

Agricultural College, Feb 10, 1892.

The Board convened at 7.30 p.m. February 9th at the Capitol. A quorum was not present. Dr Johnson of Milford was present and gave his views on the diptheria matter.

The Board reconvened at the college at 11 a.m. Feb 10th. Prest Wells, Mr Butterfield, Mr Chamberlain and Prest Clute were present.

The minutes of the last two meetings were read and approved.

It was resolved that Prof Taft and Prof Breckenridge be requested to procure a suitable hot water heater for the Agricultural Laboratory and to have the same put in at the earliest possible time.

It was resolved that Mrs Landon, the Librarian, is hereby requested to visit Ann Arbor for a week or ten days for the purpose of studying library management at the University library, and that the college pay the expenses of such a visit.

It was resolved that the resignation of Mr C.F. Baker be accepted to take effect Jan 1, 1892.

It was resolved that Prof Taft is hereby authorized to have the walls of the rooms in the Horticultural Laboratory kalsomined.

It was resolved that the purchase of additional teams for the farm be referred to the Farm Committee with power to act.

The Board took a recess until 1.30 p.m.

Agricultural College, Feb 10, 1.30 p.

The Board reconvened with the same members present.

A communication from the Secretary of the Soldier's Home was laid on the table until the next meeting.

The committee on Employees reported that the position of Prof of Agriculture had been offered to Mr P.M. Harwood and that he had accepted it. The report was accepted and adopted.

It was resolved that Peter M. Harwood of Barre, Mass be elected professor of Agriculture at a salary of \$1800. per year and house, salary to begin Feb 1, 1892.

It was resolved that the expense bill of Dr Miles for attendance at institutes be accepted and approved.

It was resolved that the communication of Dr Miles relative pay for institute services be laid on the table until the next meeting.

The communication relative to the Dairy interests at the World's Fair was laid on the table until the next meeting.

It was moved that Mr F.B. Mumford be appointed assistant in the agricultural dept. of the Experiment Station at a salary of \$500. per year from the expiration of his present engagement. The matter was referred to the President and Professor of Agriculture with power to act.

It was resolved that Prof. Breckenridge be authorized to remove the high tight rail around the gallery in the Iron Shop and replace it with a rail of gas pipe.

It was resolved that the plans and specifications of Mr. Bowd for the Botanical Laboratory be accepted and that Mr. Bowd be employed to superintend the building of the Botanical Laboratory at a compensation of 5 % on the contract price for the plans and superintendence and the necessary transportation to and from the College be ing allowed.

Sealed bids for the building of the Botanical Laboratory were received and opened.

It was resolved that the bid of P.F. Cleveland of Flint for building the Botanical Laboratory for \$3785. be accepted and that the Secretary be authorized to make a contract with Mr. Cleveland so that he finish the building by August 15.

It was resolved that the Secretary be authorized to return the bids of the unsuccessful bidders for the building of the Laboratory and to notify Mr. Cleveland of the acceptance of his bid, and that he be here Saturday, Feb. 13, at Mr. Bowd's office and to bring schedule and bonds.

It was resolved that Mr. Bowd be paid \$150. as part payment for his services as architect.

It was resolved that there be purchased 35 double column brass lined galleys at \$1.50 apiece, and 200 box-wood quoins at 60 cts per 100 for use in the mailing list.

It was resolved that the bills of Parsons, Elderkin and Hall be laid on the table till the next meeting.

It was resolved that Joseph Mc Cracken of Pontiac be engaged as foreman of the farm for one year at a salary of \$600. per annum for house and found, salary to begin when he reports for duty and to include the compensation of Mrs. Mc Cracken as housekeeper at the farm-house.

Hatter. Ag. Lab.

Lib. Ann Arbor.

C.F. Baker Resig.

Kalium. Hort Lab.

Farm Teams.

Prof. Harwood.

" " elected.

Dr. Miles' bill.

" " "

Mumford.

Shop railing.

Bowd's Plans accepted.

Bids opened.

Job list.

Unsuccessful bids returned.

Bowd's bill.

Mailing list.

Diph. bills.

McCracken

The Board then adjourned to Monday evening, Mar. 7, at 7:30, P.M.

X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X

The Board met as per adjournment. All present except the Governor. The minutes of the meeting of Feb. 9 and 10 were read and it was resolved that the minutes as read be approved and be adopted as the action of the Board.

Pres. Dresser and Sec'y FitzSimmons of the Hillsdale Fair, presented an invitation to the college to exhibit at their fair in October.

It was resolved that the Board adopt resolutions relative to the request of Lieut. Crittenden to be relieved from duty here, requesting the War Department to accept his request and to furnish this Board with a list of names from which we can select a man to fill the vacancy that would be caused.

Also that the outline of Experiment Station work for the year made out by Prof. Taft, be accepted and adopted.

Also that Dr. Miles be paid \$200. for Institute work.

Also that the College exhibit at the Hillsdale Fair Oct. 5-7.

It was resolved that the next catalogue be illustrated and that there be 3 to 5 additional views.

Also that the bill of Mr. Busch for clothing destroyed be not paid
Also that the bills of Messrs. Parsons, Elderkin and Hall be allowed.

Also that the Sub-Stations at Baldwin, Harrison and Walton be abandoned.

Also that the suggestion of the managers of the Soldiers' Home be declined.

Also that the communication relative to the dairy exhibit at the World's Fair be referred to the Secretary of the State Agricultural Society.

It was resolved that we adjourn to Tuesday, April 5th, at 7:30 P.M. at the Capitol.

Board met pursuant to adjournment. Absent, Pres. Wells, Mr. Phelps and Gov. Winans. Pres. Clute was elected chairman pro tem.

Minutes of the meetings of Mar. 7 and 8 were read and approved.

Mr. Evans, Director of the Weather Service, was present and asked an appropriation of \$100. for the purchase of instruments.

Adjourned to meet at the college at 9 A.M.

Board reconvened with the same members present.

It was resolved that the unbound volumes and pamphlets in the Library that are of permanent value, be bound in our usual Library style, at an expense not to exceed \$300.

Resolved that the sum of \$300. is hereby appropriated for the purchase of library books for the Department of Botany, this sum to include the subscription for the first three volumes of Sargent's American Sylva, and the numbers of the Journal of the Linnean Society, to complete our set.

Also that the sum of \$200. be appropriated from current funds for the purchase of books for the Department of Zoology, the list to include the following, at the prices named:

Drury on Insects, 3 volumes with large, colored plates,	\$36.00
Herbst, 7 volumes, text, three colored plates-----	\$40.00
Lyonet on Anatomy,-----	\$10.00
Swammerdam Fine,-----	\$25.00

Also that a Dorset Horn ram lamb be purchased for the farm by the chairman of the farm committee at a cost of \$35.00.

The special committee on the labor system reported consideration and conference with the professors of Agriculture and Horticulture and requested that those professors prepare a plan for student labor to be presented to the Board at its April meeting. The report was accepted and adopted.

Resolved that the Secretary be authorized to have 1000 copies of the Economic Flora of Michigan printed and bound with good quality of paper, for special distribution, with "The Compliments of the Agricultural College" printed as a part of the title upon the cover.

