot, E., " | " | 2,500 00 |
| Lundell, G. E. F., Instructor | " | 1,200 00 |
| Redfield, H. W., " | " | 1,000 00 |
| Welch, T. W. B., " | " | 1,000 00 |
| Lemon, B. J., " | " | 1,000 00 |
| Anderson, R. P., " | " | 1,000 00 |
| Hitch, E. F., " | " | 1,000 00 |
| Bennett, C. W., " | " | 1,000 00 |
| Fink, G. J., Assistant | " | 500 00 |
| Rhodes, F. H., " | " | 500 00 |
| Overman, O. R., " | " | 500 00 |
| Sherwood, C. McK., " | " | 400 00 |
| O'Brien, W. J., " | " | 400 00 |
| Gilbert, H. N., " | " | 400 00 |
| Parmlee, A. E., " | " | 400 00 |
| Rose, C. C., " | " | 400 00 |

Paid from

| | Salaries | | |
|---------------------------------|--------------------|-----|-------------|
| Brown, C. O., " | ----- | 400 | 00 |
| Gordon, M. A., " | ----- | 400 | 00 |
| Yount, A. S., " | ----- | 400 | 00 |
| Hitch, A. R., " | ----- | 400 | 00 |
| Lowary, R. C., " | ----- | 400 | 00 |
| Kennedy, J. J., " | ----- | 300 | 00 |
| Miller, C. F., " | ----- | 400 | 00 |
| Ulrich, L. J., " | ----- | 400 | 00 |
| Ralph, W. M., " | ----- | 300 | 00 |
| Broderson, H. J., " | ----- | 400 | 00 |
| van der Melen, P. A., Assistant | ----- | 300 | 00 |
| Elliot, L. D., " | ----- | 400 | 00 |
| Ray, A. B., " | ----- | 400 | 00 |
| Weiser, H. B., " | ----- | 400 | 00 |
| Dugliss, R. P., " | ----- | 300 | 00 |
| Gulick, R. A., " | ----- | 400 | 00 |
| Lee, I. R., " | ----- | 400 | 00 |
| Mahood, S. A., " | ----- | 400 | 00 |
| Davis, M. J., " | ----- | 400 | 00 |
| Mack, E. L., " | ----- | 400 | 00 |
| | | | <hr/> |
| | | | \$33,300 00 |
| Cole, L. H., Clerk | \$780 Dept. Appro. | | |
| Tallmadge, C. M., Ass't & Lib'n | 552 " | | |
| Rappleye, Mary, Stenog. | 408 " | | |
| Feehan, H., Stockroom | 820 " | | |
| Silke, Peter, " | 540 " | | |
| Janitor | 480 " | | |
| Maher, John " | 480 " | | |
| Molella, S., " | 480 " | | |
| Knapp, I. E., " | 480 " | | |
| Ezio, L., " | 420 " | | |
| Appropriation | ----- | | |
| | | | <hr/> |
| | | | \$31,500 00 |

(Student Lab'y fees received 1911-12 \$27,802.39)

\$64,800 00

Entomology.

| | | | |
|-----------------------------------|----------|--------|--------|
| Comstock, J. H., Professor | Salaries | 500 00 | 500 00 |
| (For balance see College of Agr.) | | | |

Geology.

| | | |
|------------------------------------|----------|------------|
| Ries, H., Professor | Salaries | \$3,000 00 |
| Harris, G. D., Professor | " | 3,000 00 |
| Gill, A. C., " | " | 3,000 00 |
| von Engeln, O. D., Ass't Professor | " | 1,500 00 |
| Hook, J. S., Instructor | " | 1,000 00 |

Paid from

| | | | | | | |
|---|---|-------|--------------------|-------|-----------|--------------|
| Somers, R. E., | " | ----- | Salaries | ----- | 1,000 00 | |
| Wilber, D. T., | " | ----- | " | ----- | 800 00 | |
| Ver Wiebe, W. A., | " | ----- | " | ----- | 400 00 | (1st term) |
| Storror, J., | " | ----- | " | ----- | 400 00 | (1st term) |
| Sheldon, P. G., Lecturer | | ----- | " | ----- | 800 00 | |
| Elston, E. D., Assistant | | ----- | " | ----- | 500 00 | |
| Mordoff, R. A., | " | ----- | " | ----- | 500 00 | |
| Clayton, A. B., | " | ----- | " | ----- | 250 00 | (1st term) |
| Hausman, L. H., | " | ----- | " | ----- | 150 00 | (1st term) |
| Dickinson, W. E., | " | ----- | " | ----- | 200 00 | |
| Ramsey, S. W., | " | ----- | " | ----- | 50 00 | (2d term) |
| Olson, A., | " | ----- | " | ----- | 100 00 | |
| | | | | | | \$ 16,650 00 |
| Jacquay, M. E., Sten'r. clerk | | ----- | \$504 Dept. Appro. | ----- | | |
| Fournier, H. E., Janitor | | ----- | Care Bldgs. | ----- | \$ 480 00 | |
| Appropriation | | ----- | | ----- | 2,000 00 | 2,480 00 |
| (Student Lab'y fees received, 1911-12, \$1,085.25). | | | | | | \$19,130 00 |

Mathematics.

| | | | | | | |
|--------------------------------|---|-------|------------|-------|------------|-------------|
| Tanner, J. H., Professor | | ----- | Salaries | ----- | \$3,000 00 | |
| Hutchinson, J. I., Professor | | ----- | " | ----- | 2,500 00 | |
| McMahon, J., | " | ----- | " | ----- | 2,500 00 | |
| Snyder, V., | " | ----- | " | ----- | 2,500 00 | |
| Carver, W. B., Ass't Professor | | ----- | " | ----- | 1,500 00 | |
| Ranum, A., | " | ----- | " | ----- | 1,500 00 | |
| Sharpe, F. R., | " | ----- | " | ----- | 1,500 00 | |
| Gillespie, D. C., | " | ----- | " | ----- | 1,500 00 | |
| Owens, F. W., Instructor | | ----- | " | ----- | 1,200 00 | |
| Craig, C. F., | " | ----- | " | ----- | 1,200 00 | |
| Hurwitz, W. A., | " | ----- | " | ----- | 1,200 00 | |
| McKelvey, J. V., | " | ----- | " | ----- | 1,000 00 | |
| Silverman, L. L., | " | ----- | " | ----- | 1,000 00 | |
| Burgess, R. W., Assistant | | ----- | " | ----- | 500 00 | |
| | | | | | | \$22,600 00 |
| Lynch, P., Janitor | | ----- | Care Bldg. | ----- | \$ 420 00 | |
| Appropriation | | ----- | | ----- | 50 00 | 470 00 |
| | | | | | | \$23,070 00 |

Neurology.

| | | | | | | |
|------------------------------|---|-------|------------|-------|----------|------------|
| Reed, H. D., Ass't Professor | | ----- | Salaries | ----- | 1,500 00 | |
| Wright, A. H., Instructor | | ----- | " | ----- | 1,200 00 | |
| Allen, A. A., | " | ----- | " | ----- | 1,000 00 | |
| Leonard, M. D., Assistant | | ----- | " | ----- | 400 00 | \$4,100 00 |
| | | | | | | |
| Stillwell, E. C., Janitor | | ----- | Care Bldg. | ----- | 600 00 | |
| Appropriation | | ----- | | ----- | 1,200 00 | \$1,800 00 |
| | | | | | | \$5,900 00 |

