The Board met, pursuant to adjournment, in their office at the Capitol at 7-30 p.m. All of the members were present. The minutes of the meeting of Dec. 9th were read and approved.

Mr. Butterfield reported an examination of certain of the College cattle affected with tuberculosis & recommended that all the animals of the affected family be isolated from the rest of the herd & disposed of as soon as may be, for beef, if still healthy, or to be buried, if not; further that the cow most seriously affected, be killed & buried at once. (The Red Rose of Derwent) Mr. R.H. Mines of the State Live Stock Sanitary Commission was present & spoke at some length on the subject of tuberculosis & the measures necessary in combating it.

It was resolved that all animals at the College affected with tuberculosis be destroyed at once & that suspected animals be isolated from the rest of the herd, fitted for the block, & when killed sold for beef if found fit for it, or buried if not.

The heads of the different departments of the Experiment Station were present & by request presented outlines of the work which they recommended for the coming year. The Board then adjourned to meet at the College at 9 a.m.

Agricultural College, January 7th, 1880, 9 a.m.

The Board reconvened as per adjournment, with all the members present except Col. McCready.

It was resolved that the line of experiments for the Farm Department be adopted as presented by Prof. Davenport.

It was moved by Mr. Garfield that Prof. Davenport be authorized to enter upon a course of experimentation with the residue of milk from the dairy experiment with the largest possible amount of butter therefrom by the various methods he may employ & that he be provided with the necessary apparatus for conducting the series of experiments. The motion was lost by the following vote: -xxxx Messrs. Wells, Butterfield & Glidden, No. -5. Messrs. Garfield, Palmer & Clute, Aye -5.

It was resolved to adopt the plan of experiment presented by Dr. Kadzie.

Prest. Clute presented the resignation by Mr. Crandall of his position as foreman of the Garden department & upon motion it was accepted. It was resolved that the President of the Board & the members of the standing committee of the Board on the Farm department (Messrs. Glidden & Butterfield) be a special committee to represent the Board at the meeting of the Executive Committee of the State Agric Society to present a request for the erection by the Society of a separate building for the College exhibit at the State Fair & for the presentation of any other matters that may be desirable.

It was resolved that Dr. Beal be authorized to purchase as part of the equipment of the Botanical Laboratory, certain local flora or plant lists for $6.20, Part 1st of Goodale's Physiological Botany, Bessey's Botany, Luhbbeck's Wild Flowers & Gray's Structural Botany, all from the Botanical special appropriation.

It was resolved that Dr. Beal, with the advice of the President of the College, be authorized to have suitable shelves or cases made for storing duplicate herbarium specimens. The Board then took a recess for dinner & to inspect the new Agricultural Laboratory & the carcasses of the cow & calf slaughtered on account of the tuberculosis, after which they reconvened & Prof. Carpenter presented his report as Supt. of Construction of the Agricultural Laboratory.

It was resolved that Mr. P.F. Cleveland the contractor, he allowed $40.00 extra for Portland cement in the cellar floor subjugated for Louisville cement as contemplated in the proposals.

It was resolved that the Agricultural Laboratory be and is hereby accepted by the State Board of Agriculture for the State Agricultural College & that the Secretary be instructed to pay the Contractor the amount of the contract, $7100.00, & of the extras approved by the Superintendent & the Board, $82.50.
It was resolved that Prof. Taft's recommendations for Experiment Station work be adopted except in respect to the testing of seeds & flowers and the plans for work at South Haven and that those three matters be deferred for consideration to the next meeting.

It was resolved that the recommendations of Dr. Grange for Experiment Station work be adopted & that he be requested to enter at once on the investigation of the tuberculosis.

It was resolved that the plans of Prof. Cook & Dr. Beal for experimental work, as verbally presented to the Board last evening be approved.

It was resolved that Prof. Cook be authorized to expend $25.00 from the Zoological special appropriation for Orthoptera.

It was resolved that Prof. Cook be authorized to purchase for $150.00 a collection of Lepidoptera, to be charged to current account.

It was resolved that in accepting the resignation of Mr. Chas. S. Crandall, Foreman of the Horticultural Department, we desire to record our appreciation of the honest faithful & intelligent service, especially in the field of horticultural experiment, which he has rendered our institution since his connection with it; and while we sincerely regret his loss from our corps of workers, we congratulate him upon his entrance into a wider field of labor & our best wishes attend him in his new work & associations.

It was resolved that the employment of a foreman of the Horticultural Department be referred to President Clute & Prof. Taft with authority to engage Mr. A. C. Gulley at $750.00 per annum if agreeable to their judgment.

It was resolved that Prof. Taft be given leave of absence for 18 days from Jan. 14th.

Two communications from the New Jersey State Board of Agriculture relative to the establishment of a United States Board of Agriculture & to the free transmission through the mails of Agricultural reports were read & by resolution laid on the table.

It was resolved that Prof. Carpenter be authorized to purchase a cement testing apparatus.

It was resolved that President Clute be requested to prepare a memorial to be presented to Congress, recommending the transfer of the Weather Service from the War Department to the Agricultural Department & that when prepared it be signed by the President & the Secretary of the Board.

It was resolved that President Wells be authorized to correspond with Assistant Secretary of Agriculture Williams with reference to matters pending in Congress affecting our Experiment Station & if he find that a representation from our Board in Washington is desirable that he & Col. McGrearty proceed to Washington in the interests of the Station.

It was resolved that provision for instruction in Political Economy & Constitutional Law be referred to the President of the College & the Committee on Employees.

It was resolved that adjourn to Wednesday March 5th at 7-30 p.m. at the Capitol.

Henry Reynolds, Secretary.

State Board of Agriculture.

Office of the Secretary.

Lansingingham Co., Mich. March 5th 1867

The Board met pursuant to adjournment, in their office at the Capitol at 7-30 p.m. all the members being present except Governor Luce. The minutes of the meetings of Jan. 6th & 7th were read and approved.

