

## Meeting of January 7, 1913.

A special meeting of the Board of Trustees of the University of Illinois was held at the Blackstone Hotel, in the city of Chicago, at 12:30 P.M., on Tuesday, January 7, 1913, pursuant to the following notice which was sent out by the secretary on January 2, 1913:

Upon the call of the president, Mr. W. L. Abbott, there will be a special meeting of the Board of Trustees of the University of Illinois, at the Blackstone Hotel, in the city of Chicago, on Tuesday, January 7, 1913, beginning at 12:30 P.M., to consider such matters as the committees of the board and the President of the University may submit, and such other matters as may be duly presented.

When the board convened, the following members were present: Mr. Abbott, Mr. Anthony, Mrs. Bahrenburg, Mrs. Busey, Mrs. Evans, Mr. Grout, Mr. Hatch, Mr. Hoyt, Mr. Meeker. Dr. David Kinley, Dean of the Graduate School; Dr. Eugene Davenport, Dean of the College of Agriculture, and Professor Stephen A. Forbes, Director of the State Laboratory of Natural History and State Entomologist, were also present.

### MINUTES APPROVED.

The secretary presented the minutes of the meeting of December 19, 1912, which, on motion, were approved.

### REPORT OF EXECUTIVE COMMITTEE MEETING DECEMBER 21, 1912.

December 21, 1912.

*To the Board of Trustees of the University of Illinois:*

A meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held on Saturday, December 21, 1912, in the office of Mr. W. Carbys Zimmerman, State Architect, 1101 Steinway Hall, Chicago, Ill.

There were present Messrs. W. L. Abbott and Fred L. Hatch, members of the committee, Dr. Edmund J. James, President of the University, and Mr. W. Carbys Zimmerman, State Architect.

### FLORICULTURAL HOUSE AND VEGETABLE AND PLANT BREEDING HOUSE.

The bids on the Floricultural House and on the Vegetable and Plant Breeding House to be erected in connection with the new Greenhouse Plant of the Horticultural Department were opened, and were found to be as follows:

#### SCHEDULE OF BIDS—FLORICULTURAL HOUSE AND VEGETABLE AND PLANT BREEDING HOUSE.

Contractors.	"A" Both buildings in six months.	"B" Both buildings in seven months.	"C" Floricultural house only, seven months.	"D" Vegetable and plant breeding house only.	"E" Deduct from "A" or "B" if galva- nized iron is used.	"F" Deduct from "A" or "B" if shingles are sub- stituted for slate.	"G" Deduct from "A" or "B" to sub- stitute § x 34" M and V joint cypress ceiling.
A. W. Stoolman.....		\$33,210 00	\$17,962 00	\$15,848 00	\$870 00	\$1,450 00	\$230 00
English Bros.....	\$33,000 00	35,000 00	17,800 00	15,245 00	805 00	274 00	345 00
Freeman & Brooks.....	34,500 00	34,000 00	18,500 00	16,000 00	922 00	386 00	379 00
Baird & Howe.....	37,045 00	35,045 00	18,169 00	16,262 00	842 00	381 00	270 00
Chas C. Gwinn.....	38,217 00	37,717 00	20,507 00	17,209 00	584 15	185 00	345 00
N. H. Shields.....	49,865 00	49,155 00	27,147 00	22,700 00	477 00	300 00	175 00

President James called attention to the fact that in the preliminary distribution of the buildings funds of the Agricultural Department only twenty thousand dollars (\$20,000) had been set aside for these two buildings, while the low bid, that of English Brothers, calls for thirty-three thousand dollars (\$33,000). The president stated, however, that it might be possible, by restricting certain assignments already made for other purposes which might perhaps be postponed, to provide, from the building funds of the Agricultural Department, the additional sum necessary for the completion of these two buildings.

It was voted that in case the President of the University shall find it possible to re-distribute the building funds of the Agricultural College as indicated above, he should be authorized to direct the State Architect to let the contract for the two buildings to English Brothers, at the price mentioned in the bid, namely, thirty-three thousand dollars (\$33,000) for both buildings completed within six months, on the basis of the plans indicated in alternative "A" above.

#### LECTURESHIP IN PUBLIC ACCOUNTANCY AND COMPTROLLERSHIP.

President James presented the name of Mr. George E. Frazer, of Madison, Wis., for the position of lecturer on public accountancy, stating also that it is proposed to assign to Mr. Frazer the duties of the comptrollership until further notice.