Physics.*Paid from*

| | Salaries | |
|--|------------|--------------|
| Nichols, E. L., Professor | \$4,000 00 | |
| Bedell, F., " " | 3,000 00 | |
| Merritt, E., " " | 3,000 00 | |
| (See Grad Schl.) | | |
| Shearer, J. S., " " | 3,000 00 | |
| Trevor, J. E., " " | | |
| Moler, G. S., " " | 2,500 00 | |
| Blaker, E., Ass't Professor | 2,000 00 | |
| Richtmyer, F. K., Ass't Professor | 1,500 00 | |
| Gibbs, R. C., " " | 1,500 00 | |
| Rodgers, R. C., Instructor | 1,000 00 | |
| Murdock, C. C., " " | 1,000 00 | |
| Taylor, H. O., " " | 1,000 00 | |
| Goldberg, M. M., " " | 1,000 00 | |
| Forman, A. H., " " | 1,000 00 | |
| Mayer, E. C., " " | 1,000 00 | |
| _____ " " | 1,000 00 | |
| _____ " " | 1,000 00 | |
| Power, C. E., " " | 800 00 | |
| Ayers, H. D., " " | 800 00 | |
| Bidwell, C. C., " " | 800 00 | |
| Buckley, O. E., " " | 800 00 | |
| Howes, H. L., Assistant | 500 00 | |
| Roop, W. P., " " | 400 00 | |
| Thompson, G. E., " " | 400 00 | |
| Davey, W. P., " " | 400 00 | |
| Davies, J. J., " " | 400 00 | |
| Pierce, R. E., " " | 400 00 | |
| Kennard, E. H., " " | 400 00 | |
| Brown, T. B., " " | 400 00 | |
| Gibson, K. S., " " | 400 00 | |
| King, R. W., " " | 400 00 | |
| _____ " " | 400 00 | |
| Fowler, F. C., Mech | 1,100 00 | |
| Calkins, DeWitt Ass't Mech | 720 00 | |
| | | \$38,020 00 |
| Stevens, W. D., Stock Room | \$600 | Dept. Appro. |
| Calkins, Frank, Lecture Asst. | 600 | " |
| Lyons, Nellie, Librarian | 180 | " |
| King, A. A., Stenographer | 504 | " |
| Harty, M., Janitor | 480 | " |
| Terenzio, Joe, Janitor | 540 | " |
| Driscoll, J. J., " " | 480 | " |
| Quinn Mary, Cleaner | 360 | " |
| Griffin, H. L., " " | 360 | " |
| Appropriation | | 10,000 00 |
| [Student Lab'y fees received 1911-12, \$3,295.50]. | | \$48,020 00 |

Music.*Paid from*

| | | | | |
|---------------------------|-------|------------|--------------|------------|
| Dann, H. E., Professor | ----- | \$3,000 00 | Dept. Appro. | |
| Johnston, E. F., Organist | ----- | 1,500 00 | " | |
| Appropriation | ----- | | \$7,112 00 | \$7,112 00 |

Military Science.

| | | | | | |
|--|-------|-----------|-------|----------|----------|
| Gillmore, W. E., Professor | ----- | Salaries | ----- | 800 00 | |
| 12 Assistants at \$100 each | ----- | " | ----- | 1,200 00 | |
| Tuition Commutation of Assistants | ----- | | ----- | 1,200 00 | |
| | | | | | 3,200 00 |
| Brenner, Lula, Stenog., \$408 Dept. Appro. | | | | | |
| Sheehan, T., Janitor | ----- | Care Bdg. | ----- | 420 00 | |
| Appropriation | ----- | | ----- | 900 00 | 1,320 00 |
| | | | | | 4,520 00 |

Physical Culture.

| | | | | | |
|--|-------|------------|-------|------------|-------------|
| Young, C. V. P., Professor | ----- | Salaries | ----- | \$3,000 00 | |
| Munford, S. A., Medical Examiner | ----- | " | ----- | 1,500 00 | |
| Reid, R. T. Ass't Med. Examiner | ----- | " | ----- | 300 00 | |
| Gelas, J. M., Instructor | ----- | " | ----- | 1,200 00 | |
| Conley, L. J., Assistant | ----- | " | ----- | 1,000 00 | |
| O'Connell, W. C., Assistant | ----- | " | ----- | 850 00 | |
| Jennings, H. M., " " | ----- | " | ----- | 150 00 | |
| Shaper, B. W., " " | ----- | " | ----- | 150 00 | |
| Ostrander, R. B., " " | ----- | " | ----- | 150 00 | |
| Student assistance by the hour | ----- | " | ----- | 250 00 | |
| | | | | | 8,550 00 |
| Darling, Floyd | ----- | Care Bldg. | ----- | 520 00 | |
| Hulbert, W. A. | ----- | " | ----- | 480 00 | |
| Appropriation | ----- | | ----- | 2,250 00 | |
| [Gymnasium fees rec'd \$1911-12 \$7,046.00]. | | | | | 3,250 00 |
| [Fees for special instruction 1911-12 \$1,538.25]. | | | | | \$11,800 00 |

Sage College Gymnasium.

| | | | | | |
|---------------------------------|-------|----------|-------|------------|------------|
| Canfield, E. B., Instructor | ----- | Salaries | ----- | \$1,200 00 | |
| Parker, E. E., Medical Examiner | ----- | " | ----- | 300 00 | |
| | | | | | \$1,500 00 |

CIVIL ENGINEERING, College of

| | | | | | |
|--------------------------------|-------|----------|-------|------------|--|
| Haskell, E. E., Director | ----- | Salaries | ----- | \$4,500 00 | |
| Church, I. P., Professor | ----- | " | ----- | 3,500 00 | |
| Crandall, C. L., " " | ----- | " | ----- | 3,500 00 | |
| Jacoby, H. S., " " | ----- | " | ----- | 3,000 00 | |
| Ogden, H. N., " " | ----- | " | ----- | 2,500 00 | |
| Barnes, F. A., Asst. Professor | ----- | " | ----- | 2,000 00 | |
| Schoder, E. W., " " | ----- | " | ----- | 2,000 00 | |
| Leland, O. M., " " | ----- | " | ----- | 2,000 00 | |
| Underwood, P. H., " " | ----- | " | ----- | 1,500 00 | |