Messrs O. A. Turner & Chas. Ferris of the Union Literary Society of the College were present & on behalf of their society requested that they be granted the use of a site on the College grounds on which to erect a Society building. By resolution they were requested to present their plans before the full Board at their meeting at the College tomorrow at 1 p.m.

Senator John C. Sharp of Jackson being present then made a statement relative to a cow purchased by him of the College. Adjourned to 9 a.m. at the College.
The Board reconvened with the same members present.

It was resolved that the Professor of Agriculture be instructed to purchase Mr. Sharp of Jackson, for the Experiment Station the Short Horn Cow, College Red Rose, for $145.00. It was resolved that Prof. Carpenter be authorized to expend $30.00 from Mathematical special appropriation for photographs of engineering works.

It was resolved that the Professor of Agriculture & the Secretary be authorized to complete the furnishing of the Agricultural Laboratory within the appropriation.

It was resolved that Prof. Durand be authorized to engage a blacksmith at $8.75 per week.

It was resolved that Prof. Carpenter be authorized to purchase an astronomical clock & a Y. level at an expense of $80.

It was resolved that the class room formerly used by Prof. Carpenter be assigned to the Mechanical Department for a drawing room.

It was resolved that the second story tower room of the Mechanical building be assigned for use as a children's school.

It was resolved that the President & Secretary of the College be authorized to confer with the Hesperian Society in reference to a room & to make such arrangement as may be best.

It was resolved that, for the present, Mr. Van Dorn be given the use of the S.W. corner room of the second story of the Agriculture Laboratory.

It was resolved that Prof. Woodworth be authorized to expend $150.00 from the Chemical special appropriation for electrical apparatus & that his expenses in connection with the same be paid from the same fund.

It was resolved that Dr. Beal be authorized to purchase for $28.00 350 Mexican plants to be paid for from the Botanical special fund.

It was resolved that Prof. Wheeler be authorized to go at the expense of the Botanical special fund to Flint to examine the Clark herbarium with reference to its value for the College to purchase.

It was resolved that the desk used for many years in the President's office by Dr. Abbot be presented to President Clute.

It was resolved that President Clute & Prof. Carpenter & Beal be a committee to prepare plans for a College exhibition building on the State Fair grounds & to present the same to the Executive Committee of the State Agricultural Society.

It was resolved that the College make this year one exhibit only & that at the State Fair.

It was resolved that Prof. Carpenter be authorized to expend $14.00 for a Cyclostyle to be paid for from the special appropriation for the Mathematical Department.

The Board then took a recess for dinner, after which they reconvened with the same members present.

It was resolved that the Union Literary Society be granted permission to erect on the College grounds a building for the use of their society, provided that a lease may be agreed upon in consultation with the Board & provided that the general authority of the Faculty shall prevail in such building to the same extent as in the rooms now occupied by the society.

It was resolved that Prof. Carpenter be instructed to proceed with the preparation of plans for the heating by hot water of College Hall & that he put in a system of steam heat for the President's office, the reading room & Prof. Cook's laboratory.

It was resolved that Prof. Carpenter be requested to fit each of the hot water systems on the grounds, not already so provided, with automatic damper regulators.

It was resolved that Prof. Carpenter be requested at his convenience to carry steam heat into Prof. Woodworth's class room.

It was resolved that Prof. Taft be authorized to expend the balance of the special appropriation for his department.
It was resolved to take from the table that part of the report of Prof. Taft on Experiment Station work which was submitted at the last meeting of the Board, in reference to the work at South Haven. It was resolved that we establish at South Haven a substation to be devoted to experiments in pomology & horticulture & that a sum not exceeding $1000.00 be appropriated from the Experiment Station funds for the maintenance thereof for the year beginning April 1st 1886 provided, that the people of South Haven shall secure to the State Board of Agriculture for the use of said station, by good & sufficient deed, 5 acres of land immediately adjoining the property of Mr. T.T. Lyon on the south without expense to the Station management.

It was resolved that Prof. Taft be authorized to employ an assistant to be in immediate charge of the substation.

It was resolved that Mr. Glidden of the Board of Agriculture & Prof. Taft of the Experiment Station Council be authorized to complete the arrangements for the organization & equipment of the substation. It was resolved that the expenditure of $575.00 for the fitting up & equipment of rooms in the Veterinary Laboratory for the purposes of the investigation of tuberculosis as proposed by Mr. Grange be authorized & carried out in consultation with the Secretary.

It was resolved that the President of the Board be requested to purchase a team of horses for the Farm Department of the Experiment Station.

It was resolved that the purchase of milch cows be referred to the Farm Committee with power to act.

It was resolved that the employment of Mr. Jarred as herdsman till Dec. 1st be authorized.

A communication from the Secretary of the National Association of American Florists was read & laid on the table.

It was resolved that Mr. L.A. Clinton be employed for one month at $25.00 for cataloging & work in the President's office.

It was resolved to adjourn to Tuesday, April 8th at 7:30 p.m. at the Capitol.

Henry T. Reynolds, Secretary.

State Board of Agriculture.
Office of the Secretary.

Agricultural College, B.C.

LANSIN Ingham Co., Mich. APRIL 8th A.D.

The Board met pursuant to adjournment, in their office at the Capitol at 7:30 p.m., all of the members being present. The minutes of the meetings of March 5th & 6th were read & approved.

It was resolved that the chamber rooms of the College Green House be repapered under the direction of the Secretary.

President Clute reported to the Board the destruction by fire on the night of Sunday, March 23rd of the Botanical Laboratory, & it was resolved that Lieut. Simpson be requested to organize & train a College fire department & act as its chief.

It was resolved that a special committee of two be appointed by the Chair to report tomorrow to the Board recommendations relative to fire protection.

It was resolved that the President be authorized to use the drill hall for summer students, provided that the College be at no special expense on their account.

It was resolved that the question of hall lamps for Abbot Hall be referred to the Committee on Buildings to report tomorrow.

