
Board met pursuant to adjournment.
All present but the Governor.
Minutes of the meeting of Dec. 13 and 15 were read and approved.

Dr. Peal. A communication from Dr. Peal was read and communication placed on file.

Thaddeus Fair and

James

Eldred

Eldred

Fair

Committee of
salaries
between the
College and
Exp. Station.

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

It was resolved that the President of the Board and the chairman of the committee on employees be appointed a special committee to apprise into the adjustment of salaries between the College and Experimental 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 commence.

It was voted that the vote be reconsidered by Dr. Strong and which Dr. Strong was instructed not to accept control of the Veterinary exhibit at Chicago. The matter was laid on the table till morning.

Adjourned to 9 A.M. at the Capitol.


Board reconvened with same members present.

Bus paid.

It was resolved that the price paid for cleaning for cleaning at the College & be limited to 10¢ per hour, and that the chairman of committee on finances be instructed not to approve any such bills at a higher rate.

And voted.

It was resolved that no more wood be cut on the College farm this winter. Also that pit short-horn heifers be sold under the direction of the Farm Committee. Also that not to exceed 50¢ be put in the disposal of the farm committee.

Wood.

It was resolved that the motion to make Mr. Tow-

ANT Reg.

Davis.

Also that the application of Mr. Davis for an increase

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ANT Reg.

Davis.
It was resolved that Mr. E. A. Holden be authorized to look over and re-appoint college lands for the
purpose of the proposition made by him, to re-consider the arrangement of lands on Benzie, Otsego, and Grand-
Traverse counties, in counties hereafter to be named
and report as his earliest convenience.

Resolved that the Board of Michigan prepare the next
book published as an Experiment Station bulletin
be used for illustrations

Bird Bulletin

Ordinance Present

Agreement Present

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.

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

Resolved that $575 be appropriated for the purchase of
forms and mate for photographs and drawings
from the Free Hand and Zoological departments for
the Columbian Exposition.

Resolved that $575 be appropriated for the purchase
of 13th species, Helianthus phagus.

Resd. at 3 P.M. Henry A. Boyer.

January 4 1891.

Board reconvened with some members present.

It was resolved to take from the table the question of
Dr. Stone's care of the Veterinary Exhibit at the North
Fair. As a substitute for the resolution adopted at
the last meeting, it was resolved that Dr. Stone be re-
guested to take charge of the Veterinary Exhibit in the
Co-operative Experiment Station Exhibit at the Colum-
bian Exposition in accordance with the resolution of
R. P. granite, Chairman of the committee.

Resolved that the heads of the departments of Agriculture,
Horticulture, Botany, Zoology, Veterinary and Chemistry
are hereby requested to contribute to the 100 fee of
College space in the Michigan State exhibit, and
as they are able.

Resolved that Biologists and botanists be requested to corre-
pond with Mr. David Woodman and learn the

S. Woodman
lowest sum for which he will prepare his grass. 
It was resolved that, as far as we have the material in hand, we comply with the request to participate in the cooperative College exhibit at the World Fair. 

Board adjourned. All present, but the Governor of the Phila. 

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

For the Experiment Station.
- Farm Dept.: Mr. Very, Mr. Baker.
- For the Olumani Exposition: Farm Dept. 
- Museums: Woodworth, Scott, Hall, Alender.
- Botanical Dept.: Museums: Dooling and Andrews, part time, on horticultural work for the college.
- Entomological Dept.: Mrs. W. Albring, half time.
- For the Library: Museums: Lake, Brooks & Sue.
- General Exhibit: Dooling, Mr. Stetson.

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.

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 accounts, 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 Friday, January 16th, at 7:30 A.M.

Henry H. Regnolds.
January 5, 1892

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

The committee charged with the duty of placing on the records of the State Board of Agriculture words expressive of the feelings of the members of the Board concerning the loss of Dr. Abbot, reported the following:

For the death of Dr. Abbot we are reminded of an imposing life worked 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-dedicated and persistent labor to bear forward its interests, and during the darkest days of its history, never for one moment wavering 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 once unpopular with educators, and was appreciated by those in whose especial interest it was worked, his whole command the respect and confidence of all, and loved to see his own method adopted throughout the nation. His name will always be identified with our college as its building spirit. And whatever of honor, power, or influence it may acquire on the side of industrial education will have its foot in the mantle given it by Dr. Abbot while he occupied its executive chair.

The desire thus to express our conceptions in the recorded manner 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 Wells.
Chas. W. Cassfield.

Committee
Ann Arbor, Mich., June 5, 1892.

The committee appointed by the Board of Agriculture at its meeting this day, on Ann Arbor, to apportion the resources of the college for the balance of the fiscal year for current accounts, experiment stations, and World's Fair, and consisting of the secretary of the Board, the chairman of the Finance Committee, and the chairman of the Finance committee, met at the college and unanimously agreed upon the following apportionment.

World's Fair Funds.

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>The models of fruits and vegetables</td>
<td>$500.00</td>
</tr>
<tr>
<td>Expenses of transportation, installation, and attendance after leaving the college</td>
<td>$120.00</td>
</tr>
<tr>
<td>Farm Dept. Fund</td>
<td>$400.00</td>
</tr>
<tr>
<td>State Fund</td>
<td>$200.00</td>
</tr>
</tbody>
</table>

The ranges and Messrs. Woodworth, Scott, Hall, and Wellington to come out of these accounts, also the proportion of $10,000 in the stipulated labor.

Horticultural Dept., including one-half stipulated time $150.

Chemical Dept.                                $300

Zoological Dept.                               $200

Botanical Dept., including time of Dedrick and Andrews, one-half stipulated time $150.

Veterinary Dept.                               $200

Farmers' Club (photographs), Mr. Hand's zoological drawings, $15, 75.

Examinations papers                            $25.

Contingent Fund                                $25.

Total balance remaining unexpended, January 1, 1892 $754.87

The above apportionment to include all expenditures for the exhibits for 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 $2,910.

Farm Dept., including all labor fees $350.

Chemical Dept.                                $225.

Collection of commercial fertilizers, samples $115.

Botanical Dept.                               $60.

Zoological Dept.                              $15.

Sampling sub-station $100. X Mr. Palmer, salary $150 $250.