It was voted to authorize the President of the University to appoint Mr. Frazer to the position named, provided the absent member of the Executive Committee, Mr. A. P. Grout, who is also the chairman of the Finance Committee, concurs.

The committee adjourned.

W. L. ABBOTT,  
FRED L. HATCH.

#### HAINES LEASE SIGNED; OPTION PRICE CONSIDERED EXCESSIVE.

The secretary presented the following report with regard to the lease and option of purchase for the Haines property. This report was received for record.

January 3, 1913.

*To the Board of Trustees of the University of Illinois:*

At a special meeting of the board held on December 19, 1912, it was voted to authorize the officers of the board to sign a lease and option of purchase for 47.67 acres lying between First Street and the Illinois Central Railroad, and known as the Haines property, provided this lease should be approved by the counsel of the board.

I beg leave to report that this lease and option has been submitted to Dean Harker, and has been pronounced by him to be in proper form, and has been signed by the officers of the board.

I beg leave to report also that at the request of Mr. Abbott, I inserted in the margin of this document the following notation:

"I am directed by the President of the Board of Trustees to note hereon the opinion of the members of the said board with reference to the price of seven hundred fifty dollars (\$750) per acre named in the option contained herein, namely, that the said price is excessive, and that in authorizing the signing of this lease they do not wish to be understood as accepting this figure as a proper price for the land in question."

C. M. McCONN, *Secretary.*

#### GROWTH AND NEEDS OF THE COLLEGE OF SCIENCE.

The secretary presented, by the request of President James, the following memorandum relating to the growth of the College of Science, with a list of the new buildings needed for that college, and the work entrusted to its charge. This memorandum was received for record.

#### GROWTH OF THE COLLEGE OF SCIENCE.

Year.	Faculty.	Students.	Units of instruction.
1905-06	47	191	14,469
1906-07	52	209	18,089
1907-08	53	289	20,563
1908-09	65	299	21,799
1909-10	76	310	21,599
1910-11	79	361	23,579
1911-12	83	420	25,676
1912-13	91	445	.....

*Summary.*

	Per cent.
I. Increase in number of University students enrolled at Urbana (1905-06 to 1912-13) .....	36.8
II. Increase in instruction given by College of Science (1905-06 to 1911-12) .....	76.7
III. Increase in undergraduate enrollment in College of Science (1905-06 to 1912-13) .....	133

## NEW BUILDINGS NEEDED FOR COLLEGE OF SCIENCE.

*(Estimates include equipment.)*

I. Completion of Natural History Building.....	\$75,000 00	
Equipment for the same.....	25,000 00	
		\$100,000 00
II. Completion of Chemistry Laboratory with equipment.....		350,000 00
III. Biological laboratories*—		
(1) Greenhouse and equipment for botany.....	\$25,000 00	
(2) Vivarium and equipment for zoölogy.....	25,000 00	
(3) Insectary and equipment for entomology...	5,000 00	
		55,000 00
IV. Building and equipment for departments related to public health		250,000 00
		\$755,000 00

## GENERAL BUDGET.

	1912-13.	1913-14.	1914-15.
I. Materials and equipment.....	\$ 36,751 00	\$ 45,000 00	\$ 45,000 00
II. Salaries .....	131,990 00	180,000 00	180,000 00

## EXTENSION WORK: REPORT OF SENATE COMMITTEE.

The secretary presented also, by request of President James, the following preliminary report of a committee of the University Senate in favor of incorporating extension work as an integral part of the activities of the University; it being understood that the specific recommendations may be somewhat altered later, and that it is probable that a request will be made for a larger sum. The report was received for record.

## Recommended:

1. That the University recognize the various forms of extension work now being undertaken as a legitimate and commendable part of its activities; and that the Senate consider the question of granting credit for such work, when successfully completed under necessary restrictions.
2. That the University make separate provision for extension work, so that such work when undertaken shall not divert from other useful channels the present resources and energies of the University.
3. That the Senate recommend the appointment, at an early date, of a director of University extension, who shall organize, systematize, and strengthen the extramural work already being undertaken; who shall establish a central office of administration with the necessary clerical force, to the end that the routine work of extension may not fall upon existing departments; who shall investigate conditions, and shall, under proper direction, establish the necessary and desirable divisions of University extension; and who, acting jointly with the heads of the different departments concerned, may recommend the appointment of such instructors, lecturers and readers as may be needed in the development of extension work.
4. Your committee also recommends that extramural activities shall be subject to the same department supervision that is now given to the intramural activities.
5. Your committee also recommends that the Senate express its conviction that for carrying on this work the Board of Trustees should include in the budget an item of not less than \$25,000 a year for the first two years.

