

On motion of Mr. Waterbury, the request of Prof. Barrows that a porch be built upon his house was referred to the Committee on Buildings and College Property.

Barrows' porch

The Secretary presented a request from the Ionian Society for permission to build a building upon the campus. As this request was considered to be covered by the report of the special committee above recorded in the minutes, no action was deemed necessary.

Ionian Society house

On motion of Mr. Graham, the Purchasing Agent was authorized to advertise for bids for military uniforms and for coal for the ensuing year.

Betts to advertise for bids.

On motion of Mr. Woodman, Mr. Graham was appointed a member of the commission authorized to make distribution of the state appropriation for fairs among the several counties of the state.

Graham to help distribute fair appropriation

On motion adjourned.

Alfred Brown, Secy.

MEETING OF THE STATE BOARD OF AGRICULTURE.

President's Office.

June 16th, 1915.

1:30 P. M.

Present, President Snyder, Messrs. Graham, Doherty, Beaumont, Waterbury and Woodman.

The minutes of the previous meeting having been in the hands of the members, were approved without reading.

On motion of Mr Doherty, the President was authorized to confer degrees upon the following persons subject to the approval of the faculty.

BACHELOR OF SCIENCE

Conferring of Degrees

Adams, Alexander Gordon, a
Adams, Bishop Burbank, a
Adams, Frederick Ogilvie, a
Alden, Ernest Edwin, f
Allen, Archibald Robert, a
Alton, Maribelle, h
Amos, Edward Glen, a
Anderson, Sada Loraine, h
Armstrong, Paul Stuart, a
Aseltine, Leland Barton, a
Aultman, Ralph George, e
Baker, Jay D., a
Baker, William John, a
Baldwin, Mary Alice, h
Barbour, Charles Wallace, e
Baril, Wilbert Arthur James, a
Barnum, Harry Lee, a
Barron, Walter Watts, a
Beach, Bernie F., a
Beal, Lowell Felix, e
Beebe, Ruth Alberta, h
Belknap, Lyle Enoch, e
Bemis, Kris Paul, a
Bennett, James Alton, a
Biddins, Arthur Leal, a
Bishop, Allie Emma, h
Bishop, Leon Thomas, a
Blades, Charles Harold, e
Bloom, Frank A. Lee, a
Blue, William Warner, a

Boettcher, Eric August, a
Boyce, Helen Burton, h
Bradfield, Maude Athena, h
Brohl, Helen, h
Broughton, Turner Harold, a
Brow, Ernest Lyle, e
Brundage, Marsden Robert, f
Buell, Herbert Joseph, a
Burnett, John Eric, a
Burrell, Fay E., e
Caldwell, George Leslie, v
Cathcart, William Burt, a
Cavanaugh, William James, a
Chadwick, Eleanor, h
Chamberlin, Ernest Kenneth, a
Cherry, Allen Ezekiel, v
Churchill, Thomas William, v
Claflin, Ethel Burnett, h
Clements, Gail Hamilton, a
Cobb, Leslie Allen, e
Cochran, George W., a
Cook, Hazel Fern, h
Corbus, Howard Deloss, a
Covey, Ray Welford, e
Cowles, Anna Bryant, h
Crafts, Alice Marguerite, h
Dahl, Louis Albert, a
Darrah, Mary, h
Davies, Henry Irving, e
Decker, Richard Emerson, e

Decker, Roy Elbert, a
 DePagter, John Peter, f
 Dilts, William Swallow, a
 Dinan, Ralph Eldron, e
 Dowd, Edward Francis, e
 Down, Eldon Eugene, a
 Dryer, Olin Gunson, a
 Dunford, Harold Vernor, f
 Engel, August Michael, e
 Erickson, Frances Marguerite, h
 Ewing, Eugene Ellis, f
 Farwell, Mildred Rebecca, h
 Field, Howard John, a
 Finch, Authur Leon, a
 Fisher, George Karl, f
 Foster, Clifford Eugene, e
 Fox, Wright Samuel, e
 Frazier, Edna Catharine, h
 Fry, Ellen Jean, h
 Fuller, Forrest John, e
 Gallagher, Herman Joseph, a
 Gatesman, Calvin Jay, a
 Gay, Lindsley Edward, e
 Giffels, Bertram, e
 Giffels, Raymond Francis, e
 Gladden, Addie Louise, h
 Gladden, Theron Adison, a
 Goetzen, Charles Byron, f
 Gottheimer, Harry, a
 Graham, Marguerite, h
 Green, George Wallace, a
 Hall, Alfred Nelson, e
 Hall, Dudley Philip, e
 Hall, Herbert Dumont, f
 Hamilton, Mae Luella, h
 Harbottle, Evelyn Louise, h
 Hargreaves, Annice, h
 Harrington, Oscar Edwin, a
 Hartt, J. Sam, e
 Harvey, Earl Munn, a
 Havens, Roscoe Russell, e
 Hayes, George Thomas, a
 Hengst, Marion Cecil, e
 Henry, Dan Dwight, f
 Henry, Howard Patrick, a
 Herbison, Freeman C., e
 Herr, Charles Ryman, a
 Hildorf, Walter Gotlieb, e
 Hill, Elton Brainard, a
 Hilton, L. Frances, h
 Hitchcock, Grace Helen, h
 Hollinger, Theodora Rachel, h
 Holser, Erwin Frank, e
 Hulbert, Harold Watkins, a
 Jewell, Albert Hartwell, e
 Johnson, Christian Peter, a
 Johnson, Hugh Everett, a
 Judson, Marjorie Freemont, h
 Julian, George Edward, a
 Kennedy, Helen Louise, h
 Keyes, Floyd Melvin, a
 Kinney, Edward Everett, e
 Kinsting, George Fred, a
 Klein, Harold Frederick, a
 Knowles, Bernard Aloysius, a
 Krakover, Leo Julius, a
 Lamb, Eunice Marguerite, h
 Lavers, William Wilcox, f
 Lawson, John Wickham, a
 Leggat, John William, e
 Leonard, Marion Frances, h
 Lester, Ray Verne, e
 Liph, Samson, a
 Loveland, Clarence William, a
 Lowe, Ming Sear, a
 Lytle, Arthur Clinton, a
 McCarthy, William Edward, a
 McCartney, Asa Leroy, a
 McDonald, Edward Henry, a
 McIntyre, Howard Hoke, v
 McMillan, Donald, a
 McNaughton, Richard Ely, a
 Maloney, Clarence B., a
 Mandenberg, Edmund Carl, f