Total $5,315.
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward</td>
<td>£555.50</td>
</tr>
<tr>
<td>South Annex, Sub-station, $50.    100.</td>
<td></td>
</tr>
<tr>
<td>Library, lending books, zoological books, $5.  5.  5</td>
<td></td>
</tr>
<tr>
<td>Veterinary exhibit &amp; Origami exhibit, £5.  5.  5</td>
<td></td>
</tr>
<tr>
<td>Contingent Fund, £220.</td>
<td></td>
</tr>
<tr>
<td>Total available June 1 to June 30, 1872.             7020.00</td>
<td></td>
</tr>
</tbody>
</table>

**Current Account Funds**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm Dept. Labor at Farm House, £120.</td>
<td></td>
</tr>
<tr>
<td>Farm, tools, repairs, feed, limes, stock, &amp; all other plants, £100.</td>
<td></td>
</tr>
<tr>
<td>Horticultural Dept. Labor, seed, vegetables, &amp; seed, £10.</td>
<td></td>
</tr>
<tr>
<td>Farm, tools, repairs, seed, fruit, 33c, greenhouses, £550.</td>
<td></td>
</tr>
<tr>
<td>Mechanics Dept, including wages of Paul Theodore and all expenses for apparatus and other purposes, £750.</td>
<td></td>
</tr>
<tr>
<td>Heating, Lighting, Cleaning, £360.</td>
<td></td>
</tr>
<tr>
<td>Other, Cleaning, at not to exceed 10s. per hour, £20.</td>
<td></td>
</tr>
<tr>
<td>All other expenses including Pay Roll, £10.44.</td>
<td></td>
</tr>
<tr>
<td>Pay Roll, including Curators, Superintendent, Newman, $55.</td>
<td></td>
</tr>
<tr>
<td>Also, including Miss White, 60. Miss Davis, 40.</td>
<td></td>
</tr>
<tr>
<td>Library, including Messrs. White, G. H. &amp; Davis, 60.</td>
<td></td>
</tr>
<tr>
<td>12 months, and 6 months 1 month, £650.</td>
<td></td>
</tr>
<tr>
<td>Chemical Dept.</td>
<td></td>
</tr>
<tr>
<td>Botanical Dept, including 37s per binoculars, £550.</td>
<td></td>
</tr>
<tr>
<td>Geological Dept, including 70s per month, £100.</td>
<td></td>
</tr>
<tr>
<td>Physical Dept.</td>
<td></td>
</tr>
<tr>
<td>Military Dept.</td>
<td></td>
</tr>
<tr>
<td>Medical Dept.</td>
<td></td>
</tr>
<tr>
<td>Mathematical Dept.</td>
<td></td>
</tr>
<tr>
<td>Shooting Dept.</td>
<td></td>
</tr>
<tr>
<td>English Dept.</td>
<td></td>
</tr>
<tr>
<td>Office postage, printing, stationery, Advertisements, Laundry, fees, Telephone &amp; telegraph, stenographer, &amp;c</td>
<td>£90.</td>
</tr>
<tr>
<td>Miscellaneous, Maps, books, kind, appraisal, &amp;c, $392.50</td>
<td></td>
</tr>
<tr>
<td>Building fund, 37th St. $120, S. Langham, $273, Sunday, £55</td>
<td></td>
</tr>
<tr>
<td>Contingent fund, £2.00.</td>
<td></td>
</tr>
<tr>
<td>Total, £3359.50</td>
<td></td>
</tr>
</tbody>
</table>

The above are placed as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical Dept. including Curtis, Newman, &amp; Davis, £550.</td>
<td></td>
</tr>
<tr>
<td>Not including Paul Theodore, Miss White, G. H., &amp; Davis, £90.</td>
<td></td>
</tr>
</tbody>
</table>
Luce, Brooker, Scott, Woodworth, Paddock, Andrews, O.B. Hall.
Kearney, J. H. Baker, Melander, or Bevan.
Post Office Dept., Postmaster in the Bannister.
166.4.
Total.
210.
Heat, Cleaning & Lighting, Elgeton, Blood, Adams, Ogden, & Co.
Total.
176.52.00

Henry L. Reynolds.
Chas. F. Lanfear.
I. H. Burtfield.

Commitee.

Lansing, Mich. Jan 26, 1873.

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. C. Chamberlain 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 1873, be declined in view of the World 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 L. Reynolds.
Lansing, Jan 27, 9 A.M.

Board recommends all present but the Seniors and Mr. Chamberlain.

It was resolved that the secretary have a set of reports for the Co-operative College exhibit, and a set of text books, if the funds can be obtained for the same, with or else, to 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 buy the apparatus as contemplated in the report, and to employ a physician at its discretion.

1 This resolution referred to was adopted by the faculty Jan. 25th in fullness.

The Faculty shall secure the service 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
shall pay all charges for physicians, 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 re-
quired to accept such services provided he employs another
physician whose charges he shall pay out of his own funds.
Patients shall be sent to the hospital only by order
of the physician except in cases of emergency, where they
may be sent there temporarily by the president. The physician
to determine whether or not they shall continue for the
hospital.
4. 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.
5. If any person except for the discharge of his official duty
shall voluntarily expose himself to infections or contagious
disease, he shall be quarantined in the hospital there-
for. He shall defray the expense for such detention from
his own funds.
6. In cases of a severe epidemic, or the hospital charge
including nurses and disinfection shall exceed the funds
for that purpose, the expenses 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. Mani-
festly, 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 courses and the loss of public
confidence will more than offset any expenses of a
carefully managed quarantine instituted at the first outbreak.
7. If any balance remains at the close of the year, the
shall remain as a health fund for the succeeding year.
8. This plan shall be considered as tentative only, and
shall remain in force one year.

R. C. Hedger
N. Edwards.
A. A. Taft.
Committee.

 agréable that $500 be paid for a substitute for the
headmen at the time he was away on a vacation.
Receiv. 100 atm.
Board resumed.

It was resolved that when we adjourn it be to Tuesday, March 6th at 7:30 P.M. at the Capitol.

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. W.C. 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 "Quarry."

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

It was resolved that the committee on Worlds Fair be authorized to spend $300 for photographs.

Adjourned to March 6th at 7:30 P.M.

Herschel Reynolds.

Dancing, March 6th, 1893.

(Adjourned 7:30 P.M.)

The Board met pursuant to adjournment.

Names present: Hille, Battefield, Sluyffeld, Elsdon, Phelps,

Chamberlain, Elten, 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 President resulted in 5 votes for Mr. Hancock Hille, and one vote for Mr. Henry Chamberlain.

Mr. Hille was declared elected and accepted the position.

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

Messrs. Elten & Stuyffeld announced on behalf of the Chamberlain Society of the College asking for the rooms of the attic of the Botanical Laboratory.

