

Lansing, Mich., Jan. 3, - 1893

Board met pursuant to adjournment.

All present but the Governor.

Minutes of the meeting of Dec 13 to 15 were read and approved.

Dr Beal A communication from Dr Beal was read and
communications ordered placed on file.

It was resolved that the Hillsdale Fair Association
Hillsdale Fair be requested to pay the expenses of the college
expenses exhibit at Hillsdale.

Committee on salaries It was resolved that the President of the Board and
between the chairman of the committee on employees be ap-
College & pointed a special committee to inquire into the ad-
Exp. Station. justment of salaries between the college and Experi-
ment Station, with the special object in view of
ascertaining if the labor performed by employees
under these salaries, is also adjusted in a manner
to comport with the arrangement of salaries, and to
report back to the Board at its convenience.

Dr Grange It was resolved that the vote be reconsidered by
Hillsdale Fair which Dr Grange was instructed not to accept con-
trol of the Veterinary exhibit at Chicago. The matter
was laid on the table till morning.

Adjourned to 9 A.M. at the Capitol

Henry Reynolds, Secy.

Lansing, Mich. Jan 4 - 1893

9 A.M.

Board reconvened with same members present.

Price paid It was resolved that the price paid for "cleaning
for cleaning at the college be limited to 12 1/2¢ per hour and
that the chairman of committee on Finances be in-
structed not to approve any such bills at a higher
rate.

Wood on Farm. It was resolved that no more wood be cut on the
Sale of 6 college farm this winter. Also that six short-horn
Heifers be sold under the direction of the Farm Committee.
Bones for Also that not to exceed \$150.00 be put at the disposal of Prof
trading team. Harwood to be used as a bonus in trading the team
(black & gray mares) for a better team.

Van Duvoort It was resolved that the motion to make Mr. Van-
Duvoort an assistant professor, be laid on the table
Ant. Prof. Also that the application of Mr. Davis for an increase
Davis for of salary be laid on the table temporarily.

Land Appraisal

It was resolved that Mr E. A. Holden be authorized to look over and reappraise college lands on the basis of the proposition filed by him, (\$50.00 for re-appraisal of lands in Benzie, Manistee, and Grand-Traverse counties) in counties hereinafter to be named and report at his earliest convenience.

Birds of Mich.

Resolved that the Birds of Michigan prepared by Prof Cook be published as an Experiment Station Bulletin \$25.00 to be used for illustrations.

Bird Bulletin

Also. That the sum of \$100.00 be appropriated for binding bulletins and other pamphlets for the Experiment Station library.

Legislation Memorial

It was resolved that the secretary be requested to draw up a memorial to the Legislature, to be presented to the Board at its next meeting, setting forth the reasons for placing the management of the college lands in charge of the Board of Agriculture.

Boxes for W. Fair

Resolved that five hundred boxes for exhibiting grains and seeds, be procured for the Columbian Exposition.

Frames " "

Resolved that \$375.00 be appropriated for the purchase of frames and mats for photographs and drawings from the Free Hand & Zoological departments for the Columbian Exposition.

Herbarium

Resolved that \$1875.00 be appropriated for the purchase of 1341 species, herbarium specimens.

Recs. till 3 P.M. Henry Reynolds, Secy.

January 4 3 P.M.

Board reconvened with same members present.

Vet. Exhibit

It was resolved to take from the table the question of Dr Grange's care of the Veterinary Exhibit at the World's Fair. As a substitute for the resolution adopted at the last meeting, it was resolved that Dr Grange be requested to take charge of the Veterinary. Also in the Co operative Experiment Station exhibit at the Columbian Exposition in accordance with the circular of H. D. Ginsby, Chairman of the committee.

World's Fair

Resolved that the heads of the departments of Agriculture, Horticulture, Botany, Zoology, Veterinary and Chemistry are hereby requested to contribute to the 500 feet of College space in the Michigan state exhibit, and as they are able.

D. Woodman

Resolved that President Clute be requested to correspond with Mr David Woodman and learn the

lowest sum for which he will prepare his grasses, grains, &c. for the Michigan exhibit and if he will do this for a reasonable sum, to engage him to do it at his own home.

Coöp. Exhibit

It was resolved that, so far as we have the material in hand, we comply with the request to participate in the coöperative College exhibit at the World's Fair. It was resolved that Mr Phelps be excused from further attendance at this meeting.

Adjourned to 9 A.M. Jan'y 5.

Henry E. Reynolds, Secy.

January 5th 1893. 9 A.M.

Board reconvened. All present but the Governor & Mr Phelps.

Vacation employees

The committee on employees reported, recommending the continuation of the following vacation labor.

For the Experiment Station.

Farm Dept. Mr Harvey & Mr Baker.

For the Columbian Exposition, Farm Dept.

Messrs. Hoodworth, Scott, Hall & Helander.

Botanical Dept, Messrs. Daddock and Andrews, part-time on herbarium work for the college.

Entomological Dept. Mr V. H. Lowe, half time.

For the Library. Messrs. Lake, Brooks & Goss.

General Exhibit. Labels, Mr Stutzman.

Report was accepted and adopted.

It was resolved that an additional man, (Mr Brooks) be employed in the Library for not more than one month.

Apportionment of funds

It was resolved that the Secretary of the Board, the chairman of the Farm committee, and the chairman of the Finance committee, be appointed a special committee to apportion the resources of the college for the balance of the fiscal year for current account, Experiment Station and World's Fair.

Resolved that all actions of the Board appropriating moneys from any of the funds with which we have to deal, be contingent upon the condition of such funds as apportioned, and become operative only as there are apportioned funds to draw upon.

Adjourned to Thursday January 16th at 7.30 P.M.

Henry E. Reynolds, Secy.

January 5 - 1892

Abbot
Resolutions

Report of committee on resolutions concerning the death of Dr. Abbott.

The committee charged with the duty of placing on the records of the State Board of Agricultural works expressive of the feelings of the members of the Board concerning the loss of Dr. Abbott, reported the following. In the death of Dr. Abbott we are reminded of a vigorous life work wrought out for the good of the Michigan State Agricultural College. To him more than any other man belongs the honor of placing this institution in the advance line of schools of its class in the world. He brought culture, genius and earnest, well directed and persistent labor to press forward its interests, and during the darkest days of its history never for one moment wavered in his loyalty to the cause of Agricultural education.

Although for many years he labored under all the difficulties and discouragements thrown about a field of education at once unpopular with educators, and not appreciated by those in whose especial interests it was worked, he still commanded the respect and confidence of all, and lived to see his own method copied throughout the nation. His name will always be identified with our college as its guiding spirit, and whatever of honor, power, or influence it may acquire on the side of industrial education will have its root in the impetus given it by Dr. Abbott while he occupied its executive chair.

We desire thus to express our convictions in the recorded minutes of the Board of control of the college as a tribute of respect to the noble life now passed to another sphere which was spent in behalf of the institution that is now under our guardianship.

Franklin Hills.

Chas. W. Earfield.

Committee

Apportionment

Lansing, Mich. Jan 5 - 1893.

The committee appointed by the Board of Agriculture at its meeting this day in Lansing, to apportion the resources of the College for the balance of the fiscal year for Current Account, Experiment Station, and Worlds Fair, and consisting of the Secretary of the Board, the chairman of the Finance committee, and the chairman of the Farm committee, met at the college and unanimously agreed upon the following apportionment.

Worlds Fair Funds.

Wax models of Fruits and Vegetables	\$500.00
Expenses of transportation, installation and attendance, after leaving the college	1200.00
Farm Dept. For college exhibit	300.
" " " State " "	300
The wages paid Messrs. Woodward, Scott, Hall & Helander to come out of these accounts, also the proportion used of Mr Stutemans labor.	
Horticultural Dept. inclusive of share Stutemans time	250.
Mechanical " " " " " "	300
Chemical " " " " " "	200
Zoological " " " " " "	
bees, etc frames.	150.
Botanical Dept, including time of Paddock and Andrews & share of Stutemans time	150.
Veterinary Dept.	200
Frames for photographs & Free Hand & Zoological drawings	137.50
Examination papers.	25.
Contingent fund	41.87

Total balance remaining unspent. January 1 - 1893 3754.37

The above apportionment to include all expenditures for the exhibits in the 1000 feet of the College Educational Exhibit, in the 500 feet of space in the State Agricultural Exhibit and in the Cooperative Exhibit of Agricultural Colleges.

Experiment Station Funds.

Pay Roll, for six months, January to June inclusive.	\$4310.
Farm Dept. including all labor, feed &c.	350.
Hort. " " " " " "	225.
Chemical " " " " " "	115.
Collection of Commercial Fertilizers. samples	60.
Botanical Dept.	60.
Zoological " " " " " "	15.
Graying Sub-Station \$100. & Mr. Palmers salary \$150	250
Forward	\$5385.

Forward. Experiment Station	\$5385.00
South Haven. Sub-Station \$50. Mr. Lyons salary \$250.	400.
Library, binding Bulletins \$100. Zoological books \$25. &c \$175.	300
Veterinary exhibit in Coöperative Exhibit of Experiment Stations, including services of Dr. Johnson	1250.
Weather Service	65
Contingent Fund	<u>220</u>
Total available Jan 1. to June 30 1893-	7020.00

Current Account Funds.

Farm Dept. Labor & Farm House	1200.
Farm. Tools, repairs, food. live stock & all other items	800.
Horticultural Dept. Labor, besides Boekinger, & Pay Roll	1010.
Farm, tools, repairs, feed, vaults, &c. greenhouse &c	550.
Mechanical Dept, including wages of Paul Theodore and all expenses for apparatus and other purposes	750.
Heating, Lighting, & Cleaning	
Fuel	3600.
Oil Co., Cleaning, at rate to exceed 125¢ per hour \$120.	180.
All other expenses including Pay Roll	1044.
Pay Roll, including Curtiss, Edgerton, Greenback, Newman, Blood, Boekinger and two janitors	17682.
Library, including Miss White 11 1/2 mos. Gross & Lake each 1 1/2 months, and Brooks 1 month	650.
Chemical Dept.	420.
Botanical " , including \$187.00 for herbaria bought	550.
Zoological " , including Lowe for one month	100.
Physical " .	150.
Military " .	90.
Veterinary " .	60.
Mathematical " .	60.
Drafting " .	60.
English " .	60.
Office, postage, printing, stationary, Advertisements, Sundry services, Telephone & telegraph, stenographer &c	900.
Miscellaneous, Hygienic Books land appraisal. & choir hospital, reading circle, & sundry	372.50
Building fund, Whittell \$312.00 Strongham \$273. Sundry \$135.	720.
Contingent fund	<u>2000</u>
Total,	33594.50

This is classified as follows

Academic, Pay roll including Curtiss, Newman, Greenback. but not including Paul Theodore, Miss White, Lowe, Gross,

Lake, Brooks, Scott, Woodward, Paddock, Andrews, O. B. Hall.
 Harvey, I. H. Baker, Helander, or Stuteman. 16668.
 Horticultural Dept, Boehmer in the Greenhouse. 210.
 Heating, Cleaning & Lighting, Edgerton, Blood, Elderkin, O. Bryan & Co.
 Total. 17682.00

Henry S. Reynolds.
 Chas. H. Garfield.
 I. H. Butterfield. } Committee.

Lansing, Mich. Jan 26-1893.
 7.30 P.M.