Paid from

| | | | | |
|---------------------------------|-------|--------------|----------|---------------------|
| George, S. G., | " | Salaries | 1,500 00 | |
| Parson, J. T., | " | " | 1,500 00 | |
| Pond, M. A., | " | " | 1,500 00 | |
| Rettger, E. W., | " | " | 1,500 00 | |
| Seery, F. J., | " | " | 2,000 00 | |
| Turner, K. B., | " | " | 1,500 00 | |
| Walker, C. L., | " | " | 1,500 00 | |
| Mills, A. P., | " | " | 1,500 00 | |
| Brauner, J. F., Jr., Instructor | " | " | 1,200 00 | |
| Burrows, E. N., | " | " | 1,200 00 | |
| Wilson, A. F., | " | " | 1,000 00 | |
| Powell, R. W., | " | " | 1,000 00 | |
| Lawrence, L. A., | " | " | 1,000 00 | |
| McCurdy, J. C., | " | " | 1,000 00 | |
| Urquhart, L. C., | " | " | 1,000 00 | |
| Hitchcock, F. A., | " | " | 1,000 00 | |
| Baker, C. M., | " | " | 1,000 00 | |
| Teeter, T. A. H., | " | " | 1,000 00 | |
| Daugherty, N. W., | " | " | 1,000 00 | |
| Conwell, W. L., | " | " | 1,000 00 | |
| White, E. C., | " | " | 1,000 00 | |
| Beitz, W. E., | " | " | 800 00 | |
| Cass, C. D., Mechanician | " | " | 900 00 | |
| | | | | \$52,100 00 |
| Illston, E. E., Stenographer | \$576 | Dept. Appro. | | |
| Sanford, G. M., Librarian | 540 | " | | |
| Haylett, L. K., Stenographer | 504 | " | | |
| Campbell, L. A., Carpenter | 720 | " | | |
| Cazenovia, George, Laborer | 480 | " | | |
| Marshall, G. H., Janitor | | Care Bldgs. | 420 00 | |
| Larson, P. K. | | " | 480 00 | |
| Appropriation | | | 7,100 00 | 8,000 00 |
| | | | | <u>\$ 60,100 00</u> |

Graduate School.

| | | | |
|---------------------|-------------------|--------|----------|
| Merritt, E., Dean | Salaries | 500 00 | |
| Marriott, B., Clerk | \$420 Dept. Appn. | | |
| Appropriation | | 700 00 | 1,200 00 |

Law, College of

| | | | |
|-------------------------------|----------|------------|--|
| Irvine, F., Director | Salaries | \$4,000 00 | |
| Drew, W. L., Professor | " | 3,500 00 | |
| Hayes, A., Jr., Professor | " | 3,500 00 | |
| Woodruff, E. H. | " | 3,500 00 | |
| Stagg, C. T., Asst. Professor | " | 2,000 00 | |
| Bogart, G. G., | " | 2,000 00 | |

| <i>Paid from</i> | | | |
|-------------------------------------|------------------|----------|--------------------|
| Willever, E. E., Librarian----- | Salaries ----- | 2,000 00 | |
| Tillou, H. J., Asst. Librarian----- | " ----- | 100 00 | |
| Dobmeier, F., "----- | " ----- | 100 00 | |
| Dutcher, C. A., "----- | " ----- | 100 00 | |
| | | <hr/> | 20,800 00 |
| Powers, L., Janitor, ----- | Care Bldgs.----- | 480 00 | |
| Appropriation----- | | 1,000 00 | |
| " Law Library----- | | 2,500 00 | |
| | | <hr/> | 3,980 00 |
| | | <hr/> | <u>\$24,780 00</u> |

MEDICAL College at Ithaca.**Anatomy.**

| | | | |
|--|----------------|------------|----------|
| Kerr, A. T., Professor and Secretary-- | Salaries ----- | \$3,500 00 | |
| Webb, C. W., Assistant----- | " ----- | 500 00 | |
| Davis, H. K., "----- | " ----- | 500 00 | |
| ----- "----- | " ----- | 500 00 | |
| | | <hr/> | 5,000 00 |

Histology.

| | | | |
|-------------------------------------|---------|------------|----------|
| Kingsbury, B. F., Professor----- | " ----- | \$3,000 00 | |
| Badertscher, J. A., Instructor----- | " ----- | 1,000 00 | |
| Kingery, H. M., Assistant----- | " ----- | 250 00 | |
| Shilliday, C. L., "----- | " ----- | 500 00 | |
| Koten, L., "----- | " ----- | 250 00 | |
| | | <hr/> | 5,000 00 |

Embryology Research.

| | | | |
|--------------------------------------|----------------|----------|--------|
| Gage, S. H., Professor Emeritus----- | Salaries ----- | \$500 00 | 500 00 |
|--------------------------------------|----------------|----------|--------|

**Physiology, Biochemistry
and Pharmacology.**

| | | | |
|------------------------------------|---------|----------|------------|
| Simpson, S., Professor----- | " ----- | 3,000 00 | |
| Hunter, A., Ass't "----- | " ----- | 2,000 00 | |
| Dresbach, M., Ass't Professor----- | " ----- | 1,500 00 | |
| Givens, M. H., Instructor----- | " ----- | 1,000 00 | |
| Livingston, A. E., Assistant----- | " ----- | 500 00 | |
| | | <hr/> | \$8,000 00 |

MacMillan, B. R., Mech-----\$720 Dept. Appro.

| | | | | |
|---------------------------------|-----|---|---|--|
| -----, Janitor----- | 480 | " | " | |
| Messer, C., Janitor----- | 480 | " | " | |
| Ferrell, W. F., Preparator----- | 450 | " | " | |
| Newhart, L., Embalmer----- | 660 | " | " | |
| Clark, Hilda A., Stenog----- | 552 | " | " | |
| Appropriation----- | | | | |

\$8,325 00

\$26,825 00

SIBLEY COLLEGE.**Power Engineering.**

| | | |
|-----------------------------------|----------|------------|
| Smith, A. W., Director | Salaries | \$5,000 00 |
| Barnard, W. N., Professor | " | 2,750 00 |
| Hirshfeld, C. F., " | " | 2,500 00 |
| Ellenwood, F. O., Ass't Professor | " | 1,500 00 |
| Parmley, H. M., Instructor | " | 1,000 00 |
| Jones, E. T., " | " | 800 00 |
| Ulbricht, T. C., " | " | 1,000 00 |
| Thompson, P. W., " | " | 1,000 00 |

\$15,550 00**Experimental Engineering.**

| | | |
|--------------------------------|----------|------------|
| Carpenter, R. C., Professor | Salaries | \$3,000 00 |
| Diederick, H., " | " | 3,500 00 |
| Sawdon, W. M., Ass't Professor | " | 1,500 00 |
| Upton, G. B., " " | " | 1,500 00 |
| Gage, V. R., " " | " | 1,500 00 |
| Tappen, F. G., Instructor | " | 1,200 00 |
| Wilson, L. A., " | " | 1,000 00 |
| Bierma, A. G., " | " | 1,000 00 |
| Wigley, W. L., " | " | 1,000 00 |
| Peach, P. L., " | " | 1,000 00 |
| Hook, W. H., " | " | 1,000 00 |
| Diederich, W. J., " | " | 800 00 |
| Wing, S. R., " | " | 1,000 00 |
| Burnett, E. S., " | " | 1,000 00 |
| Carpenter, C. K., " | " | 1,000 00 |
| Rogers, G. M., " | " | 1,000 00 |