Messrs. Night and Harry presented an application from the Nipquan Society asking the use of the woodshed formerly occupied by Clark C.

The applications were referred to the committee on Buildings.

It was resolved that the poems granted for illustrations to Roy Cook's bulletin on "The Birds of Michigan" be increased from 8/125.00 to 8/175.00.
It was resolved that Professors Farrand, Taft, Beal, Gray, Coots, Becherly and B. C. Fieldie 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 10:30 A.M. at the College.

Colleg, 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.

The first ballot resulted in 5 votes for Mr. E. T. Davis and 1 vote for Mr. C. B. Ebbesh. Mr. Davis was declared elected.

The Committee on Farm management reported the engagement on Feb. 15th of Mr. Ernest Whitecock 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 625.00 per week, and at 50 cents per meal for transients. 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.

It was resolved that the dept. of the Farm be authorized to cut 27 cords of wood to fulfill contract with Clark.

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

It was resolved that the calves of this year be treated for the prevention of the growth of hogs, under the direction and discretion of the Farm Committee.

It was resolved that Mr. T. P. Mumford be delegated to go to Chicago to purchase the 500 feet of State space for the Agricultural Exhibit and to install the same.

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

It was resolved that the Dept. of the Board, Mr. Butlerfield 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 $1,596 be appropriated for the purchase of articles of military equipment that have been lost.

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 affect adulteration of the same.

The committee on Horticulture recommended the purchase of one team and harness for the Hort. Dept. The report was accepted and adopted.

Resume for now.

College, March 7, 1876.

It was resolved that $250 be devoted from current contingent fund for the purchase of frames for the Botanical Garden.

It was resolved that the Secretary and Chairman of the Finance Committee be authorized to settle with Dr. 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 jointly answerable for their respective portions of the bill.

It was resolved that the expenditure of $800 from the contingent fund is authorized for planks and material for walkways, under the direction of Prof. Taft.

It was resolved that Prof. Taft and the Secretary be requested to procure plans, and bid pricing of two privies at Hills Hall.

It was resolved that the wood shed and stable of Club C be assigned to the Ephebian 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 Board and Secretary.

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

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

It was resolved that $23,800 be appropriated from current contingent fund for the purchase of the following apparatus for the Mechanical Dept. for estimates of Prof. Beeckman.
1. Office Desk. $ 30.00
2. Panometer. 23.00
3. Lazy Tow. 5.00
4. Hydraulic Pump. 17.00
5. New Thompson Indicator Spring 12.50
6. Pyrometers 25.00
7. Steam Pipe Thermometers 12.00
8. Square Engine Compress. 25.00
9. New Platform Scale. 70.00 $335.00

It was resolved that $35.00 be allowed Mr. Selkoum for extra labor on the case of Mr. McCullum.
It was resolved that $20.00 be allowed Mr. Selkoum for garments destroyed after Mr. McCullum'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 be as much thereof as may be necessary be appropriated from the current Contingent funds for exhibit of examination papers at the Worlds Fair. Not seconded.

The committee on experiment station made a written report on the work of the current year and expenditures for the fiscal year commencing July 1st 1892. The report was accepted and adopted and ordered placed on file, as follows:

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 1892-3, report and recommend as follows:

That the balance remain as at present.
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.

1. Investigations regarding the cause and prevention of blight in corn, wheat, oats and barley, best methods of treatment of seed, or other methods of prevention. It is recommended that this experiment be kept 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.
III. Experiments with corn, varieties, methods of planting and cultivation, improvement in yield, etc.

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 pod, fall and spring plowed, on clean tilled not plowed, to determine relative yield and cost.

Wheat

4. Think on 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: Sweet Clover

Plate to be 1 Acre or more

Silage

6. Forage plants, and plants for grain manuring, to Jn. Beam, Malcolm C. Rice, Dactylis Glomerata, Squary, etc.

In experiments with grains to test comparative yield, should be in plots of at least one acre. He does 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.

Sheep

7. Feeding experiments. Rape experiments with sheep and lambs. Advise that both sheep and lambs be used in the 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 jarding 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.

SUNDAY EXPERIMENTS RECOMMENDED BY THE AGRICULTURIST AS EFFECT OF SILAGE ON MILK, COMMERCIAL VALUE OF SILAGE &C are advised.

Dehorning

The effect of de-horning may be tested on certain young cattle to be fed. The effect of marrow in wide nutritive ratio of grains 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.

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

1. Smut.
2. Pigs and Sheep and Lamb feeding.
3. Corn.
4. Oats.
5. Feeding experiments other than sheep.
7. Grasses.
8. Forage, and green manuring plants.
9. Dairy experiments.

He recommends that the work for the Chemist as reported
by the Council be adopted and the sum of $100 be ap-
propriated for this work.

He recommends the adoption of the Council report on work
for the Forage Dept., with the addition of the experiment with
potatoes. That the sum of $1,000 be appropriated for labor, material, tools, etc.

Nontist.

The Consulting Botanist is authorized to begin the in-
vestigation of fungi affecting farm and garden crops,
and an examination with the agriculturist to note the
benefit, if any, that may be gained by destroying all prom-
ted plants of corn plants before one acre of ground planted
with corn. This last is properly included in the experi-
ment just named for the Agricultural Dept. The study of

Graying Station.

He recommends that the Graying Experiment farm be
under the management of the Agriculturist of the station
with power to employ a local clerk to act under his di-
rection, at a salary not exceeding $300 per year;
2. That all further experiments be conducted with re-
spect to improving the soil by means of green crops.

Recapitulation

Salaries, etc., amount to $9,120.00
For Agricultural Dept. 2000.
For Horticultural 1800.
For Chemical 400.
For Grayling Farm 600
For Apiary 7720.

Grayling Station.

He recommends that the Grayling Experiment farm be
under the management of the Agriculturist of the station
with power to employ a local clerk to act under his di-
rection, at a salary not exceeding $300.00 per year
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 cultivation of cheap fertilizers known to be useful on such soils, and that crops grown except for grazing on, such as are produced 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 portion 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 farms or other paying crops, at any expense which will warrant its occupancy for farming purposes.

3. That the sum of $600.00 be appropriated for labor and expenses other than salary of lecturer.

He advises that no more land be cleared for the present.

J. D. Butterfield, 
Henry Chamberlain.

Committee.

Adjourned to Monday, April 10th, 7:30 P.M., at the Capitol.

Tenting, Wash., April 10, 1873.

Capitol, 7:30 P.M.

The Board met pursuant to adjournment.