Board met pursuant to adjournment, all present but Mr. Chamberlain.

Minutes of the meetings of Jan 3-4-5 were read and approved.
 It was resolved that Mr. M. Cracker's salary be paid for the balance of the twelve months of his engagement.

It was resolved that all invitations to exhibit at fairs during the year 1893 be declined, in view of the World's Fair demands. Also that the Hillsdale Fair account be referred to the committee on Finance.

Adjourned to 9 A.M. Jan 27. at the Capitol.

Henry S. Reynolds, Secy.

Lansing, Jan 27-9 A.M.

Board reconvened; all present but the Governor and Mr. Chamberlain.

It was resolved that the Secretary have a set of reports for the Cooperative College Exhibit, and a set of text books, if the funds can be obtained for the same, with a case or not, is at the discretion of the Secretary.

Resolved that the recommendation of the Faculty with regard to good health at the college be approved and that the Faculty of the college are hereby authorized to levy the assessment as contemplated in the report, and to employ a physician at its discretion.

1 The resolution referred to, was adopted by the Faculty Jan. 23, as follows:

The Faculty shall secure the services of some reputable physician to give medical service to any person residing on the college premises, who may desire such service, to have general supervision of the hospital when needed and to direct disinfection and fumigation if required.

2. A tax of ten cents a week, shall be collected from every resident on the college premises during residence. This fund

J. McCracken

Fairs in 1893

Hillsdale &c

World's Fair

College Physician

shall pay all charges for physician, medicines, hospital charges and nurses, but any person sent to the hospital shall pay for board at current rates.

3. Each person shall be entitled to the services of the college physician without further charge, but shall not be required to accept such services provided he employ another physician whose charges he shall pay out of his own funds.

4. Patients shall be sent to the hospital only by order of the physician, except in cases of emergency, when they may be sent there temporarily by the president, the physician to determine whether or not they shall continue in the hospital.

5. The necessity of employing nurses at the hospital, the number and pay of the same, shall be determined by the president of the college, and the college physicians.

6. If any person except in the discharge of his official duty shall voluntarily expose himself to infectious or contagious disease, and shall be quarantined in the hospital therefor, he shall defray the expense for such detention from his own funds.

7. In cases of a severe epidemic, if the hospital charges including nurses and disinfection shall exceed the funds for that purpose, the excess shall be paid by the college. In cases of such epidemics, the isolation and detention of infected persons is for the safety of the community and not simply for the recovery of the infected persons. Manifestly, it is unjust to compel the infected sick person to pay all the expenses required for the protection of the community. The interruption of college exercises and the loss of public confidence will more than offset any expenses of a properly managed quarantine instituted at the first outbreak.

8. If any balance remain at the close of the year, this shall remain as a health fund for the succeeding year.

9. This plan shall be considered as tentative only, and shall remain in force one year.

R. C. Kedzie

W. Edwards.

L. R. Taft.

Committee.

Herdman

It was resolved that \$8.00 be paid for a substitute for the herdman at the time he was away on a vacation.
Recess to 1:00 P.M.

Danvers. Jan 27⁹³ 1 P.M.

Board reconvened.

It was resolved that when we adjourn it be to Monday, March 6th at 7.30. P.M. at the capital.

It was resolved that the committee on Experiment Station be given further time to report on the matters referred to them.

It was resolved, on recommendation of the Faculty, that the degree of Master of Science be conferred on Prof. H. E. Chapin of Athens, Ohio, and the corresponding diploma be issued on receipt of fee.

It was resolved that two cuts be procured for a bulletin on 'Spurry'.

It was resolved that the engagement of a foreman for the farm be left with the Farm committee with power to act.

It was resolved that the committee on World's Fair be authorized to spend \$70.00 for photographs.

Adjourned to March 6th at 7.30. P.M.

Henry B. Reynolds Secy.

Danvers, March 6th 1893.

Capital 7.30. P.M.

The Board met pursuant to adjournment.

Members present, Mills, Butterfield, Garfield, Glidden, Phelps, Chamberlain, Clute and the Secretary.

The reading of the minutes was dispensed with.

It was resolved that we proceed to the organization of the Board by electing by ballot a President, Secretary and Treasurer.

The first ballot for Pres. resulted in 5 votes for Mr. Franklin Wells, and one vote for Mr. Henry Chamberlain.

Mr. Wells was declared elected and accepted the position.

The ballot for Secretary resulted in 7 votes for Henry B. Reynolds.

Messrs. Tilton & Stutz appeared on behalf of the Columbian Society of the College asking for the room of the attic of the Botanical Laboratory.

Messrs. Wright and Harvey presented an application from the Hesperiian Society asking the use of the woodshed formerly occupied by Club C.

The applications were referred to the committee on Buildings.

It was resolved that the sum granted for illustrations to Prof. Cooks bulletin on the 'Birds of Michigan' be increased from \$125.00 to \$156.03.

Winter Course

It was resolved that Professors Harwood, Taft, Beal, Grange Cook, Buckenridge and R. C. Kedzie be requested to prepare a course of study for a Winter Course at the College and to report the same to the Board.

It was resolved that we adjourn to 10.50 A M at the College.

College, March 7th 10. A.M.

The Board reconvened with the same members present. It was resolved that we proceed to the election by ballot of a College Treasurer.

Thos B. D. Davis
relected

The first ballot resulted in 5 votes for Mr. D. B. Davis and 1 vote for Mr. C. W. O. Land. Mr. Davis was declared elected.

Witstock, Foreman

The committee on Farm management reported the engagement on Feb. 15th of Mr. Ernest Witstock as foreman of the farm at a salary of \$600.00 per year, the use of the house and furniture, on condition that he furnish board, washing, and lodging for farm and garden laborers at \$.250. per week, and at 15 cents per meal for transients. He to furnish fuel and all other supplies, and to keep the furniture good except for ordinary wear and tear. The report was accepted and adopted.

Dr. Shank came in at this point and presented a bill for medical services rendered in 1892.

Cut Wood

It was resolved that the Supt. of the Farm be authorized to cut 37 cords of wood to fill contract with Club.

Sell Mares

It was resolved that the Farm committee and the Supt. of the Farm be authorized to sell the black, and the gray mares belonging to the Farm Dept.

Dehorning.

It was resolved that the calves of this year be treated for the prevention of the growth of horns, under the direction and discretion of the farm committee.

Mumford, Worlds Fair

It was resolved that Mr. F. B. Mumford be delegated to go to Chicago to prepare the 500 feet of State Space for the Agricultural Exhibit, and to install the same.

It was resolved that a person to be selected by the President be delegated to go to Chicago to attend the preparation of the College space in the Educational Exhibit and to install our exhibit in the same.

Buy Teams

It was resolved that the Pres. of this Board, Mr. Butterfield of the Farm committee, and Mr. Phelps of the committee on Horticulture be a committee to purchase a team

for the Farm, and one for the Garden at its earliest convenience, with full authority to act at its own discretion. It was resolved that Lieut. Lewis is hereby authorized to spend \$15.90 to replace articles of military equipment that have been lost.

Military losses

It was resolved that the Consulting Botanist of the Experiment Station be hereby empowered to devote his time, except for other duties required by the Board, to the analysis of seeds to detect adulteration of the same.

Seed Analysis

The committee on Hort. reported recommending the purchase of a team and harness for the Hort. Dept. The report was accepted and adopted.

Recess for noon.

College, March 7, 1.30, P.M.

It was resolved that \$35.⁰⁰ be devoted from current contingent fund for the purchase of frames for the Botanical World's Fair Exhibit.

Botanic frames

It was resolved that the Secretary and chairman of the Finance committee be authorized to settle with Drs. Shank and Hyatt on such basis as can be agreed upon, and with the understanding on the part of the Board that the individuals attended are justly answerable for their respective portions of the bill.

Dr Shank

It was resolved that the expenditure of \$80.⁰⁰ from the contingent fund is authorized for planks and material for walks, under the direction of Prof. Taft.

Plank walks

It was resolved that Prof. Taft and the Secretary be requested to procure plans, and erect privy or two privies at Hills Hall.

Privy

It was resolved that the wood shed and hall of Club C. be assigned to the Hesperian Society, and that the dining room, kitchen, and store room of Club C. be assigned to the Columbian Society, provided that the societies make any alterations necessary at their own expense, and only as approved by the Pres. and Secretary.

Hesperians

Columbians

Bill Area

Resolved that the depressed area forming the rear entrance of Club C. be closed up, filled up, and the door replaced by a window.

Wm H. Roof

Resolved that Williams Hall roof be repaired as soon as possible.

338. Mech. Dept.

It was resolved that \$338.00 be appropriated from Current Contingent funds for the purchase of the following apparatus for the Mechanical Dept. per estimates of Prof. Buckinridge.

1. Office Desk.	\$	30.00	
1. Planimeter.		23.00	
1 Lazy Tong.		8.00	
1. Hydraulic Ram.		17.00	
1 Pair Thompsons Indicator Springs		125.00	
2. Pyrometers		25.00	
2. Steam Pipe Thermometers		12.00	
1. Square Engine Counters		25.00	
2. Pair Platform Scales.		70.00	\$338.00

Hospital

It was resolved that \$5.00 be allowed Mr. Elderton for extra labor in the case of Mr. McCracken.

"

It was resolved that \$8.00 be allowed Mr. Elderton for garments destroyed after Mr. McCracken's death.

Resolved that when we adjourn it be to Monday, April 10th, at 7.30 P.M. at the Capital.

Moved that \$75.00 or as much thereof as may be necessary be appropriated from the Current Contingent funds for exhibit of examination papers at the Worlds Fair. Not recorded.

The committee on Experiment Station made a written report on the work of the coming season, and expenditures for the fiscal year commencing July 1st 1893. The report was accepted and adopted and ordered placed on file, as follows:

Expt. Sta. Report

Report of Experiment Station Committee.

The committee on Experiment Station having carefully considered the report of the Station Council on the work of the station for the fiscal year 1893-4, report and recommend as follows:

Salaries

That the salaries remain as at present.

Farm \$2000.

That the sum of Two Thousand Dollars \$2000.00. be set apart for the use of the Agriculturist to pay for labor, material tools &c. in experiments relating to crops, stock feeding &c. as outlined.

Smut

II Investigations regarding the cause and prevention of smut in Corn, Wheat, Oats and Barley, best methods of treatment of seed, or other methods of prevention. We recommend that this experiment be first on the list, and to receive all the attention necessary to a complete solution of the problem if possible, and that the Botanist and Chemist be instructed to co-operate with the Agriculturist in this work.

Corn III. Experiments with corn, varieties, methods of planting and cultivation, improvement in yield &c.

Oats III. Continuation of plots of varieties of Oats, but all varieties falling below an average for two seasons should be dropped. Recommend field testing of methods of cultivation with variety whose value is established, on sod, fall and spring plowed, on clean stubble, not plowed, to determine relative yield and cost.

Wheat 4. Wheat in plots, but recommend dropping varieties not proving worthy as with Oats; crossing varieties with a view to improvement in yield and quality; testing new varieties.

Grasses 5. Grasses: testing promising new varieties not in general use, for meadow and pasture.

Forage & Green Manure 6. Forage plants, and plants for green manuring, So-Ja Bean, Mullet, Cow Pea, *Lathyrus Sylvestris*, Spurry &c.