Mathews, Irvin James, a
 Maystead, Ivan Karl, a
 Meschke, Karl Gustav, f
 Miller, Karl Harold, a
 Moore, Florence Marion, h
 Moran, Fred, v
 Morton, Charles Byron, e
 Mosher, Lawrence A., v
 Mundy, Hazel Mae, h
 Myers, Cecil Leroy, e
 Nicolson, John Whitney, a
 Nies, Eric Evernardus, a
 Olin, Robert Earl, e
 O'Neill, Philip John, Jr., e
 Palmer, James Edwin, a
 Parsons, Maurice Benjamin, e
 Paulson, Arvid Crelus, e
 Peiser, Kurt, a
 Pennington, Grace Campbell, h
 Peterson, Carl Harold, e
 Peterson, Ernest Edwin, e
 Phillips, Douglas Evan, a
 Potts, Russell J., a
 Prescott, Frank Howard, e
 Raven, Julia Agnes, h
 Reeder, Earl J., e
 Reiterman, William Samuel, a
 Rice, Edgar Uriah, e
 Richardson, Frank Wilson, a
 Riker, Dahue Adams, a
 Ringold, Albert, a
 Roland, Raymond Michael, a
 Rose, Nina Belle, h
 Rust, Rome, a
 Sapiro, Samuel Taylor, a
 Schaffer, George Reichlin, v
 Sayles, Arthur Luther, e
 Shaffer, Bernice Eldon, a
 Sharrow, Frank Clay, e
 Shumaker, Lloyd Melville, e
 Simpson, Cecil Wayne, a
 Sisley, Morris Jaque, v
 Skeels, Dorr, f
 Sleight, Rolan Wallace, a
 Smiley, Frederick Andrew, a
 Smith, Edwin James, a
 Smith, Etha Beatrice, h
 Smith, Paul Eugene, e
 Smith, Thomas Johnson, e
 Sours, Edwin Edward, e
 Spurr, Harry, e
 Steward, Verne, a
 Stockman, Lee X., e
 Stroh, Donald Armppriester, a
 Strong, Arda May, h
 Stutsman, Jesse, a
 Taylor, Oliver A., v
 Taylor, Portor Ross, a
 Thompson, Gertrude Angeline, h
 Thompson, William Roy, a
 Todd, Jane Elizabeth, h
 Tonkonogy, Benjamin Oliver, a
 Trebilcock, Laura May, h
 Underwood, Edward Lynne, a
 Vandenberg, Stuart Cornelius, a
 Van Halteren, Anna, h
 Vaughan, Victor Carlton, a
 Vergeson, Otto Henry, e
 Vincent, John Vaughan, e
 Waffle, Ross Wadsworth, a
 Walker, Lee Roy, a
 Walker, Marion Elizabeth, h
 White, James Rayburn, a
 Williams, Frank Lester, a
 Wolkoff, Michael Ivanovitch, a
 Wright, Harmon Kline, v
 Young, Edward Merle, e
 Yuhse, Frank Joseph, e
 Ziel, Herbert Edward, e
 Zierleyn, Herman Carl, e

ADVANCED DEGREES.

Buchanan, Robert Lester, M.S.
Brandes, Elmer Walker, M.S.
Doolittle, Sears Polydore, M.S.
Gage, George Raymond, M.S.
Goss, Robert Whitmore, M.S.
Hoover, Bessie Bell, M.S.
Langworthy, Hannah Virginia, M.S.
Ogiwara, Hisata, M.S.
Shillander, Arthur Alexis, M.S.
Brainerd, Walton Kirk, M.Agr.

Dice, James Renfrew, M.Agr.
Gaib, Warren Jacob, M.Agr.
Morbeck, George Chester, M.For.
Barcroft, Glenn Asbury, C.E.
Hopkins, Ralph Zublin, C.E.
Murdock, Russell Alger, C.E.
Partridge, Ernest De Alton, C.E.
Pearsall, Ropha V., C.E.
Thome, William Joseph, C.E.
Ponitz, Charles Henry, M.E.

On motion of Mr. Beaumont, the recommendation of Dean White that Mrs. Peppard be sent to represent the Division of Home Economics at the meeting of the American Home Economics Association to be held at Seattle, Washington, August 19th to 21st, and at Oakland, California, August 26th to 29th, and that \$75.00 of her expenses be paid by the College, was approved. Also that Mr. Robert Baldwin, Director of Extension Work, be authorized to attend the annual meeting of the American Association of Agricultural Colleges and Experiment Stations at Berkeley, California, in August with expenses paid.

Mrs. Peppard
and
Mr. Baldwin

and

On motion of Mr. Doherty, Dean Shaw was authorized to attend a Conference of the American Association of Agricultural Editors at Madison, Wisconsin, June 24th and 25th.

Dean Shaw
to attend
Conferences

On motion of Mr. Doherty, the bids for coal were referred to the Secretary and Purchasing Agent with power to act, and with instructions to follow the Michigan statute in letting the contract.

Coal bids
referred

On motion of Mr. Beaumont, the bids for military uniforms were referred to the Secretary, Purchasing Agent and acting Commandant with power to act.

Uniform bids

On motion of Mr. Woodman, the following report of the special committee on the organization of the extension division, was approved:

Recommendations for Extension Work
for the year ending June 30th, 1916.

Organiza-
tion of
Extension
Division

ORGANIZATION.

1st. That a new Division be organized to be known as the Extension Division and shall rank equally with the other divisions of the institution. This division shall be in charge of a man whose title shall be Director of Extension Work and Professor of Agricultural Extension. It is not the intention that he shall teach but he should have the title of Professor in order that he may be a member of the Faculty.