## EXPRESSION OF SYMPATHY FOR PRESIDENT JAMES.

It was voted to ask the secretary of the board to express to President James the regret of the members of the board at his illness, and their sincere hope for his speedy and complete recovery.

\* This estimate includes no provision for land upon which to locate these buildings. The land needed, together with the necessary experimental plots, will require the equivalent of a block.

## REPORT OF THE DIRECTOR OF THE STATE LABORATORY OF NATURAL HISTORY.

Professor Stephen A. Forbes, Director of the State Laboratory of Natural History, presented the following report of the work of the State Laboratory during the past two years. This report was received for record.

January 6, 1913.

### *To the Board of Trustees, University of Illinois:*

The operations of the State Laboratory of Natural History have lately been directed to a careful, detailed study of the plant and animal life of the Illinois River, including, of course, its fishes, with special reference to the conditions produced by reclamation projects, the development of industrial operations on its banks and in its neighborhood, and the contamination of its waters by great cities now using it as an outlet for their sewage and manufacturing wastes. We have also given much attention to the economic values of the birds of the State as shown by a careful census of its different species in different situations in all parts of Illinois and in the various seasons of the year.

In our Illinois River work we have had the advantage of cooperation with the Chemical Water Survey of the State, with the Illinois State Fish Commission, and with the United States Bureau of Fisheries, the United States Bureau making to us a grant of funds towards the expenses of the work, and the Fish Commission giving us the use, for special purposes, of parts of its equipment including the steamer "Illinois" and the fish hatchery at Havana.

This river work has given us the data, obtained by many chemical analyses of waters and sediments and by systematic and long-continued collections of plants and animals from the waters, shores and bottom of the stream, from an intelligent discussion of the whole system of life on the upper part of the river under present conditions; and a preliminary report of these results is now in course of preparation. While similar work has lately been done on other rivers, particularly in Germany, there is no other which presents similar conditions to those of the Illinois, and we are certain to derive, from a study of it, some novel and important contributions to aquatic biology, and to a knowledge of, the effects of various classes of contamination upon a flowing stream.

The bird census data have all been completed, tabulated, and prepared for description and discussion, and are now in the hands of one of my assistants who will share with me the responsibility for a final report.

A considerable part of the appropriations of the laboratory goes to the care and maintenance of the large collections we have accumulated during a long course of years, and likewise to the care and improvement of our library, which has become very valuable both for our own work and for the use of the biological departments of the University. Under the new arrangement the library is now well placed and well cared for; but the collections are largely out of use, for lack of room and furniture for their systematic arrangement in an accessible place where they might be resorted to for reference and special study. Whenever the proper room and suitable cases can be provided by the University, I shall be pleased to bring together a selected series of these specimens, and to arrange them in such a way that they can be as readily referred to by students and instructors as are the books in the library. This, I am sure, will be a great help particularly to the instructional staff and advanced and graduate students, and would decidedly stimulate work on the biology of the State in several directions. Indeed, I think it would bring to the University high school and college teachers of biology, who could find there materials and facilities for a study of our local fauna, and of some parts of our aquatic botany also, which are not now open to them anywhere in the country.

I should like to do substantially the same thing with the entomological collections under my control, made partly at the expense of the State Laboratory funds, but mainly from those of the State Entomologist's office. These should be completely determined, the unclassified material should be incorporated in the collections, and the whole placed in a fireproof room equipped with steel cases and pestproof drawers, where it would be accessible to all entitled to its use and be at the same time safe against destruction. The invaluable and largely irreplaceable collections of the Natural History Survey are now all in the old part of the Natural History Building, where they are subject to destruction by fire; the fireproof part of the building being mainly assigned to offices, classrooms, laboratories and the like, some of which might well be transferred to the less safe part of the building.

I am now working on an appropriation of \$10,000 per annum, of which \$8,000 is for the expenses of the Natural History Survey, and \$2,000 is for the publication of bulletins and reports. This appropriation comes at present, as you will remember, from the State treasury, and does not pass into the possession of the Treasurer of the University. It has provided during the last two years for the maintenance and improvement of our library, for the care of our large collections and the determination of new material, for the replacement and repair of equipment, for the field and investigation work of the Illinois River Station, for the preparation of manuscript on the bird census of the State, and for salaries of supervision.