Also that, for the present, such men of the force of garden laborers as Prof. Taft shall determine, be boarded with Mr. Parsons at the herdsman's cottage at the rate of \$14.00 per month for board and washing.

The recommendation of the committee on Farm Management that fields Nos. 13 and 14 be drained in accordance with the survey submitted, was accepted and adopted.

It was resolved that Prof. Taft be requested to investigate the cost of placing six lawn vases on the college grounds and report at the next meeting.

Resolved that the President's office be kalsomined and the floors covered with linoleum such as is in the Secretary's office.

Also that \$100. Experiment Station funds be appropriated for the coming twelve months for the purchases of instruments for the Weather Service.

Recess for dinner.

It was resolved that the drainage of Howard Terrace be corrected under the direction of Prof. Taft.

Also that the rooms of the engineer be kalsomined and a sink be placed in the kitchen.

Also that two desks be purchased for the English Department, one for the use of Dr. Edwards and one for Prof. Noble, to be selected by the President and Prof. Noble and purchased by the Secretary at a cost of not to exceed \$85.00 for the two. Two chairs were ordered purchased to go with the desks.

The following repairs were ordered at the Terrace: To the cisterns, drains and overflow pipes under the direction of Prof. Taft, to the cellar to prevent leakage of water into it, to the pipes supplying water to the kitchens, and to the dust boxes of the closets, under the direction of the Secretary.

It was resolved that the Secretary be directed to engage a tinner to repair the conductor pipes at Howard Terrace, Wells Hall and Dr. Kedzie's house and such other places as may need it.

Also that a type-writer and desk for the same, combined with a writing desk, be purchased for the office of the Director of the Experiment Station.

Also that an anemometer be purchased for the use of the weather observer at the college.

Also that the exterior wood work on College Hall, Williams Hall, Wells Hall and the library building be painted, with the exception of some of the porches and piazzas.

Also that the library, the museum, the zoological lecture room and the office of the Professor of Zoology be kalsomined and painted and that the roof of the museum be repaired.

Also that examination paper for all departments be furnished by the college.

Sundry repairs for the farm house, including the cutting of a door kalsomining, papering and the purchase of a carpet for the parlor, were authorized.

Sundry repairs at Dr. Kedzie's house and the papering of a room at Prof. Cook's house were ordered, those at Dr. Kedzie's to include the painting of the porch, kalsomining the hall and such other things as are of the nature of repairs rather than alterations.

Lib. Apprs.

Zool. Books

Dorset Horn Ram.

Labor Sys. Report.

"Economic Flora"

Parsons, board.

Drainage 13 & 14

Lawn vases.

Pres. Office Rep.

H. S. Apprs.

Drain. H. Terr.

Engineer's House.

Desks.

Repairs, How. Terr.

Tinning

Type-writer

Anemometer

Painting Halls

Repairs Class Rooms.

Exam. Paper

Farm H. Repairs

Dr. K's House

Student Labor

It was resolved that the report of the sub-committee on student labor be adopted. The report is as follows:-

1. All students shall be required to engage in such manual labor as can be furnished for 2 1/2 hours during 5 days of each week, except for the first six weeks of the spring term. Students not otherwise assigned by the catalogue for the first half of the spring term, must arrange for farm, garden or special labor.

2. Students may be given the opportunity of electing special work in which the individual responsibility of each is enlisted, and such students as may elect, and are in the judgment of the heads of departments capable of satisfactorily performing the work, may be assigned to special lines of experiments.

3. The work of the three upper classes, so far as the season and crops will permit, is to be such as will best serve for the education of the students in the details of farm and garden work.

4. The members of the Junior and Sophomore classes may be assigned, during the regular work hours, for laboratory work (to be performed under an instructor), such as studying the characteristics of the various animals and the economic plants, methods of caring for them, &c

5. Only such labor as is of value to the departments shall be paid for. Other labor, such as "pedigree work", library reading, studying of varieties, specimens, etc., that is purely educational in its nature, shall not be paid for.

It was resolved that the Farm Department be authorized to purchase a milk tester at a cost of \$10.; also that it expend \$25. for hand tool in addition to the amount voted Mar. 8., 75 sets for students and 50 for men; also that a Holstein bull be purchased at a cost of not more than \$150., (Mr. Glidden voting, No.)

It was resolved that the subdivision of fields 6 and 8 be referred to Prof. Harwood, Mr. Butterfield and Pres. Clute with power to act.

Also that the Professor of Agriculture be authorized to visit herds of cattle in the state at the expense of the college.

Also that Dr. Grange be authorized to procure such instruments and prepare such drawings as he deemed necessary in the preparation of his next bulletin on the external conformation of the horse, instruments to cost about \$10. and drawings and cuts about \$50.

The following report of the committee on employees was accepted and adopted:- As a portion of the staff of the Experiment Station the following persons have been selected:

Mr. G. C. Davis as consulting Zoologist,

Mr. C. F. Wheeler as consulting Botanist,

Dr. E. A. A. Grange as consulting Veterinarian,

Mrs. Linda E. Landon as Librarian.

The committee did not agree on a Chemist for the station; but recommended that the salary of Mr. Davis be fixed at the rate of \$800. a year, to commence April 1st-'92 and remain at that figure until January 1st, 1893.

It was resolved that the resignation of Mr. K. L. Butterfield as Asst. Secy. be accepted, and that the Board extend to him their thanks for his faithful and efficient service.

Resolved that Mr. W. D. Groesbeck be elected Asst. Sec'y. at a salary at the rate of \$600. per annum till Sept. 1st., next.

Resolved that the chairman of the committee on employees be authorized to take such steps as may be necessary in connection with the succession to the chair of Military Science and Tactics.

A communication from Lieut. Crittenden relative to the Military Department, was laid on the table.

The communication embodied the following recommendations for the student work in the Military Department:

1. Students to appear on the campus at all times in uniform.

2. Compulsory attendance of all undergraduates.

3. The 108 hours per year given to the work of the department should be so divided that the it would be progressive, with the least possible loss from inclement weather and other causes. For the Juniors 20 hours recitation room work by lectures, spring term. For the Sophomores, same term, 20 hours recitation in drill regulations. For the Freshmen, spring term, last half, one hour a day physical training and school of the soldier that they may be assigned to companies at the opening of the summer term.

For the summer term, 5 hours per week drill for all classes.

For the fall term, 28 hours of target instruction and gallery practice for all except the entering class; for them, the same training as set forth for the spring freshmen.

4. The detail of a man to have charge of the armory and gun room.

It was resolved that the farm department be authorized to expend \$57.40 for filing drawers, the college carpenter to make case for same.

Milk Tester
Tool

Holstein bull

Fields 6 & 8

Traveling bills

Vet'y. bulletin

Station Staff

Davis, Salary

K. L. Butterfield

W. D. Groesbeck

Military plan

Filing drawers

It was resolved that the committee on land grant be authorized to at once urge upon the Land Grant Board the necessity of the reappraisal of college lands before they shall again be placed on the market.