Col. Wm. B. McCurey announced to his fellow members on the Board his having accepted an appointment as United States Consul at Valparaiso, Chile, tendered his resignation from the Board expressing at the same time his cordial good will & fellowship toward each of his confreres & begged permission to suggest the name of ex-Senator Horace C. Spencer of Flint as of one eminently suitable to fill the vacancy thus made.

It was resolved that Prof. Anderson be authorized to expend the balance of the appropriation for his department for a bookcase, some books for class reference & a duplicating apparatus.

The Board adjourned to 9 a.m. at the College.
The Board reconvened at 9 a.m. with all the members present and also Messrs. W. W. Morrison & C. F. Hulburd who presented the E eclectic Society a request for assistance in fixing up their rooms. It was resolved that the Board be requested to look into the matter and report upon it this afternoon.

It was resolved that the repairs of the front steps of Williams Hall as recommended by the Committee on Buildings be done under the direction of the Secretary.

It was resolved that the eaves of the Armory building be at once protected from leaks, by the Secretary.

It was resolved that two hall lanterns be purchased at about $2.50 each for the corridors of Abbott Hall.

It was resolved that the Secretary be instructed to provide for fire protection one additional hydrant & $75.00 worth of small hose, ladders & hose cart.

A communication from the Society of American Florists was taken from the table & referred to Prof. Taft for report. The Board then took a recess for dinner after which they reconvened, with all the members present. It was resolved that Prof. Carpenter be authorized to employ a common laborer to assist in firing so as to free the engineer & ensure him to work on the new heating apparatus for College Hall.

It was resolved that Prof. Carpenter be authorized to have the water pipes around the 3 west houses of Faculty Row relaid.

It was resolved that the question of utilities for the dwellings occupied by Prof. Cook & Carpenter be referred to the Building Committee with power to act.

It was resolved that Dr. Redzic be authorized to expend $50.00 for Experiment Station seeds.

It was resolved that Dr. Beal in consultation with the Secretary be authorized to have contrived some well-mixed cases for the herbarium; to cost not more than $200.00 & to be paid for from the Contingent Building fund.

It was resolved that Dr. Beal be authorized to expend $50.00 of the Botanical special appropriation for herbarium plants of Mr. C. G. Pringle.

It was resolved that Mr. C. F. Wheeler be authorized to make during the year 8 trips for collecting plants to cost within $50.00 in total and to be paid for from the Botanical fund.

It was resolved that Dr. Beal be authorized to expend $75.00 from the Botanical special appropriation for supplies.

The Board then on motion proceeded to ballot for a successor to Col. McGraw and on the first ballot the Hon. Horace C. Spencer of Flint was elected to fill the vacancy. It was resolved that Dr. L. A. Clinton be employed for the balance of the College year for cataloging at $25.00 per month to be paid from the special appropriation for the Library.

The special committee to whom was referred the request of the Eclectic Society reported that the condition of the funds did not seem to warrant the expenditure asked for.

The report was accepted & adopted.

It was resolved that the Board adjourns it shall be to meet in the Capitol on Monday June 8th at 7-30 P.M.

It was resolved that the site for the Union Literary Society building be referred to President Clute & Prof. Taft with power to act.

It was resolved that Prof. Taft be authorized to do with the Wells Hall vineyard as he sees fit.

The question of locating orchard trees at the Grayling sub station was decided in favor of using land belonging to the Station who will plant.

The question of providing a shed for the Garden Department night soil cart was referred to the Building Committee with power to act.

It was informally agreed that a part of the Culvert fund be devoted to a foot bridge over the ravine.

It was resolved that the wood shed on the west side of Williams Hall be removed.

The Board then adjourned to June 8th at 7-30 P.M.
State Board of Agriculture.
Office of the Secretary.

Agricultural College, June 10th, 1890, 9 a.m.

The Board reconvened with present except Gov. Luce.
It was resolved that the 2 north-west rooms on the 2nd floor of the Physical Laboratory are hereby assigned to Prof. Woodworth for his study & sleeping room & that he be requested to take one of the assistants as a room-mate.

It was resolved that the north-east corner of the first floor of the Horticultural Laboratory be partitioned & finished as a room to be occupied as study & sleeping room by Prof. Taft’s assistants & that the use of the same as soon as finished be assigned to Mr. Anderson & Mr. Gladden; provided that discretion be left with Prof. Gladden to modify this arrangement if they see fit.

It was resolved that the south-east corner room on the lower floor of Howard Terrace is hereby assigned to the use of Mr. A. B. Peebles & wife in addition to the two rooms in the same suite which they now occupy.

It was resolved that the room in the east quarter of the second floor (Suite H) of Howard Terrace, now occupied by Mr. Gladden is hereby assigned to Mr. Dewey & wife, in addition to the 2 rooms in the same suite now occupied by them.

It was resolved that of the 2 rooms adjoining the class room of the Department of English in College Hall, the south one is hereby assigned to the Professor of English Literature & Modern Languages as an office & the north one is assigned to Prof. Noble as study & sleeping room.

It was resolved that room No. 1 of Suite C Howard Terrace (that being the east middle, 1st floor suite) be assigned to Mr. Tompkins as a bed room at the close of the present term.

It was resolved that at the close of the present term one front room & one rear room on Suite B Howard Terrace (being the west middle, 1st floor suite) be at the disposal of the President of the College to assign to employes & that the remaining 4 rooms of the suite be assigned to the use of Mr. Campbell & wife.

It was resolved that rooms 2 and 3 of Suite B Howard Terrace (the west 2nd floor suite) now occupied by Mr. Tompkins & Mr. Cannon, and room 6 in the same suite, now occupied by Prof. Simpson, be assigned to Dr. N. S. Mayo after the close of the present term.

It was resolved that rooms 4, 5 & 6 in Suite B Howard Terrace be assigned for the use of Prof. Corbin & his mother.

It was resolved that Hon. C. W. Garfield be a delegate from the Board to attend the quarter centennial of Hope College.