I should like, during the coming two years, to be able to prepare for publication the results of our river work to date, and to continue this work down the lower part of the stream in order that the biological system of the river may finally be treated as a unit. I should next like to undertake to bring together, to fill out, and to publish the more important product of all our survey operations in a way to present it as a finished piece of work by the centennial year, 1917. To enable me to carry the work forward on such a plan, it will be necessary to increase our present appropriations to a minimum sum of \$15,000 per annum,

instead of the present \$10,000. In making this estimate I am supposing that the University will assume the expenses involved in the safer location and permanent protection of the State Laboratory collections, since these have cost it nothing thus far and will be made as available for general university purposes of instruction and investigation as if they had been obtained for these purposes by the University itself.

Respectfully submitted,  
STEPHEN A. FORBES, *Director*.

### STOCK JUDGING PAVILION: BIDS.

At 3:00 P.M., at which hour on this date the bids on the Stock Judging Pavilion were due, these bids were received from the office of the State Architect, and were opened. They were found to be as follows:

#### SCHEDULE OF BIDS—STOCK JUDGING PAVILION.

Alternates.	English Bros.	A. W. Stoolman.	N. H. Shields.	E. L. Scheidenhelm.
A. Complete building, 7 months.	\$90,000 00	.....	\$94,900 00	\$112,409 00
B. Complete building, 8 months.	89,500 00	\$89,983 00	93,938 00	112,000 00
C. Add for subst. of terra cotta for wood cornice and plastered the partition in arcade corridor .....	2,000 00	1,905 00	1,905 00	1,827 00
D. Deduct, for subst. of sheet for plate glass for balcony transom windows .....	250 00	182 00	100 00	90 00
E. Deduct, for omission for reinforced concrete work, iron pipe rails, and steam heating and piping .....	10,000 00	11,526 00	9,535 00	18,197 00
F. Add, per cu. yd. of additional excavation .....	1 00	65	1 00	75
G. Add, per cu. ft. of additional concrete work .....	25	30	35	40
H. (Optional) Add, for subst. of cast concrete for terra cotta .....	.....	.....	.....	{ 127 00 }
I. (Optional) Deduct, for subst. of optional steel truss design .....	.....	1,875 00	1,275 00	{ 57 00 }

On motion of Mr. Meeker, it was voted to refer these bids to the Executive Committee and the State Architect, with instructions to accept alternative "B" minus "E," and with power to act. The vote was as follows: Ayes, Mr. Abbott, Mr. Anthony, Mrs. Bahrenburg, Mrs. Busey, Mrs. Evans, Mr. Grout, Mr. Hatch, Mr. Hoit, Mr. Meeker; noes, none; absent, Mr. Blair, Mr. Deneen, Mr. Moore.

At this point Mr. Anthony withdrew.

### METHOD OF PAYMENT FOR DAIRY MATERIALS.

Mr. Grout, as Chairman of the Finance Committee, presented the following letter from Mr. N. W. Hepburn, of the Department of Dairy Husbandry, with the recommendation that the method outlined therein of making payment for milk and cream used in the work in dairy manufactures be approved; this matter having been referred to the chairman of the Finance Committee for recommendation at the meeting of December 19, 1912 (p. 149):

*Dean E. Davenport, College of Agriculture, University of Illinois.*

MY DEAR DEAN DAVENPORT: The following is a brief outline of the system now used by the Dairy Department in paying farmers for milk and cream delivered to the University for making butter and cheese in connection with class and experimental work.

Payments are made twice each month through the regular channels of the business office. The method consists in issuing a voucher to each farmer, at the end of each half month, from dairy husbandry office. These vouchers, in turn, are forwarded to the business office, where checks are drawn for the amount called for on each voucher. This, and securing the signatures on checks, takes about two weeks, which means that a farmer delivering a can of cream the first of the month must wait about four weeks for payment. This delay is caused from the fact that these vouchers must pass through eight (8) offices and eleven (11) clerks before payment can be made.

This method has been satisfactory until local creameries and centralizers changed their business system and began sending personal solicitors into the more remote territories and paying for each can of cream the same day it is delivered.

With this system in use all about us, it is very difficult to keep even a part of our old patrons, and impossible to secure new ones. I believe, therefore, that if our commercial creamery is to continue we must meet this situation with some changes in our business system.

The following plan has been worked out, in advisement with the business office, and has been approved by the chief clerk and Professor Fraser.