Resolved that the Board appropriate \$500. to be placed with \$500. already appropriated by the Michigan World's Fair Commission, for the purpose of making a complete collection of wax models of the fruits and vegetables grown in Michigan, for exhibition at the Chicago Exposition in 1893, and that Prof. Taft is hereby authorized to secure the services of Mrs. Potter to model fruits and vegetables in wax for this purpose, on the understanding that the Michigan Commission will join with in paying the expense, and that the models shall become the property of the college at the close of the exposition.

Also that Prof. Taft and Mr. Lyon are hereby authorized to make use of such trees, vines and plants from the South Haven station as will not interfere with our experiment station work there, for the Michigan fruit exhibit at Chicago, the expense of the preparation and removal to be met by the Michigan World's Fair Commission.

A communication from the faculty committee on Athletics, asking on behalf of the students the permission to erect near Dr. Beal's house a grand stand to seat 300 to 400, expense to be borne by the students, also that the Board provide a gymnasium mat at an estimated cost of \$30. and a set of parallel bars at a cost of \$50., was read and the following resolution adopted:

"The State Board of Agriculture is not in sympathy with the development of Athletics at the college to such an extent as will lead to public competitive trials between the students of this institution and other colleges, because the Board believes there are pernicious results liable to come from giving so large a measure of attention as will be required by students to prepare for these competitive trials. The Board further holds the view that the necessity of giving attention to Athletics to contribute to the good health and physical development of students in literary colleges, does not apply to our institution, hence the request of the committee of the faculty on Athletics at the college is not granted."

Recess for supper to reconvene at Lansing at 8:00 P.M.

Henry B. Reynolds Secy.
Lansing, April 6, 1892, 8, P.M.

It was resolved that an apartment building for Experiment Station assistants be built with Experiment Station funds according to the plans and specifications of Mr. Bowd.

Also that the Board reconsider the vote by which the location of the Botanical Laboratory was decided.

Resolved to amend the resolution locating the Botanical Laboratory by substituting for the site therein mentioned, the position east of the present Library building, approximately in line with the Agricultural and Horticultural Laboratories.

Also that the President and Secretary be empowered to locate the new apartment building between Prof. Harwood's and Dr. Edwards's.

Also that said building be erected under the direction of the President through the employment of a competent foreman to take charge of work.

Also that two Wells Hall floors and four passage way floors be cemented, two rear stairways be removed, two kitchen doors be provided, each with a sash, and some grading be done in front so as to carry water away from the building, instead of toward it.

Resolved that Prof. Breckenridge be authorized to sell for \$40.00, one of the lathes built in the college shops.

Resolved that Mr. Garfield be authorized to make to the chairman of the state World's Fair Commission, the statement that the college will furnish \$1500. provided the Commission will furnish \$3000. toward the expenses of a college exhibit at the World's Fair.

Also that Mr. Garfield and the President and Secretary of the college be a committee to decide upon what shall be the character and scope of the college exhibit at the World's Fair.

Adjourned to Monday, May 9th at 7:30 P.M. at the Capitol.

Agricultural College, Apr. 27, 1892.

Special Board meeting at the call of Pres. Wells. Absent; Mr. Chamberlain and Gov. Winans. Minutes of the meetings of April 5 and 6 read and approved.

It was resolved that the club stewards be excused from work for the first and last weeks of each term.

Resolved that the War Department be requested to detail 2nd Lieut. Edson A. Lewis, 18th Inf., to succeed Lieut. Crittenden at this college.

Also that the gift of certain agricultural works to the college Library by Judge A. C. Baldwin, would be highly esteemed by this Board.

It was resolved that the Prof. of Physics be authorized to expend from current funds \$150. for books. *Insert A.B.C.*

Reappraisal
of lands

Wax Models

World's Fair

Grand Stand

Bachelor's Hall

Locate Bot. Lab.

Bach. Hall

Wells Hall
Repair

Sell Lathe

World's Fair

Stewards' excused

E. A. Lewis

A. C. Baldwin

Physics - books

Assoc. of Mech. Eng.
Ex. Sta. Liby

Lawn vases
Repairs Sec. Off.
Heating Bot. Lab.
Radiators
Elderkin Bill

Anal. of well water

Water + Sewage

Elderkin bill

Farm House

Heating Bot. Lab.

Lyon lease + salary

Tower room, DTA

Purifier

Land Grant Pro.

Repairs Prof. Breck.

Prof. Vedder

Corner Stone

Shaw Garden Lib.

It was resolved that the college pay the expenses of a delegate to the next meeting of the Association of Mechanical Engineering teachers. Resolved that the sum of \$250. be appropriated to each of the following departments of the Experiment Station for the purchase of books and Library conveniences for the Station library; to be expended under the direction of the Director and heads of departments: For the Farm Department, Horticultural Dep't, Botanical Dep't, Entomological Dep't, Veterinary Dep't, and Chemical Dep't.

Resolved that the committee on Horticulture purchase six iron lawn vases, 21" wide and 35" high, at a cost of \$33.60 for the six.

Also that the changes in the Secretary's office be made under the direction of the Secretary.

Also that Prof. Taft be requested to report a plan for heating the Botanical Laboratory.

Also that four radiators, costing \$42. and one costing \$11.64, be bought for the offices of the President and the Prof. of English.

The bill of Mr. Elderkin was referred to the chairman of the committee on accounts.

Adjourned to 8:30 A.M. at the college.

Agricultural College, Apr. 28, 1892.

8:30, A.M.

Board reconvened with Messrs. Wells, Garfield, Butterfield, Phelps Clute and the Secretary present.

It was resolved that the secretary be requested to take samples of well water from different points of the water supply system and have them analyzed by some chemist at a distance from the college.

Also that Profs. Breckenridge and Vedder and Taft be a special committee under instructions, to examine the condition of the water supply and sewage system of the college and to report to the Board at its next meeting.

Resolved that the bills of Mr. Elderkin be allowed.

Also that the Farm-house be supplied with a wringer and with bedroom carpet and curtains.

Resolved that the Botanical Laboratory be heated as per plans of Prof. Taft under his direction, and that the architect be instructed to plan therefor at once.

Also that the Lyon lease be made to provide for the payment to Mr. Lyon for 1891 of a salary of \$400. in full, and for 1892 and thereafter \$500. per annum.

The request of the Delta Tau Delta fraternity for permission to fit up the tower room was granted, on condition that no interference with access to the tank and roof be made.

It was resolved to reconsider the resolution appropriating \$1000. for a purifier to be placed over the boilers.

Also that said resolution be amended by making the amount \$450. As amended, the resolution was then adopted.

Resolution as to the land grant adopted *March 8*

WHEREAS, at the regular December meeting of the Board of Agriculture, a resolution was adopted requesting the Agricultural Land Grant Board to retain the college lands from the market for another year, and at that meeting there was present the Governor, Auditor General, and Commissioner of the Land Office, all of them members of the Agricultural Land Grant Board, and each of these gentlemen expressed his cordial sympathy with the request and each of them assured the Board of Agriculture that there would be no difficulty in having the request granted and

WHEREAS, at a recent meeting of the Land Grant Board, without further consultation with the Board of Agriculture, these lands were again placed on the market under the regular provisions of the law, therefore,

RESOLVED, by the Michigan State Board of Agriculture, that we emphatically protest against the action of the Agricultural Land Grant Board, in replacing the college lands in the market without first consulting the management of the college as to the effect of such action upon the endowment fund of the college.