It was resolved that the members of the Board be assigned by the President of the Board to work with the heads of the different departments in taking the inventory on the 30th inst.
It was resolved that the Superintendents of the Farm & Garden departments be authorized to engage an experienced student in labor during term time at current rates. The motion was lost.

On recommendation of the Farm Committee it was resolved that horse hay forks be provided for the horse & cattle barns and that a self binder be purchased, all at the expense of the special appropriation for the Farm Department.

It was resolved that Prof. Taft be authorized to employ such extra help as shall be needed to keep the grounds in proper shape; provided that the aggregate of such help shall not exceed the equivalent of one man for one month during this working season.

It was resolved that Prof. Taft as Horticulturist of the Experiment Station he authorized to continue the experiments already inaugurated with regard to methods of heating & green house apparatus, cooperating therein with the Society of American Florists; provided that the firms manufacturing such apparatus shall contribute as to make the expense to the Station a merely nominal one.

President Wells announced that he had appointed Mr. H.C. Spencer to the same positions on the Standing Committees of the Board that had been filled by Col. McCrory.

It was resolved that Prof. Taft & the Secretary be authorized to purchase a house for the Horticultural department of the Experiment Station at not over $125.00.

It was resolved that the bill of Dr. Keedie for papering & repairing be allowed & paid from the special appropriation for repairs.

It was resolved that hereafter no repairs be paid for except such as are previously approved by the building committee.

It was resolved that the Secretary be instructed to engage the services of an additional janitor to be under the direction of the President & Secretary.

It was resolved that the Secretary be instructed to have printed 4000 copies of the next annual catalogue, and that the Secretary be instructed to submit to the Secretary of the Treasury of the United States the question whether the Experiment Stations may use for building purposes in their own discretion any receipts which they may have over & above the $15000.00 received from the United States; and also whether receipts must be wholly expended at the close of the fiscal year in order to avoid a deduction from the next year's appropriation.

The Board then took a recess for dinner after which they reconvened with all the members present except Governor Luce.

It was resolved that the repairs & alterations in the Green House Station next heading apparatus be carried out under direction of Prof. Carpenter & be paid for from the special appropriation for the Greenhouse.

It was resolved that the Experiment Station steers be slaughtered as they severally ripen as judged by the professor in charge & by the Farm Committee.

It was resolved that the Secretary be instructed to write to the Admant Plaster Co. of Grand Rapids asking what they intend to do about the ir job on the Agricultural Laboratory.

It was resolved that Prof. F.S. Keedie be granted leave of absence during the winter vacation & next Spring term, with continuation of salary, provided that he arrange without additional expense to the College for the instruction which he would have given if present during the Spring term.

It was resolved that the Veterinary Laboratory be provided with gasoline gas by piping from the Mechanical Building gas machine; the expense to be met from the Experiment Station funds.

It was resolved that Dr. Beal be authorized to have his west hall door provided with glass panels & to have 2 rooms paneled.

It was resolved that the Bill of Dr. Beal for blackboard ing be paid.

Dr. Beal presented to the Board a brief manuscript setting forth some ideas with reference to a new Botanical Laboratory & as to the importance of additional herbariums. The paper was placed on file.

It was resolved that Dr. Beal be allowed to procure some cases with drawers, for cards containing the permanent notes of Experiment Station work.

It was resolved that Dr. Beal be authorized to purchase 41 specimens of American woods mounted for use with the stereopticon, costing 50 cts each.

The Board then adjourned to Monday July 7th at 7-50 p.m. at the Capitol.
The Board met, pursuant to adjournment, in their office at the Capitol, at 7-30 p.m.; Absent, President Wells, Governor, Luce, & Mr. Garfield. Dr. Palmer was elected President pro tem.

The minutes of the meetings of June 8th & 10th were read & approved.

A communication from Prof. Carpenter announcing his election to and acceptance of the chair of Experimental Mechanics in Cornell University, was presented & placed on file.

It was resolved that Lieut. Wendell L. Simpson be tendered the position to be vacated by the resignation of Prof. R. C. Carpenter, at a salary at the rate of $1800.00 per year from the beginning of the next College year, with the use of the dwelling now occupied by Prof. Carpenter.

It was resolved that the College pay $25.00 toward the commencement music.

It was resolved that the testing machine be transferred to the Mechanical Department.

It was resolved that the physical apparatus now in charge of the Mechanical Department be transferred to the Physical Department.

A communication from President Wells was read appointing Messrs. Butterfield, Palmer, Garfield & Spencer, a special committee on inventory to operate with the heads of the different depts.

The Board adjourned to 9 a.m. at the College.

Agricultural College, July 8th, 1880, 9 a.m. The Board reconvened with the same members present. On petition of the Hesperian Society, it was resolved that at the discretion of the President of the College the rooms to be vacated by the Union Literary Society may be assigned to the Hesperian Society.

It was resolved that in case of the resignation of Mr. Cordley, Mr. F. J. Niswander be promoted to the position so vacated, at a salary at the rate of $500.00 per annum, & Mr. G. C. Davis be appointed to the position left by Mr. Niswander at a salary at the rate of $300.00 per annum.

It was resolved that in case of the resignation of Mr. David Anderson Jr. Mr. H. J. Hall be appointed to the position so vacated at a salary at the rate of $300.00 per annum.

It was resolved that on the resignation of Mr. Frank H. Hall, the position so vacated be tendered to Mr. Wm. J. Meyers, at a salary at the rate of $500.00 per annum.

It was resolved that beginning with the new College year Mr. Henry Thurtell be promoted to the Assistant Professorship of Mathematics with a salary at the rate of $800.00 per annum.

It was resolved that Prof. Davenport be authorized to floor the grain barn at the expense of the special appropriation for the Farm department.

The year for which Prof. Davenport was elected to his present position having nearly expired, it was resolved that Prof. Eugene Davenport be elected Professor of Agriculture & Superintendent of the Farm at a salary at the rate of $1800.00 per annum & the use of the dwelling now occupied by him.