Plots to be 1 Acre or more 7. In experiments with grain to test comparative yield, should be in plots of at least one acre. We do not consider that results of yield in small plots of one-tenth of an acre as having any but a "suggestive" value, and should not be sent out as a determination of yield of any variety.

Feeding Sheep
Rape 8. Feeding Experiments. Rape experiment with sheep and lambs. Advice that both sheep and lambs be used in this experiment and that a number of each be kept on good pasture grass during the fall to determine the effect of Rape on following winter feeding. That half the sheep and lambs be shorn about January 1st. to show the relative profit of shearing or not shearing of both sheep and lambs.

The feeding of these sheep and lambs may continue through the winter for this purpose and to ascertain the value of different grains and forage for winter feeding.

Silage 9. Sundry experiments recommended by the Agriculturist as Effect of Silage on Milk, Commercial value of Ensilage &c are advised.

De-horning
Nutritive Ratios The effect of de-horning may be tested on certain young cattle to be fed. The effect of narrow & wide nutritive ratios of grain in growing animals, fattening, and milk production.

Potatoes We advise the continuation of the experiments with potatoes by the Hort. Dept., but that the results obtained by the Agricultural Dept. in 1892 be published in bulletin.

We recommend that the experiments in the Agricultural Dept. be considered in the following order as to importance and that if in the opinion of the Agriculturist, after careful

consideration the fund appropriated is not sufficient to conduct all of them, those last named be dropped in order until the sum named shall cover the expense.

Order of Importance

1. Smut.
2. Rape and Sheep and Lamb feeding.
3. Corn.
4. Oats.
- 5 Feeding experiments other than sheep.
6. Wheat.
- 7 Grasses.
8. Forage, and green manuring plants.
9. Sundry experiments.

Chemist - \$400.00

We recommend that the work for the Chemist as reported by the council be adopted and the sum of \$400.00 be appropriated for this work.

Horticulturist

We recommend the adoption of the Council report on work for the Hort. Dept. with the addition of the experiment with potatoes. That the sum of \$1800.00 be appropriated for labor, material, tools &c as per estimates of the Horticulturist.

Botanist

The Consulting Botanist is authorized to begin the investigation of fungi affecting farms and garden crops, and in cooperation with the agriculturist to note the benefit if any, that may be gained by destroying all smutted parts of corn plants upon one acre of ground planted with corn. This last is properly included in the experiment first named for the Agricultural Dept. "The study of Smut in Grain"

Recapitulation

Funds

Salaries, as now amount to	\$9420.00
For Agricultural Dept.	2000.
For Horticultural "	1800.
For Chemical "	400.
For Grayling Work.	<u>600</u>
... Apiary	<u>500</u>
	\$14720.

Grayling Station.

Grayling

management

treatment

We recommend that the Grayling Experiment farm be under the management of the Agriculturist of the station with power to employ a local Supt. to act under his direction, at a salary not exceeding \$200.00 per year.

2. That all further experiments be conducted with reference to improving the soil by means of green crops

which experience has demonstrated to be best suited to this purpose, testing plants or crops of promising new varieties adapted to such soil and climate, the application of cheap fertilizers known to be useful on such soils: and that crops grown except for plowing in, be such as are needed on farms for actual use in feeding stock or providing food. Reference in their selection to be had from the experience obtained on this farm, and of farmers in that section and the adaptation of varieties to soil and climate: to the end that such experiment may demonstrate whether this land can be improved and made to grow farm or other paying crops at an expense which will warrant its occupancy for farming purposes.

Expense

3. That the sum of \$500.00 be appropriated for labor and expenses other than salary of Supt.

We advise that no more land be cleared for the present.

J. H. Butterfield,

Henry Chamberlain.

Committee.

Adjourned to Monday April 10th, 7.30 P.M. at the Capitol.

Lansing, Mich., April 10 - 1893.

Capitol, 7.30 P.M.

The Board met pursuant to adjournment.

Members present, Wells, Chamberlain, Butterfield, Gladders, Phelps, Garfield, Chute and Governor Rich.

Secy. Reynolds being absent Mr. Garfield acted as clerk of the session.

Hon. A. T. Linderman appeared before the Board and spoke of two bills pending before the legislature, affecting the college: one providing for a woman's department, and the second providing a regular mill tax.

Mrs. H. Hilton, representing the Bee Keepers of the state, asked that the Experiment Station devote \$1500. per year to experiments in apian lines.

It was resolved that Dr. Kedzie is hereby authorized to loan the Dept. of Agriculture, Washington, D.C. the following articles.

3, Platinum Dishes.

2, Platinum Crucibles.

1, Air Bath.

2, Iron Lamp Stands.

Woman's
dept.

Dr. Hedy's
Glass House

It was resolved that Dr. Hedy is authorized to erect a temporary glass house, for use in experiments with plants in the secretion of nitrogen, at a cost not exceeding \$75.00.

Exp. Sta.
Entomological
Equip.

It was resolved that E. C. Davis, Consulting Entomologist of the Experiment Station, is authorized to procure the following.

6. Gallon Breeding jars	\$ 3.85
12. "2 "	5.20
24. "4 "	6.50
1 Large exhibit jar for Hortic. Soc.	5.00
	\$20.55

Dr. Edwards
Type Writer

It was resolved that Dr. Edwards is authorized to procure a type writer at a cost of \$52.50.

It was resolved that C. F. Thibault is authorized to procure 100 bottles of seeds of common weeds at a cost of \$14.00.

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

College. April 11, 9 A.M.

Board met pursuant to adjournment.

April Meeting

Same members present with the exception of Mr. Rich. Minutes of March meeting were read, and after being amended slightly as to details were adopted.

Pres. Hills announced the committees of the Board as follows.

Board Committee Finance.

C. H. Garfield, A. C. Blodden.

Farm Management.

I. H. Butterfield, Edwin Phelps.

Botany and Horticulture.

C. H. Garfield, Edwin Phelps.

Buildings & Property.

A. C. Blodden, I. H. Butterfield.

Employees.

H. Chamberlain, Blodden.

Clute and C. H. Garfield.

Farmers' Institutes.

A. C. Blodden & C. H. Garfield.

Mechanical Dept.

Henry Chamberlain, C. H. Garfield.

Veterinary Dept.

E. Phelps, I. H. Butterfield.

Military Dept.

C. H. Garfield, I. H. Butterfield.

Land Grant.

H. Chamberlain, E. Phelps.

Weather Service

A. C. Blodden, C. H. Garfield.

Experiment Station

I. H. Butterfield, H. Chamberlain.

Equipment
Bot Lab.

It was resolved that the committee on Botany and Horticulture is hereby empowered to authorize Dr. Beal to procure such furniture for the Botanical Laboratory as is of immediate necessity, as soon as the appropriation to purchase the same has been made by the legislature.

Land house.
M. M. R. Ry

Installing Ed.
Exhibit at
Chicago

A communication from E. H. Allen, Marquette, Mich. Acting Land Commissioner D. M. M. R. Ry relative to the establishment of a sub. experiment station, was read to the Board by Pres. Clute, and ordered placed on file. Pres. Clute reported that he had under resolution of the Board, appointed Mr. E. C. Davis to install the Educational Exhibit for the College at the Worlds Fair.

The following communication was read by Pres. Clute

Dept. of Agriculture, Washington, D.C.
Office of Expt. Stations. Mch. 17. 1893.

Director C. Clute.

Agricultural College, Mich.

Dear Sir,

Co-operative
College & Expt.
Exhibit

The co-operative college and experiment station exhibit will contain four laboratories. Two of these will be devoted to Chemistry, one to Botany and one to Bacteria and Entomology. One chemical and one other laboratory will be in operation in the morning of each day; the other two in the afternoon. In them will be shown simple operations, the object of which will be to make clear to the general public some of the principals and methods of the work of the colleges and stations. Each laboratory will require the presence of one demonstrator each day. The work to be done by these demonstrators will be largely, but not entirely planned for them. Each demonstrator will be on duty for public demonstration during half of each day. In addition to this service will be that involved in clearing up and preparing for demonstration, which should not take any great amount of time. It is therefore to be expected that each demonstrator will be at liberty for nearly one half of each day. It is necessary for us to request that the experiment stations detail to us for work in the laboratories at Chicago, for one calendar month and three days each, 12 Chemists, 6 Botanists, and three Entomologists. The government will pay each demonstrator \$60.⁰⁰ leaving any expense in excess of that amount, to be provided for by the arrangement between the stations and the demonstrator. In addition to these demonstrators we will need for the above 2 demonstrators each month or twelve in all. The conditions of pay and service will be the same as for the other demonstrators. They may be taken from any department of station work.

Kindly inform me how many men your station can detail, the date at which it will be most convenient to send them, their names and the kind of work at which they have been engaged.

I hope that you will be able to give this matter your prompt attention. Yours very resp.

W. H. Harris Director

attendants
on Co-operative
Exhibit at
Chicago

It was resolved that the President of the College is hereby authorized to detail four of the employees of the College to assist in the co-operative college and experiment station exhibit in Chicago, at such times as may be agreed upon by the heads of departments here and the authorities in Washington.

Target Range

The Military committee to whom was referred a communication from Lieut. Lewis concerning the location of a target range, reported the following resolution and moved its adoption.

It was resolved that Roy Lewis, Harwood and Vedder are hereby appointed a committee to locate a target range, and to prepare the same at a cost not to exceed \$75⁰⁰.

Purchase of
Teams.

The special committee consisting of Messrs. Tills, Phelps, and Butterfield, authorized to purchase two teams for the college, one for the Farm Dept and the other for the Hort. Dept, reported the purchase of the same at an aggregate expense of \$575⁰⁰.

Mr Davis
Time

The committee on employees reported the following resolution which was adopted.

It was resolved that one half of the time of L. C. Davis be given to his work as consulting entomologist, and one half to assisting Prof. Cook in teaching, in laboratory work and museum work, and that his salary be apportioned at the same ratio to Experiment Station funds and current funds; and that the salary of Mr Davis be at the rate of \$1000.⁰⁰ per year to commence March 1st 1893.

Dr. Shanks
Bill

The committee appointed to settle with Dr Shanks in its discretion, for services rendered, reported a settlement for \$204.⁵⁰/₁₀₀ and presented Dr Shanks receipt in full. Adopted.

Dr Willings

A bill of Dr Willings for services at the epidemic in 1892, was presented. It was referred to the chairman of the Finance committee and the Secy. with power to settle it in their discretion. Passed till 1.30 P.M.

College. 1.30 P.M.

Scuttle Williams
Hall.

The committee on Buildings recommended that a penttle be placed in the roof of Williams Hall, so as to make the roof accessible without entering through the rooms of a society. Adopted.

College Lands

The committee on Land Grant spoke of progress in the survey of college lands by Mr Holden and spoke encouragingly of the results that would ensue from this work.

Harness for
Garden Team

The committee on Botany and Horticulture to whom was referred the matter of a purchase of a harness for the new garden team, reported the following.

Resolved that Prof. Taft is hereby authorized to buy a harness for the new garden team at a cost not exceeding \$30.00. Adopted.

Cordley Coll.
Insects

The committee on Botany and Hort. to whom was referred the communication from Prof. Cook concerning the purchase of the Cordley collection of insects, requested further time to consider the matter. Granted.

It was resolved that Mr. Vandervoort be made Asst. Prof. of Mechanics.

Clinton house
Rent

It was resolved that Mr. Clinton be allowed for the six months after April 1st 1893. at the rate of \$12.00 per month in lieu of rooms upon the college grounds. to pay for house rent.