Members present, Mrs. Chamberlain, Butterfield, Sheldon, Phelps, Garfield, Chute, and Governor Beck.

Slocum 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 women's department, and the second providing a regular milk tax.

Geo. S. Thelton, representing the Puget Sound, spoke, asked that the Experiment Station donate $100.00 for year to experiments in apyrax lines.

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

2. Platinum, pure.

1. Air Pumps.

2. Iron Lump Stands.
It was resolved that Dr. Hedge be authorized to erect a temporary glass house for use in experiments with plants in the section of nursery, at a cost not exceeding $75.00.

It was resolved that J. H. Barlow, consulting entomologist of the Experiment Station, is authorized to procure the following:

1. Beetle breeding fare 2.50
2. 1/2 lb.... 5.20
3. 1/2 lb.... 6.50
4. Large exhibit jar for beetles 5.00 20.50

It was resolved that Dr. Lewis is authorized to procure a dehy dryer at a cost of $55.00.

It was resolved that C. B. Hildreth is authorized to procure 100 packets of seed of common weed at a cost of $1,000.

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

Colleg. Apnl. 11, 9 A.M.

Board met pursuant to adjournment.

April Meeting. Some members present with the exception of Geo. Richardson.

Minutes of March meeting were read, and after being amended slightly as to details were adopted.

Rev. Hildreth announced the committee of the Board as follows:

Board Committee


Farm Management: J. H. Barlow, Edna Phillips.


Mechanical Dept.: Henry Chamberlain, C. T. Hildreth.

Veterinary Dept.: C. T. Hildreth, J. H. Barlow.


Experiment Station:

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

Rev. Clute reported that he had under resolution of the Board, appointed Mr. L. C. Davis to exhibit the Educational Exhibit for the College at the World's Fair.

The following communication was read by Rev. Clute:

D. J. Clute.

Agricultural College, Mich.

Dear Sir,

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 at 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 principles and methods of the work of the college 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 half a day and half of each day. In addition to this service, he will be involved in cleaning 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 you to report that the experiment stations detail to you for work on 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.
The committee on Buildings recommended that a privy be placed on the roof of Williams Hall, so as to make the roof accessible without entering through the rooms of a society. Adopted.

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

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

Resolved that P. J. Stack be hereby authorized to buy a horseman for the new garden team at a cost not exceeding $300. Adopted.

The committee on Botany and Hort. to whom was referred the communication from P. J. Stack concerning the purchase of the Conley collection of insects, requested further time to consider the matter. Granted.

It was resolved that Mr. Vandevere be made Cash. P. J. Stammes.

It was resolved that Mr. Clinton be allowed for the next months after April 1st, 1893, at the rate of $12.50 per month by draw of room on the college grounds. To pay for house rent.

It was resolved that the Farm committee be requested to notify Mr. Bennett 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 15th, 1893, at 7:30 P.M.

Adjourned.


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

Members present: Messrs. Wells, Chamberlain, Gaskell, Butterfield, Eldred, Wells, Cline, and Lee, Reynolds.

Messrs. Taylor and Hutchinson were present and presented arguments for experimentation in bee culture.

It was resolved that the Committee on Buildings...
present for this purpose to the credit of the Military department.

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

Resolved that there new half-ton scales be made for the print catalogues to illustrate work in connection with the Mechanical department at an estimated expense of $350, and that the present set of the Mechanical Shop be omitted.

A bill of J. H. Willing for Medical services rendered in 1892, aggregating $17.50, was approved.

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.

The members of the State Board of Agriculture being advised of the death of our late associate, Jos. A. Ely, Jr.,

T. Reisig, member of this Board from 1885-9, desire to place on record their testimony of his worth and services.

Resolved that Mr. Reisig 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 be copies sent to his venerable father and devoted wife.

It was resolved that the records of the meetings of April 10-11 be amended so that the salary of Mr. P. B. Davis be at the rate of $100.00 instead of $105.00 per year.

It was resolved that the President of the College arrange for the teaching of the branches in Prof. McRirtle's department, by the remaining force of the College at his discretion.

It was resolved that the books of P. B. Davis as Treasurer, and T. H. Reynolds as Secretary be accepted and approved.

It was resolved that a further appropriation of $250 to the Harvard Fifty Dollars, be made to the Farm Dept. Experiment Station for expenses to June 3, 1892.

It was resolved that $50 be paid to the Edict Society for injury to their property in the Society rooms by vandalism, under the society rooms.

Damage to the Societ's property by vandalism, after the society had notified the authorities of the fact of such a theft, and a reasonable time for reparation had elapsed without it having been done.
It was resolved that $5.00 be allowed the occupants of room 22 for wills stolen from the room when left unlocked by the College guests at the time of turning on the furnace just prior to the opening of the term. Motion: Lost.

It was resolved that the Medical fee and service stipulation adopted at the Feb. meeting of the Board be discontinued and the Secretary be instructed to pay Dr. Hillings for his services under the stipulation at the rate of $10.00 per month.

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

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

The resignation of Prof. Harwood was presented.

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

Of Soldier.

The resignation of Prof. S. A. Goodnow to take effect May 20, 1894 was presented, accepted, and ordered filed.

The resignation of Rev. Reynolds to take effect June 16, 1894 was presented, accepted, and ordered placed on file.

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

Pieces for dinner

[Apex]

The Board recommended that Mr. Hutchinson be asked to present plans for experiments in Agriculture, and submit estimates of the expense necessary for the purpose.

It was resolved that Five Thousand Dollars $5,000 of the experiment-station funds for the fiscal year beginning July 1st, 1894 be appropriated for experimentation in the culture the details of which are left for arrangement with the experiment-station committee with power to act.

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 in our field was that part of the field near the river. A range of about 500 yards could be here obtained.

In order to secure a regular range of one 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 each 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 target would require a butt of considerable height and strength.

Of wood about twenty feet long, and fifteen inches in diameter, about six feet thick at the top and thirty feet at the bottom, and rodded. The length of which to be about fifteen feet.

The original estimate did not contemplate the erecting of such a butt. The committee recommends that a cutting in the woods adjacent to the fort be made and yards range be authorized also that an appropriation be made to cover the expenses of erecting of the butt above described.

Signed: C. A. S. Chairman.

Estimate of Butt of earth

<table>
<thead>
<tr>
<th>Length of butt</th>
<th>Fifty feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width of butt</td>
<td>Thirty feet</td>
</tr>
<tr>
<td>Height A.t.b.</td>
<td>Fifteen feet</td>
</tr>
<tr>
<td>Contents</td>
<td>About 1/4 yard.</td>
</tr>
</tbody>
</table>

The cost of making this butt, may be taken at from 80 to 150 cents per cubic yard, or from 80 to 150.