It was resolved that the resignation of Mr. H. Campbell be accepted, to date from the close of the present College year.

It was resolved that Mr. Albert Curtis be appointed from the beginning of the next College year at $41.66 per month & the use of three rooms in Howard Terrace as Foreman of the Wood Shops & Foundry, to have three weeks vacation, the use of three rooms in Howard Terrace, as Foreman of the wood shops & foundry, he to have 3 weeks vacation in the winter & to give the rest of his winter time to general College repairs & so much of his term time as can be spared from his other duties, to the same work.

The formal resignation of Prof. R. C. Carpenter was taken effect August 19th prox. was presented & accepted by the Board with warm & unanimous expressions of regret at the termination of relations so long & so pleasantly sustained.

It was resolved that the purchase of a hay rake for the Farm Department be authorized.
It was resolved that until further orders no more transfers be made from Current Account to the credit of the Contingent Building Fund.

The resignation of Prof. Edward P. Anderson was presented & accepted.

It was resolved that Prof. Howard Edwards be elected to the chair of English Literature & Modern Languages at a salary of $1,800.00 per annum & the use of the dwelling now occupied by Prof. Anderson, this appointment to date from the opening of the next College year. It was resolved that Dr. Kedzie be requested to attend as delegate from M.M. & at the expense of our Experiment Station, the meeting of Experiment Station Chemists at Washington.

It was resolved that until the Board apportions the Experiment Station funds for the current fiscal year, the Secretary be authorized to pay bills as presented with the proper approvals on the lines of last year's appportionment.

After a recess for dinner it was resolved that Prof. Taft be authorized to pay $140.00 for the Experiment Station horse ordered at the last meeting.

The recommendation of the Building Committee that Mr. H. Campbell be allowed $26.05 for improvements on the rooms occupied by him was on motion accepted & adopted & payment of that amount ordered to be made.

It was resolved that from July 1st Mr. L. A. Clinton be employed on the Experiment Station pay roll at $25.00 per month, his services to continue at the discretion of the Director.

It was resolved to adjourn to Monday August 18th at 7.30 p.m. at the Capitol.

State Board of Agriculture.

Office of the Secretary.

The Board met pursuant to adjournment in their office at the Capitol at 7-30 p.m.; absent Gov. Luke & Messrs. Palmer & Spencer.

The minutes of the meetings of July 7th & 8th were read & approved.

President Clute presented a number of letters relative to the Military detail after the reading of which it was resolved to proceed to a ballot for a nominee for that purpose. The ballot resulted in three votes for 1st Lieut. Jno. J. Crittenden of the 22nd U.S. Infantry & two votes for 2nd Lieut. Edson A. Lewis. It was... resolved that the choice of Lieut. Crittenden to succeed Lieut. Simpson be made unanimous.

It was resolved that in case of the resignation of Mr. C. L. Taylor, Mr. A. B. Peebles be promoted to his position & Mr. W. L. M. Rosman be appointed to the position vacated by Mr. Peebles, the salaries attached to both positions to continue as heretofore.

It was resolved that Mr. G. C. Davis be granted leave of absence for two months without pay.

It was resolved that Mr. Gulley be allowed 5 rooms in Howard Terrace.

It was resolved that $25.00 be paid from Expt. Stn. funds to the Exec. Com. of the Nat'l Assn. of Expt. Stns.

It was resolved that the degree of Master of Science be conferred upon the following named persons, viz., Kazama Shosha of M.A., the class of '88 of the Imperial College of Agriculture of Tokio Japan, for proficiency in Entomology; Charles B. Collingwood of '88 M.A.C., now Assistant Chemist of the Arkansas Expt Stn., for proficiency in Chemistry; W. W. Hildsworth of '78 M.A.C., now Asst. Prof. of Drawing, M.A.C., for proficiency in Drawing; Nelson S. Mayo of '88 M.A.C., now Asst. in Veterinary experiments at the Mich. Expt. Stn., for proficiency in Veterinary Science & Surgery; Gager C. Davis of '89 M.A.C., for proficiency in Entomology and Howard E. Weed of '89 M.A.C., for proficiency in Entomology.

It was resolved that the degree of Bachelor of Science
be conferred upon the following named 31 members of the class of 1890; of the Agricultural Course 22, viz.—

Warren Babcock, Jr.,
Ruel W. Blake,
Edward G. Cooney,
Warren Babcock, Jr.,
Ruel W. Blake,
Edward G. Cooney,
George E. Hancoke,
Will N. Morrison,
Elmer J. Howley,
Orlando A. Turner,
John W. White, and 
of the Mechanical Course, 9 viz.—

Horace E. Bunce, Horace L. Bunnell,
Joseph Foster, Howard J. Hall,
George R. Haines, Bruce McPherson, 
J. H. F. Mullen, Chas. P. Rittinger, 
B. F. Simons, Jr., John W. Toan,
Horace Z. Ward, Albert Latcha Waters, and John W. White.
The Board adjourned to 9 a.m. at the College.

Agricultural College, August 18th, 9 a.m. 1890.

The Board reconvened with the same members present.
It was resolved that when we adjourn it shall be to meet in the office of the Board in the Capitol at 7-30 p.m. on Thursday, September 11th.

It was resolved that Prof. Davenport be authorized with the labor of the Farm Department to make such repairs at the dam as will be necessary to protect the banks of the river.

It was resolved that the dairy experiment be temporarily suspended & that as the present experimental feeding animals are disposed of the young stock on the College Farm shall be purchased for the Experiment Station, be fed for beef & sold at different ages to test the most profitable age for sale.

It was resolved that Mr. C. O. Holden be employed as assistant in experiments on the Farm at the rate of $500.00 per annum & that the Farm force be lessened by one man.

It was resolved that Mr. J. N. Estabrook be requested to teach the class in book-keeping this fall term.

The Board then adjourned.