It was resolved that the Farm committee be requested to notify Mr. Burnett that his resignation is desired to take effect at the end of the present college year.

It was resolved that when we adjourn it be to Monday May 8th 1893. at 7.30 P.M.

Adjourned.

Lansing Mich. May 15. 1893.

Board meeting postponed by agreement to May 15. and Board met at the Capitol Monday evening May 15 at 7.30 P.M.

Members present. Messrs. Wells. Chamberlain. Garfield Butterfield. Glidden. Phelps. Clute and Sec'y Reynolds.

Missis Taylor and Hutchinson were present and presented arguments for Experimentation in Bee Culture.

It was resolved that the Committee on Buildings

Howard Terrace
cellars.

be requested to investigate. as to the condition of Howard Terrace Cellars and Bachelor Hall and report to the Board to-morrow.

Adjourned to meet at the College at 9 A.M. to-morrow

College. 9. A. M. May 16. 1893

Board re-convened. Same members present. The minutes of the meetings of April 10 & 11th were read and approved.

Attendant.
for exhibit at
Worlds Fair

It was resolved that \$70. per month or as much thereof as shall be necessary. be appropriated from our worlds Fair Contingent fund to pay the expense of a College employee. to be in attendance upon our exhibit at Chicago. the arrangement of the proper person to be detailed for such purpose to be left in the discretion of the President of the Board. and the President of the College.

Rate of interest
on deposits
with Treasurer.

The committee on Finance to whom was referred the communication of our Treasurer. Mr. Davis with reference to the rate of interest on daily balances in our Depository, the City National Bank would respectfully report: that. after consultation with the officers of the Bank. we recommend that the request to reduce the rate paid on our deposits from 4 to 3% on daily balances be granted. to take effect June 30. 1893: and that we request the secretary to say to our treasurer. that we commend the attempt on the part of the officers of his bank to secure a more conservative and healthy method in the management of Banking affairs in Lansing. in which all the Banks can cordially unite.

The Joint Committee on Military and Buildings to whom was referred the resolution for fitting up a work room in the armory. respectfully report that there is no money in any fund upon which we can legitimately draw for this purpose. and we recommend that the resolution do lie upon the table. until the action of the Legislature with reference to the College appropriation. shall be known. Report adopted.

The resolution appropriating Two Hundred Dollars for the purchase from Mr. Coddley of 5000 specimens of insects from Arizona was referred to the com-

matter on Botany and Horticulture.

Cordley col-
lection of in-
sects. The committee on Botany and Horticulture to whom was referred a resolution providing for an appropriation of Two Hundred Dollars with which to purchase the Cordley collection of Arizona insects recommend that it do lie upon the table until the apportionment of College funds for the six months beginning July 1st 1893, and that the committee which shall be authorized to make such apportionment be requested to consider the desirability of this purchase in recommending the amount to be allowed the department of Zoology.

Silk Banner
for Educational
exhibit at
Chicago. It was resolved that President Clute is hereby authorized to procure a silk banner, suitably lettered, at a cost not exceeding Forty Dollars, for our Educational Exhibit at Chicago.

McBride
resignation. It was resolved that the Secretary notify James N. McBride that his resignation is desired to take effect immediately.

Salary of fireman. It was resolved that the salary of Mr. Blood the fireman, be increased to 35⁰⁰ per month.

Salary of
Florist. It was ~~the~~ resolved that the salary of Mr. Benson the Florist be made Fifty Five Dollars \$55⁰⁰ from May 1st, 1893.

It was resolved that in case Dr. Grange is compelled to be absent in Chicago to attend the installation of the Government Veterinary exhibit, during the first part of the term, the President is authorized to engage Dr. Johnson to do his work at the College.

Prof. Thuermer
time and
division of
salary. It was resolved that one half of the time of Prof. Thuermer be given to Experiment work in the station, and one half to work in the Botanical Dept., and that his salary be paid in the same proportion from the Experiment Station funds and Current funds, commencing May 1st 1893.

Shoulder straps
for Military
Dept. It was resolved that Prof. Lewis is authorized to procure suitable shoulder straps for use of the Captains and Lieutenants of the Cadet corps and that the same be in his charge for use in his department from year to year.

This resolution was referred to committee on Military who reported as follows. The committee on Military to whom was referred the above resolution recommend its adoption provided that in the apportionment of funds for the six months ending June 30-1893 there is an amount suf-

ificent for this purpose to the credit of the Military department.

The following resolution was recommended by the committee on Mechanical Dept. and adopted.

New plates for Mech. Dept. Resolved that three new half-ton plates be made for the next catalogue to illustrate work in connection with the Mechanical department at an estimated expense of \$35.00 and that the present cut of the Machine Shop be omitted.

Dr. Helling's bill. A bill of Dr. Helling for Medical services rendered in 1893. aggregating \$17.50 was approved.

Inventory. It was resolved that the annual inventory of College property prepared by the several departments be referred to the committee on Finance and Buildings and Property for review before being published.

Resolution to Hon. Elijah H. Rising. The members of the State Board of Agriculture being advised of the death of our late associate Hon. Elijah H. Rising, member of this Board from 1883-9. desire to place on record their testimony of his worth and services.

Resolved that Mr. Rising was a valuable member of this Board, attentive to his duties, courteous to his associates and one whose judgment was seldom wrong.

It was resolved that this resolution be entered on the records and a copy sent to his venerable father and devoted wife.

Salary of L. C. Davis. It was resolved that the records of the meetings of April 10-11 be amended so that the salary of Mr. L. C. Davis be at the rate of \$1000.00 instead of \$800.00 per year.

Arrangement for teaching McBrides classes. It was resolved that the President of the College arrange for the teaching of the branches in Prof. McBrides department, by the remaining force of the College at his discretion.

Approval of bonds of Secy & Treasurer. It was resolved that the bonds of B. F. Davis as Treasurer, and H. Reynolds as Secretary be accepted and approved.

Apportionment for Ex. Sta. Farm. It was resolved that a further apportionment of \$250.00 Two Hundred Fifty Dollars, be made to the Farm Dept. Experiment Station, for expenses to June 30-1893.

Damages to Electric Society rooms. It was resolved that \$10.00 be paid to the Electric Society for injury to their property in the Society rooms by leakage, after the society had notified the authorities of the existence of such a leak and a reasonable time for repair had elapsed without its having been done.

It was resolved that \$5⁰⁰ be allowed the occupants of room #22 for articles stolen from the room when left unlocked by the college engineer at the time of turning on the steam just prior to the opening of the term. Motion Lost.

Medical fee
abolished.

It was resolved that the Medical fee and service system adopted at the Feb. meeting of the Board be discontinued and the Secretary be instructed to pay Dr. Hellinga for his service under this system at the rate of \$60⁰⁰ per month.

Resignation
of Pres. Chute.

The resignation of Pres. Chute was presented, and accepted, and ordered placed on file.

Resignation
of E. A. Burnett.

The resignation of Mr. Burnett of the Farm Dept. was presented and accepted and ordered placed on file.

Resignation
of Prof. Harwood.

The resignation of Prof. Harwood was presented.

It was resolved that the resignation of Prof. Harwood be laid on the table.

Resignation
of Prof. G. A. Goodenough.

The resignation of Prof. G. A. Goodenough to take effect May 20, 1893, was presented, accepted, and ordered filed.

Resignation
of Lucy Reynolds.

The resignation of Lucy Reynolds to take effect June 30, 1893, was presented, accepted, and ordered placed on file.

Successor
for Lucy
Reynolds.

It was resolved that a successor to Lucy Reynolds be elected at this meeting of the Board. The election to take effect at the same time as Mr. Reynolds resignation.

Recess for dinner.

Apiary
Experiments.

When the Board reconvened Mr. Hutchinson was asked to present plans for experiments in Apiculture, and submitted estimates of the expense necessary for the purpose.

It was resolved that Five Hundred Dollars, \$500⁰⁰ of the Experiment Station funds for the fiscal year beginning July 1st, 1893, be appropriated for experimentation in bee-culture the details of which are left for arrangement with the Experiment Station committee with power to act.

Target
Range.

The Faculty committee appointed by the Board to locate and arrange a target range, reported as follows.

Your committee after a careful examination, report that the only suitable site for a range is in field #7, using that part of the field nearest the river. A range of about 500 yards could be here obtained.

In order to secure a regular range of six hundred yards without cutting into field #, it would be necessary to fell the trees for about one hundred yards in the woods for a width of forty feet.

The targets would be located at the east end of the range.

and the bullets would come to ground in the woods or be stopped by the trees. The damage to the timber might be considerable.

To stop all the bullets behind the targets would require a butt. of considerable height and strength:

Of wood about twenty feet long, and fifteen inches thick of earth about twenty feet long, three feet wide at the top and thirty feet at the bottom, and coddled. The length of either to be about fifteen feet.

The original estimate did not contemplate the erection of such a butt. The committee recommends that a cutting in the woods sufficient to give the fire hundred yards range be authorized: also that an appropriation be made to cover the expense of erection of the butt above described.

Signed. E. A. Lewis. Chairman.

Estimate of Butt of Earth

Length of base.	Fifty feet.
" " top.	Twenty "
Width " base	Thirty Three feet
" " top	Three — "
Height	Fifteen "

Contents. cubic yards about 1100. The cost of making this butt may be taken at from ten to fifteen cent per cubic yard, or from \$110.00 to \$165.00.

Report was referred to the committee on Military Dept. who recommended as follows.

Your committee on the Military dept. to whom was referred the recommendation of the Faculty, charged with the selection of a suitable target range, beg leave to report that they have carefully reviewed the suggestions of the Faculty committee, and while we wish to grant the Military department of the College every facility to insure its efficiency, we do not feel like permanently sacrificing any attribute of the college premises of so much interest and attractiveness as the timber and shrubbery along the south bank of the Cedar River which has already been stripped of too much of its sylvan beauty along the border of #7.

Our view of the usefulness of the Military feature of this College, is that when it has given the young men manly carriage of person, precision of movement, orderly habits, prompt obedience to authority and tide-

Target
Range

ness of person, and knowledge of ordinary military evolutions it has so far subverted the object of its establishment as to accomplish nearly every purpose sought.

If the addition of a suitable target range can be made without endangering life, producing discomfort to our neighbors, or eliminating any attractive feature of the college premises, we favor it.

With this view of the subject, your committee recommends that this communication of the Faculty committee be respectfully referred back to said committee with the request that they give the matter further consideration and later on make an amended report to us which shall suggest some other plan that in its development will not lead to the loss or impairment of any attractive feature of the college farm.

Chas. H. Garfield.

L. H. Butterfield. Committee.

This report was re-referred to the Faculty committee.

Mr. E. A. Holden was invited in and presented his report of the examination of lands in Oxford, Manistee and Benzie counties.

It was resolved that the bill of Mr. E. A. Holden for \$150⁰⁰ be allowed for the appraising of these lands.

Mr. P. G. Holden appeared before the Board at their request. It was resolved that the Secretary be requested to notify Mr. Holden that his services will be no longer required.

It was resolved that the President be authorized to employ such assistance on the Agricultural Dept. as may be required.

It was resolved that in as much as a vacancy is soon to occur in the Secretaryship of this Board, that we proceed to ballot for a successor to Mr. Reynolds.

The first ballot resulted in five votes for L. H. Butterfield and two for C. H. Garfield.