\$22,000 00**Machine Design.**

| | | |
|--------------------------------|----------|------------|
| Kimball, D. S., Professor | Salaries | \$4,000 00 |
| McDermott, G. R., " | " | 2,700 00 |
| Hess, H. D., " | " | 2,500 00 |
| Albert, C. D., Asst. Professor | " | 1,500 00 |
| Hayes, L. D., " | " | 1,500 00 |
| Williams, J. T., " | " | 1,500 00 |
| Freeman, H. L., Instructor | " | 1,200 00 |
| Ham, C. W., " | " | 1,200 00 |
| Pierce, C. A., " | " | 1,000 00 |
| Corwin, C. D., " | " | 1,000 00 |
| Adler, E., " | " | 1,000 00 |
| Lee, M. A., " | " | 1,000 00 |
| Eaton, P. B., " | " | 1,000 00 |
| Du Priest, J. R., " | " | 1,000 00 |
| Townsend, C. E., " | " | 1,000 00 |
| Klinck, F. E., " | " | 1,000 00 |

Paid from

| | | | | | |
|---|-------|----------|-------|----------|--------------|
| Mills, G. C., Instructor | ----- | Salaries | ----- | 1,000 00 | |
| Bennett, L. W., " | ----- | " | ----- | 800 00 | |
| van der Does de Bye, A. J. J., Instructor | ----- | " | ----- | 800 00 | |
| Bradford, L. J., Instructor | ----- | " | ----- | 800 00 | |
| Hussey, T. A., " | ----- | " | ----- | 800 00 | |
| Waters, H. H., Assistant | ----- | " | ----- | 400 00 | |
| Bown, R. A., " | ----- | " | ----- | 400 00 | \$ 29,100 00 |

Machine Construction.

| | | | | | |
|-------------------------------------|-------|---|-------|------------|--------------|
| Wells, A. E., Asst. Professor | ----- | " | ----- | \$2,000 00 | |
| Vanderhoef, J. E., Foreman Foundry | ----- | " | ----- | 1,000 00 | |
| Kitchen, F. L., Asst. in Foundry | ----- | " | ----- | 750 00 | |
| Head, W. L., Foreman in Forge | ----- | " | ----- | 1,000 00 | |
| Brooks, C. A., Asst. in Forge | ----- | " | ----- | 750 00 | |
| Hooper, L., Foreman in Pattern Shop | ----- | " | ----- | 1,000 00 | |
| Troutman, O. W., Asst. in " | ----- | " | ----- | 750 00 | |
| Bush, H. S., " " " | ----- | " | ----- | 750 00 | |
| Card, Geo. R., " " " | ----- | " | ----- | 540 00 | |
| Buck, W. B., Asst. in Machine Shop | ----- | " | ----- | 750 00 | |
| Howe, B. N., " " " | ----- | " | ----- | 750 00 | |
| Smith, W. B., " " " | ----- | " | ----- | 750 00 | \$ 10,790 00 |

Electrical Engineering.

| | | | | | |
|----------------------------------|-------|----------|-------|------------|--------------|
| Norris, H. H., Professor | ----- | Salaries | ----- | \$3,500 00 | |
| Karapetoff, V., " | ----- | " | ----- | 2,500 00 | |
| Macomber, G. S., Asst. Professor | ----- | " | ----- | 2,000 00 | |
| Ford, W. S., Asst. Professor | ----- | " | ----- | 2,000 00 | |
| Douglass, J. F. H., Instructor | ----- | " | ----- | 1,200 00 | |
| Tower, C. H., " | ----- | " | ----- | 1,200 00 | |
| Pertsch, J. G., " | ----- | " | ----- | 1,000 00 | |
| Stevens, J. F., " | ----- | " | ----- | 1,000 00 | |
| Catlin, W. S., " | ----- | " | ----- | 800 00 | |
| Stevens, A. C., " | ----- | " | ----- | 1,000 00 | |
| Ballard, W. C., " | ----- | " | ----- | 1,000 00 | |
| Brown, H., " | ----- | " | ----- | 1,000 00 | |
| Stevenson, R. L., " | ----- | " | ----- | 1,000 00 | |
| Chamberlain, R. F., " | ----- | " | ----- | 1,000 00 | |
| Morrow, L. W., " | ----- | " | ----- | 1,000 00 | \$ 21,200 00 |

Mechanics of Engineering.

| | | | | | |
|---------------------------------|-------|----------|-------|----------|--|
| Wood, E. H., Professor | ----- | Salaries | ----- | 2,500 00 | |
| Garrett, S. S., Asst. Professor | ----- | " | ----- | 1,500 00 | |
| Daughtery, R. L., " | ----- | " | ----- | 1,500 00 | |
| Cornell, W. R., Instructor | ----- | " | ----- | 1,000 00 | |

Paid from

| | | | |
|---|--------------------|-----------|---------------------|
| Fried, J. A., Instructor | Salaries | 1,000 00 | |
| Francis, D. R., " | " | 1,000 00 | |
| Day, R. B., " | " | 800 00 | |
| Race, G. W., Mechanician | " | 850 00 | |
| Gregory, E. W., " | " | 800 00 | |
| Cullighan, G. A., " | " | 800 00 | |
| Bush, J. A., " | " | 540 00 | |
| Bedell, J. C., { Rent \$12.50 | " | 600 00 | |
| Engineer { Water W. 12.50 | " | | |
| Colquhoun, Miss M., Clerk Exp. Eng. | " | 600 00 | |
| Robinson, Mrs. E. N., Sec'y to Director | " | 504 00 | \$ 13,994 00 |
| Stout, J. C., Janitor | Care Bldgs. | 480 00 | |
| Quirk, T., " | " | 480 00 | |
| Bedell, F., " | " | 480 00 | |
| Smith, R. T., " | " | 480 00 | |
| Corp, H. A., " | " | 480 00 | |
| Head, W. F., Asst. in Forge | " | 480 00 | |
| Kramer, F., Tool-keeper | \$480 Dept. Appro. | | |
| Handlen, K., Stenographer | 504 | " | |
| Markell, L. M., " | 504 | " | |
| Shepard, R. L., Librarian | 504 | " | |
| Newman, M., Stenographer | 408 | " | |
| Appropriation | | 15,000 00 | 18,360 00 |
| | | | <u>\$130,994 00</u> |

ADMINISTRATION.