Henry G. Reynolds, Agricultural College,
Secretary.

R. H. Davis, Treasurer.

The Board met pursuant to adjournment, in their office at the Capitol at 7-30 p.m.; absent, Gov. Lucas & Mr. Spencer. The minutes of the meeting of Aug. 18 & 19 were read & approved.

It was resolved that the salary of Mr. O. Hadden be raised to $500.00 per year from Aug. 13, 1890.

A list of needed repairs reported by Prof. Clute, was referred to the building committee with power to act.

It was resolved that a special committee be appointed by the President to consider plans for a new Botanical Laboratory. The President appointed Mr. Garfield, Dr. Palmer & Dr. Beal.

It was resolved that Dr. Beal be authorized to purchase 400 herbarium specimens of Desiderata from Alabama at $5.00 per c.

It was resolved that we should be much gratified to receive from Col. Wm. H. McCreary, U. S. Consul at Valparaiso, Chili, any seeds or grains, which he may be able to send us for a museum or for testing in the Experiment Station.

It was resolved that the salary of Mr. Chas. F. Wheeler be at the rate of $500.00 per year for the year beginning Sep. 1, 1890.

It was resolved that the Secretary be instructed to otherwise directed, the miscellaneous receipts which have herbarium cases be charged to current account.

It was resolved that the steamer of the Physical Act.

It was resolved that Prof. Clute he authorized to have transfer to Contingent Buildings Fund for July & August & until needed temporary repairs made on the walk from his house to Prof. Durand's. It was resolved that 5 series of 4 institutes each be requested to interview the custodian of the Capitol & secure the of the Board & their invited guests.

It was resolved that the day sessions of the October meeting be devoted to the consideration of the Experiment Station at that meeting.

It was resolved that the Board cordially presents the name of Hon. H. H. Hines of Stanton, Mich., to Pres. Palmer, Grand Marshall of the World's Fair.

It was resolved to adjourn to Monday, Oct. 6, at 7-30 p.m.
The Board met pursuant to adjournment, on their office in the Capitol, at 7-30 p.m.; absent, Prof. Wells. Dr. O. Palmer was elected President pro tem. The minutes of the meeting of Sept. 11th were read & approved.

It was resolved that Secy. Reynolds see Mr. Hill in reference to having the Board room kept tidy & unoccupied by unauthorized persons.

The members of the State Live Stock Sanitary Commission were given a hearing with reference to the subject of Actinymicos & it was resolved that the question be referred to the Director & Committee on the Experiment Station.

It was resolved that the Director of the Station & Prof. Taft be sent as delegates to the Champaign meeting of Experiment Station workers.

It was resolved that when the Board adjourns it be to meet at the Capitol on the 17th of November.

It was resolved that the Director be requested to invite the members of the Experiment Station Council to meet with the Board at 1 p.m. tomorrow.

The Board then took recess to 10-30 a.m. at the College Agricultural College, Oct. 7th, 1889.

The members of the Board spent the morning in committee work & at 1.30 p.m. convened in session with the members of the Experiment Station Council.

After a general conference the Board proceeded in executive session & it was resolved that the Secy. have authority to sell old furnace pipes from the Chemical laboratory. It was resolved that $30.00 be allowed for a water closet in the President's house.

Mr. Glidden reported for the committee on farm management recommending the drainage of field No. 4, & of part of field No. 7, that Nos. 7 & 18 be plowed & that the land fence be renewed. It was resolved to accept & adopt all of the report except the part relating to fencing.

It was resolved that the old lane fences be set one side from their present position, the ground on which they now stand be plowed & leveled & new fences built a year from this coming spring.

Mr. Carfield for the committee on Horticulture reported as to the view of the grounds from the north road, recommending Prof. Taft be instructed & authorized & all others concerned to cooperate with him in carrying out his ideas in remediating the objectionable features of this back door view of the College premises. The report was accepted & adopted.

Some further recommendations to take effect when the money from the Marshall appropriation becomes available were left for further consideration at the next meeting.

It was resolved that Prof. Taft be authorized to have continued the system of drainage on the South Haven land to an extent not to exceed $70.00. The Board then took a recess to reconvene at the Capitol at 7-30 p.m.

Lansing, Mich., Oct. 7, 1889, 7-30 p.m.

The Board reconvened with the same members present.

The resignation of Mr. Goo. L. Teller was presented & accepted to take effect Sept. 18th.

On recommendation of the Director, as chairman of the special committee to whom was referred the subject of Actinymicos, it was resolved that the Experiment Station & the State Live Stock Sanitary Commission will cooperate in carrying on investigations of the disease known as "Lumpy Jaw" or Actinymicos. It was also resolved that these investigations shall be carried on under the direct supervision of the Experiment Station & in the vicinity of Lansing provided, that the Live Stock Sanitary Commission shall furnish all live stock necessary to the investigation, forage to the amount of $100.00 ordinary help to the amount of $80.00 & rent to the amount of $50.00, as the funds of the Experiment Station have already been appropriated for the current year.

It was resolved that Dr. Grange be authorized to have the cow, Victoria College, purchased & slaughtered.
It was resolved that Mr. VanDevoort's salary be raised to $700.00 per year from Aug. 25, 1880 & Mr. Woodworth's salary to $1000 per year from the same date.

It was resolved that the live stock of the farm be reduced as fast as practicable to the capacity of the farm to carry without the purchase of seed to any considerable extent.

It was resolved that the College herd of Shorthorns be reduced as soon as practicable to ten or twelve breeding cows, & that they be selected & bred with reference to a certain type, viz., thick flesh & early maturity.

It was resolved that choice specimens of other leading breeds, not exceeding two specimens of each breed, be kept for educational purposes & that they be mainly females & utilized to furnish milk for the College.

It was resolved that Shropshire sheep be kept as the main flock of sheep & that two specimens of each of the other leading breeds be kept for educational purposes.

It was resolved that from 2 to 4 choice Polard China sows be kept for breeding & that one choice specimen of each leading breed of hogs be kept for educational purposes.