It was resolved that Mr. Butterfield's election be declared unanimous. to take effect June 30, 1893.

Adjourned to meet at the Capital at 8 P.M.

Lansing. May, 16- Capital 8 P.M.

Board reconvened for adjournment: members present. Wells, Chamberlain, Butterfield, Phelps, Glidden, Clute and Secy. Reynolds. Mr. Butterfield presented a note from Gov. Rich

E. A. Holden
Oxford.
Manistee
Lands

P. G. Holden
discharged

assist in
Agr. Dept.

Election of
Secretary

L. H. Butterfield
elected Secretary

W. Butterfield
resignation
Mem. Board

stating that he had accepted the resignation of Mr. Butterfield as a member of the Board of Agriculture the resignation to take effect on June 30, 1893.

It was resolved to proceed to ballot for a member to succeed Mr. Butterfield when his resignation takes effect on June 30.

Chas. F. Moore
elected Member
Board

Mr. Chas. F. Moore of St. Clair. Mich received six votes and was declared elected.

Adjourned to Monday June 12th at 7.30 P.M.

Signed.

Henry G. Reynolds.

Secy.

Lansing, Mich. June 13 - 1893.

Board met pursuant to adjournment at the Hudson House.

All members present and also Mr. C. F. Moore the member elect to succeed Mr. Butterfield at the expiration of his term.

Auburn
Candidate

Mr. Auburn was present and conversed on the subject of the Presidency.

Weather Service

Mr. Evans was present and requested that the Board appropriate Two Hundred Fifty Dollars per year to the Weather Service.

Various matters were referred to special committees and the Board adjourned to meet at the college at 10.00 A.M.

College, June 13 - 10.00 A.M.

Board met pursuant to adjournment. Same members present.

J. M. Smith
Candidate
for Pres.

Mr. J. M. Smith, Supt. of Schools, Bay City, Mich was present as a candidate for the Presidency.

Mr. Fifield and Dr. were also present to advocate Mr. Smith's appointment.

Mr. Clinton D. Smith, Director of the Minnesota Experiment Station, was given audience as a candidate for the professorship of Agriculture.

Business until 2.00 P.M.

Prof Cook
retaining apiary

Board reconvened with same members present.

Prof. Cook appeared to urge retaining the College Experiment Station Apiary on the college premises for its educational value.

Apiany
Contract with
R. L. Taylor

It was resolved that contract be entered into with Mr. R. L. Taylor to take the bees to his home, and for \$500.⁰⁰, Five Hundred Dollars, to conduct experiments in apiculture for the year beginning July 1-1893, and to return the bees as good as when taken.

Purchase of
Mow Mach

It was resolved that Prof. Harwood be authorized to purchase a mowing machine.

Increase App.
Hort dept.

It was resolved that the appropriation to the Hort. department for the year ending June 30-1893, be increased by the sum of \$175⁰⁰.

Herbarium
Cases

It was resolved that the Secretary and Dr. Beal are hereby authorized to procure two herbarium cases and shelves for the Experiment Station, bulletins and window screens for the Botanical Dept.

Plans for
add to Hort
dwelling

It was resolved that Prof. Taft be requested to submit to the Board at its next meeting, detailed plans for the addition to his dwelling, to be within the appropriation.

Fix Dr Edwards
Cistern

It was resolved that the cistern back of Dr. Edwards house, be fitted with a pump now at Prof. Taft house for use of the occupants of Bachelors Hall.

Repairs
Dr. Hedges House

It was resolved that \$2.68/100 be paid for work done by Voicelle & Darost on Dr. Hedges house.

Hicks Kitchen

Resolved that repairs of roof and eaves at Dr. Hedges house and certain painting and papering be authorized. It was resolved that Mr. Hicks be allowed to occupy the kitchen vacated by Mr. Holden and giving up the kitchen he has been using.

Babcock
Rooms in Terrace

Resolved that Mr. Babcock be granted the two rooms in the west end of the Terrace vacated by Mr. Holden and the kitchen vacated by Mr. Hicks.

Drain to
Cellar of Eng
House

Resolved that a drain be put in from the cellar of house occupied by the engineer, to the well now receiving drainage from the Boiler House at a cost not exceeding \$10⁰⁰.

Repairs to
Rooms
McNair

It was resolved that the parlors of the suite of rooms occupied by Prof. McNair be papered and painted and that a glass be put in the hall door.

Noble

The following repairs are hereby authorized to the rooms occupied by Prof. Noble. Walls of the dining room and hall kalsomined and woodwork painted, and the double front rooms papered and woodwork painted and a glass put in the hall door.

Repairs to
Roof of
Edwards House

It was resolved that the roof of Dr. Edwards house be repaired, the walls repaired and kalsomined, and the hall papered, and the interior wood work painted, and that part of the shed be converted into a servants room.

Painting
Houses.

Pres. Mechan.
Kedzie Edwards
Secretary

House painting
left with Secy

Resolved that the interior of the Presidents house and of those occupied by Prof. Buckingham, Kedzie, Edwards and Sec. Reynolds be painted under the direction of the Secretary and the men occupying the same.

Resolved that the house painting be left with the Secretary to be let by contract or hire, at his discretion.

Repair Roofs

Resolved that the leaky roofs be repaired under the direction of the Secretary.

Painting in
Harwood House

Resolved that the painting of a hall and two floors in the house occupied by Prof. Harwood is hereby authorized under the direction of the Secretary and Prof. Harwood.

Secy House
repainted inside

Resolved that the Secretarys house be kalsomined and painted inside.

Repairs to
Pres. House

Repair roof
Chem Lab.

Resolved that the roof of the Presidents house be repaired and that new doors be made for the outside cellar way, under the direction of the Secy.

Resolved that the roof of the Chemical Laboratory be repaired under the direction of the Secretary.

Resolved that the roof of the Museum be repaired under the direction of the Secretary.

Withdrawal
of lands from
Sale

It was resolved that the commissioner of the State Land Office be instructed to withdraw from sale the lands granted to this state by act of Congress approved July 3, 1893, providing for the endowment of colleges for the benefit of Agriculture and the Mechanic arts.

Additional approp-
riation Mechanical
Department

Resolved that Two Hundred Dollars be added to the appropriation to the Mechanical Dept. to July 1st, 1893.

Weather Service
appropriation

Moved that Two Hundred Fifty Dollars per year be apportioned from the Experiment Station funds for the Weather Service. Motion lost.

Prof. McBride
resigns

The resignation of Prof. McBride was presented and accepted to date from May 22, 1893, and ordered placed on file.

Question of
sewerage for
Howard Terrace

Resolved that Prof. Vidden be requested to examine the question of sewerage and drainage of Howard Terrace and report of the next meeting of the Board.

Committee on
apportionments

Resolved that a committee of three be appointed on apportionment. Garfield, Moore and Butterfield were appointed.

Copies of Land
Grant act printed.

Resolved that the Secretary have one hundred copies of the Land Grant act as amended, printed for the use of the Board.

Import order
Chemical Dept.

Resolved that the Chemical Dept. is hereby authorized to place an import order for Chemical Supplies to the amount of \$400⁰⁰.

Adjourned

Resolved that we adjourn to meet Monday evening, July 10, at 7.30 P.M. at the Capitol.

Signed. Henry G. Reynolds,
Secy.

Dancing, Mich. July 10-1893.

Board met at the Hudson House pursuant to adjournment. All members present except Mr. Phelps.

Repairs to Prof
Phelps rooms
ordered.

Resolved that the following repairs be authorized on Prof. Phelps rooms in Howard Terrace. Shelves and two cupboards, bed room and hall kalsomined, front room painted and dining room and kitchen painted and kalsomined.

\$8⁰⁰ allowed
to obtain photos
of horses at World's Fair

Resolved that Dr. Grange be allowed Fifty Eight Dollars for expenses to obtain photographs of horses at the Worlds Fair, to be paid from Experiment Station funds not otherwise apportioned.

Consulting Entomologist
to visit Kalamazoo

Resolved that the Consulting Entomologist of the Experiment Station be authorized to visit the vicinity of Kalamazoo under direction of the Director of the Station, to examine insects working on celery.

Repairs to Green
house ordered

Resolved that certain repairs to the Green House be done by the Secretary.

Dr. Kedzie to visit
Chicago

Resolved that Dr. Kedzie be sent to Chicago by the Experiment Station as a delegate to the meeting of Agricultural Chemists.

Special apportionment
for 1893-4

Resolved that the following apportionments for Special Legislative Appropriations for the years 1893-4 be made.
For 1893. Farm Team \$200⁰⁰, Hort. Team \$200⁰⁰, Farm Fence \$200⁰⁰,
Farm Drainage \$200⁰⁰, Mechanical Dept \$500⁰⁰, Halls & Roads \$3000⁰⁰,

Repairs \$2500.⁰⁰; Equipment for Botanical Laboratory \$1000.⁰⁰
 Museum cases \$225.⁰⁰ Foundry \$1500.⁰⁰ Sheds \$300.⁰⁰
 Addition to house of Prof. Taft \$500.⁰⁰, Hospital \$3500.⁰⁰
 Sundry \$1000.⁰⁰ Wells Hall Dray \$300.⁰⁰ Student Labor \$3300.⁰⁰
 Total apportionment \$16425.⁰⁰
 For 1894. Forward. \$11300.

Special apportionment
for 1894

Farm Drainage	\$300.00	Library	500.
Thicks & Roads	\$1500.	Rooms in Agr. Laboratory	500.
Repairs	\$7500.	Student Labor	<u>4700</u>
Library	\$2000.	Total	\$17300.

The committee on apportionment of current funds for the six months ending Jan 1st 1894 made the following report.

The estimated receipts are \$36000.⁰⁰ which your committee recommend to be divided as follows.

Apportionment
for six months
ending Jan 1
1894

Salaries	\$17000.	Forward.	\$1845.00
Farm Dept.	3500.	Veterinary Dept.	100.00
Work "	2100.	Chemical "	600.
Wearing & Repairs	5000.	Botanical "	600.
Mechl. Dept.	2600.	Drawing "	45.
English "	930.	Military "	200.
Zoological " Expenses	50.	Physical "	410.
Bird Skins & Eggs.	325.	Office	1200.
Math. Dept.	<u>340.</u>	Miscellaneous.	<u>1000</u>
Forward	<u>\$31845.00</u>		<u>\$36000.00</u>

The amounts assigned to the several departments to be expended under the direction of the heads of departments.

Repairs to road
South of college

The Secretary was authorized to investigate the question of road work on the road south of the College Farm with authority to expend \$12.⁰⁰

Resolved that the adjustment of the price of board to be paid to the Foreman of the Farm for the board of the farm hands, be referred to the Farm committee and the Secretary with power to act.

Degree of L.L.D. on
Prof. Clute, and
Master of Horticulture
on Henry G. Reynolds

The Secretary reported that the Faculty recommended the Board that the honorary degree of L.L.D. be conferred on Prof. Clute, and the degree of Master of Horticulture on Henry G. Reynolds.

Mr. Garfield presented the following resolutions which were unanimously adopted.

Resolution
by the Board to
Henry B. Reynolds

Resolved that the members of the State Board of Agriculture take this occasion to record their sincere regret in parting with their courteous and efficient Secretary Henry B. Reynolds, who has served them and the College so faithfully for eight years. After having served as a member of this Board a full term he was specially fitted to fill the position so as to most completely subserve the interests of the College.