Resolved that the cistern at Prof. Breckenridge's house be repaired, the front door half glazed, the question of drainage for the house specially referred to the committee on water and sewage, as appointed above, and that two rooms be papered and painted.

Also that certain kalsomining, papering and painting of rooms at Prof. Vedder's house be authorized as requested.

It was resolved that a corner stone be provided at an expense of not to exceed \$30. had laid with appropriate ceremonies at the Botanical Laboratory, under the direction of the President and Dr. Beal.

It was resolved that Mr. Garfield, Dr. Beal and Prof. Taft be authorized to attend as delegates, representing this college, at the Shaw Garden celebration in St. Louis, during the May vacation.

Resolved that a committee be appointed to take all necessary steps to secure the cooperation of other institutions concerned, and to represent to Congress and the War Department the desirability of a national appropriation for payment of transportation, ten days rations, tent and other camp equipment for a ten day's encampment at the World's Fair of the cadets from all the military detail colleges in the country, and that this committee have authority to take such journeys and have such printing done in prosecution of the objects specified, as in their judgment shall be necessary. Mr. Garfield and the secretary appointed.

It was resolved that Prof. Taft be requested to use the coal ashes so far as practicable, as an absorbent in the privies around the ground.

Also that P.G. Holdens' salary be at the rate of \$1000. per year, from and after the opening of the next college year, and that his title from now on be Assistant Agriculturalist.

Also that the matter of shingling the horse barn, be left with the farm committee with power to act.

Also that the secretary have the metal roofs of College Hall and Williams Hall painted.

Adjourned to Wednesday, June 8, 1892 at 7:30 P.M.

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Agricultural College, Mich.,

May 26, 1892, 2:00 P.M.

Special meeting of the committee of conference on the subject of college lands: Present, Messrs. Chamberlain, Garfield, Butterfield, Phelps, Pres. Clute and the secretary. Mr. Chamberlain was elected chairman pro tem.

It was resolved that the President be authorized to secure insurance on the arms and equipments belonging to the United States and held by the college.

Also that the President be authorized to engage temporary assistance to command the drill corps pending the arrival of the new detail.

Also that the students be permitted to provide temporary seating arrangements for the accommodation of their guests at Field Day.

Resolved that Prof. Harwood and a member of the farm committee be authorized to attend the Culbertson sale of Hereford cattle at Chicago.

Also, that if no member demurred, the next meeting of the Board be June 15th instead of June 8th.

Evening session:

The committee had an audience with the Land Grant Board and presented reasons for reappraisal before throwing back upon the market of the College Land Grant Lands. Of the Land Grant Board, Governor Winans Land Commissioner Schaffer, Sec'y of State Blacker and Atty. Gen'l Ellis were present.

After the conference, the committee adjourned, Lansing, June 15, 1892.

Regular Board meeting, deferred by general consent from June 8th. Absent, Gov. Winans and Mr. Phelps. Minutes of the meetings of Apr. 27 and 28 were read and approved.

Minutes of the special committee meeting of May 26 were read and adopted as the action of the Board.

Adjourned to the college at 8:30 A.M.

Agricultural College, June 16, '92
9:40 A.M.

Board reconvened with the same members present.

The resolution of Pres. Clute recommending a preparatory class, was defeated.

It was resolved as the sense of the Board, "That it is desirable to so modify the plan of giving instruction at the college, as to place in the hands of the students copies of the lectures now delivered in the class rooms, these to take the place of text-books, and to be substituted for the usual notes taken by the students of the lectures delivered by the professor in charge. To this end, we hereby authorize Pres. Clute to employ a type-writer at his discretion whose duty it shall be to prepare and furnish copies of the professors' lectures for students' use; and that the President be requested to report back to this Board from time to time the success of the plan, with such recommendations as he shall see fit."

It was resolved that the expenditure of \$465. for a boiler and engine for the Physical Department be authorized.

Also that under the direction of the Prof. of Physics, and the Sec'y., the Armory and Chapel be lighted by electricity.

The question of advertising was referred to Messrs. Butterfield, Glidden and Garfield.

World's Fair
Encampment.

Coal Ashes, etc.

Holden Salary.

Shingling barns.

Paint metal Roofs.

College lands

Ins. Endurance.

Temp. Milit. Instr.

Temp. Grand Stand

Culbertson Sale.

Land Grant Conf.

Prep. Class.

Type written Lectures

Phys. Dept. Eng.

Lighting Armory.

Advertising

Dr. Shank's bills

Leonard Corn
Harvester.

Appraisal of Lands

Plat of Farm.

Geo. Krentel.

Prof. Taft.

Labels

Sewer pipe

Furman Heater.

Uniforms

Room Inspr.

Boty Barnum.

Cold water fair

Advertising

Bookcase, Pres. Off.

Road work.

Entomol. Spec.

Zool. Case.

Birds' Eggs.

Painting Farm H.

Honey anal.

Dr. K. Book case.

Agrol Chemists.

Lumber shed.

Electroliers.

Philomatheans

Chemil Expts.

The committee on Finance recommended that the college pay no part of the bills of Dr. Shank for services in attending students this spring. The report was accepted and adopted.

It was resolved that a Leonard Corn Harvester and platform for wagon, price \$60., be ordered on trial, to be paid for only if satisfactory.

Resolved that the Commissioner of the State Land Office be requested to advance the price of all college lands located in the counties of Antrim, Benzie, Charlevoix, Cheboygan, Grand Traverse, Kalkaska, Manistee, Montmorency, Otsego and Wexford, 50 % above the present appraised value.

Also that previous to the next meeting the Sec'y have prepared a plat of the farm to be hung up in the Board office.

Recess for dinner.

1:00 P.M

Board reconvened with the same members present.

The committee on employees reported, recommending that the wages of Mr. Geo. Krentel be raised to \$2.25 per day. The recommendation was not approved.

The request of Prof. Taft for \$100. Library money was laid over. His request for a glass in his kitchen door was granted.

It was resolved that the matter of labels be referred back to Prof. Taft, with the request for a report on the whole subject at the next meeting.

It was resolved that the Sec'y, in consultation with Prof. Vedder, be authorized to buy a carload of sewer pipe.

Also that Prof. Taft be authorized to procure a Furman Hot Water Heater for the Library building.

Also, that when we adjourn, it be to Wednesday, July, 13, 7:30, P.M

Resolved that the students be required to provide themselves with uniforms for military duty.

Resolved that the Commandant of Cadets be instructed to conduct regular and thorough inspection of all rooms occupied by students.

Resolved that all the basement floors of the Botanical Laboratory be made of cement.

Resolved that the invitation to exhibit at the Coldwater fair be respectfully declined.

Also that the President be authorized to expend \$100. in advertising the college for the opening of the college year and for the next spring term..