2nd. This Division shall include the following:
a. County Agents. This includes all County Workers.
b. Extension Specialists including those attached to the several departments of the College and those employed independently of such departments.
c. Boys' and Girls' Club Work.
d. Farmers' Schools.
e. Farmers' Institutes.
f. Correspondence Courses.
g. Traveling Libraries.
h. Farm Management.

3rd. That it shall be the function of the Director of Extension Work to arrange working plans for the various factors in the division, and to work out the details of the cooperation with the U. S. Department of Agriculture under the provisions of the Act of Congress known as the Smith-Lever Act. In doing this, he shall confer with the Deans of the different Divisions concerned with a view to securing their harmonious cooperation, and it should be his aim as soon as possible to make the various lines of work conform to the requirements of the Act of Congress above mentioned. With this purpose in view, it is recommended that the present legislation in reference to Farmers' Institutes be, if possible, so modified as to permit this work to be wholly credited under the cooperative projects, but until this can be done, an effort should be made to adapt the work of Farmers' Institutes to the above conditions as far as possible.

4th. Reports on Extension Work shall be made by each County Agent and Extension Specialist to the Director who shall report for his Division to the President at the end of the College year.

5th. That it shall be the duty of the Director of Extension Work to provide the necessary blanks and receive the applications of Counties for County Agricultural Agents and to recommend the apportionment of expenses and suitable persons for appointment as such, it being understood that the appointment of County Agents rests wholly with the Board of Agriculture.

6th. The Director shall issue all requisitions for expenditure of funds and classify and approve all accounts and bills before presented for payment.

7th. That the functions of the various branches of Extension Work as named in paragraph two shall be as follows:

a. ---

b. It shall be the duty of the Extension Specialist to give demonstrations of the best farming and house-hold practices in their several lines and to assist in such other educational work as may be required by the Director. They should cooperate with and assist the County Agents in organized counties. No work should be undertaken in organized counties without first consulting the County Agent. Extension Specialists should take the initiative in extension work in counties not employing County Agents.

These specialists shall be administratively under the control of the Director but at all times shall be responsible to the various departments for the subject matter taught. The immediate supervision of the Extension Specialists will be assigned to the various department heads during such seasons of the year as the work can be more efficiently administered in that way. Extension Specialists shall be recommended for employment cooperatively by the Director and the head of the department directly concerned in the work.

c. The Boys' and Girls' Club Work shall consist in organizing the rural young people for the purpose of interesting them in the things that pertain to rural life. There should be such demonstration and other instructional work given and such clubs for competitive production organized as will best attain this end.

d. Farmers' Local Schools and schools for instruction in Home Economics shall be organized where they are desired and the Director finds it practical to do so, and these shall be in charge of such instructors as the Director may appoint, it being the purpose in each case to demonstrate to the rural people the best scientific practice that is applicable to their conditions.

e. Farmers' Institutes shall consist of one or two day meetings at convenient points under the immediate control of a Superintendent of Institutes, and the speakers shall be such only as are thoroughly equipped to discuss their special subject. The teaching should be as far as possible demonstrational, and confined to the subjects that are of direct interest to Agriculture and Home Economics.

f. Correspondence Courses shall be organized under the direction of some suitable person and shall embrace such courses in Agriculture and Home Economics as can profitably be pursued by rural people.

g. As soon as there are suitable library facilities at the College, arrangements should be made for a system of Traveling Libraries that will put within the reach of the rural community literature suited to its needs.

h. Farm Management shall be considered a department of the Extension Division and shall be under the direction of the Director of Extension.

A study of market and marketing conditions should be inaugurated by some suitable person under the direction of the Director of Extension Work as provided in H.E. Act No. 50, and it should be the purpose of this movement to encourage cooperative marketing among farmers.

8th. That the Director, with the approval of the administrative officers including the Deans of the Divisions concerned, shall publish such bulletins as may be needed in a series to be known as the Extension Series.

9th. In order that Extension Specialists may keep in close touch with the work of the institution, and be able to carry out to the various fields of work the latest and best from the College, it is recommended that they all be required to reside at the College.

10th. As often as once each term, the Director shall call in conference the administrative officers of the College and the Deans and Heads of Departments who are concerned with any phase of extension work. This body shall be known as the Extension Council and the Director shall be the presiding officer. All general policies in relation to extension work shall be here discussed, to the end that the Director may profit by the advice and council of those who are concerned with the work of the Extension Division.

J. L. Snyder)
A. M. Brown) Committee

County
Agent
granted to
Dickinson Co.

On motion of Mr. Beaumont, a County Agricultural Agent was granted to Dickinson County at a salary of \$1800.00 distributed as follows: U. S. Department of Agriculture, \$600.00; Michigan Agricultural College, \$600.00; Dickinson County, \$600.00, the expense to be paid by the Farm Bureau of Dickinson County. Mr. C.V. Ballard was appointed as such agent.

On motion of Mr. Doherty, the following resolution was adopted:

RESOLVED, That the Head of each department of the College shall provide that during vacation, some person shall be in charge of the office a portion at least of each day; with authority to attend to the affairs of the office.

Occupation
of office in
vacation.

On motion of Mr. Beaumont, \$1512.72 was added to the apportionment of the Registrar to take care of the budget recommended by a committee of the Alumni Association.

Apportion-
ment to
Registrar.

The matter of the application of Messrs. Tower and Huebner for a room in which to hold religious exercises was taken from the table, and Mr. Waterbury moved that the request be granted. On motion of Mr. Woodman, after some discussion, the matter was laid upon the table.

Room for
religious
exercises.