His education and training, his natural bent of mind, and above all his loyalty to the basic principles of our system of education all contributed to make him a model secretary. The college is indebted to him for generosity, honesty, efficiency and self denying service.

The members of this Board are indebted to him for more than language can express, not only for kindly assistance and generous courtesy, but special thoughtfulness in our behalf on all occasions.

We for all these years have shown our confidence in him through our oft-repeated acknowledgements that he was of more influence than any of our number in molding college affairs. Our confidence we fear has often led up to put upon his willing shoulders, burdens that because of his waning vitality he was unable to bear. And we regretfully recall the decline of his health in our service.

We regret the necessity that leads to the severance of Mr Reynolds connection with the college, and this Board, and trust that with rest and change he may recover strength, vivacity and courage, and live long to add to the happiness of others while himself enjoying lifes choicest blessings.

Resolved that this expression of feeling in our parting with Mr Reynolds be made part of the recorded minutes of this meeting and that a copy of these resolutions be sent him by the Secretary.

Resolved that the request of Prof. Beckwith for an increase of salary be not granted.

Resolved that the request of Mr. Grosbeck for increase of salary be not granted.

On motion a ballot was taken for President of the college.

Prof. Lewis G. Gorton of Detroit was declared e-

increase in Prof
Beckwiths salary
denied
Prof Goodrich same
Ballot taken for
President

Prof. Estlin elected
President.

elected at a salary of \$3200⁰⁰ per annum, and house
to begin September 1, 1893.

Resolved that the resignation of Prof. Harwood be
taken from the table.

Resolved that the resignation of Prof. Harwood be
accepted to take effect at the close of the present
school year.

The Board proceeded to the election of a Prof. of
Agriculture and Clinton D. Smith, Director of the Minn.
Experiment Station was declared elected at a salary
of \$1800⁰⁰ per annum, and house, to begin Sept. 1st 1893.

Resolved that the Secretary procure the following
plans for buildings and improvements to be presented
to the Board at their next meeting. Plans for Prof.
Taft's addition, for Hospital, additional sheds, foundry
and sewerage system. Adjourned to meet Monday eve-
ning, August 7 1893. at their rooms in the capitol.

Signed. J. H. Butterfield
Secretary

Dunsmuir, Mich., Aug 7-1893.

Regular meeting of the Board at rooms in the Cap-
itol.

All members present but the Governor.

Minutes of previous meeting were read and
resolution regarding the appointment of the President
and Prof. of Agriculture were amended so that the ap-
pointment take effect August 30. instead of Sept. 1st

Pres. Clute presented the following.

From Prof. Taft. asking appropriation for dam.

Resolution for the exchange of houses by the Prof. of
Hort. and Prof. of Agriculture.

Resolution for fitting rooms in the Bee house for a
schoolroom.

Resolution for fitting, kalsomining and painting
in the Chemical Laboratory and kalsomining the
Library. All the above resolutions were referred to
the committee on Buildings and Grounds.

Prof. Breckinridge asked for repairs to the steam
and Water Works. Referred to committee on Mech. Dept.

The plans for the addition to the house of the
Prof. of Hort. and for the foundry were presented

Prof. Harwood
resignation accepted

Clinton D. Smith
elected Prof. of Agri^c

Secretary to procure
plans for improve-
ments on buildings

Appointment of Pres
& Prof. of Agri^c to take
effect Aug 30-93

Fitting rooms in
Bee house

All of the above were
referred to com. on Bldg.
& grounds

Repairs to steam &
water works asked for

Plans for addition to house
of Hort. & foundry presented

and referred to the committee on Buildings and Grounds.

Resolved that the rooms in Howard Terrace to be vacated by Prof. McNair be assigned to Prof. Woodward.

A communication from the committee on Education, of the State Grange, regarding the Reading Guide was presented by Mr. Garfield and was referred to the committee on Institutes and Pro. Horton.

The Secretary presented a communication from Lieut. Evans of the U.S. Weather Service with a bill of \$5.46 for Zinc Etchings, which was laid on the table and the bill ordered returned without payment.

The Secretary was authorized to arrange with the Western Union Telegraph Company to establish an office at the College without expense to the College.

Resolved that a second edition of 5000 copies of Bulletin #94. Experiment Station be printed.

Adjourned to meet at the college at 9.00 A.M.

Tuesday, Aug 8th 9.00, A.M.

Board met as per adjournment: all members present except the Governor.

Application of Club C. to use gasoline stove was refused.

Resolved that no gasoline stoves be allowed in the halls or club rooms at the College.

The resignation of Prof. F. H. McNair as Asst. Prof. of Mathematics was received and accepted and ordered placed on file.

The bond of J. H. Butterfield as Secretary was presented and accepted and ordered filed with the Secretary of State.

Mr. Garfield presented the following resolution.

Whereas at the last meeting of this Board a distribution of college funds was made to the various departments for the ensuing six months and. Whereas it is desirable that the Secretary of this Board shall keep in his office a record of the expenses of each department as they are incurred, therefore Resolved that the attention of the heads of all College departments is hereby called to the rule of this Board that all college expenditures shall be made under the direction of the heads of departments, with the advice of the Pres. of the college and upon the requisition from the Secy. of the College. Adopted.

Prof Woodward assign-
and rooms in Terrace

Communication from Com.
on Education of State Grange

Bill of Lieut Evans
for \$5.46 disallowed

Secy to arrange for
Tel. office at
College

5000 copies of
Bulletin #94 ordered

Refused to refund the use
of Gasoline Stove

No Gasoline stove
to be used in halls

Resignation of
Prof F H McNair

Bond of J H
Butterfield accepted
and filed

All expenditures
of College to be
made by the heads
of various departments
and upon requisition
of Secy

Requisition blanks
authorized.

The Secretary was authorized to procure blanks for requisition per the above resolution.

C. F. Moore, appointed

The Pres appointed C. F. Moore on the committee in place of J. H. Lutterfield resigned.

Com on farm report

3 days work

each turn on highway

The committee on Farm and Hort reported in favor of allowing three days work for each team in these departments on the highway. Adopted.

Purchase of Cream

separator defined

Resolved that the purchase of a Cream Separator for the Farm Dept be deferred until the arrival of Prof. Smith, and that he be authorized to investigate and report to the Board at its Sept. meeting.

Bill of Mr Sturgis

damage to boat & loss

of oars.

Mr Sturgis presented a bill for damage to boat and loss of oars which was referred to the Secy & Mr. Lully with power to act.

Finished rooms in Bee

House, to be used for

Childrens School.

Resolved that the two finished rooms on the lower story of the Bee House may be used as a Childrens School until further notice.

9⁰⁰ appropriated

to repair ceiling in

Electric Room

Resolved that Nine Dollars be appropriated for papering ceiling in the Electric Society room on account of damage from leak in roof.

Pres Gorton elected

Director Exp Station

President Gorton was elected Director of the Experiment Station.

100⁰⁰ appropriated

for Reading Circle.

Com. Mumford, Taft

& Pres Gorton.

It was resolved that we continue the work of the Reading Circle, and that the committee on the part of the College be Prof. Mumford, Prof. Taft and Pres. Gorton, and that a sum not exceeding One Hundred Dollars be appropriated from Institute. Appropriation for clerk hire and other expenses connected with this work.

College carpenter

under immediate

charge of Secy.

Construction of walks

referred to Pres Gorton,

Taft Secy, with power

It was resolved that until further orders the college carpenter be under the immediate charge of the Secretary of this Board.

Construction of walks

referred to Pres Gorton,

Taft Secy, with power

Resolved that the construction of walks be referred Pres. Gorton, Prof. Taft, and the Secy. with power to contract.

3⁰⁰ per week for

board of farm hands

The Farm committee reported in favor of allowing the Farm Foreman, Three Dollars per week each. for board of farm hands to date from April 1st 1893. Report adopted.

Kalsomining in Chem

Laboratory & Library

under direction of

Secy

Resolved that the painting and kalsomining in the Qualitative room in Chemical Laboratory, and the ceiling of the Library be done under the direction of the Secretary.

The repairs to the President's house were ordered to be made by the Secretary.

The committee on Buildings recommended the adoption of the plans for the addition to the house of Prof. of Hort. and that the work be done under the direction of the Secretary and Prof. Taft.

Resolved that this Board desires it understood by all college employees, that in the making of changes in sewers, drains, water pipes and other repairs requiring the disturbance of soil upon the grounds, no movement of earth be made unless authorized by the President of the college and done under the direction of the Prof. of Hort. who is the Supt. of the Grounds.

Resolved that Pres. Clute be excused from college duties after Aug. 15, 1893.

Resolved that the Secretary be authorized to select his assistant subject to the confirmation of this Board.

Resolved that F. B. Mumford be elected Asst. Professor of Agriculture at a salary of One Thousand Dollars per annum, to date from June 1st 1893. at which time he began the duties of the position.

Resolved that Pres. Gorton be authorized to nominate to the Board an assistant to the Director of the Experiment Station at a salary of Five Hundred Dollars per annum. to date from Aug. 15-1893.

Resolved that Pres. Gorton and Prof. Smith be authorized to employ two assistants in the Agricultural department of the Experiment Station and report to this Board.

Resolved that Pres. Gorton be authorized to select an Asst. Prof. of Mathematics and Engineering and report to this Board.

Resolved that the N.E. room lower floor of Bachlors Hall be assigned to the clerk of the Secy.

The resignation of L. P. Buckinridge as Prof. of Mechanics & Engineering was received and accepted and ordered placed on file.

Resolved that H. O. Hedrick be appointed Asst. Prof. of History and Political Economy at a salary of Five Hundred Dollars per year to begin Sept. 1st 1893.

Pres. Gorton nominated H. M. Howe as Asst. to the Director of Experiment Station. Approved.

Degree of
Bachelor of Science
conferred.

Resolved that the degree of Bachelor of Science be conferred on the following persons that have passed the course in the Agricultural and Mechanical Departments of the College.

Benj. Franklin Bain.
Luther Henry Baker
Geo. Washington Benjamin.
Sherman. John Blake
Lyman. James. Briggs.
LeRoy. Carlton Bristol.
Alton. Cyrell. Burroughs.
Daisy. Edna. Champion
Claudius. Pidelman. Chapin.
Albert. Blackmar. Chase.
Fred. Purcell. Clark
Lucy. Meryles. Clute.
Dwight. Cole.
Albert. Baldwin. Cook.
Katharine. Elizabeth. Cook
Jennie. May. Cowley.
Dick. J. Crosby.
Willard. Dawson. Cummings.
Harry. Milo. Goss.
Elmer Byron Hale.
Oscar. Phil. Hall.
Hm. Emanuel Harvey.

Vilpes Pentic Hedrick.
Clarence. Elmer. Holmes.
Warren. A. Mayfield.
Edward M. McElroy.
Hendell. Paddock.
Otto Hugo. Payleons.
Herbert. Frank. Palmer.
William Walter Parker.
Joseph. Perren. II.
Edwin. Charles. Peters.
Robt. Benjamin. Pickett.
Frank. James. Porter.
Emile. Smith.
Williams. L. L. Smith Jr.
Valmore Laverne Steward
Abra. True. Sterne.
Ernest. Noyes. Thayer.
Will. H. Lbridge. Tracy.
Lucius. Whitney. Watkins
Mary. Lillian. Wheeler.
Justin. Thayer. Wright.
Vernon. Justin. Willey.