Report was referred to the Committee on Military Dept.

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 examined the prospecting of the Faculty Committee, and while we wish to grant the Military department of the College every facility to secure its efficiency, we do not feel like permanently sacrificing any attribute of the College premises as much interest and attractiveness as the timber and shrubbery along the south bank of the Chara Pesc which has already been stripped of too much of its yellow beauty along the border 1/4.

Our view of the usefulness of the Military feature of this College, is that when it has given the young men many lessons of firmness, precision of movement, orderly habits, prompt obedience to authority and take

C. A. Holden, discharged assist in agt. dept.

Election of Secretary

H. Butterfield elected secretary.

Piece of persons and knowledge of ordinary military evolutions it has so far subdued the object of its establishment as to accomplish nearly every purpose sought.

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

With this view of the subject, your committee recommends that the consideration of the Faculty committee be respectfully referred back to said committee with the request that they give the matter further consideration and later, or 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 farms.

Chas. W. Leffingwell,
S. T. Butterfield, Committee.

This report was re-referred to the Faculty committee.

Dr. E. A. Holdin was invited in and presented his report of the examination of lands in Oxford, Manistor and Berce counties.

It was resolved that the bill of Dr. E. A. Holdin for $150 be allowed for the appraising of these lands.

Mr. R. W. Holdin appeared before the Board at their request. It was resolved that the secretary be requested to notify Mr. Holdin 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 as much as a vacancy so soon to occur in the superintendence of this Board, that we proceed to select for a successor to Mr. Reynolds. The first ballot resulted in five votes for J. H. Butterfield and two for C. T. Leffingwell.

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; present: Mr. C. A. Holdin, Butterfield, Phelps, Clifton, Clute and Leffingwell. Mr. Butterfield presented a note from Sec. Ref.

[Note: The text is somewhat difficult to read due to the handwriting style, but it appears to be a record of a meeting, discussing the establishment's objectives, a portable target range, and the election of Mr. Butterfield as secretary.]
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 2nd, 1893. It was resolved to proceed to ballot for a member to succeed Mr. Butterfield when his resignation takes effect on June 2nd.

Mr. Charles T. More, of St. Clair, Mich., received six votes and was declared elected.

Adjourned to Monday, June 13th, at 7:30 P.M.

Signed: Henry G. Reynolds.

Sec'y.


Board met pursuant to adjournment at the Academy Hotel.

All members present and also Mr. C. T. More, the number elected to succeed Mr. Butterfield at the expiration of his term.

Mr. Libbey was present and convened on the subject of the presidency.

Mr. Breake was present and requested that the Board appropriate Two Hundred Fifty Dollars per year to the Treasurer's service.

Various matters were referred to special committees and the Board adjourned to meet at the college at 10:00 A.M.

College, June 13th, 10:00 A.M.

Board met pursuant to adjournment. Some members present.

Mr. J. H. Smith, Sup't of Schools, Bay City, Mich., was present as a candidate for the presidency.

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

Mr. Clinton A. Smith, Director of the Minnesota Agri-

Board recommended with several members present.

Prof. Cook appeared to urge retaining the College Agricultural Station, up to forty for the college's needs for its educational value.
It was resolved that contract be entered into with Mr. R. E. Taylor to take the bees to his home and for $300.
Five Thousand Dollars, to conduct experiments, in appreciate for the year beginning July 1-1873, and to return the bees as good as when taken.

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

It was resolved that the appropriation to the Hort. department for the year ending June 30-1873, be increased by the sum of $175.

It was resolved that the Secretary and Dr. Read, are hereby authorized to procure two herbarium cases and cupboard for the herbarium station, bulletin and store room for the Botanical Dept.

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

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

It was resolved that $224.93 be paid for work done by Treadle & Son on Dr. Hodges house.

Resolved that repairs of roof and doors at Dr. Hodges house and certain painting and papering be authorized.

It was resolved that Mr. Teale be allowed to occupy the kitchen painted by Mr. Holden and giving up the kitchen he has been using.

Resolved that Mr. Bicknell be granted the two rooms in the east end of the farm painted by Mr. Holden and the kitchen painted by Mr. Holden.

Resolved that a drain be put in from the cellar of house occupied by the engineers to the well now receiving drainage from the Boiler House, at a cost not exceeding $100.

It was resolved that the paint of the parts of rooms occupied by Prof. McNair be repainted and painted and that a glass be put in the hall door.

The following repairs are hereby authorized to the rooms occupied by Prof. Noble, Kellar, dining-room and hall balustraded and wood work painted and the double front rooms papered and wood work painted and a glass put in the hall door.
It was resolved that the roof of Dr. Edwards house be repaired; the walls repaired and whitewashed; and the clock painted, and the interior room work painted, and that part of the shed be converted into a parade room.

Resolved that the interior of the President's house and of those occupied by Jo[a]n commissioners, Judge Edwards, and Geo. 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 left by contract or hire, at his discretion.

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

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

Resolved that the interior house be whitewashed and painted inside.

Resolved that the roof of the President's house be repaired and that new doors be made for the outside cellar way, under the direction of the Secretary.

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

Resolved that the roof of the treasurer's house be repaired under the direction of the Secretary.

It was resolved that the commissioner of the state stand forthwith to withdraw from sale the lands granted to this state by act of Congress approved July 3, 1843, provided for the endowment of colleges for the benefit of Agriculture and the Mechanic arts.

Resolved that Two Thousand Dollars be added to the apportionment to the Mechanical Dept. to July 1st, 1843.

Resolved that Two Thousand Fifty Dollars for the year be apportioned from the Appropriation funds for the Cultural Sciences. Motion lost.

The resignation of Prof. McBride was presented and accepted to date from May 22, 1843, and ordered placed on file.
Resolved that Prof. Holden be requested to examine the question of passage and drainage of Howard Trace and report of the next meeting of the Board.

Resolved that a committee of three be appointed on appointment. Enfield, Moore and Butterfield were appointed.

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

Resolved that the Chemical Dept. be hereby authorized to place an import order for Chemical Supplies to the amount of $150.00.

Resolved that we adjourn to meet Monday evening, July 10th, at 7:30 P.M. at the Capitol.


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

Resolved that the following repairs be authorized on Prof. Holden's farms in Howard Trace. Shelves and linoleum in the kitchen. Kitchen and dining room, paint and varnish.