On motion of Mr. Waterbury, the following report of the committee on employees was approved:

Report of
Committee
on Employees

Name	Title	Current	Exp. Station	Total
DIVISION OF ADMINISTRATION				
J. L. Snyder	President	\$5500.00		\$5500.00
B. A. Faunce	Clerk to Pres.	1400.00		1400.00
Blanche Birchard	" " "	850.00		850.00
A.M. Brown	Secretary	1500.00	\$ 700.00	2200.00
J. Schepers	Cashier	1700.00	200.00	1900.00
Lena M. Maxwell	Bookkeeper	900.00	100.00	1000.00
Maud A. Meech	Chief Clerk	975.00	125.00	1100.00
Louise Malsworth	Clerk to Sec.	850.00		850.00
Eileen Fletcher	" " "	550.00		550.00
	Stenographer	600.00		600.00
C.D. Betts	Pur. Agent	2000.00		2000.00
Elida Yakeley	Registrar	1500.00		1500.00
Anna L. Ferle	Asst. to Reg	800.00		800.00
C. S. Langdon	" " "	1500.00		1500.00
Linda E. Landon	Librarian	1180.00	120.00	1300.00
	Asst. Librarian	800.00		800.00
	" " "	700.00 (1 yr. only)		700.00
	Miss Palm granted one year's leave of absence for study-salary to be increased \$200.00 upon her return.			
L. R. Taft	Supt. Farmers Institutes and State Insp. of Orchards and Nurseries	2300.00		2300.00
L. F. Newell	Engineer	1300.00		1300.00
S. Groat	Night Watch	600.00		600.00
Rowena Ketchum	Nurse	500.00		500.00
E. A. Bowd	Architect	2500.00		2500.00
Nellie Strudley	Stenographer	700.00		700.00
Bernice Baker	"	350.00	350.00	700.00
Bertha A. Irving	"	550.00		550.00
Mary North	"	330.00	270.00	600.00
Elsie Schultz	"	600.00		600.00
Adele Nichols	"	600.00		600.00
Allyce Hatcher	"	600.00		600.00
Marguerite Sass	"	600.00		600.00
Anna Schumaker	"	550.00		550.00
Mabel H. Kieppe	"	500.00		500.00
Fred Killeen	Director M.A.C. Chorus	350.00		350.00
Dewey A. Seeley	Inst. Meteorology	350.00		350.00
DIVISION OF HOME ECONOMICS.				
Georgia L. White	Dean	2500.00		2500.00
Lillian L. Peppard	Inst. Dom. Art	1200.00		1200.00
	" " "	\$900.00 to \$1000.00		\$900.00 to 1000.00
Agnes V. Hatch	" " "	700.00		700.00
	Prof. " Science	1500.00		1500.00 & room
Clara Morris	Inst. " "	850.00		850.00
Louise Clemens	" " "	700.00		700.00

Name	Title	Current	Exp. Station	Total
Louise Freyhofer	Inst. in Music	\$1200.00		\$1200.00
Lyla Edgerton	" " "	600.00		600.00
Mabel Leffler	" " "	750.00		750.00
Edith Casho	" Phys. Cult. &			
	Asst. to Dean	900.00		900.00
Florence Farwell	House Director	850.00		850.00

DIVISION OF ENGINEERING

G. W. Bissell	Dean	3500.00		3500.00
Katheryn Nichols	Clerk	600.00		600.00

Department of Drawing.

Victor T. Wilson	Professor	2500.00		2500.00
Chace Newman	Asst. "	1600.00		1600.00
Caroline L. Holt	Instructor	1000.00		1000.00
Alfred Iddles	"	1100.00		1100.00
M. B. Chapin	"	950.00		950.00
F. D. Messenger	"	1000.00		1000.00
C. R. Todd	"	850.00		850.00

DEPARTMENT OF CIVIL ENGINEERING.

H. K. Vedder	Professor	2500.00		2500.00
	Asst. "			
C. A. Melick	" "	1900.00		1900.00
R. G. Saxton	Instructor	1500.00		1500.00
C. M. Cade	"	1500.00		1500.00
E. H. Meyer	"	1000.00		1000.00
W. W. Hitchcock	"	1300.00		1300.00
B. K. Philp	"	1300.00		1300.00

DEPARTMENT OF MECHANICAL ENGINEERING.

J. A. Polson	Asso. Prof.	2300.00		2300.00
E. G. Greenman	Asst. "	1800.00		1800.00
Ernest Evans	Foreman Machine Shop	1200.00		1200.00
J. L. Morse	Inst. M. Egr.	1400.00		1400.00
Jay Smith	Asst. Mach. Shop	750.00		750.00
Geo. Peters	Inst. Pattern Shop	900.00		900.00
	" M. Engr.	1000.00		1000.00
H. Garrison	" Pattern Shop	660.00		660.00
A. P. Krentel	Foreman " "	1200.00		1200.00
Jacob Eicher	" Foundry	1000.00		1000.00
W. R. Holmes	" Forge	1000.00		1000.00
E. C. Crawford	Shop Engineer	780.00		780.00

Department of Physics and Electrical Engineering.

A. R. Sawyer	Professor	2800.00		2800.00
W. L. Lodge	Asst. " Phys.	1900.00		1900.00
C. W. Chapman	" " "	1800.00		1800.00
W. E. Laycock	Inst. in "	1400.00		1400.00
O. L. Snow	" in Phys. & E.E.	1300.00		1300.00
M. M. Cory	" " E.E.	1500.00		1500.00

DIVISION OF SCIENCE & LETTERS

DEPARTMENT OF BACTERIOLOGY

Ward Gilther	Professor	1800.00	\$ 700.00	2500.00
Zae Northrup	Asst. Prof.	1250.00	250.00	1500.00
E. T. Hallman	" "	1150.00	750.00	1900.00
W. L. Kulp	Instructor	1100.00		1100.00
L. H. Cooledge	Res. Asst.	650.00	850.00	1500.00
C. W. Brown	" "		1800.00	1800.00
W. S. Robbins	" "		1600.00	1600.00
J. F. Morgan	" "		1500.00	1500.00
	Grad. "	400.00		400.00 ($\frac{1}{2}$ time)
	" "	400.00		400.00 ($\frac{1}{2}$ time)
	" "	200.00		200.00 ($\frac{1}{4}$ time)
	" "	200.00		200.00 ($\frac{1}{4}$ time)

6/16/15

Name	Title	Current	Exp. Station	Total
DEPARTMENT OF BOTANY.				
Ernst A. Bessey	Professor	\$2300.00	\$ 200.00	\$2500.00
Richard deZeeuw	Asst. Prof.	1800.00		1800.00
H. F. Darlington	" "	1500.00		1500.00
Rose M. Taylor	Instructor	1200.00		1200.00
G. H. Coons	Res. Asst. Plant Pathology	700.00	1050.00	1750.00
R. P. Hibbard	Res. Asst. Plant Physiology	750.00	1000.00	1750.00
Bertha Thompson	Inst. Botany	1100.00		1100.00
G. R. Johnstone	" "	1100.00		1100.00
E. F. Woodcock	" "	1300.00		1300.00
M. T. Munn	Fellow Plant Path.	400.00		400.00 (1/2 time)
G. H. Muncie	Asst. Plant Path.	400.00	1300.00	400.00 (1/2 time) 1300.00

DEPARTMENT OF CHEMISTRY.