Funds received from sales of dairy products will be deposited in a local bank; voucher checks will be drawn from the dairy husbandry office against this account to pay patrons. At the end of each month the canceled vouchers will be turned into the business office together with surplus cash equal to the amount called for by the detailed monthly report. Under this system the relations between the Dairy Husbandry Department and the business office remain practically unchanged, the dairy husbandry office still remaining responsible to the business office for its transactions; yet, by the adoption of this plan, we shall be enabled to make prompt daily payment, which seems to be necessary to preserve our present business.

The above matter is presented in order that we may ask that \* \* \* the one in charge of dairy manufactures furnish a suitable bond and be empowered to deposit the necessary receipts from that department in a local bank and draw voucher checks over his signature for the purpose of paying farmers daily for dairy products delivered to our creamery.

Very truly yours,

N. W. HEPBURN.

It was voted to approve the recommendation of the chairman of the Finance Committee that the method outlined in the foregoing letter of making payment for materials used for dairy manufactures be approved. The vote was as follows: Ayes, Mr. Abbott, Mrs. Bahrenburg, Mrs. Busey, Mrs. Evans, Mr. Grout, Mr. Hoyt, Mr. Meeker; noes, Mr. Hatch; absent, Mr. Anthony, Mr. Blair, Mr. Deneen, Mr. Moore.

#### RELATIONS WITH THE STATE BOARD OF PRISON INDUSTRIES AND THE CIVIL SERVICE COMMISSION.

Dean Davenport outlined briefly the difficulties of transacting business in the University resulting from the fact that the actions of the Board of Trustees and of the University officers appointed by the Board of Trustees are now subject to review and veto in many important matters by other boards and commissions, including the State Board of Prison Industries, the State Civil Service Commission, and the State Architect.

At this point Mr. Meeker withdrew.

#### APPOINTMENT TO PROFESSORSHIP IN ACCOUNTING AND COMPTROLLERSHIP.

Dean Kinley, acting for President James, presented a recommendation that the President of the University be authorized to appoint Mr. George E. Frazer, of Madison, Wis., to be Professor of Public Accounting, for a term of three years beginning January 13, 1913, with the further assignment of the duties of Comptroller of the University until further notice, with a salary at the rate of thirty-six hundred dollars (\$3600) per annum for the first year, and at the rate of four thousand dollars (\$4,000) per annum for each of the two succeeding years of this appointment.

On motion of Mr. Hatch, this recommendation was approved, the vote being as follows: Ayes, Mr. Abbott, Mrs. Bahrenburg, Mrs. Busey, Mrs. Evans, Mr. Grout, Mr. Hatch, Mr. Hoyt; noes, none; absent, Mr. Anthony, Mr. Blair, Mr. Deneen, Mr. Meeker, Mr. Moore.

#### PLANS FOR PROPOSED NEW LIBRARY BUILDING.

Dean Kinley presented, by request of President James, the following letters from Professor James M. White, Supervising Architect, and Mr. W. Carbys Zimmerman, State Architect, with reference to the site and plans for the proposed new Library Building. These letters were received to be printed.

#### [PROFESSOR WHITE'S LETTER.]

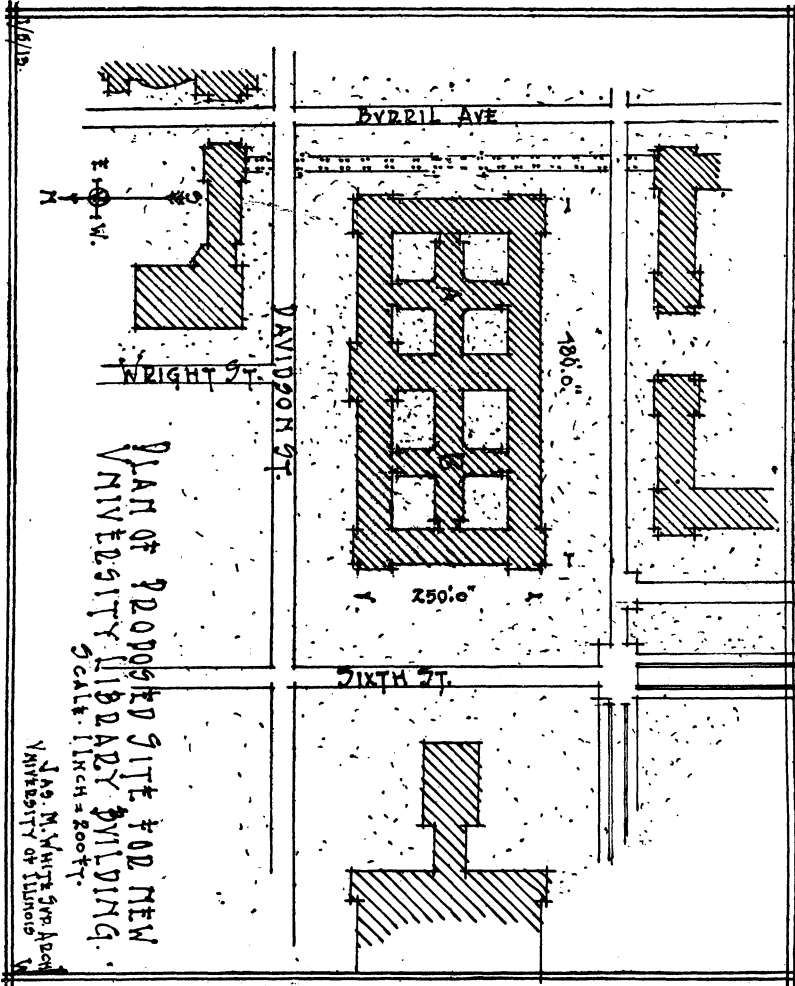
URBANA, ILL., January 6, 1913.