President's Office.

| | | | |
|--------------------------------|----------|--------------|--------------|
| Schurman, J. G., President | Salaries | \$ 10,000 00 | (Lv. of Ab.) |
| Crane, T. F., Actg. " | " | 5,000 00 | |
| Carman, Miss A. B., Ass't Secy | " | 900 00 | |
| Terry, Miss C. M., Stenog | " | 600 00 | \$ 16,500 00 |

Registrar's Office.

| | | | |
|------------------------------|----------|------------|-------------|
| Hoy, D. F., Registrar | Salaries | \$3,000 00 | |
| Smith, O. W., Assistant | " | 750 00 | |
| Clark, Miss R. M., Assistant | " | 720 00 | |
| Ross, Miss H. M., " | " | 600 00 | |
| Clerical Assistance by hour | " | 250 00 | \$ 5,320 00 |

Secretary's Office.

| | | | |
|--------------------------|------------|------------|-------------|
| Dugan, W. J., Secretary | Salaries | \$2,000 00 | |
| Sutfin, Miss J., Stenog | " | 528 00 | |
| Crawford, Miss L., Clerk | Univ. Pub. | 600 00 | \$ 3,128 00 |

Treasurer's Office.*Paid from*

| | | | |
|---|----------------|------------|--------------|
| Williams, E. L., Treasurer----- | Salaries ----- | \$5,000 00 | |
| Bostwick, C. D., Ass't Treasurer----- | " ----- | 2,750 00 | |
| Van Order, R. M., Assistant----- | " ----- | 1,000 00 | |
| Driscoll Miss E. L. "----- | " ----- | 1,000 00 | |
| Terry, Miss C. L., Bookkeeper----- | " ----- | 600 00 | |
| Lewis, B., "----- | " ----- | 600 00 | |
| Boyd, H. M., Clerk and Stenog----- | " ----- | 600 00 | |
| Otten, Miss A. C., Clerk and Stenog-- | " ----- | 600 00 | |
| Roskelly, Miss L., " "----- | " ----- | 408 00 | |
| Bierce, Miss R., " "----- | " ----- | 360 00 | |
| Smith, J. W., Ass't and Inspector Agriculture ----- | | 900 00 | \$ 13,818 00 |
| <hr/> | | | |
| Hayes, R. B., Supt. Heat, Light & Power | Salaries ----- | \$2,000 00 | |
| Sprigg, Edw., " of Buildings----- | " ----- | 2,000 00 | |
| Evans, F. C. Supt. of Grounds----- | " ----- | 1,200 00 | |
| Cornell, C. E., Inspector----- | " ----- | 1,800 00 | |
| Babcock, C., Architectural Adviser--- | " ----- | 750 00 | |
| Twosten, T. H., Proctor----- | " ----- | 1,875 00 | |
| Brown, A., Night Watch----- | " ----- | 660 00 | |
| Collins, Jas., Messenger Service----- | " ----- | 470 00 | |
| McGraime, Wm., Messenger----- | " ----- | 120 00 | \$ 10,875 00 |
| <hr/> | | | |
| Total Salary Appropriation----- | | | \$568,095 00 |
| <hr/> | | | |

CORNELL UNIVERSITY.

AUGUST 1, 1912.

CHANGES IN INVESTMENTS SINCE FEBRUARY 1, 1912.

Corporation Bonds, Notes and Stocks, February 1, 1912, \$7,901,407 12

| PURCHASED | COST | BOOK VALUE |
|---|-------------|-------------|
| American Tobacco Co., 6% preferred stock @ 102¾ ----- | \$ 3,390 76 | \$ 3,300 00 |
| Liggett & Meyers Tobacco Co., 7% preferred stock @ 107⅞ --- | 5,501 62 | 5,100 00 |
| P. Lorillard Co, 7% preferred stock @ 110 ----- | 7,150 01 | 6,500 00 |
| General Chemical Co., 1st and 2d installments on 25 shares taken at 100 on rights ----- | 1,250 00 | 1,250 00 |
| Studebaker Corporation 5% notes due 1912-22 @ 97¾ ----- | 29,325 00 | 30,000 00 |
| Ithaca St. Railway Co., 5% receivers certificates @ 100 ----- | 8,000 00 | 8,000 00 |
| Carolina Power & Light Co., 1st 5% Mtge. due 1938 @ 93½ ---- | 23,375 00 | 25,000 00 |
| Columbia-Knickerbocker Trust Co., 34 2-12 shares of stock and 82 shares Beneficial Certificates taken in exchange for 82 shares Knickerbocker Trust Co. stock | 8,200 00 | 8,200 00 |
| New York Railway Co., 4% Rfdg. bonds, \$37,000 @ 81, taken in reorganization of Metropolitan St. Ry. ----- | 29,970 00 | 29,970 00 |
| New York Railway Co., 5% adjustment bonds, \$75,000 @ 56, taken in reorganization of Metropolitan St. Ry. ----- | 42,000 00 | 42,000 00 |
| The following were taken from the executors of the estate of Mr. Goldwin Smith : | | |
| Niagara Falls Park and River Ry. Co., 1st 5% Mtge. due 1914 @ 98 | 6,860 00 | 7,000 00 |
| Middlesex, County of, 4% debenture, due 1917 @ 99 ----- | 4,950 00 | 5,000 00 |

| | | |
|--|-----------|-----------|
| Lake Champlain & St. Lawrence Junction Ry. Co., 1st 4% Mtge. due 1940, @ 93.60----- | 14,040 00 | 15,000 00 |
| St. Paul Minn. & Manitoba Ry. Co. (Montana Ext.) 1st 4% Mtge. due 1937, @ 97 $\frac{3}{8}$ ----- | 4,868 75 | 5,000 00 |
| St. Paul Minn. & Manitoba Ry. Co. Conv. 6% Mtge. due 1933 @ 104 $\frac{3}{4}$ ----- | 5,237 50 | 5,000 00 |
| Woodstock, Town of, 4% debenture, due 1930, @ 97----- | 4,850 00 | 5,000 00 |
| Commercial Cable Co. 1st 4% Mtge. bonds due 2397 @ 83 $\frac{3}{4}$ - | 10,468 75 | 12,500 00 |
| Lindsay, Town of 4 $\frac{1}{2}$ % debentures due 1912-14 @ 4 $\frac{1}{4}$ b----- | 2,545 02 | 2,535 98 |
| Union Pacific, Conv. 4% bonds due 1927 @ 103 ----- | 2,060 00 | 2,000 00 |
| Toronto, City of, debentures due 1925 @ 97.50----- | 473 85 | 486 00 |
| Galt, Town of, 5% debentures due 1928 @ 107.85----- | 2,157 00 | 2,000 00 |
| London Township, debentures due 1912-23 @ 4 $\frac{1}{4}$ b----- | 4,368 54 | 4,368 54 |
| Winnipeg, City of, 4% debentures due 1912 @ 100 ----- | 1,000 00 | 1,000 00 |
| Ogilvie Flour Mills, 1st 6% Mtge. due 1932 @ 107.80----- | 2,156 00 | 2,000 00 |
| London City, 4% debentures due 1916 @ 99.10----- | 991 00 | 1,000 00 |
| London & Canadian Loan Agency 4 $\frac{1}{2}$ % debentures due 1915@100 | 2,000 00 | 2,000 00 |
| Royal Canadian Yacht Club 5% debentures due 1925 @ 100 - | 400 00 | 400 00 |
| Union Pacific Ry. Co., 4% preferred stock @ 91 $\frac{3}{8}$ ----- | 6,854 95 | 7,500 00 |
| Mackay Companies, 4% preferred stock @ 109 $\frac{7}{8}$ ----- | 14,064 00 | 12,800 00 |
| Mackay Companies, 5% common stock @ 80 ----- | 10,240 00 | 12,800 00 |
| Northern Pacific Ry. Co., 7% stock @ 121 $\frac{1}{8}$ ----- | 41,303 62 | 34,100 00 |
| Great Northern Iron Ore Certificates @ 40 $\frac{1}{2}$ ----- | 7,978 50 | 7,978 50 |
| Great Northern Ry. 7% preferred stock at 132----- | 36,960 00 | 28,000 00 |
| New York Central & Hud. River R.R. Co., 5% stock @ 119 $\frac{3}{8}$ -- | 33,186 00 | 27,800 00 |

| | | | |
|-----------------------------------|----------|----------|---------------|
| Dominion of Canada, 3½ % @ 98 | 4,900 00 | 5,000 00 | |
| Halifax, City of, 4½ % stock ---- | 1,400 00 | 1,400 00 | |
| Northern Securities stock @ 110 | 660 00 | 600 00 | \$ 369,589 02 |