Also that a book and pamphlet case be constructed across the east side of the President's outer office.

Resolved that the college teams do three days work each in hauling gravel onto the roads early in October next, under the direction of the pathmaster.

Resolved that the entomological collections be increased by the purchase of 250 species not now in the collection, at 10¢ each, from H. F. Wickham, Iowa City, Iowa; to be paid from Department funds.

Also that a case costing \$75. be authorized for the Zoological Laboratory, to be paid for with department funds.

Also that the same department be authorized to purchase \$25. worth of bird's eggs with department funds.

Resolved that the outside woodwork of the Farm House be painted.

Resolved that Prof. Cook have authority to send samples of honey to Washington and to Kentucky for analysis, provided the only expense be the express charges; and that Dr. Kedzie be instructed to analyze a similar set of samples.

Resolved that a book case be purchased from ex-president Willets for Dr. Kedzie's office, at a cost of \$30.

Also that Dr. Kedzie be delegated to attend the annual meeting of official Agricultural Chemists.

Also that the Mechanical Department be authorized to erect a shed for the storage of lumber.

Also that electroliers be provided for the Library room and the hall leading to it.

The request of the Philomatheans for a room was laid on the table till the next meeting.

The committee on Experiment Station recommended certain work proposed by the Chemical Dep't of the station, as follows:-

I. Investigation of the influence of copper sulphate as used in ordinary Bordeaux mixture, in removing potash from the soil and thus reducing the fertility.

II. Does copper sulphate diminish soil fertility and injure the plant when used in ordinary Bordeaux mixture?

III. Examination of a number of fruits that have been treated with insecticides and fungicides to determine whether such ripened fruits contain copper or arsenic in injurious quantities, both when treated with the dose used at the college and with larger doses, recommended

and used elsewhere. The following fruits to be treated and furnished by the Horticultural Dep't and analyzed by the Chemical Dep't:-

- (a) Currants,--(insecticides).
- (b) Gooseberries, " and fungicides.
- (c) Cherries and Plums,--(insecticides).
- (d) Raspberries,-- (fungicides).
- (e) Strawberries,-- "
- (f) Tomatoes,-- "
- (g) Grapes,-- "
- (h) Apples and Pears, insecticides and fungicides.

CHEMISTRY AND AGRICULTURE.

I. Composition of wheat grain as it varies from day to day from the time of the earliest formation of the berry till dead-ripeness, the specimens to be gathered daily and at the same hour of the day, also the composition and feeding value of the straw at the same successive periods.

II. The composition of milk as influenced by the food of the cow: the nature and amount of material given off by the milk in the process of airing, and the effect of aerating milk.

It was resolved that the college exhibit live stock at the State Fair under the direction of the Farm Committee and the head of the Department.

Resolved that the bull pen be renewed.

Also that a set of physical maps costing \$50. be provided for the Farm Department.

Also that a range costing not over \$50. be provided for the Farm-house.

Also that the question of a refrigerator and a couch for the Farm-house be referred to the Sec'y and Prof. Harwood.

Also that the question of a gate in the dam be referred to Messrs. Butterfield, Harwood and Vedder, to be reported upon in July.

Also that the question of wool samples be referred to the Farm Department for further information.

Also that the matter of frames for the cuts of live stock be laid on the table.

Adjourned to July 13, 1892.

Lansing, Mich., Aug. 8, '92
7:30, P.M.

Adjourned meeting of July 13; Absent, Gov. Winans, Mr. Garfield, and the Sec'y.

Minutes of the meetings of June 15 and 16 were read and approved. Adjourned to the college at 8:30 A.M., Aug. 9

College, Aug. 9, 1892.

9:00 A.M.

Board reconvened with the same members present. Recess taken till 11:00 o'clock.

Reconvened with the same members present.

It was resolved that the Farm Department be authorized to purchase a Superior drill for \$80.

Resolved that the question of drainage be put over till the next meeting.

Also that the question of wools be laid on the table till the matter of World's Fair exhibit is taken up.

Report of Mr. Phelps as special committee to cattle sale at Chicago was accepted and the purchase of a heifer approved.

Resolved that Prof. Harwood be given authority to purchase cows of different breeds, as needed, with the advice and consent of the Farm Committee.

Resolved that 800 labels be authorized for the Horticultural Dep't Recess for dinner.

2:30 P.M.

Reconvened with the same members present.

Resolved that the recommendation of the committee with regard to change in grass plat be adopted, i.e., from the "Delta" to near river.

Also that the drainage of No. 11 be completed.

Also that \$150. for stage microscopes be allowed the Botanical Department.

Also that repairs to Greenhouse be made from fund for rebuilding greenhouse, if enough funds are left when the work on the greenhouse is done.

Stock at Fair

Phys. Maps.

Range

Farm House Refrig.

Dam gate

Wool Samples.

Stock Pictures

Drill for farm.

Drainage.

Wools

Cattle Sale.

Cows.

Wool Labels.

Grass Plat.

No. 11

Microscopes

Gr. H. Rep.

Resolved that the two parlors, Nos. 1 and 2 in Suite F. of Howard Terrace be assigned to the use of Mr. VanDervoort.

Also that Nos. 3, 4 and 5 be assigned to the use of Mr. Coryell and that a door be cut between 4 and 5 and a sink be put in when agreed upon by the President and Mr. Coryell.

Resolved that Suite G be assigned to the use of Prof. Mc Nair.

Also that Nos. 3, 4 and 5 of Suite E be assigned to the use of Mr. P. G. Holden.

Resolved that a sink be allowed at Prof. Harwoods.

Also that the Phi Delta Theta fraternity be allowed to put a fireplace in their rooms.

Also that six table and twelve chairs be allowed the Zoological Department.

Also that an insect case be allowed the same department.

Resolved that a type-writer be allowed the Secretary's office.

Also that a roller letter copier be allowed the Director's office.

Also that 150 copies of Robinson's responsive readings be procured.

Also that a slate black-board be allowed the Physical Department.

The following apparatus was also allowed the same department:-

2 Glass tanks, exp'ts in Light,	at \$3.50	\$7.00
3 Mirrors, " " "	at \$2.00	\$6.00
5 Mechanical slides, " "	at \$5.00	\$25.00
4 Hand telephones - electric,	at \$3.50	\$14.00
10 Special Incandescent lamps,	at .50	\$5.00
1 Galvanized iron tank for compressed air,		\$10.00

Resolved that Prof. Breckenridge be authorized to have plans made for a coal room, at no expense to the college.

The question of repairs in the Mechanical Department was laid over till the December meeting.

Resolved that the question of a successor to Prof. Corbin be left with the committee on employees, with power to act.

Mr. Gulley's request for increase of salary was not granted.

Mr. Gladden's salary was raised to \$600. from Sept. 1st.

Mr. Coryell's salary was raised to \$500. from Sept. 1st.

Mr. Goodenough's salary was raised to \$750. from Sept. 1st.

Mr. O'Bryan's salary was raised to \$28. per month from June 1st.

Resolved that the hogs be disposed of.