It was resolved that the action contemplated in the above resolution be carried out under the direction of the farm committee & the Prof. of Agriculture.

It was resolved that the Director & the committee on Experiment Station be instructed to present at the first session of the next meeting a plan for the future conduct of the Station. The Board then adjourned to meet in the Capitol Nov. 17th at 7-30 p.m.

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Lansing, Nov. 17, 1880, 7.30 P.M.

The Board met pursuant to adjournment. Absent: Dr. Palmer, Mr. Spencer having resigned since the last meeting, was not present. The minutes of the meeting of Oct. 6 were read and approved.

The Board, after discussing the matter of a new Botanical Laboratory, voted:

Isaac Harston presented a recommendation of a series of butter-making lessons at the Institutes by Wm. S. Gilbert of Richland N.Y.

It was resolved that the degree of B.S. be conferred on F. B. Mumford, and that of M.S. on Mr. Yoshida.

It was resolved that the Secretary be instructed to procure a diploma plate and diplomas for the M.S. degree, to be given for a $5. fee.

It was resolved to authorize the expenditure from the current account of $2150.00 for an exhibition lantern primarily for Institutes, secondarily for general College use.

It was resolved that Prof. Holdsworth's salary be raised to $1000 per annum from Jan. 1st, 1881.

It was resolved that O. B. Hall be engaged for the winter at $30 per month, without board, in place of Tracy Hiscock, for the steam works.

It was resolved that Prof. Corbin be authorized to purchase for the Library $250 worth of books in the line of History and Political Economy.

It was resolved that Mr. Clidden be requested to investigate the subject of lectures on butter-making, from an expert butter-maker, at our Institutes the coming winter, and to arrange for such if practicable.

The following was presented, relative to an appropriation from current expenses for the Mechanical Dept., the special appropriation of this Dept. being exhausted:

Pipe and fitting---------- $8.00
Wrought iron---------- 5.00
Blacksmith coal--------- 7.00
Circular caliper for accurate measurements---------- 50.00
Three way cock for indicator---------- 4.00

Total-------- $74.00

The memorandum was allowed.

The Board adjourned to 9 A.M. at the College.
The Board reconvened pursuant to adjournment. All present including Dr. Palmer.

It was resolved that in consideration of other valuable and imperative duties on the part of Drs. Kadzie and Bea, they be relieved of the care of the northern sub-stations of Grayling etc.

It was moved that the Brink place be abandoned. The motion was lost.

It was resolved that the station at Oscoda be abandoned.

It was resolved that the management of the Walton, Baldwin, and Harrison stations be left to a Committee on Experiments, and the Agriculturalist.

It was resolved that the Director of the Experiment Station be authorized to cast about for a suitable person to fill the chair of Bacteriology, and to report his success, with recommendations, at a subsequent meeting of the Board.

It was resolved that F.S. Kadzie be Adjunct professor of Chemistry at $1800, without house, and be paid wholly from a Academic Fund.

It was resolved that Dr. Bea be paid $1500 from the College, and $500 from the Experiment Station.

It was resolved that there be no successor to Mr. Dewey.

It was resolved that Mr. Wheeler be paid $600 from the College and $500 from the Experiment Station.

It was resolved that Mr. T. Lyon be continued at the South Haven Station under the arrangement of last year.

It was resolved that Dr. Grange be relieved from the Bacteriological work at the College, according to his request.

It was resolved that the experiments of Profs. Davenport and Taft be continued as heretofore under their recommendation.

It was resolved that Dr. Kadzie make investigations into the practicability of beet-sugar making for the coming year.

It was resolved further that Dr. Kadzie be requested to visit Grand Island at once, to make investigations in the practical workings of the manufacture of sugar from the beet.

It was resolved that the fees arising from the analysis of fertilizers be passed directly into the Experiment Station fund and the work of analysis be made a part of the duties of the Chemical section of the Experiment Station without extra compensation therefor, hereby repealing the resolution adopted June 14, 1886.

It was resolved that Dr. Kadzie be paid $1700 from the College and $500 from the Experiment Station and that the two chemical assistants be paid $500 and $500, all from the Experiment Station.

The Board then adjourned to 1 P.M.

Agricultural College, November 18, 1886.

The Board reconvened with all the members present.

It was resolved that the proposition of the Bureau of Entomology, Washington, be accepted to the following effect:

1. That our Station engage in experiments in bee-culture as may be agreed on between the Entomologists of the bureau and of our Experiment Station.

2. That the Bureau will furnish $1000 to pay an apiculturist to be engaged by us.

3. That the Bureau will pay $600 to our Station for the services of Prof. Cook.

4. That the Bureau shall furnish a reasonable sum for other expenses.

It was resolved that when the above arrangement is made, Mr. G. C. Davis shall receive $500 as assistant to the Entomologist of the Experiment Station.

It was resolved that Dalziel’s salary be raised to $50.00 per month, from and after November 1st., and that Jarred’s salary be raised to $55.00 per month, from and after December 1st.

It was resolved that Prof. Cook be allowed $75 for expenses to a meeting of the Experiment Station Entomologists.

The following were authorized: Shingling carpenter-shop roof; Shingling the portico at the north entrance of Wms. Hall; Painting of portico at west entrance of Wms. Hall; Painting steps of Library; Painting steps west entrance of College Hall; Painting and refurnishing the chapel; Painting the portico of the Mechanical Building; and repairing the Physical Laboratory.

It was resolved that Dr. Grange and Prof. Clute are hereby requested to prepare, and to present for the consideration of the Board, a course of instruction in Veterinary Medicine and Surgery.
such as would fit students to receive the degree V.S. or D.V.M.,
such course to be as far as possible parallel with the present
Agricultural course.

It was resolved that Prof. Ducand, Simpson, Woodworth, and
Pres. Clute are hereby requested to prepare a plan for the more com-
plete development of the course in Mechanics, Physics, and Engineer-
ing, and report the same to the Board at its next meeting.