Mr. W. Carbys Zimmerman, Steinway Hall, Chicago, Ill.

DEAR SIR: I am enclosing a sketch showing the approximate size and shape of the proposed Library Building as we have worked it out. Am also enclosing

sketch showing the dimensions of the plot on which it is proposed to locate it. The location of the building on this plot seems to be established by the axis of Wright Street and the axis of the Armory.

We have not developed the plan to any extent on account of lack of time, but it seems to us that the axis of Wright Street should be emphasized as the important axis, and that the entrances should be located at the north and south ends of this central unit. Also, all public rooms should be kept in this unit. With the entrances at the two ends of this unit all traffic could be made to pass by a central point at the intersection of the two main axes, thus giving perfect



supervision over the building. From this central point the circulation would be east or west to stair towers at A and B at the centers of the two major courts, which in turn would act as distributing centers to the main reading and work rooms. This would keep the main corridors in the courts, and would also give small study-rooms off these corridors which would be well lighted and ventilated. By eliminating the corridors from the main working units we get plenty of light and cross ventilation into the stacks and seminar rooms.

Very truly yours,  
JAMES M. WHITE,  
Supervising Architect.

## [MR. ZIMMERMAN'S LETTER.]

January 6, 1913.

*Dr. Edmund J. James, President, University of Illinois, Urbana, Ill.*

DEAR MR. JAMES: The site suggested for the proposed new University Library Building seems to me to be a very good one and does not interfere with the general scheme of the group plan.

The building should be located so that the north front of the building centers on Wright Street, running from that point west along the north line of the present Horticultural Orchards to Sixth Street, and east along the same line projected to Burrill Avenue, and as close to the said line as the general campus plans will permit.

Sincerely yours,

W. CARBYS ZIMMERMAN.

The board adjourned.

W. L. ABBOTT, *President.*C. M. McCONN, *Secretary.*

## MEETING OF THE EXECUTIVE COMMITTEE, JANUARY 7, 1913.

A meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held at the Blackstone Hotel, in the city of Chicago, immediately following the adjournment of the special meeting of the board on January 7, 1913.

There were present: Messrs. Abbott and Grout, members of the Executive Committee; also Mrs. Bahrenburg, Mrs. Busey, Mrs. Evans, and Mr. Hoit, members of the board, and Dean Kinley.

**MEETING OF THE EXECUTIVE COMMITTEE JANUARY 7, 1913.  
AUTHORITY FOR APPOINTMENT OF ASSISTANT TO THE DIRECTOR  
OF THE ENGINEERING EXPERIMENT STATION.**

Dean Kinley, acting for President James, presented a recommendation that the President of the University be authorized to appoint Mr. Alfred Knight Chittenden, at present Forester in the United States Indian Service, Department of the Interior, Washington, D. C., to be Lecturer on Timber and Timber Resources in the College of Engineering and assistant to the Director of the Engineering Experiment Station, with a salary of twenty-seven hundred fifty dollars (\$2750) a year, beginning February 1, 1913. This recommendation was approved.

The Executive Committee adjourned.

W. L. ABBOTT,  
A. P. GROUT.C. M. McCONN, *Clerk.*