Also that Prof. Breckenridge be authorized to employ Paul Theodore at \$2.25 per day and four students at \$1.25 per day, to work during the vacation.

Resolved that a Shannon filing case be allowed the Military Dep't, and that the purchase of the same be left to the President and Lieut. Lewis.

Resolved that bill of \$14. of Dr. Shank be paid.

Resolved that V.H. Lowe be employed as an assistant to Prof. Cook for the fall term, 1892, on half time, at \$75. for the full term.

The resignation of Prof. Corbin was accepted.

The report of Prof. Corbin on college extension was received and placed on file.

Resolved that one term of Civil Engineering be added to the course for Senior elective studies.

Also that one term of Inductive Logic and one term of English Masterpieces be placed in the course for one year.

Resolved that the report of the Board for 1892 - 3 be a special "Columbian" report, to contain articles by competent men on the various agricultural and horticultural resources of Michigan and on the cultivation of the main crops, with full reports of the condition, equipment and work of the various departments of the college and the Experiment Station.

Also that the chairmen of the Farm Committee, the Garden Committee the Committee on the Mechanical Department, and the President of the college, be a special committee to aid the Secretary in preparing said "Columbian" report.

Resolved that all matters in regard to the college exhibit at the World's Fair, be referred to the World's Fair committee, - Pres. Wells, Mr. Chamberlain and Pres. Clute.

Resolved that Mr. Larrabee be continued till Oct. 1st. at his former salary.

Resolved that when we adjourn, it be to the Capitol, Tuesday, Sep. 13, at 7:30 P.M.

On recommendation of the faculty, the degree of Bachelor of Science was conferred upon the following:

Howard B. Baker,

VanD. Rooms

Coryell, ..

McNair ..

Holden, ..

Harwood, sink

Phi Delta Theta

Joel. Tables.

Cass.

Typewriter

Roller copiers.

Blk. bds.

Phys. Appr

Coal Room.

Salaries

Hogs

Thurston

Military, filing case.

Shank's bill

Lowe, Asst.

Corbin's Resig.

Sen. Electives.

" "

"Columbian" Report

Aid Comm. on

Report.

World's Fair Com.

Larrabee.

B. S.

Howard B. Baker,
Albert N. Bateman,
Frank Baerle,
Louis C. Brooks,
Leander Burnett,
Charles M. Conner,
George W. Davis,
George E. Ewing,
Edwin J. Freeman,

Horace B. Fuller,
Albert H. Gillett
Walter D. Groesbeck,
Clarence A. Hathaway,
George A. Hawley,
William P. Hawley,
Gilbert H. Hicks,
John E. Hinkson,
Mabel E. Linkletter

Thomas S. Major,
William E. Palmer,
Harvey N. Peck,
Bert W. Peet,
Dor N. Stowell,
David W. Trine,
Harry A. White,
Charles R. Winegar.

The degree of Master of Science was conferred upon the following:

J.C. Duffey,
J.H. Smith,
W.M. Munson,
A.F. Gordon.

Adjourned to Tuesday, Sept. 13, 1892, at 7:30 P.M.

Lansing, Mich., Sept. 13, 1892.
7:30, P.M.

Board met pursuant to adjournment; absent, Gov. Winans, Mr. Garfield and the Secretary. Minutes of the meetings of Aug. 8 and 9 were read and approved.

Pres. Wells was excused and Mr. Chamberlain took the chair.

Resolved that the sum of \$200. is hereby appropriated for the purchase of books for the agricultural department of the Library, and \$100 for books for the horticultural department of the Library.

Resolved that Pres. Wells, Mr. Butterfield, Mr. Chamberlain, and Pres. Clute are hereby appointed a special committee to consider the practicability of having at the college a winter course of instruction specially adapted to those agriculturists who, from any cause, are unable to enter the regular classes.

The committee on employees reported having engaged Mr. Mc Bride to succeed Prof. Corbin at a salary of \$900. without residence. Report accepted and adopted.

Resolved that the drainage of that portion of field No. 12 which can be conducted through the present system, be completed, the work to be done by student labor.

Resolved that a wheel scraper be authorized for the Farm Department.

Recess taken until the call of Pres. Wells.

Lansing, Sept. 14, '92. 7:30 P.M.

Reconvened; absent, Mr. Garfield, Mr. Butterfield, Gov. Winans, and the secretary.

The sum of \$22. for repairs of instruments, and of \$122.50 for new instruments and new music was authorized for the Military Department.

Resolved that sixteen institutes be held during the coming winter, four of which shall be long ones; the short institutes not to exceed five sessions, and the long ones not to exceed ten sessions each.

Resolved that Mr. Van Dervoort be authorized to have an Aldine Grate put in the room he is to occupy, at his own expense.

Resolved that Pres. Clute and Mr. Estabrook are hereby authorized to have the front and rear offices of the Secretary properly repaired, including painting, papering and kalsomining of both rooms, and putting linoleum on the rear room.

Resolved that Pres. Clute be authorized to have the rooms to be occupied by Messrs. Mc Nair, Van Dervoort and Coryell, kalsomined and painted.

Resolved that when Mr. Gladden removes to the Sub-faculty building the room now occupied by him in the Horticultural Laboratory be assigned

ed to the Professor of History and Political Economy as an office.

Resolved that Mr. G.C. Davis be granted leave of absence during the winter for purposes of study.

Resolved that a small sink with water connections be put into Mrs. Landon's room.

Resolved that a mill for grinding straw for chemical analysis be bought for the Experiment Station, at an expense of \$50.

On motion, adjourned to Oct. 5th, (Wednesday), at 7:30 P.M.

M. S.

Books for Lib.

Printer School.

Mc Bride

Drain. No. 12.

Wheel Scraper.

Band Insts.

Institutes

Aldine Grate.

Secy Office.

Repairs rooms at
Hort. Lab.

Hist. Office.

Davis, lo. of Abs.

Mrs. Landon Sink

Straw Mill.

Lansing, Oct. 5, 1892, 7:30, P.M.

Board met pursuant to adjournment; absent, Pres. Wells, Mr. Glidden, Gov. Winans, Mr. Garfield and the Secretary. On motion, Mr. Chamberlain took the chair.

Minutes of the meetings of Sept. 13 and 14 were read and approved.

It was resolved that the Horticultural Department be authorized to build several small bins for fertilizers, in the tool room of the stable at the Hort. Dept. barn, to provide bins and racks for storing of crates of potatoes in the cellar of the Laboratory, to relay the drains through the low land east of the Farmhouse, with 3" tile and to secure one dozen hot-bed sash for use at the Greenhouse.

Resolved that the weather signals be displayed from a staff to be erected near the Agricultural Laboratory, or on some building in its vicinity, under the direction of the President and Prof. Harwood.

Bill of Prof. Taft for attending the meeting of the American Horticultural Society at Chicago, was allowed.

It was resolved that the committee on Experiment Station be requested to confer with Dr. Beal regarding a room in the new Botanical Building for the office of the Botanist of the Station, and to assign for such use the room that may be agreed upon.