Degree Master of
Science conferred on
De Barr, Lawrence,
and Matthews.

Resolved that the degree of Master of Science be conferred on Edwin. De Barr, L. C. Lawrence, and J. H. Matthews.

Degree of LL.D. con-
ferred on Pres. Clute.

On recommendation of the Faculty the honorary degree of L. L. D. was conferred on Pres. Clute.

Degree of Master of
Horticulture conferred on
Henry E. Reynolds.

On recommendation of the Faculty the honorary degree of Master of Horticulture was conferred on Henry E. Reynolds.

Next meeting of board

to be Sept 4, 1893.

Commencement music

to be appropriated for
same.

Repans. T. Williams

Wells and Abbott Hall

Resolved that when the Board adjourns it be to meet at their room in the Capitol on Monday Sept. 4, 1893. at 7.00 P.M.

Resolved that Twenty Five Dollars be appropriated for music at the commencement exercises.

Resolved that the corridors and stair ways in Williams, Wells and Abbott Hall be also-

authorized

mined and painted under the direction of the Secretary and Pres. Gorton.

pay roll for Aug

Minuted paid Aug 14

Resolved the Secretary is allowed to pay the monthly pay roll for August on the 14th. of August.

Relative to Librarian

Salary

Vacancies that

may exist in Mech

dept to be filled by

Pres. Comm. Employees

1000 copies of

Parcalumate Summ

orderville provided.

A communication from the Library committee of the Faculty was received, relative to the salary of the Librarian and placed on file.

Resolved that the President of the College and the committee on Employees be authorized to fill any vacancy that exists or may exist in the Mechanical Dept. and report to the Board at their next meeting.

Resolved to print one thousand copies of the Baccalaureate sermon and addresses of Pres. Clute and Pres. Gorton at the Commencement exercises.

Adjourned to Sept. 4, 1893.

Watt. Butterfield
Secretary

Dansing, Mich. Sept. 4 - 1893.

Board met pursuant to adjournment. at their rooms in the Capitol.

Members present. Garfield, Chamberlain, Glidden Phelps, Moore and Gorton.

In the absence of Pres. Wells, Mr Chamberlain was called to the chair.

Minutes of the previous meeting were read and approved.

Matter of Weather

presented

Plans for stone walks

presented referred to

on Bldg & grounds

Mr. Garfield & Dr. Beal

look after Coll. interest

Forestry exhibit at Chicago

Relative to building

Foundry

Request for chairs

Physical Class Rm

Relative to repairs

to Steam Water Works

Leut. Evans of the Weather Service again presented the matter of the State Weather Service.

Pres. Gorton presented the plans for the artificial stone walks and they were referred to the committee on Buildings and Grounds.

Resolved that Mr. Garfield and Dr. Beal be instructed to look after the interests of the College in relation to the Forestry exhibit of the State at Chicago.

Resolved that the Foundry be built within the appropriation under the direction of the President, Secy and Prof. Neil.

A request for chairs in the Physical class room was referred to the committee on Buildings.

A request for repairs to the Steam and Water Works to the amount of Sixty Five Dollars for repairs of river connection of pumps and One Hundred Forty Dollars for

repairs of the Fire Pump was referred to the committee on Buildings and Grounds

Relative to appointment
of George Chomest as
State Analyst

The matter of appointment of College Chemist as State Analyst was brought to the attention of the Board and was referred to a special committee of Pres. Gorton, Mr. Moore, and the Governor.

Relative to H. L. Ross-
man, rooms and
increase of salary.

Pres. Gorton presented a communication from H. L. Rossman, relating to rooms and increase of salary. Referred to committee on Employees.

Relative to the pur-
chase of Mr. La Val
Cream Separator.

The Prof. of Agriculture was recommended the purchase of the Dr. La Val Cream Separator at a cost of One Hundred Dollars.

Relative to app't
of A. J. Stevens

President Gorton reported the selection of Mr. A. J. Stevens as Asst. in the Agricultural Dept. of the Experiment Station at a salary of Five Hundred Dollars per year from Sept. 1 - 1893.

Relative to app't
of S. J. Crosby.

President Gorton announced the selection of Mr. S. J. Crosby as Asst. in the English Dept. at a salary of Five Hundred Dollars per year to commence Sept. 1 - 1893.

Relative to app't
of Chas. L. Weil

The committee on Employees reported the election of Prof. Chas. L. Weil as Prof. of Mechanics and Engineering at a salary of Eighteen Hundred Dollars and house to commence Sept. 1st, 1893. Approved.

Relative to app't
of Paul M. Chamberlain

Pres. Gorton reported the election of Mr. Paul M. Chamberlain as Asst. Prof. Mechanical Engineering at a salary of One Thousand Dollars per year to commence Sept. 1, 1893. and also rooms. Approved.

Further time granted
com for selection of
1st Asst in Ag. & Ex.

It was resolved that the committee have further time in the selection of the first assistant in the Agricultural Dept. of the Expt. Station.

Relative to app't
of Warren Babcock

Pres. Gorton reported the selection of Mr. Warren Babcock as Asst. Prof. of Mathematics at a salary of One Thousand Dollars per year and rooms to commence Sept. 1 - 1893. Approved.

Relative to app't
of J. M. Hatch

Pres. Gorton reported the selection of Mr. J. M. Hatch as Instructor in Mathematics at a salary of Five Hundred Dollars per year and rooms to commence Sept. 1, 1893. Approved.

Retirement of A. R.
Curtis

Pres. Gorton reported the retirement of A. R. Curtis as Foreman of the Wood Shop.

Relative to sewers
& drainage Howard
Taber

The plans for sewers and drainage of Howard Taber were presented and referred to the com-

Committee on Buildings and Grounds.

Relative to Dairy
Room

Request of Prof. Smith for fitting rooms for dairy was referred to the committee on Farm Management.

Plans for the
Hospital

Plans for the hospital were presented and referred to a committee of Pres. Gorton, Secy. Butterfield, and Prof. Vedder. Adjourned till 9.30. A.M. at the College.

College. Sept. 5, 1893.

9.30. A.M.

Board met at the College pursuant to adjournment. Same members present.

Relative to Bill

Mr. Burfield of the committee on Finance reported on the bill of Dr. C. M. Dickson for medical services and asked further time.

Relative to
Dairy room

Committee on Farm Management asked for further time to consider the matter of a dairy room.

Relative to

Committee on Buildings and Grounds reported in favor of the plans for drainage of Howard Terrace and sewerage system, as reported by the Engineering Dept.

Sewers & drainage

Resolved that the construction of sewer, and drainage of Howard Terrace be placed in the hands of the President and Secretary with authority to make such modifications as may seem best, and that the Engineering Dept. be instructed to assist this committee when called on for this purpose.

of Howard
Terrace

Relative to

The committee on Buildings and Grounds reported approval of the plans submitted for the Artificial Stone walks and the report was adopted.

Stone walks

Plans approved

Relative to

Committee on Employees recommended that the selection of a Foreman of the Wood shop be referred to the President and Prof. Weil with power to employ.

Foreman of

Wood Shop

Relative to H. & Rossman

The same committee recommended that the communication of Mr. Rossman asking for an increase of salary from Sept. 1-1893 be laid on the table. Adopted.

Salary

Appropriation to

The committee on Weather Service reported in favor of making a small appropriation for the preservation of statistics.

Weather Service

Resolved that the sum of One Hundred Dollars per year for the years 1893-4 is hereby appropriated from current funds for the maintenance of meteorological instruments now in the hands of voluntary observers and the preservation of statistical matter obtained by the director of the State Weather Service, secured through the

records of his voluntary assistants, to be paid by the Secretary upon bills approved by the Director of the Service.

\$11.60 appropriated
to Director of the
Weather Service

Resolved that the sum of \$11.60 is hereby appropriated from current funds to reimburse the Director of the State Weather Service for the expenses of plates used in two monthly bulletins.

Notice of meeting of
Agst Colleges and
Exp Sta at Chicago

The chairman presented the notice of the meeting of the Agricultural Colleges and Experiment Stations at Chicago.

Pres. Lorton was elected delegate from the Station and Pres. Wells from the College. Prof. Smith and Taft and all members of the Board who may be present were elected additional delegates.

Meeting of the
Board to be held in
Chicago

Resolved that the next meeting of the Board be held in Chicago Oct. 17th. at such place as the Secretary may select.

Purchase of chairs
for Physical Laboratory
authorized

Resolved that the chairs for the classroom of the Physical Laboratory be purchased by the Pres. Secretary and Prof. Woodward at a cost not exceeding One Hundred Dollars.

Relative to employ-
ment of A. C. Gladden
as Instructor for Winter
of 1893-4

Resolved that A. C. Gladden be employed to arrange and manage the series of Farmers Institutes for the winter of 1893-4, under the direction of this Board and that the compensation be at the rate of \$2.50 per day for such service.

Relative to the
Co-operative Dairy
association.
Appropriation
revoked

Resolved that the Chairman of the Finance committee be requested to investigate the proposition of the managers of the Co-operative Dairy Experiment at Chicago, to give exclusive right to the use of the results of the experiments to certain stations on the payment of a certain sum, and if this station is to be denied the use of these results the Secretary is instructed to withhold the One Hundred Dollars heretofore appropriated.

Relative to the
assignment of
rooms in Howard
Hall

Resolved that the President and Secy. be directed to make such reassignment of rooms in Howard Terrace, without regard to the present assignment, as the accommodations of the college employees require.

Relative to repair
to dam.

Resolved that the repair of the dam be referred to the President, Secretary and Prof. Taft with authority to do what seems best after due consideration.

Appointment of R. C.
Bradley, asst. Secy

The Secretary announced the appointment of Mr R. C. Bradley as Asst. Secy. of the Board. Approved.

Adjourned.

Iratt. Butterfield

Chicago, Illinois. Oct. 17. 1893

Board met at Sherman House at 8 P.M. with all members present except. Gov Rich.

F. D. Bender appia
foreman of Wood Shop

Minutes of the previous meeting were read and approved. Pres. Horton reported the appointment of F. D. Bender as foreman of the Wood Shop at a salary of \$650.00 per year to commence Sept. 1st 1893. The appointment was confirmed.

Resignation of A. L.
Gulley received.

The resignation of A. L. Gulley as Foreman of the Gardens was presented, accepted, and ordered placed on file.

A communication from the Prof. of Agriculture was presented and ordered referred to the Farm Committee.

Dairy room
Secy Desk

The preparation of a room for Dairy work was approved. It was resolved that the Secretary be authorized to purchase a desk at a cost of \$50.00.

Relation to student
labor class in
Veterinary science

Resolved that the class in Veterinary Science be excused from garden labor from Oct. 30th to the end of the term. to do work in practical anatomy in the dissecting room. and such labor be credited as so much student labor.

Relation to bill for
student labor out-
side of required
labor.

Resolved that bills for student labor done for the various departments of the College outside of what is termed as required labor, be charged to such departments and paid for from the funds apportioned them by the Board.

R. J. Coryell Salary
\$650.00

Resolved that the salary of R. J. Coryell be \$650.00 per year after November 1st 1893.

H. P. Gladden
Salary 700.00

Resolved that the salary of H. P. Gladden, Asst in the Hort. Dept. of the Experiment Station be \$700.00 per year after Nov. 1-1893.