It was resolved that Prof. Ducand be authorized to expend
$1200 for two lathes of accuracy.

It was resolved that in addition to the $70 voted at the
last meeting for the draining of the South Haven land, $64.34 fur-
ther be allowed for the same.

It was resolved that Prof. Taft be authorized to have cer-
tain improvements made about the grounds, as authorized in letter.
Adjourned to 7 P.M., Dec. 8.

Lansing, December 8, 1880, 7 P.M.

The Board met pursuant to adjournment. Present: Pres't. Wells,
Messrs. Garfield, Butterfield, Clidden, Clute, and the Secretary.

The minutes of the meetings of Nov. 17 and 18 were read and appro-
ved.

It was resolved that the Clark farm College be sold
for what they will bring, and that Prof. Davenport be authorized to
purchase the Clark farm College team, if they are not
for sale at a price of $1000.

It was resolved that Prof. Davenport be requested to sele-
ct three lots of the mature trees on the College Farm and to sell them.

It was resolved that Prof. Davenport be authorized to
purchase a pair of hobs if needed.

It was resolved that Prof. Davenport be authorized to
purchase Linoleum for the Farm House.

It was resolved that 1 or 2 dairies be provided for the
Farm House.

It was resolved that Dr. Kadzie be requested to procure
Sugar-beet seed and without further expense have fifty 1/4 acre
lots raised in different parts of the state.

It was resolved that the President and Secretary be au-
thorized to examine as to the expense and method of illustrating
the next catalogue and requested to report upon the same to the
Board.

It was resolved that the desk now in the President's of-

dice be assigned to Prof. Cochran, and a new and large desk be bought
from Experiment Station funds for the Director's office.

It was resolved that the Horticultural Department be
authorized to purchase 40 new hot-bed sashes and glass them.

It was resolved that the Secretary be requested to send
a respectful communication to Prof. Baur, and acquaint him with the
fact that the Board, in granting the Experiment Station think it is
not wise to start any further sub-stations devoted largely to
horticultural experiments.

The Board considered estimates till 10 P.M., and
Adjourned to 9 A.M.

Lansing, Dec. 9, 1880, 10 A.M.

The Board reconvened. Present, the same members and the
Governor.

The committee on the extension of the Engineering course
was present and Dr. Ducand reported for them, suggesting a develop-
ment of the present Mechanical course into three courses: Civil
Engineering, Mechanical Engineering, Electrical Engineering, to be
parallel for the first three years and divergent in the Senior
year. It would need two instructors at $500 per year, and $8000 ap-
paratus for the first two years.

Dr. Orange made a statement as to the question of the
Veterinary carriages, saying it would need one professor, one assist-
ant, two grooms, one blacksmith, one half of the time, and an infir-
mary for 25 horses at 30 cents per day.

The Board took a recess till 1:30 P.M.
Lansing, Dec. 9, 1 P.M.

The Board reconvened without Gov. Luce.

The Board unanimously adopted a list of estimates aggregating $32,820.00 to present to the Legislature for 1891-2.

It was resolved that the purchase of the Thurber grasses not to exceed $500 be authorized.

It was resolved that Prof. Cook, Entomologist of the Experiment Station, be permitted to engage to do certain work for the Experiment Station of the Department of Agriculture at Washington, for the sum of $600 per year, such sum to be turned in by him to the College treasury, such engagement to be on the condition that the Department at Washington provide a skilled assistant for the Apiary at a salary of not less than $1,000 per year, and also a reasonable sum to pay other expenses.

The Board then adjourned sine die.

Lansing, Dec. 26, 1890, 7:30 P.M.

The Board met pursuant to call. Absent: Mr. Garfield. The minutes of the previous meeting were read and approved.

A letter from Hon. Geo. F. Horton, relative to the Dairymen's Annual meeting, was read. It was resolved that the committee on Institutes be authorized to arrange for the participation in the Dairymen's Association of Gov. Board of Wisconsin and Col. Curtis of New York.

It was resolved that the expenses of one or two men to the Grand Lodge institute be paid from the Institute fund.

It was resolved that the Prest. be authorized to send two men to the Institute at Centreville.

It was resolved that Prof. Taft be granted leave of absence for three weeks after Jan. 1st.

It was resolved that Prof. Taft be allowed to put a tank on the old garden wagon and sprinkle the grounds on the President's house be authorized.

It was resolved to proceed to elect a successor to Mr. Spencer. The first ballot was 5 votes for Mr. Butterfield.

The Board adjourned to 7:30 P.M. Thursday, Jan. 22 at the Capitol.

Lansing Jan. 22, 1891

The Board met pursuant to adjournment. Present: Messrs. Garfield, Palmer, Butterfield, Chamberlain, Phelps, Clute, and the Secretary.

It was resolved that Prest. Clute be president pro tem of the Board until further arrangement be made.

The minutes of the meeting of Dec. 26 were read and approved.

It was resolved that in case Col. Curtis can not be secured for the meeting of the Dairymen's Association, the engagement of Mr. Gilbert in his place be authorized.

It was resolved that the salary of Paul Theobald be $10 per week while employed.

It was resolved that Dr. Durand be authorized to employ Mr. Theobald for two weeks in advance of the opening of the Spring term.

It was resolved that $544.44 be paid for the repair of the cellar of Dr. Durand's house.

It was resolved that Prof. Cock be authorized to spend $1,000 for beetles.

It was resolved that Dr. Beal be authorized to expand $100 for camera, lucidas and other microscope appliances.

It was resolved that the Prest. be authorized to put additional radiators in the north and north-west rooms in the 2nd story of the Agricultural Laboratory.

It was resolved that the Director be authorized to purchase such phosphates and seeds as are needed for the Graying sub-station.

It was resolved that a committee on legislation of two members be appointed. Mr. Chamberlain and Mr. Butterfield were appointed.

It was resolved that the Board adjourn to 9 A.M. in the Capitol.