Resolved that a picture of the new Botanical Building, similar to those of other buildings now on hand, be procured for the next catalog, and when received, its use be granted for insertion in one issue of the Speculum.

Resolved that 50 insect cases, similar to ones now used, be procured for the entomological exhibit at the Columbian Exposition, same to be paid for from the "World's Fair Fund".

The resolution to appropriate \$300. each to the Mechanical, Mathematical and Physical Departments for the purchase of books for the general library, was laid on the table till the next meeting.

Resolved that \$25. be appropriated to mount drawings from the Zoological Department, for the Columbian Exposition.

Resolved that \$15. be appropriated for the purchase of insects from H.F. Wickham.

Resolved that the "World's Fair Directors" be earnestly requested to provide more space for the exhibits of educational institutions, so that sufficient room may be afforded for a liberal display from the Agricultural College, and that the President ask for 4000 feet of space.

Resolved that Prof. Breckenridge, Prof. Vedder, and Mr. Hicks be granted leave of absence from the college during the winter vacation.

Also that Dr. Beal be excused from class and institute work during the winter vacation.

Action regarding the purchase of furniture, etc., for the Botanical Department, was postponed till the next meeting.

Resolved that Pres. Wells, Pres. Clute and Mr. Chamberlain constitute a committee to consider the question of encouraging outside parties to undertake the building of houses near the college, for the accommodation of employees and students, with the idea of eventually doing away with the dormitory system.

Resolved that the President and Prof. Harwood look up the necessity of a stove at the Farmhouse, and provide the same if necessary.

Resolved that a new harness for the Farm Department be purchased under the direction of the Farm Committee.

Resolved that an assistant be engaged in the Machine Shop at a salary not to exceed \$500. for the remainder of this year, \$600. for the next year, and \$750. thereafter.

Resolved that a clerk be engaged for the Mechanical Department, at a salary of \$35. per month.

Resolved that \$150. be allowed Mr. Curtiss, per year, in lieu of rooms now furnished.

Resolved that Pres. Wells, Mr. Chamberlain and Pres. Clute be delegates to the meeting of Agricultural Colleges and Experiment Stations, at New Orleans in November.

Resolved that the Librarian be expected to give to the Library her entire time, with the exception of four weeks of vacation during the year, and that her salary be fixed at \$625. per year, beginning with Sept. 1st.

Resolved that Pres. Clute be authorized to secure for six months, a competent expert to classify and arrange the Library, and to carry forward the work of cataloging, as far as possible.

Resolved that the system of purchasing supplies and auditing bills for the college be referred to a committee of three, with Pres. Wells as chairman, this committee to report to the Board a method or system for transacting college business; and that pending such report, all the bills for the several departments shall be made and approved by the heads of the departments. Pres. Wells, Mr. Butterfield and Mr. Phelps were appointed as the committee.

Hort. Repairs, etc.

Weather Signals

Am. Hort. Socy

Office of Botanist

Bot. Bldg Picture

Insect Cases

Mounts

Insects

Space at Fair

Leaves of Abs.

Boil Furniture

Buildings near Grounds

Stove at Farm H.

Harness

Mach. Shop Asst.

Mach. Off. Clerk

Curtiss Salary

H.C. meeting

Librarian & Sal'y

Cataloging Lib'y

Purchaser & Asst.

Resolved that Mr. Chamberlain, Pres. Clute and Mr. Estabrook be appointed to examine the new buildings at the college and allow such repairs as may, in their judgment, be made, pending the acceptance of the buildings by the Board.

Adjourned to meet Monday, December 12th, at 7:30 P.M.

Lansing, Mich, Dec. 13, 1892.

Board met pursuant to adjournment; all present but the Governor. Pres. Wells announced the death of Dr. Abbot.

It was resolved that Pres. Wells and Mr. Garfield be a committee to draft suitable resolutions, expressing the sentiment of the Board upon this event.

The minutes of the meeting of Oct. 3 were read and approved.

It was resolved that the action of that meeting (at which there was no quorum) be adopted as the action of the Board.

It was resolved that the Botanical Laboratory be accepted, and the settlement made by the architect and secretary, with the contractor, Mr. P.F. Cleveland, be approved.

Adjourned to 9 A.M. at the college.

Agricultural College, 9 A.M. Dec. 14, 1892.

Board reconvened; same members present.

It was resolved that, in view of the shortness of time, the added expenses and the large amount of work involved, which would unavoidably interfere with his college work, it is not expedient that Dr. Grange accept the position tendered him on the Experiment Station Department of the World's Fair.

It was resolved that the Secretary be instructed to immediately make requisition on the World's Fair Commission for the amounts agreed upon for an exhibition at the World's Fair; viz. \$500. for wax models and \$3000. for general exhibit.

Pres. Wells read two letters from L.D. Watkins relative to injury to bicycle from fumigation. It was resolved that Pres. Wells be instructed to notify Mr. Watkins that the bill has been considered by the Board of Agriculture and the same disallowed, and that the Board considered that it would be improper for them to pay any bill presented in connection with implied threats.

It was resolved that not to exceed \$40. be spent from Garden Special Appropriation for trays for plant growing.

Resolved that Prof. Taft be authorized to open, at his discretion, a drive way for the convenience of college people, in the vicinity of the arboretum, to close the gate north of Howard Terrace and place a gate with suitable fastenings at the east entrance, with a notice at the west gate, forbidding conveyances the use of our drives in crossing the college grounds, without business upon the grounds; to the end that the college driveways shall be used solely for the purposes intended in making them.

The committee on employees reported on several requests for advance in salary, recommending that they be not granted. The report was accepted and adopted.

Resolved that Prof. Woodworth be authorized to procure for use at Farmers' Institutes, the following: One lantern microscope, \$25., one vertical attachment, \$50., slides, screens, etc. \$25. Total, \$100.

The committee on Experiment Station reported unfavorably on a request for furnishing the office of the Agriculturalist. Report accepted and adopted.

The request of the Veterinary Department for apparatus was laid on the table.

Resolved that the President of the college be, and is hereby requested to instruct the heads of all departments to at once reduce the expenses to a minimum and to cut off all extra labor, and in arranging plans for conducting their departments to have in view the fact that the funds of the college are so reduced as to demand retrenchment in all divisions of college work.

It was resolved that a committee consisting of Mr. Garfield and Secretary Reynolds be appointed to draft a bill to present to the Legislature, embodying the views of the Board on Farmers' Institutes.

Pay on blolgs.

Dr. Wells' death.

Resolutions

Bot. Lab. accepted.

Dr. Grange, H. F. C.

Requisition on H. F. C.

L. D. Watkins

Plant trays

Road + college gates

Salaries

Lantern etc

Just

Office of Agr. list

Vet. Dept

Retrenchment

Bill on Farmers' Inst.

Bill to transfer
College Lands

Ex. Stew. Horse

Farm work

Dairy building
Appropriations

Hold's Fair

Just. lectures

93 Commencement

93 Fall term

Hymn book

Sesser negatives
" pictures

Lecture views

It was resolved that the Land Grant committee be authorized to investigate the management of the college lands and requested to draft a bill to transfer the powers and duties of the Land Grant Board to the State Board of Agriculture.