Relation to gallery
in Library

Resolved that the gallery in the library be put in under the direction of the President and Secretary as early as the appropriation is available.

Relation to fitting
up of Bee House
for instructor

Resolved that the Bee House be fitted up for the use of an Instructor at an expense not exceeding one hundred dollars, at the discretion of the President and Secretary.

Relation to removal
of April + January

Resolved that the President and Secretary be authorized to receive from the State Worlds Fair Commission on such

exhibit at Jackson
Park Chicago, to
the college

Board to meet at
State Capitol Nov 6-93

Relative to the rental
of the Hospital.

Relative to appt of
chemist for state
analyst

Relative to Institute

terms as may be proposed by the Commission, the
Forestry and Agricultural exhibit at Jackson Park and
employ the necessary help to pack and convey to the
College, such exhibits

Resolved that when the Board adjourns it be to meet
at their room in the Capitol Monday, Nov 6, at 7:30 P.M.

Resolved that the president be authorized to rent the house
used as a hospital under certain conditions.

Pres. Gorton reported on the matter of the appointment
of the Chemist of the College as analyst to the State
Food and Dairy Commission

Resolved that the Chemical Dept be directed to perform
such analyses as may be required by the State Food
and Dairy Commission under act #211 of the Public Acts
of 1893.

The committee on Institute reported progress and asked
for further time on the program.

Adjourned.

Erast. Butterfield
Secretary

Board Meeting November 6, 1893
Board met at the Capitol as per adjournment
All members present except Mr. Moore and
the Governor

President Gorton presented several matters
for the action of the Board, and also
read a communication from the Prof. of
Agriculture relating to a course in
Dairy Husbandry

It was resolved that the thanks of the board
be tendered to Senor. Francisco I San Roman for
the gift of a quantity of Nitrate of Soda
for the gift of a quantity of Nitrate of
Soda for the use of the Experiment
Station.

The matter of grading around the
Foundry, was referred to the committee
of the whole.

The employment of an additional
fireman was referred to the committee
on employees.

Dairy
course

Thanks to
Senor San
Roman

Grading about
Foundry

additional
fireman

Application of W. H. Grosbeck for increase of salary.
Relative to administering

The application of W. H. Grosbeck for increase of salary was referred to the committee on Employees

It was resolved that the President of the College be authorized to advertise at his discretion in the Mich Moderator, Michigan Farmer and Grange Visitor.

Degree of Master of Science conferred on Geo L Teller

It was resolved that on the recommendation of the Faculty the degree of Master of Science be conferred on Geo L Teller.

Leave of absence to Hollisworth and Woodward

It was resolved that leave of absence during vacation be granted to Professors Hollisworth and Woodward.

Relative to moving building containing feed grinder

It was resolved that the Farm Dept. be authorized to move the building containing the feed grinder and engine, to a location south of the Bath House and to connect with the steam pipes from the boilers.

Relative to room for Tau Beta Pi Fraternity

It was resolved that the room in the Mechanical Laboratory be given to the Tau Beta Pi Fraternity for use as a society room but that the repairs for the same shall not be charged to the College.

Adjourned to meet at the College at 9.00 A.M.

College, 9.00 A.M., Nov. 7th, 1893.

Board reconvened as per adjournment with the same members present,

Relative to short dairy course during Jan & Feb

It was resolved that a short dairy course of six weeks be established as proposed by the Prof. of Agriculture, to be conducted during Jan. and Feb. in vacation.

Basement of agricultural laboratory to be used for dairy purposes. \$350.00 appropriated for the fitting up of the same

It was resolved that the basement of the Agricultural Laboratory be devoted to the purpose outlined by Prof. Smith in the establishment of a short course of Dairying, and that a sum not exceeding \$350.00 is hereby appropriated from the repair and building fund for the purpose of fitting up the Dairy room and equipping the same.

Relation to the appropriation for Dairy room

Resolved that so much of the above appropriation as shall be necessary to properly fit the Dairy room be taken from the repair and building fund, and so much as shall be expended for the equipment of the room be taken from the current funds apportioned to the Agricultural Dep.

Relation to funds received for rental of rooms in the dormitories,

It was resolved that beginning with the next College term that the receipts from the rental of rooms in the dormitories be passed to the credit of the building and repair fund, until further action by this Board.

Relation to College Catalogue, and expense of same

It was resolved that the Secretary is hereby authorized to pay the expense of issuing the present edition of the College catalogue \$475.00 from the current funds thus relieving the Apportionment to the office for the present six months, of this expense, as it was not considered when this apportionment was made.

Relation to grading about farm.

It was resolved that the grading about the Foundry be done ^{under} the direction of the President and Secretary.

Relation to the cutting of timber

It was resolved that the timber be cut under the supervision of the Supt. of the Farm with the view of preserving the sound and growing timber.

Relation to W.D. Grosbeck salary

It was resolved that in consideration of extra work being done by W.D. Grosbeck that he be paid \$17.50 per month in addition to his present salary, beginning Nov. 1st. 1893.

Additional help as fireman

It was resolved that the President and Prof. Weil, be authorized to engage additional help as fireman at a cost not exceeding \$30.00 per month.

New Steps at East entrance College Hall

It was resolved that the Secretary be authorized to construct new steps at the east entrance to College Hall.

Relation to special appropriation to Mechanical Dept.

It was resolved that the special appropriation to the Mechanical Dep. shall be devoted to the equipment of the Foundry under the direction of the President of the College and Prof. Weil.

It was resolved that the thanks of this Board

Thanks of Board
extended to T. J. Lyon

one hereby extended to Hon. T. J. Lyon for his thoughtfulness in remembering us so pleasantly with baskets of fruit from the Sub. Station at Smith Haven.

Relation to Dynamo
Engine & the
specifications for
lighting

It was resolved that the action of President Lorton in securing a Dynamo and engine be approved and that the same be placed in position and that the specifications for lighting be presented at the next meeting of the Board.

Resignation of
Prof A. J. Cook
presented & accepted

The resignation of Prof. A. J. Cook of the Dep. of Zoology and Entomology was presented, accepted and ordered placed on file.

Garfield to prepare
resolution on Prof
Cook's resignation

On motion Mr. Garfield was requested to prepare suitable resolutions on the resignation of Prof. Cook and present them to the Board at their next meeting.

Relation to Prof
Cook's successor

The selection of a successor to Prof. Cook was referred to the committee on employees with power to act.

Prof. A. J. Cook
Salary to Jan. 1-94

It was resolved that the salary of Prof. Cook be paid until January 1st, 1894.

Board to
meet Dec. 4. 93
at rooms at Capitol

It was resolved that when the Board adjourn it be to meet at their room in the Capitol on Dec. 4, 1893 at 7.30 P.M.

Question of
moving building
containing feed granary

It was resolved that the question of moving the building containing the Feed Granary or of building a new one be placed in the hands of the Secretary and Prof. Smith with power to act.

Relation to place
for Poultry
Department

It was resolved that the President of the College be requested to prepare a plan for adding a Poultry Department and submit the same to the next meeting of the Board.

Adjourned.

Lansing, Mich, Dec 4th, 1893.

The Board met at the Hudson House by unanimous consent at 7.30 P.M.

Members present, Wells, Garfield, Glidden, Moore, Gorton and Secretary.

Report from Prof.
of Agriculture

President Gorton presented a report from the Professor of Agriculture.

Relation to the
herds of beef breeds
of cattle & milk
breeds

It was resolved that the matter of the reduction of the herd of beef breeds of cattle and the increase of the milk breeds, be referred to the President of the Board, The President of the College and the Secretary, who with the Professor, shall have full power to act.

Relation to Books

President Gorton reported that the books held in the several departments of the College are not catalogued in the library and recommended that they be so catalogued.

Relation to purchase
of books for special
use of departments

It was resolved that all books purchased for the special use of any of the departments of the College, be purchased on requisition out of the funds of the department interested and be catalogued in the library.

Advertising

President Gorton was authorized to advertise in the American Cheese maker.

Flooring of wall
in Wood Shop
authorized

The flooring of the wall in the wood shop was authorized under the direction of the President and Prof. Weil.

Relation to Poetry
Department

The matter of a poultry department was deferred till the next meeting.

Relation to Prof
of Zoology & Ento-
mology

The committee on Employees reported that there were several applicants for the department of Zoology and Entomology and that no selection had been made.

It was resolved that all books purchased for the special use of any of the departments of the College, be purchased on requisition out of the funds of the department interested and be catalogued in the library.

It was resolved that the report of the committee be received and that the President of the College be authorized to investigate in regard to the qualification of the two most promising candidates with power to select according to his judgment.

It was resolved that the Secretary be authorized to make certain corrections in the inventory of the College property as he may in his judgment deem best.

At the last meeting of this Board Mr. C. H. Garfield was chosen to draft a resolution expressive of the feeling of this Board in parting with the services of Prof. A. J. Cook and presented the following which was ordered spread upon the minutes, and the Secretary ordered to forward an engrossed copy to Prof. Cook.

Resolved that in the resignation of Prof. Cook we lose an enthusiastic, faithful, and efficient member of the college faculty; a man whose influence has been exerted during his long service at the College on side of right living and earnest doing.

His ability to inspire an ardent zeal among students has characterized his work at the college and has been thoroughly appreciated by this Board.

His work in various avenues of usefulness has brought power to the College and well-earned fame to himself. In parting with him the college loses in its internal life the cherished influence of a strong friend, the immediate example of a courteous gentleman, and every person in any way connected with the life of the Michigan State Agricultural College will feel keenly the loss sustained through his transfer to another field of usefulness.

In bidding Prof. Cook farewell the State Board of Agriculture extends to him and his family its warmest regards and its best wishes for all those attributes of life in their new home which will bring to them the keenest delight.

A communication from the Prof. of Agriculture recommending that the services of the local superintendent

Relation to the
College Inventory

Resolution
expressing the
feelings of the
Board toward
Prof. A. J. Cook

Disparaging with
General

Superintendent of
Chayling Station of the Gayling Station be dispensed with after
Dec 30th, 1893. The recommendation was adopted and the
Prof. of Agriculture authorized to dispense with such
services

Memorial of Dr. Baker asking that
Prof of Hygiene & Sanitary Science at the College.
The memorial was received and laid on the table
for further consideration.

The Board adjourned to meet at the Capitol Jan. 5th
1894 at 7.30 P.M.

Lansing Mich. Jan 22. 1894.

Board met at the Hudson House, the date having
been changed from January 5th by consent.

Members present, Wells, Chamberlain, Moore, Gorton and
the Secretary.

The reading of the minutes of the previous meeting
was dispensed with.

Relation to Prof of
Zoology & Entomology The President brought up the matter of the
appointment of a professor of Zoology and Entomology.

W.B. Barrows app'd
Salary \$1800.00 & house
It was resolved: That Prof. W.B. Barrows be offered
the chair of Zoology and Entomology at a salary of \$1800.00
and house.

Resignation of
G.H. Hicks The resignation of G.H. Hicks was received and accepted.

President to select
asst in Botany It was resolved: That President Gorton be authorized
to select an assistant in Botany in place of Gilbert H.
Hicks resigned.

Relation to the
establishment of
Poultry Department It was resolved: That the establishment of a
Poultry Department be referred to the President and Sec-
retary with power to act according to their judgement.

Mr. Stearns
transferred to College work
It was resolved: That Mr. Stearns be transferred to
college work and that his salary be paid from