Resolved that Dr. Greene be allowed Fifty, Eight Dollars for expenses to obtain photographs of horses at the Stable. Fees to be paid from Experiment Station funds. But other-wise apportioned.

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 cotton insects existing on cotton.

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

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

Resolved that the following apportionment for special Legislative Appropriations for the year 1873-74 be made:

For 1873. From Land 1200$, Hort. Land 200$, Farm Land 1200$.
From borrowed 200$, Mechanical Dept. 200$, Hall & Stable 600$.
Total apportionment $16,435.

For 1891:
- Forward $11,300.
- Farmers' Building $1,300.00
- Library, Hall $200.
- Roads $1,500.00
- Student labor $2700
- Library $1,200.00
Total $17,500.

The committee on apportionment of current funds for the six months ending June 1, 1891 made the following report:

The estimated receipts are $36,000.00 which you committee recommend to be divided as follows:

<table>
<thead>
<tr>
<th>Department</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$17,000</td>
</tr>
<tr>
<td>Farm Dept.</td>
<td>$3,500</td>
</tr>
<tr>
<td>Veternary Dept.</td>
<td>$100.00</td>
</tr>
<tr>
<td>Hort.</td>
<td>$2,100</td>
</tr>
<tr>
<td>Chemical</td>
<td>$600.00</td>
</tr>
<tr>
<td>Heating Repairs</td>
<td>$500.00</td>
</tr>
<tr>
<td>Botanical</td>
<td>$600.00</td>
</tr>
<tr>
<td>Mach. Dept.</td>
<td>$2,000</td>
</tr>
<tr>
<td>Drawing</td>
<td>$1,200</td>
</tr>
<tr>
<td>English</td>
<td>$930.00</td>
</tr>
<tr>
<td>Military</td>
<td>$200.00</td>
</tr>
<tr>
<td>Geological Survey</td>
<td>$50.00</td>
</tr>
<tr>
<td>Physical</td>
<td>$110.00</td>
</tr>
<tr>
<td>Biological Dept.</td>
<td>$325.00</td>
</tr>
<tr>
<td>Office</td>
<td>$1,200</td>
</tr>
<tr>
<td>Math. Dept.</td>
<td>$100.00</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>$1,000</td>
</tr>
</tbody>
</table>

Total $36,000.00

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

The Secretary was authorized to investigate the question of road work on the road south of the College Farm with authority to expend $175.

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

The Secretary reported that the Faculty recommend the Board that the honorary degree of D. E. D. be conferred on Pro. Child, and the degree of Master of Horticulture on Hon. E. Reynolds.

Mr. Garfield presented the following resolution which were unanimously adopted.
Resolved that the members of the State Board of Agricul-
ture take this occasion to record their sincere regret
in parting with their courteous and efficient Secretary
Henry L. 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 especially fitted
to fill the position so as to most completely subserve
the interests of the College.

The 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 gen-
terous, honest, efficient and self-sacrificing service.

The members of this Board are indebted to him for
more than language can express, not only for kindly
accompaniment and genuine courtesy, but special thought
fulness on our behalf on all occasions.

For all these years, have shown our confidence
in him through our oft-repeated acknowledgments
that he was of more influence than any of our
number in molding college affairs. Our confidence
and esteem has often led us to put upon his willing
shoulders burdens that because of his winning vitality
he was unable to bear. And we regretfully recall the
decade of his health in our service.

To 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, piety, and courage, and live long
to add to the happiness of others while himself enjoying
life's choicest blessings.

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

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

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

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

Col. Lewis H. Burton of Detroit was declared e-
President:

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 Men's Experiment Station, was elected at a salary of $1,500 per annum, and houses 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. Tipton addition, for Hospital, addition to shed, foundry, and sewage system. Adjourned to meet Monday evening, Aug. 7, 1893, at their rooms in the capitol.

Signed: J.H. Butterfield
Secretary


Regular meeting of the Board at rooms in the capitol.

All members present but the Governor.

Minutes of previous meeting were read and resolutions regarding the appointment of the President and Prof. of Agriculture were amended so that the appointment takes effect August 30, instead of Sept. 1st.

Prof. Tuske presented the following:

From Prof. Tipton 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 new house for a schoolroom.

Resolution for fittingvaluing and painting the Chemical Laboratory and Staging the Library. All the above resolutions were referred to the Committee on Buildings and Grounds.

Prof. Burt, asked for repairs to the sheds 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.
and referred to the Committee on Buildings and Grounds.

Resolved that the rooms in Howard House to be vacated by Prof. McNair be assigned to Prof. Nordhoff.

A communication from the Committee on Education, at the State House, regarding the Reading Circle was presented by Mr. Farfield, and was referred to the Committee on Institutes and Prof. Benton.

The Secretary presented a communication from Prof. Evans of the U.S. Weather Service with a bill of $576 for June and July, which was laid on the table and the bill ordered returned without payment.

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

Resolved that a second edition of 5,000 copies of the bulletin "91. Experiment Station" be printed.

Adjourned to meet at the College at 9:00 A.M.

Tuesday, Aug. 5th, 9:00 A.M.

Board met as per adjournment; all members present except the President.

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

Resolved that no gasoline stove be allowed in the hail or club rooms at the College.

The resignation of Prof. J.H. McNair as Ass. Prof. of Mathematics was received and accepted, and ordered placed on file.

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

Mr. Farfield presented the following resolution. Thereat at the last meeting of this Board a distribution of college funds was made to the various departments for the ensuing six months and. Wherefore 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 Provost of the College and upon the requisition from the dean of the College.
The Secretary was authorized to issue thanks for the above resolution.

The Board appointed P.T. Moore on the committee in place of W.T. Dillerfield resigned.

The committee on Form and Art reported in favor of allowing three days week for each term in these departments on the academy. Adopted.

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 next meeting.

Mr. Stanage presented a bill for damage to tools and loss of oars which were returned to the boy & Mr. Bulley were power to act.

Resolved that the two unfinished rooms on the lower story of the Bee House may be used as a children school until further notice.

Resolved that $2,000 be appropriated for paving and curbing the cemetery, rooms on account of damages from leak in roof.

President Gorton was elected Director of the Experiment Station.

It was resolved that we continued the work.

$100 appropriated for Reading Circles and that the committee on the part of the College to Prof. Mumpf, Prof. Taff, and Prof. Gorton, and that a sum not exceeding $1,000 be appropriated for unstable Appropriations for clerks' hire and other expenses connected with this work.

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

Resolved that the construction of walks be referred to J. C. Gorton, Prof. Taff, and the Secretary, with power to superintend.