\$369,589 02 \$8,270,996 14

| PAID OR SOLD | SALE | BOOK VALUE | |
|---|-----------|------------|-----------------------|
| Newton City, Kansas, Sold to | | | |
| Township @ 105.53----- | 25,327 00 | 24,000 00 | |
| Lincoln Twp., Cloud Co., Kan. -- | | 5,000 00 | |
| Iola Twp., Allen Co., Kansas ---- | | 1,000 00 | |
| Fairmont City, Nebraska ----- | | 2,000 00 | |
| Ness County, Kansas ----- | | 1,000 00 | |
| Eureka Twp., Barton Co. Kan., | | | |
| sold to Township @ 107 ----- | 2,140 00 | 2,000 00 | |
| Trow Directory Ptg. & Bk'b'g Co. | | 5,000 00 | |
| Seaboard Air Line----- | | 26,000 00 | |
| Aurora Twp., Cloud Co., Kan. -- | | 500 00 | |
| Great Southern Lumber Co. ---- | | 1,000 00 | |
| Escambia Co., Florida----- | | 1,000 00 | |
| Mound Twp., McPherson Co., Ks. | | 1,000 00 | |
| South Haven Twp., Kan. ----- | | 1,000 00 | |
| Grant Twp. Jewell Co., Kan. ---- | | 1,000 00 | |
| Elk Creek Twp., Kan. ----- | | 1,000 00 | |
| Mound City Twp., Kan. ----- | | 500 00 | |
| Washington Twp., Rice Co., Kan. | | 1,000 00 | |
| Shell Rock Twp., Kan.----- | | 1,000 00 | |
| Marquette City, Kan. ----- | | 500 00 | |
| Eden Twp., Kan. ----- | | 500 00 | |
| Waring Twp., Kan. ----- | | 1,000 00 | |
| Nevada Twp., Kan. ----- | | 1,000 00 | |
| Pierce Village, Neb. ----- | | 500 00 | |
| So. Stillwater, Minn.----- | | 1,000 00 | |
| Tonganoxie Twp., Kan.----- | | 5,000 00 | |
| San Paulo Brazil Bonds----- | | 4,860 00 | |
| Buffalo & Susquehanna Iron Co. | | 4,000 00 | |
| The Tidewater Co., called @ 101 | 25,250 00 | 25,000 00 | |
| Cornell Land & Power Co.----- | | 2,000 00 | |
| City of Winnipeg. Man. ----- | | 1,000 00 | |
| Saginaw Valley Twp. Bonds sold | | | |
| @ 102----- | 25,500 00 | 25,000 00 | |
| Knickerbocker Trust Co., Ex- | | | |
| changed for Columbia Knicker- | | | |
| bocker Trust Co.----- | | 8,200 00 | |
| Metropolitan St. Ry. Co., Ex- | | | |
| changed for New York Rys. -- | | 75,000 00 | \$ 229,560 00 |
| <hr/> | | | |
| Bonds, Notes and Stocks, August 1, 1912 ----- | | | <u>\$8,041,436 14</u> |

MORTGAGES.

| | |
|---|-----------------------|
| Bonds and Mortgages, Feb. 1, 1912----- | \$1,148,525 00 |
| Purchased Feb. 1, 1912 to Aug. 1, 1912----- | 145,130 00 |
| Received from Executor of Goldwin Smith Will----- | 335,304 03 |
| | <hr/> |
| | 1,628,959 03 |
| Mortgages paid Feb. 1, 1912 to Aug. 1, 1912----- | 197,852 56 |
| | <hr/> |
| | <u>\$1,431,106 47</u> |

BILLS RECEIVABLE.

| | |
|--|--------------|
| Bills receivable Feb. 1, 1912----- | \$ 85,977 50 |
| Less received on account of C. W. Morse notes in liquidation of Mercantile Trust Co.----- | 6,500 00 |
| | <hr/> |
| | \$ 79,477 50 |

Respectfully submitted,

E. L. WILLIAMS,

Treasurer.

CORNELL UNIVERSITY.

NOVEMBER 1, 1912.

CHANGES IN INVESTMENTS SINCE AUGUST 1, 1912.

| Corporation Bonds, Notes and Stocks, August 1, 1912, \$8,041,436 14 | | |
|---|-----------|-----------------------|
| PURCHASED | COST | BOOK VALUE |
| General Chemical Company 3rd installment on 25 shares taken at 100 on rights----- | \$ 625 00 | \$ 625 00 |
| Ithaca Street Railway Co., 1st 6% Mtge. due 1922 at 98----- | 1,960 00 | 2,000 00 |
| Ithaca Street Railway Co., 2nd 6% Mtge. due 1922 at 98----- | 2,940 00 | 3,000 00 |
| General Electric Co., 5% Deb. Bonds at 98 $\frac{3}{4}$ ----- | 4,937 00 | 5,000 00 |
| St. Louis & San Francisco R. R. Co., 4% refunding bonds at 78 | 3,900 00 | 5,000 00 |
| Utah Light & Power, 5% Prior Lien at 99----- | 4,950 00 | 5,000 00 |
| General Baking Co., 5% Secured Note at 97.7748----- | 24,443 70 | 25,000 00 |
| Japanese Imperial, 2nd Bonds—by error in credit, August, 1911 | | 130 00 45,755 00 |
| | | <u>\$8,087,191 14</u> |
| PAID OR SOLD | SALE | BOOK VALUE |
| Beatrice, Nebraska, School District ----- | | \$ 1,000 00 |
| Crow Wing Co., Minnesota. | | 55,000 00 |
| Smoky Hill Twp. McPherson Co. | | 1,000 00 |
| Iola Twp. Allen Co. | | 500 00 |
| Ness Co., Kansas----- | | 1,000 00 |
| Pierce Village, Pierce Co., Nebraska----- | | 500 00 |
| Evansville & Terra Haute----- | | 25,000 00 |
| International Nickel Co. sold to Bankers Trust Co. at 110. | 27,500 00 | 25,000 00 |
| Cornell Land & Power Co. | | 450 00 |
| Studebaker Corporation----- | | 1,500 00 110,950 00 |
| | | <u>\$7,976,241 14</u> |
| Bonds, Notes and Stocks, November 1, 1912----- | | |

MORTGAGES.

| | |
|--|-----------------------|
| Bonds and Mortgages, August 1, 1912----- | \$1,431,106 47 |
| Purchased Aug. 1, 1912 to Nov. 1, 1912 ----- | 74,000 00 |
| | <hr/> |
| | \$1,505,106 47 |
| Mortgages paid Aug. 1, 1912 to Nov. 1, 1912----- | 61,228 36 |
| | <hr/> |
| | <u>\$1,443,878 11</u> |