F. S. Kedzie	Professor	3300.00		3300.00
A. J. Clark	Asso. "	2300.00		2300.00
R. C. Huston	Asst. "	2000.00		2000.00
B. E. Hartsuch	" "	1300.00		1300.00
	Instructor			
D. C. Carpenter	"	1150.00		1150.00
	"	1000.00		1000.00
W. P. Wood	"	1100.00		1100.00
H. L. Publow	"	900.00		900.00
D. T. Ewing	"	1100.00		1100.00

DEPARTMENT OF ENGLISH.

W. W. Johnston	Professor	2500.00		2500.00
E. S. King	Asst. Prof. Pub. Speaking	1700.00		1700.00
E. G. Fischer	" "German	1500.00		1500.00
Milton Simpson	" "English	1600.00		1600.00
L. B. Mayne	Instructor "	1200.00		1200.00
C. B. Mitchell	Asst. Prof. Pub. Speaking	1400.00		1400.00
Mrs. Geo. A. Robson	Instructor Mod. Languages	1000.00		1000.00
Norma L. Gilchrist	Instructor Mod. Lang.	1000.00		1000.00
C. C. Armstrong	" Eng. & Pub. Spk.	1000.00		1000.00
O. Stepanek	" "	1100.00		1100.00
W. A. Robinson	" "	1000.00		1000.00
J. Q. Owen	" "	900.00		900.00

Department of Entomology.

R. H. Pettit	Professor	2100.00	400.00	2500.00
G. D. Shafer	Asst. Prof.	400.00	1800.00	2200.00
Eugenia McDaniel	Instructor	950.00	250.00	1200.00
G. C. Woodin	"	600.00	500.00	1100.00
F. E. Millen	Insp. Apiaries & Inst. Bee-keeping	400.00		400.00

Mr. Millen's salary totals \$1400.00, the difference of \$1000.00 being paid by the Auditor General.

DEPARTMENT OF HISTORY AND ECONOMICS.

W. O. Hedrick	Professor	2800.00		2800.00
E. H. Ryder	Asso. Prof.	2600.00		2600.00
M. A. Hendrick	Instructor Hist.	900.00		900.00
C. S. Dunford	Asst. Prof. Econo	1300.00		1300.00

DEPARTMENT OF MATHEMATICS.

L. C. Plant	Professor	2800.00		2800.00
L. C. Emmons	Asst. "	1900.00		1900.00
M. F. Johnson	" "	1500.00		1500.00
S. E. Crowe	Instructor	1300.00		1300.00
R. H. Reece	"	1400.00		1400.00
Guy A. Speaker	"	1300.00		1300.00
W. M. Wible	"	1250.00		1250.00
E. C. Kiefer	"	1100.00		1100.00
W. A. Reinert	"	1250.00		1250.00

DEPARTMENT OF MILITARY SCIENCE.

P. J. Cross	Seargt.	1000.00		1000.00
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Name	Title	Current	Exp. Station	Total
DEPARTMENT OF PHYSICAL CULTURE				
J. F. Macklin	Professor	\$3000.00		\$3000.00
DEPARTMENT OF ZOOLOGY				
W. B. Barrows	Professor	2500.00		2500.00
B. B. Roseboom	Asst. Prof. Physiology	1500.00		1500.00
F. A. Burt	" " Geology	1500.00		1500.00
A. C. Conger	Instructor	1400.00		1400.00
V. E. LeRoy	" Zool. & Physiol.	1200.00		1200.00
W. E. Eastman	" "	1100.00		1100.00
	" " Not more	1000.00		1000.00
DIVISION OF VETERINARY SCIENCE				
R. P. Lyman	Dean	3300.00		3300.00
F. W. Chamberlin	Asst. Prof. Comp. Anatomy	2100.00		2100.00
J. S. McDaniel	" " Vet. Sci. & Pharmacology	1700.00		1700.00
J. P. Hutton	" Prof. Vet. Sur.	1800.00		1800.00
DIVISION OF AGRICULTURE.				
R. S. Shaw	Dean	2300.00	\$1500.00	3800.00
	Dir. Short Courses	1200.00		1200.00
DEPARTMENT OF AGRICULTURAL EDUCATION.				
W. H. French	Professor	2800.00		2800.00
E. L. Grover	Asst. in Ag. Ed.	1700.00		1700.00
DEPARTMENT OF ANIMAL HUSBANDRY.				
G. A. Brown	Asst. Prof.	1800.00	200.00	2000.00
E. J. Edwards	Instructor	1650.00		1650.00
	" Not more	200.00		200.00
C. A. Tyler	Field Agt. For.	1500.00		1500.00
DEPARTMENT OF POULTRY.				
C. H. Burgess	Asst. Prof.	1200.00	200.00	1400.00
DEPARTMENT OF DAIRY HUSBANDRY.				
A. C. Anderson	Professor	2600.00	200.00	2800.00
C. E. Newlander	Inst. Dairy Mgrs.	1600.00		1600.00
H. E. Dennison	" Husbandry	1450.00		1450.00
W. D. Meltzer	" Dairying	1150.00		1150.00
F. W. Small	" "	1050.00		1050.00
Louisa D. Landstrom	Clerk	700.00		700.00
Alison Ransford	Inst. Cheese-Making	720.00		720.00
J. E. Burnett	Inst. Dairy Husb.	900.00		900.00
DEPARTMENT OF FARM CROPS.				
V. M. Shoesmith	Professor	2500.00	300.00	2800.00
F. A. Spragg	Expert in Plant Breeding	450.00	1500.00	1950.00
Jos. F. Cox	Asst. Prof. Crops	1700.00		1700.00
	Instructor	1200.00	Not more	1200.00
DEPARTMENT OF FARM & HORSES				
R. S. Hudson	Foreman	1400.00		1400.00
DEPARTMENT OF FARM MECHANICS				
H. H. Musselman	Asst. Prof.	1650.00	350.00	2000.00
Andrew Watt	Foreman Blacksmith Shop	1000.00		1000.00
Floyd E. Fogle	Instructor	950.00		950.00
	" 65.00 Mo.			65.00 Mo.
DEPARTMENT OF FARM MANAGEMENT				
Eben Mumford	Director	800.00		800.00
C. P. Reed	Dist. Manager	500.00		500.00