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

Resolved that the painting and stenciling in the Institute room in Chemical Laboratory, and the ceiling of the library be done under the direction of the Secretary.
The repair to the President's house were ordered to be made by the trustees.

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

Resolved that this Board desires its understanding by all college employees that in the making of changes in sewers, drains, water pipes and other repairs requiring the disturbance of said sewer grounds, no movement of earth be made unless authorized by the President of the college and done under the direction of the Prof. of H.H. who is the chief of the grounds.

Resolved that Prof. Chase be restored from college duties after Aug. 15, 193.

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

Resolved that T.C. Mumford be elected Asst. Professor of Agriculture at a salary of Five Thousand Dollars per annum, to date from June 15, 193, at which time he began the duties of the position.

Resolved that Prof. Linton be authorized to nominate to the Board an assistant to the Director of the Experiment Station at a salary of Four Thousand Dollars per annum, to date from Aug. 15, 193.

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

Resolved that Prof. Linton 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 Bachelor Hall be assigned to the class of the day.

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

Resolved that W.D. Hadrick be appointed Asst. Prof. of History and Political Economy, at a salary of Five Thousand Dollars per year, to begin Sept. 1, 193.

Prof. Linton nominated W.D. Hadrick as Asst. to the Director of Experiment Station. Approved.
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.

- William B. Allen
- Elijah Henry Baker
- Isaac Washington Baker
- Thomas John Blake
- James Jones Bragg
- John Carlton Birtwell
- Allen C. Brooks
- Daniel James Chapman
- Claudius Edmonson Chapman
- Albert Blackman Chase
- Fred D. S. Clark
- Isace Murray Clark
- Wright Cooke
- Albert Baldwin Cooke
- Katherine Elizabeth Cooke
- James, Mary, Cowley
- S. V. Cooley
- William J. Cummings
- Harry, Miller, Geo.
- Emory Byron Hale
- George P. Hall
- Rev. Lionel Harvey

Resolved that the degree of Master of Science be conferred on Edward T. Burt, L.C. Lawrence, and

J. H. Matthews.

In recommendation of the Faculty the honorary degree of S. S. D. was conferred on Dr. Emory.

In recommendation of the Faculty the honorary degree of Master of Horticulture was conferred on

Henry L. Reynolds.

Resolved that when the Board adjourns it meet at their room in the Capitol on Monday Sept. 4th 1843. at 7:00 P.M.

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

Resolved that the corridors and stairways and the halls and halls be kato-
joined and painted under the direction of the Secretary and Pres. Morton.

Resolved the Secretary is allowed to pay the monthly pay roll for August, and the 11th of August.

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 Graduates' names and addresses of Pres. Mills and Pres. Morton at the Commencement exercises.

Adjourned to Sept. 1, 1843.

Matt Burtfield
Secretary

Dansgue, Mich., Sept. 12, 1843.

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

Members present: Sanfieid, Chamberlain, Shelly, Monroe and Morton.

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

Minutes of the previous meeting were read and approved.

Lect. 8:30 a.m. of the Mathematical science again presented the matters of the Summer science and presented the matter of the State Theater service.

Pres. Morton presented the plans for the artificial stone walks, and they were referred to the committee on buildings and grounds.

Resolved that Mr. Saunfield and Dr. Bond be instructed to look after the interests of the College in relation to the Forestry exhibit of the plate at Chicago.

Resolved that the Sunday be held within the appropriation under the direction of the President, Dr. and Prof. Trill.

A request for charts in the Physical class room was referred to the committee on buildings.

A request for repairs to the chimney and heating works.

Amount of fifty-five dollars for repairs of rains to the amount of sixty-five dollars, for repairs of rains to the amount of forty-five dollars, for repairs of rains.
repair of the Fire Pumps was referred to the committee on Buildings and Grounds.

The matter of appointment of College Chemist as State Chemist was brought to the attention of the Board and was referred to a special committee of Mr. Storrs, Mr. More, and the Governor.

Mr. Storrs presented a communication from A. D. Rossum, relating to rooms and increase of salary. Referred to committee on employees.

The Prof. of Agriculture was recommended the purchase of the B. D. W. Constant Separator at a cost of One Thousand Dollars.

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

President Storrs announced the selection of Mr. W. J. Crotch as Asst. in the English Dept. at a salary of Five Hundred Dollars for years to commence Sept. 1-1893.

The committee on employees reported the election of Prof. Charles H. Kel as Prof. of Mechanics and Engineering at a salary of Eight Hundred Dollars and duty to commence Sept. 1-1893. Approved.

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

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

Mr. Storrs 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.

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

Mr. Storrs reported the retirement of C. R. W. Coates as Foreman of the Wood Shop.

The plan for power and drainage of How and Israel was presented and referred to the conv...
committee on Buildings and Grounds.

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

Plans for the hospital were presented and referred to a committee of Geo. Burton, Dr. Batesfield, and Prof. Wilson.

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.

Mr. Dewfield of the committee on Finance reported on the bill of Dr. O.M. Curdison for medical service and asked further time.

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

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

Received that the construction of public and drain age 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.

The committee on Buildings and Grounds reported approval of the plans submitted for the artificial stone walks, and the report was adopted.

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

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

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

Resolved that the sum of Five Hundred Dollars for year for the year 1893 be 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 assistance, to be paid by the
secretary upon bills approved by the Director of the
Service.
Resolved that the sum of $300 be hereby appro-
priated from current funds to reimburse the Director
of the State Mather Service for the expense of photo-
graphing two monthly bulletins.
The chairman presents the notes of the meet-
ing of the Agricultural College and Experiment Sta-
tion at Chicago.
Res. 1. Eaton was elected delegate from the sta-
tion and Jas. Hoke from the College. Prof. Smith and
Taft, and all members of the Board who may be pre-
sent were elected additional delegates.
Resolved that the next meeting of the Board
be held in Chicago Oct. 17th, at such place as the
secretary may select.
Resolved that the charge for the class room
of the Physical Laboratory be purchased by the Res.
Secretary and Prof. Goodworth at a cost not ex-
ceeding 0.75 thousand dollars.
Resolved that A. C. Blatchley be employed to ar-
range 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
$250 per day for each service.
Resolved that the Chairman of the Finance com-
mittee be requested to investigate the proprietor-
ship of the managers of the Cooperative Dairy Depart-
ment at Chicago, to give exclusive right to the free of the re-
sults of the experiments to certain stations on the
payment of a certain sum, and if this station is
to be denied the free of these results the Secretary
is instructed to withhold the 0.75 thousand dollars
herefore appropriated.
Resolved that the President and Sec'y, be directed
to make such reassignment of rooms in Howard
Tower, without regard to the present assignment,
as the accommodations of the college employee
requires.
Resolved that the repair of the dam be referred
to the President, Secretary and Prof. Taft, with author-
ity to do what seems best after due consideration.
The Secretary announced the appointment of Mr. W. E. Bradley as Acting Secretary of the Board. Approved.
Adjourned.