It was resolved that the Experiment Station horse be bought by the college Farm Department, the value to be fixed by the committees on Farm Department and Experiment Station.

It was resolved that the committees on Farm Department and Experiment Station determine the price at which Experiment Station team work shall be charged for by the Farm Department.

Adjourned to 9 A.M. at the Capitol.

Lansing, Mich, Dec. 15, 1892.

Board reconvened with the same members present.

It was resolved that, in the judgment of the Board, it is not expedient to ask the Legislature for a dairy building.

Also that \$275. be put in the estimates for a team and harness for the Farm Department.

Also that \$200. be asked for fencing for the Farm Department.

Also that \$500. be asked for drainage for two years.

Also that \$500. be asked for Mechanical Department equipment.

Also that \$4000. be asked for walks and graveled roads.

Also that \$250. be asked for a team for the Garden Department.

Also that \$12,000. be asked for repairs on buildings, steam and water works.

Also that \$1000. be asked for furnishing and equipping the Botanical Laboratory.

Also that \$225. be asked for cases for the general museum.

Also that \$2000. be asked for the Library.

It was resolved that a special bill be presented to the Legislature, asking them to appropriate for Farmers' Institutes \$1000. for the winter of 1892-3, \$3000. for the winter of 1893-4 and \$3000. for the winter of 1894-5.

It was resolved that \$1500. be asked for a Foundry and for enlarging the Blacksmith shop.

Also the \$300. be asked for additional sheds.

Also that \$500. be asked for fitting up rooms and closet in the Agricultural Laboratory for the use of the State Board of Agriculture.

Also that \$1000. be asked for a gallery on the north side of the Library.

Also that \$500. be asked for an addition to the dwelling of the Professor of Horticulture.

Also that \$2500. be asked for building and furnishing a Hospital.

Also that \$1000. be asked for a sewer system on the college grounds.

Also that \$300. be asked for an outhouse at Wells Hall.

Also that \$8000. be asked for student labor.

It was resolved that the participation of the different departments of the college and Experiment Station in the Educational, Experiment Station, Agricultural and Horticultural and Cooperative exhibits at the Columbian Exposition be referred to the committee on Columbian Exposition, with power to act.

Resolved that all applications for lectures at Farmers' Institutes during the present season, be referred to the President of the college with power to act, and that he send only where the expenses are paid by the localities concerned.

Resolved that the next Commencement be held on Wednesday, August 9 and that the times for examinations at the end of the next summer term be referred to the Faculty, with power to act.

Resolved the the fall term, 1893, begin on Wednesday, Aug. 30, at 8 o'clock, P.M. when

Resolved that the Faculty shall determine upon a hymn book for use in the college chapel, the Secretary be authorized to procure the same.

Resolved that Prof. Holdsworth be given charge of the negatives of the college scenes and life recently taken by Mr. Sesser and of any others of a similar kind that may be owned by the college in the future.

Also that Prof. Holdsworth be authorized to sell photographs taken from the college negatives at 25% above the cost of printing and mounting.

Resolved that all stereopticon views owned by the college now, or that may be received in the future, be deposited with the Professor of Physics for safe keeping and that the same be loaned by him to any heads of departments for use.

*Reading circle
convened.*

Resolved that Pres. Clute, Prof. Taft and Prof. Harwood are hereby appointed a committee to assist a committee of the State Grange in preparing a course of readings for individuals and circles, in Agriculture, Horticulture, Veterinary Home-making and the sciences and literature allied therewith, provided there is no cost to the college except for postage and printing.

Fac. row wood lot.

Moved that Prof. Taft is hereby authorized to repair the fence around the wood lot north of Faculty Row so that horses may be turned into the lot. Laid on the table.

Paper on Dr. Abbot.

Resolved that Pres. Clute is hereby requested to prepare a paper on the Life and Services of Dr. Abbot for publication in the next report.

Resolved that a photogravure of Ex-President Abbot be procured for insertion in the next report.

Picture Dr. A.

It was resolved that when we adjourn, it be to Tuesday, Jan. 3, '93 at 7:30 P.M.

Mailbox list.

It was resolved that the secretary place the printing of the bulletin mailing list at his discretion.

Adjourned.

EXPERIMENT STATION.

Agricultural College, March 6, 1891.

Special meeting at the call of the Director of the Station. Present Clute, Davenport, Taft, Cook, Beal, Kedzie, and the Secretary. Reading of minutes dispensed with.

The question of an exhibit at the World's Fair in connection with the U.S. Experiment Stations or the U.S. Dep't. of Agriculture, was discussed.

It was resolved as the sense of the Council that the Experiment Station assistants shall be expected to do 8 hours work per day for 6 days in the week.

It was resolved that when we adjourn it be to 4 P.M. Tuesday March 17.

The Council then adjourned.

EXPERIMENT STATION,

Agricultural College,
March 17, 1891.

Special meeting as per adjournment. All present. Reading of minutes omitted.

The further consideration of the question of a World's Fair exhibit was carried on.

The Council then adjourned.

EXPERIMENT STATION,

Agricultural College,
April 22, 1891, 5 P.M.

Special Council meeting at the call of the Director. Present: Beal Grange, Reynolds, Dr. Beal elected chairman.

The Council adjourned, subject to the call of the Director.

EXPERIMENT STATION,

Agricultural College,
June 11, 1891.

The letter of Dr. Atwater referring to certain reports from Rothamstead, was referred to Prof. Davenport to ascertain what publications of the sort we already possess, and to act accordingly in procuring those mentioned. A letter from Prof. Hilgard on soil specimens for the World's Fair was received.

The soil exhibit at the World's Fair was referred to Dr. Kedzie.

Certain expenditures of Station funds were discussed.

Dr. Kedzie was authorized to expend \$200.00 for Chemical Laboratory fixtures.

\$50.00 were appropriated for Hort. Dep't. for books etc.

\$100.00 were appropriated to each of the Departments for books.

A spacing harrow and hay sling were ordered for the Agr'l. Dep't.

The Council then adjourned.

HENRY G. REYNOLDS,
SECRETARY STATE BOARD OF AGRICULTURE.

Expt. Sta.

Agricultural College P. O.
Ingham Co., Mich. Nov 10 1892

TELEGRAPH, EXPRESS OR FREIGHT ADDRESS, LANSING, MICH.

Council met at call of the Pres.

All present ~~but P. J. T. T.~~

It was moved that Geo. Davis (G. D.) be allowed to take a certain set of books for use during the winter on deposit of ~~the same~~ a note for their value with the Treasurer of the station. Carried.

Adjourned

Can't find copy. Done

to fill the various positions unfilled in the Expt. Station.

Also that the Farm Management be given further time to report on the Farm stock.

Also that the report of the Committee on Experiments on the plan of experiments was adopted.

It was resolved that the purchase of \$25. worth of fertilizer for the Expt. Station, Farm, a cultivator, a dynamometer, a hand thresher, balances and an air bath, for the same be authorized.

Also that the order against the sale of animals for breeding be rescinded.

Recess for supper till 7 P.M.