Name	Title	Current	Exp. Station	Total
DEPARTMENT OF FORESTRY.				
-A. K. Chittenden	Professor	2600.00	200.00	2800.00
-F. H. Sanford	Asst. Prof.	2000.00		2000.00
-W. I. Gilson	Instructor	1800.00		1800.00
-S. V. Klem	"	1800.00		1800.00
-J. J. Hendryx	Foreman Forest Nursery	750.00		750.00
DEPARTMENT OF HORTICULTURE.				
-H. J. Eustace	Professor	2100.00	900.00	3000.00
-C. P. Halligan	Asso. Prof.	2100.00	300.00	2400.00
-Thos. Gunson	Inst. & Supt. of Grounds	1600.00		1600.00
-R. E. Loree	Instructor	1350.00		1350.00
-A. H. Davis	Foreman Gardens	700.00		700.00
DEPARTMENT OF SOILS.				
-M. M. McCool	Professor	2200.00	600.00	2800.00
-C. H. Spurway	Asst. Prof.	1750.00		1750.00
-G. M. Grantham	Instructor	1350.00		1350.00
-Geo. Bouyoucos	Res. Asst. in Soils		2000.00	2000.00
	Instructor	1500.00	Not more	1500.00
EXPERIMENT STATION.				
-Andrew J. Patten	Chemist		2600.00	2600.00
-C. S. Robinson	Res. Asst. Chem.		1950.00	1950.00
-O. B. Winter	Asst. in "		1600.00	1600.00
	" " "		900.00	900.00
-W. C. Dutton	Asst. Horticulturist		1500.00	1500.00
-F. T. Riddell	Field Investigator Dairying		1050.00	1050.00
-Myra V. Bogue	Bulletin Clerk		660.00	660.00

EXTENSION BUDGET.

Name	Title	Salary	U.S.D.A.	Smith-Lever
-R. J. Baldwin	Dir. Extension Work	\$2000.00		
	Office and travel			\$ 600.00
-Eben Mumford	St. Leader County Agents	2300.00	\$1500.00	
	Office and travel			1000.00
-C. B. Cook	Co. Agt. Allegan County		600.00	600.00
-H. G. Smith	Co. Agt. Alpena Co.		600.00	600.00
-J. W. Chapin	Co. Agt. Branch Co.		600.00	600.00
-J. F. Kadonsky	Co. Agt. Gogebic Co.		600.00	600.00
-L. M. Geismar	Co. Agt. Houghton Co.		600.00	600.00
-R. G. Hoopingarner	Co. Agt. Iron Co.		600.00	600.00
-Jason Woodman	Co. Agt. Kalamazoo Co.		1200.00	
-J. H. Skinner	Co. Agt. Kent Co.		600.00	700.00
-H. B. Blandford	Co. Agt. Nawaygo Co.		600.00	600.00
-C. L. Brody	Co. Agt. St. Clair Co.		600.00	600.00
-E. P. Robinson	Co. Agt. Saginaw Co.		600.00	600.00
-J. F. Zimmer	Co. Agt. Wexford Co.		600.00	600.00
-J. M. Wendt	Co. Agt. St. Joseph Co.		600.00	600.00
-Paulina E. Raven	Ext. Rep. in H. Economics	1500.00		
	Expenses			600.00
-E. C. Lindemann	State Leader in Charge of Boys' and Girls' Clubs	1600.00		
	Expenses			800.00
-O. K. White	Ext. Rep. in Hort.	2000.00		
	Expenses			600.00

Name	Title	Salary	U.S.D.A.	Smith-Lever
C. W. Waid	Ext. Rep. in Hort Expenses	\$1700.00		\$800.00
C. P. Reed	Farm Management Demonstrator Expenses	1800.00	1300.00	500.00 800.00
O. E. Robey	Ext. Rep. in Farm Engineering Expenses	1200.00		600.00
W. F. Raven	Ext. Rep. in Upper Peninsula Expenses	2000.00		800.00
J. W. Weston	Asst. in Ext. in Upper Pen. Expenses	1200.00		800.00
General Extension Lecture work by College Faculty				500.00 Col.
Publications such as Home Economics Circulars and Boys' and Girls' Club Circulars				500.00 Col.
Extension Schools - Salary and Expenses - additional assistants				1400.00
NEW APPOINTMENTS AND PROPOSED NEW PROJECTS.				
Additional County Agents			4800.00	5000.00
Sept. 1, 1915,	Asst. in Entomology, Salary Expenses		Lever one-half College one-half	1000.00 500.00
Sept. 1, 1915.	Ext. Rep. in Home Economics, Salary Expenses			1400.00 500.00
Anna Cowles, Sept. 1, 1915.	Asst. in Home Economics Salary Expenses			800.00 Col. 500.00 "
Ivan Maystead July 1, 1915.	Ext. Rep. in Farm Crops Salary Expenses			1000.00 600.00
Sept. 1, 1915	Ext. Rep. in Farm Crops, Salary Expenses			1400.00 600.00
Sept. 1, 1915.	Ext. Rep. in Live Stock, Salary Expenses		U.S.D.A. one-half College one-half	1500.00 600.00
July 1, 1915 to Oct. 1, 1915.	Summer Asst. in U.P. Salary Expenses			225.00 Col. 180.00 Col.
July 1, 1915, to Oct. 1, 1915	Summer Asst. in Potato Diseases in Upper Peninsula, Salary Expenses			240.00 Col. 180.00 Col.
Total		\$16000.00	\$18000.00	48570.00

Funds contributed by the counties are not tabulated in this budget.