Chicago, Illinois, Oct. 17, 1893

Board met at Sherman Home at 9 P.M. with all present except Rev. Rich.

Minutes of the previous meeting were read and approved.

Mr. Borton reported the appointment of T. J. Bender as Foreman of the Woodshop at a salary of $650 per year to commence Sept. 1st, 1893. The appointment was confirmed.

The resignation of C. H. Kelly as Foreman of the Cardine was presented, accepted, and ordered placed on file.

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

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.

Resolved that the class in Veterinary Science be started from the first of Oct. to the 10th of Dec. to do work in practical anatomy in the dissecting room, and such labor be credited as much student labor.

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

Resolved that the salary of H. J. Cogill be $650 per year after November 1st, 1893.

Resolved that the salary of H. P. Belden, back in the 3d dept. of the experiment station be $700 per year after Nov. 1893.

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.

Resolved that the Res Home 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.

Resolved that the President and Secretary be authorized to receive from the State Board for Commisions on palt
Board Meeting November 6, 1893

Board met at the Capitol as per Adjournment. All members present except Mr. Moore and the Governor.

President Horton presented several Matters for the action of the Board, and also read a communication from the Ref. of Agriculture relating to a Course in Dairy Husbandry.

It was resolved that the thanks of the Board be tendered to D.S. Frances & Son, Roman for the gift of a quantity of Nitrate of Soda for the use of the Experimentation Station.

The matter of grading around the Foundry was referred to the Committee of the Whole.

The employment of an additional Freeman was referred to the Committee on Employees.
The application of W. B. G Secord, for increase of salary was referred to the committee on Employees.

It was resolved that the President of the College be authorized to admit to the degree of Master of Science to Dr. J. F. Teller.

It was resolved that leave of absence during vacation be granted to A. G. Stearns, and reappointed as professor of Chemistry.

It was resolved that the Farm Dept. be authorized to move the building containing the seed grinders and equipment to a location south of the Red River and its connecting with the steam pipes from the boiler.

It was resolved that the funds now in the Mechanics Laboratory be given to the Tau Beta Chi 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, 1873.

Board reconvened as per adjournment with the same members present.

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

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 $50.00 is hereby appropriated from the repair and building fund for the purpose of fitting up the dairy room and equipping the same.
Resolved that so much of the above appropriation as shall be necessary for properly fitting the Dairy room be taken from the repair and building funds, and so much as shall be expended for the equipment of the room be taken from the current funds appropriated to the Aqueduct Dept.

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

It was resolved that the Secretary is hereby authorized to pay the expense of issuing the present edition of the College catalog, $75.00 from the current funds, thus covering the appointment to the office for the present six months of this expense as it was not considered when this appointment was made.

It was resolved that the grading about the Farms, to be done, at the direction of the President and Secretary.

It was resolved that the timber be cut under the supervision of the superintendents of the Farms, with the view of preserving the same and growing timber.

It was resolved that in consideration of extra work done by W. J. Greer, that he be paid $2.50 per month in addition to his present salary, beginning May 1st, 1892.

It was resolved that the President and Prof. Vill, be authorized to engage additional help as firemen at a cost not exceeding $3.00 per month.

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

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

It was resolved that the thanks of this Board
It was resolved that the action of President Eaton in securing a dynamo and engine be approved and that the same be placed on position and that the specifications for lighting be presented at the next meeting of the Board.

The resignation of Prof. A. G. Cook of the Dept. of Botany and Entomology was presented, accepted and ordered placed on file.

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

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

It was resolved that the salary of Prof. Cook be paid until January 1st, 1874.

It was resolved that when the Board adjourn it be to meet at their room in the Capitol on Dec. 11, 1873 at 7:30 P.M.

It was resolved that the question of moving the building containing the The Boyer figs building to a new one be placed in the hands of the secretary and Prof. Smith with power to act.

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

Adjourned.
Lansing, Mich., Dec. 27th, 1873

The Board met at the Auditor's House by unanimous consent at 7:30 P.M.

Members present: Hill, Ingalls, Giddings, Morse, Norton and Secretary.

President Norton presented a report from the Professor of Agriculture.

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

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

It was resolved that all books purchased for the use of any of the departments of the college be purchased and requisitioned out of the funds of the department interested and be catalogued in the library.

President Norton was authorized to advertise in the American Cheese matter.

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

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

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

It was resolved that all books purchased for the special use of any of the departments of the College be purchased in requisition out of the funds of the department interested and be catalogued in the library.
A motion was made 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. E.A. Greig, was chosen to draft a resolution expressive of the feeling of this Board in parting with the services of Prof. C.F. Cook and presents the following which was ordered spread upon the minutes, and the Secretary ordered to forward an engrossed copy to Prof. Cook.

Resolved that on 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 and adorn yet among students has characterized his work at the college and has been thoroughly appreciated by this Board.

The work in serious and of usefulness has brought power to the College and will inore him to himself for parting with him the college loses in its internal life the cherished influence of a strong firm, the immediate example of a controled 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 Agricultural extends to him and his family its warmest regards and its best wishes for all those attributes of life on their new home which will bring to them the keenest delight.

A communication from the Prof. of Agriculture commending that the service of this local superintend
of the College Station be dispensed with after Dec 30th 1873. The recommendation was adopted and the Prof. of Agriculture authorized to dispense with said service.

Dr. Butler, Secretary of the State Board of Health, appeared before the Board and presented a memorial for the appointment of a professor of Physiology and 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 June 23rd at 7:30 P.M.


Board met at the Indiana House, the date having been changed from January 8th by consent.

Members present: Kellogg, Chamberlain, Moore, Grison and the Secretary.

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

Dr. Butler brought up the matter of the appointment of a professor of Zoology and Entomology.

It was resolved: That Prof. W.B. Barrows be offered the chair of Zoology and Entomology at a salary of $200.00 per annum.

Resignation of Dr. T.C. Smith.

Resignation of J. H. Hicks.

The resignation of J. H. Hicks was received and accepted.

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

It was resolved: That the establishment of a Botany Department be referred to the President and Secretary with power to act according to their judgment.

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