BILLS RECEIVABLE.

| | |
|--|---------------------|
| Bills Receivable Aug. 1, 1912----- | \$ 79,477 50 |
| Less received on account of C. W. Morse notes in liquidation of Mercantile Trust Co ----- | 5,500 00 |
| | <hr/> |
| | <u>\$ 73,977 50</u> |

Special Deposits, November 1, 1912, being
surplus current income not required to
meet expenses, for from thirty to sixty
days, and temporarily deposited to ob-
tain 3% interest till needed.

| | |
|-------------------------------|--------------|
| Columbia Trust Co.----- | \$26.674 20 |
| Guaranty Trust Co.----- | 25,695 47 |
| Bankers Trust Co ----- | 25,554 07 |
| Metropolitan Trust Co.----- | 25,386 10 |
| U. S. Mortgage & Trust Co.--- | 25,154 64 |
| Ithaca Trust Co.----- | 1,564 74 |
| | <hr/> |
| | \$130,029 22 |

Respectfully submitted,

E. L. WILLIAMS,

Treasurer.

CORNELL UNIVERSITY.

FEBRUARY 1, 1913.

CHANGES IN INVESTMENTS SINCE NOVEMBER 1, 1912.

Corporation Bonds, Notes and Stocks, November 1, 1912, \$7,976,241 14

| PURCHASED | COST | BOOK VALUE |
|---|-----------|-----------------------|
| General Chemical Co., 4th and last installment on 25 shares taken at 100 on rights----- | \$ 625 00 | \$ 625 00 |
| Austrian Government, 4½% Treas. Notes, due July 1, 1914 and 1915 @ 97½ = 6% basis-- | 24,375 00 | 25,000 00 |
| United States Steel Corp. 5% Sinking Fund Bonds due 1963 @ 101----- | 50,500 00 | 50,000 00 |
| International Nickel Co. 6% Pref. Stock @ 106 11/16 = 5.6 basis ----- | 21,337 50 | 20,000 00 |
| American Smelters Securities Co. 6% Sinking Fund, Conv. Notes due 1926 @ 103¼ = 5½ basis | 10,323 42 | 10,000 00 |
| American Cyanamid Co. 6% Pref. Stock @ 100, being a gift to found the C. H. Baker Prize----- | 2,000 00 | 2,000 00 |
| Union Typewriter Co. 5% Notes due Jan. 15, 1916 @ 98 = 5¾ basis ----- | 24,500 00 | 25,000 00 |
| LaCrosse Water Power Co. On account of subscription to new bonds in reorganization of the company ----- | 3,360 00 | 3,360 00 |
| | | 135,985 00 |
| | | <u>\$8,112,226 14</u> |

| PAID OR SOLD | SALE | BOOK VALUE |
|---|-------------|-----------------------|
| Kiowa Co. Kans. sold @ 102¼ = 4.40 basis ----- | \$20,450 00 | \$20,000 00 |
| Fairbury City, Nebraska ----- | | 2,000 00 |
| Mound Twp. McPherson Co. | | 2,000 00 |
| Clarks Creek Twp. | | 1,000 00 |
| Diamond Valley Twp. | | 1,000 00 |
| Rock Creek Twp. Kans. | | 1,000 00 |
| Highland Twp. Morris Co. | | 1,000 00 |
| Rolling Prairie Morris Co. | | 2,000 00 |
| Lane Twp. Greenwood Co. | | 1,000 00 |
| Center Twp. Dickinson Co. | | 1,000 00 |
| Green Garden Twp. Kans. | | 1,000 00 |
| Liberty Twp. Dickinson Co. | | 1,000 00 |
| Plumb Twp. Phillips Co. | | 1,000 00 |
| Oskaloosa Twp. Jefferson Co. .. | | 1,000 00 |
| Plumb Grove Twp. Butler Co. | | 2,000 00 |
| Spring Creek Twp. | | 2,000 00 |
| Eureka Twp. Kans. sold @ 106. 1,060 00 | 1,060 00 | 1,000 00 |
| School Dist. No. 58 Allen Co. .. | | 500 00 |
| Iron Mountain Car Trust. | | 25,000 00 |
| Wabash Railroad Co. | | 5,000 00 |
| Union Pacific Railroad Co. 1st and Refdg 4% due 2008 sold @ 95¼ and 95½ = 4.25 basis. | 6,665 00 | 7,000 00 |
| San Paulo, Brazil, Bonds. | | 2,916 00 |
| Union Typewriter Co. | | 25,000 00 |
| Cornell Land and Power Co. | | 350 00 |
| Town Lindsay, Ontario | | 808 41 |
| Great Northern Iron Ore. | | 98 50 |
| | | <u>107,672 91</u> |
| Bonds, Notes and Stocks, February 1, 1913----- | | <u>\$8,004,553 23</u> |
| MORTGAGES. | | |
| Bonds and Mortgages, November 1, 1913 ----- | | \$1,443,878 11 |
| Mortgages paid Nov. 1, 1912, to February 1, 1913----- | | 24,997 18 |
| | | <u>\$1,418,880 93</u> |
| BILLS RECEIVABLE. | | |
| Bills Receivable November 1, 1912----- | \$ | 73,977 50 |
| Received on account of C. W. Morse Notes in liquidation of Mercantile Bank stock, and sale of Irving National Bank stock ----- | | 23,182 21 |
| | | <u>\$ 50,795 29</u> |
| Note of Henry Wilcox & Son of Denver, @ 5¼%, due May 15, 1917, secured by note for \$32,000 with Mortgage on 923 acres of land and 163 shares of stock of the Fort Morgan Reservoir and Irrigation Co. | | 30,000 00 |
| | | <u>\$ 80,795 29</u> |

Special Deposits February 1, 1913.

| | |
|-------------------------------|------------|
| Columbia Trust Co. | \$1,768 29 |
| Bankers Trust Co. | 556 61 |
| U. S. Mortgage & Trust Co.... | 233 78 |
| Ithaca Trust Co..... | 1,564 74 |
| Guaranty Trust Co..... | 695 47 |
| Metropolitan Trust Co..... | 386 10 |

\$ 5,204 99

On January 13th, 1913, the Executive Committee took the following action, which was afterwards ratified by the Full Board :

"The Treasurer reported that interest had been in default upon the \$25,000 of bonds of the La Crosse Water Power Company held by the University, and that a reorganization of the Company was under way, and on the recommendation of the Finance Committee, the Treasurer was authorized to subscribe for bonds and stocks in the new Company as per the reorganization plans submitted by the Bondholder's Committee, and to charge any loss in the investment to the Premium and Discount Account."

The loss on the above mentioned bonds has not yet been charged off, as the amount has not been determined, but it will probably be in the neighborhood of \$10,000 to \$12,000.

In this connection, I desire to outline for the information of the members of the Board of Trustees, the policy which has been followed by the Finance Committee in making University investments.