Deductions on account of new positions and additions to salaries not taking effect until September 1, 1915, will amount approximately \$1300.00

Smith-Lever Fund

Total Salaries	\$32850.00
Total Expenses	11500.00

College

Total Salaries	2365.00
Total Expenses	1860.00

On motion of Mr. Graham, the following apportionments for the six months ending Dec. 31, 1915, were adopted:

Apportion-
ments for
departments,
etc.

Advertising	\$2000.00	\$2000.00	Home Economics	\$1745.00
Agricultural Education	400.00		Horticulture	3000.00
Athletics	300.00		Hospitals	300.00
Bacteriology	6000.00		Library	1915.00
Animal Husbandry	1500.00		Mathematics	525.00
Botany	2800.00		Mechanical Engineering	4000.00
Chemistry	1000.00		Meteorology	50.00
Civil Engineering	500.00		Military Science	500.00
Cleaning	1200.00		Miscellaneous	-----
College Extension	700.00		Office, President's	400.00
Contingent Building	-----		Office, Secretary's	630.00
Crops	675.00		Physics & Electrical Engr.	1500.00
Dairy Husbandry	1500.00		Poultry	1685.00
Dean's Office	840.00		Registrar	470.00
Drawing	295.00		Salaries	145000.00
Electric Lighting	1500.00		Soils	1860.00
English	315.00		Special Courses	-----
Entomology	505.00		Telephones	300.00
Farm & Horses	596.00		Veterinary Science	2200.00
Farm Management	2500.00		Zoology	500.00
Farm Mechanics	785.00		Dean of Summer School	675.00
Forestry	800.00		Lever Fund, State	18000.00
Freight & Cartage	1000.00		Seed Analysis	-----
Heating	18000.00			
History	75.00			

Apportionment for the following departments continue
until July 1, 1916.

Bulletins	7000.00
Farmers' Institutes	-----
South Haven Exp. Station	2000.00
Upper Peninsula Exp. Sta.	6350.00

On motion of Mr. Woodman, the expense accounts of the Board Members were allowed.

Exp. acc'ts. of
Board allowed

Mr. Graham submitted the following report of the examination of the accounts of A. M. Brown, Secretary, by the State Accountant.

Report of
State
Accountant.

December 19, 1914.

Mr. Robert D. Graham,
President, State Board of Agriculture,
Grand Rapids, Mich.

Dear sir:

Enclosed find statement covering the examination of the accounts of Mr. A. M. Brown, Secretary of the Michigan Agricultural College. This examination takes up the accounts as they appear at the close of business November 30, 1914, to and including December 16, 1914.

Page 1 is a condensed statement showing the condition of the accounts of Mr. Brown, as secretary. Pages 2 to 8 inclusive are auxiliary statements summarized upon page 1.

You will notice that the cash on deposit in the City National Bank to the credit of the Secretary, together with State treasurer's check in his hands, exactly agrees with the demands of institution accounts.

Very respectfully,
Oramel B. Fuller,
Auditor General.

Dictated by
Fred Z. Hamilton,
General Accountant.

(A)

-1-

State of Michigan
AUDITOR GENERAL'S DEPARTMENT,
General Accountant's Division.

East Lansing, Michigan, December 17, 1914.

Financial statement in connection with the examination of A. M. Brown, Secretary, Michigan Agriculture College.

Balance on hand as shown by last account current on file in this department for the month ending November 30, 1914,	\$30338.21
Add receipts since as per sheet "B"	4392.17
Amount available to date	34730.38
Deduct disbursements as per sheet "C"	3424.43
Balance on hand at close of day December 16, 1914, as per Institution accounts	31305.95

Cash in hands of A. M. Brown, Sec'y.,
as per sheet "D" night of Dec. 16, 1914, \$1672.77
Bank balance of Secretary as per sheet

"E" at close of business Dec. 16, 1914, \$30654.78
 Deduct outstanding checks as per
 sheet "G" night of Dec. 16, 1914, 1021.60 29633.18
 Cash in Secretary's hand and in
 bank at close of day December 16, 1914 31305.95

Very respectfully,
 Fred Z. Hamilton,
 General Accountant.

(B)

-2-

Statement of receipts at the Michigan Agricultural College since November 30, 1914, to December 16, 1914, inclusive, as shown by triplicate receipts furnished by the institution.

Date	Name	Amount
1914.		
Dec. 5	A. M. Brown, Secretary, Student fees	\$ 16.25
	" License fees	6.50
	A. W. Nielson, et al Culture "	16.00
	A. M. Brown, Secretary, Sundry persons	1364.51
	R. J. Lingo	133.18
	A. M. Brown, Secretary	1182.96
Dec. 12	" Student Fees	6.34
	" Inspection "	36.00
	" Fertilizer licenses	60.00
		<u>1570.43</u>
		\$4392.17

(C)

-3-

Statement of disbursements at the Michigan Agricultural College since November 30, 1914, to December 16, 1914, inclusive as shown by vouchers furnished by the institution.