In the early 80's, the Committee, after careful consideration, adopted the policy of investing in certain classes of securities, in which Insurance Companies, Trust Companies and careful individuals invested, and which paid upon an average, about 1% more income than securities commonly known as Trust Fund or Savings Bank Securities. The Trustees realized that in following this policy, there was danger of an occasional loss and, therefore, took measures for creating a permanent reserve or insurance fund to meet such losses.

The action of the Full Board on October 27, 1886, was as follows :

"*Resolved*, That the Treasurer be, and is hereby ordered to set apart each year, five percent of the annual income of the University to cover such losses as may occur through bad investments, fire or otherwise. Carried.

Resolved, That the sum so set apart be invested like other permanent funds of the University, and that such fund be a source of reliance to replace any extraordinary losses which may happen in the future. Carried."

In the revision of the University Statutes in 1891 this provision was continued, but an exception made in the case of funds received from the United States Government.

In 1897, 1899, and 1901, we met losses on the Denny Hotel Company Mortgage, the Fort Leavenworth, Topeka, and Northwestern Bonds, and on the Brooklyn Wharf and Warehouse property, and

these losses were charged to the accumulation then in the insurance fund. In 1893, by order of the Board of Trustees, something over \$50,000 was taken from this fund for the purpose of erecting the North Addition to Morse Hall, and in 1903, \$97,141.00, being the entire balance then in the fund, was taken for the purchase of the Residential Halls plot between West and Stewart Avenues. Since that time, the fund has been annually transferred back to current income to meet the general expenses of the University. The credit balance of this fund on August 1, 1912, was only \$110.90 which accounts for the necessity of charging the loss of the La Crosse Water Power Company Bonds as above to Premium and Discount. This is the first time since 1901 that we have had to charge off a loss, which is very fortunate, for during this whole period we have accumulated nothing in our insurance fund and have been without resources, other than reduction of capital, for meeting losses of any considerable amount.

On November 1, 1912, we had a credit balance of \$110,246.47 in our Premium and Discount Account and a credit of \$28,287.00 on foreclosure real estate, but upon the same date the actual market value of our securities, as a whole, was \$70,000 less than par or face value, which reduces this credit by that amount. Not only have we omitted, for many years, to set aside anything to our insurance fund, but in 1907, by order of the Board, we transferred \$10,000 from Premium and Discount to current income to cover subscription made to the City of Ithaca on account of adjustment of its water debt, and in 1910, by like order, we transferred \$42,276.68 from Premium and Discount to income to be applied on current expenses. We are receiving annually from the class of securities in which we are investing, an income of \$70,000 to \$80,000 in excess of what we could realize if we confined our investments to trust fund securities, and I cannot help feeling that we are unwise in neglecting to set aside some part of this added income to meet emergencies. In my judgment we ought at once to begin building up our insurance fund and if it be impracticable at this time to set aside the full 5% provided for in the resolution of the Board of October 27, 1886, then let us take, say 3% of the income derived from that class of securities upon which we are assuming some risk for the sake of the increased income. This would amount to about \$12,000 annually, only about 15% of the increased income received on this class of investments.

I feel that this is a matter of importance and sincerely trust that the Board will take it into serious consideration at its next meeting.

Respectfully submitted,

E. L. WILLIAMS,
Treasurer.

CORNELL UNIVERSITY.

MAY 1, 1913.

CHANGES IN INVESTMENTS SINCE FEBRUARY 1, 1913.

Corporation Bonds, Notes and Stocks, February 1, 1913, \$8,004,553 23

| PURCHASED | COST | BOOK VALUE |
|---|-------------|-----------------------|
| Union Typewriter Co. 5% Gold Notes, due Jan. 1916, @ 98-- | \$24,500 00 | \$25,000 00 |
| Hilton & Dodge Lumber Co. 6% Sinking Fund Mtg. due Jan. 1917-1922 @ 100 ----- | 25,000 00 | 25,000 00 |
| Missouri Pacific Rwy. Co. 5% Conv. 1st Mtg. @ 87----- | 21,775 00 | 25,000 00 |
| National Biscuit Co. 7% Pref. Stock @ 120----- | 30,000 00 | 25,000 00 |
| American Sugar Refining Co. 7% Pref. Stock @ 117.25--- | 17,553 75 | 15,000 00 |
| Diamond Match Co. 7% Stock @ 110.17½----- | 16,525 75 | 15,000 00 |
| Baltimore & Ohio R. R. Co. 4½% Gold Bonds @ 96.584-- | 28,975 25 | 30,000 00 |
| La Crosse Water Power Co. Balance subscription new bond, in reorganization of the Company ----- | 3,071 02 | 3,071 02 |
| | | 163,271 02 |
| | | <u>\$8,167,824 25</u> |

| PAID OR SOLD | SALE | BOOK VALUE |
|---|-----------|-----------------------|
| The Toledo Traction Co.----- | | \$40,000 00 |
| Plumb Grove Twp. Butler Co. . | | 1,500 00 |
| Eden Twp. Summer Co ----- | | 1,000 00 |
| Waring Twp. Ness Co. Kansas | | 1,000 00 |
| Nevada Twp. Ness Co.----- | | 1,000 00 |
| Ness Co. Kansas ----- | | 1,000 00 |
| Richmond & Petersburg Rwy. Co. sold @ 108½----- | 10,812 50 | 10,000 00 |
| Studebaker Corporation----- | | 1,500 00 |
| Fairmont, Nebraska ----- | | 1,500 00 |
| Trow Directory ----- | | 5,000 00 |
| Atchinson, Topeka & Santa Fe. | | 1,000 00 |
| Republic of Cuba----- | | 1,000 00 |
| | | 65,500 00 |
| Bonds, Notes & Stocks, May 1, 1913----- | | <u>\$8,102,324 25</u> |

MORTGAGES.

| | |
|---|-----------------------|
| Bonds & Mortgages, February 1, 1913----- | \$1,418,880 93 |
| Purchased Feb. 1, 1913 to May 1, 1913----- | 170,000 00 |
| On account of error in entry of Goldwin Smith Estate | |
| Mtg. (Strain-Dempsey) \$600 should have been \$739.52 | 139 52 |
| | <hr/> |
| | \$1,589,020 45 |
| Mortgages paid Feb. 1, 1913 to May 1, 1913----- | 254,666 85 |
| | <hr/> |
| | <u>\$1,334,353 60</u> |

BILLS RECEIVABLE.

| | |
|---|--------------|
| Bills Receivable February 1, 1913----- | \$ 80,795 29 |
| Received from Benn Conger on account of Note----- | 5,000 00 |
| | <hr/> |
| | \$ 75,795 29 |

Special Deposits May 1, 1913.

| | |
|-------------------------------|-------------|
| Columbia Trust Co.----- | \$ 1,835 98 |
| Bankers Trust Co.----- | 692 50 |
| U. S. Mortgage & Trust Co.--- | 303 70 |
| Ithaca Trust Co.----- | 1,564 74 |
| Guaranty Trust Co.----- | 695 47 |
| Metropolitan Trust Co.----- | 386 10 |
| | <hr/> |
| | \$ 5,478 49 |

Respectfully submitted,

E. L. WILLIAMS,
Treasurer.