1914.		
Dec. 2, 101226	Ward Giltner	4.26
3, 7	R. D. Bailey	82.48
8	R. R. McDonald, et al - laborers pay-roll	240.58
4, 9	V. M. Shoesmith	3.22
30	B. A. Douma	10.72
1	G. L. White	19.16
2	R. F. Lang	4.53
3	J. B. Brown	22.85
4	Lemcke & Buchner	1.46
5	G. W. Jones	10.00
6	Crosby Steam Gage Co.	6.11
7	Michigan State Telephone Co.	37.75
8	Dr. W. J. Beal	97.80
9	I. R. Noteware, et al, Sundry persons	8.00
40	No. Dakota Agricultural College	25.00
1	Geo. T. Carpenter, laborers pay-roll	132.50
2	Michigan State Telephone Co.	9.00
5, 3	A. R. Potts	11.98
4	O. K. White	21.50
7, 5	C. W. Waid	5.50
8, 6	American Laundry	77.90
9, 7	Lansing Fuel & Gas Co.	152.54
8	"	10.50
9	P.M.R.R.	26.51
10, 50	I. K. Maystead	3.44
1, 1	L. R. Himmelberger	3.70
11, 2	F. M. Hope	20.75
3	Helen M. Green	3.75
4	M. M. McCool	8.47
5	V. M. Shoesmith	.36
6	R. H. Pettit	5.69
7	H. J. Eustace	10.19
8	" " "	5.25
9	J. B. Brown	40.60
60	Helen A. Hill	48.35
12, 1	A. R. Potts	9.81
2	E. L. Grover	5.39
3	C. W. Waid	13.09
14, 4	W. H. French	4.91
5	C. D. Woodbury, Rent of land	234.68
6	R. S. Shaw	3.52
7	Victor Clavey	164.82
8	R. S. Shaw	19.92
9	E. C. Lindemann	41.27
70	Commercial Coal Co.,	1084.18
1	Albert Peck & Co.,	173.10
2	A. M. Brown	3.36

(G)

List of checks outstanding at close of bank hours December 16, 1914.
 No. 101296, Date Dec. 16, 1914, Name E. A. Bessey, Amount \$6.60, of last
 check drawn prior to date of examination. Also list of Vouchers paid thereby.

List of Checks outstanding

List of vouchers paid thereby.

No.	Date	Name	Amount	No.	Date	Name	Amount
	1912						
91842	3/26	Earl Allen	\$36.07			Same	
93746	10/31	Chas. Dodt	5.50			"	
	1914						
99572	6/24	Am. Asso. Of Park Supts.	.38			"	
99827	7/23	Haynes Bros.	.60			"	
100930	11/12	B. H. Ernsberger	48.44			"	
100945	11/16	F. L. Freel	5.00			"	
100979	11/20	C. T. Grettenberger	39.60			"	
101156	11/23	U. S. Geological Survey	15.51			"	
101175	11/24	Society of Am. Bacteriologist	3.32			"	
101216	11/30	C. P. Reed	19.02			"	
230	12/4	P. D. Douma	10.72			"	
231	"	G. L. White	19.16			"	
235	"	G. W. Jones	10.00			"	
240	"	No. Dak. Agl. College	25.00			"	
253	12/11	Helen M. Green	3.75			"	
255	"	V. M. Shoesmith	.36			"	
256	"	R. H. Pettit	5.69			"	
259	"	J. E. Brown	40.60			"	
260	"	Helen A. Hill	48.35			"	
266	12/14	R. S. Shaw	3.52			"	
268	"	"	19.92			"	
271	"	Albert Peck & Co.	173.10			"	
272	"	A. M. Brown	3.36			"	
273	"	I. J. Matthews	8.81			"	
275	"	Adams Express Co.	17.64			"	
276	"	L. S. & M. S. Ry. Co.	7.24			"	
277	"	C. P. Halligan	1.34			"	
278	"	"	6.15			"	
279	"	W. F. Raven	51.54			"	
280	"	R. G. Waldo	8.00			"	
281	"	Helen M. Green	2.50			"	
282	"	The McMillan Co.,	4.75			"	
283	"	Eldon Bemis	37.35			"	
284	"	J. C. Ranney	30.91			"	
285	"	H. S. Albin	32.01			"	
286	"	E. T. Marzke	14.01			"	
287	"	H. Tillotson	19.73			"	
288	"	C. G. Kurtz	50.77			"	
289	"	Fred Howsey	24.29			"	
290	"	B. B. Smith	23.02			"	
291	12/16	F. T. Bailey	102.60			"	
292	"	C. W. Waid	11.61			"	
293	"	G. H. Coons	6.50			"	
294	"	J. F. Cox	10.26			"	
295	"	R. W. Goss	7.00			"	
296	"	E. A. Bessey	6.60			"	
			<u>\$1021.60</u>				

On motion adjourned.

... *A. H. Brown* ...

Secretary.

and activities for the year 1915. The session opened June 23rd, and continues until July 30th.

<u>Enrollment:-</u>	1915	-	1914
Undergraduate Students,	143	-	84
Graduates of M.A.C.	21	-	9
Graduates of other institutions	20	-	30
Total	184	-	123
Net gain in attendance - fifty per cent.			
Number of teachers:			
Public School	25		20
College	9		10
Delinquents - 30; Advance - 148.			

Conferences:

During the ten days, July 6 to 16, the following conferences were held in connection with the Summer Session:

Conference of Housekeepers, 35 - 75 in attendance.

Conference of Teachers of Domestic Science and Domestic Art, 16 - 35 in attendance.

Conference of the Home Economics Section of the State Federation of Women's Clubs, 16 - 65 in attendance.

Conference of Rural Ministers, 20 - 35 in attendance.

Conference of Teachers of Agriculture in high schools, 15 - 22 in attendance.

Boys Camp, 30 in attendance.

I append copies of resolutions formulated and adopted by attendants upon these conferences expressing their appreciation of the efforts of the Board of Agriculture and the Faculty, and asking that these conferences be continued next year. Dean White and I recommend to you, that this request be complied with by continuing the conferences for Housekeepers and Teachers of Domestic Science and Domestic Art and for Rural Ministers.

Very truly yours,

E. H. Ryder, Director of Summer Session.

On motion of Mr. Beaumont, the following recommendations of President Snyder affecting the Veterinary Division and the Bacteriological Department, were adopted:

To the Hon. State Board of Agriculture:-

About sixteen years ago there was established in this institution a department of Bacteriology. This department, in addition to other lines of work, became strong and very active in the field of Animal Pathology. It has rendered very valuable service to the Veterinarians and Live Stock interests of the state.

Establish-
ment of
depts. of
Anatomy and
Animal Path-
ology

When the Veterinary division was established some ten years later, it found the field of Pathology, which should be the connecting link between the Veterinary division and the Live Stock interests of the state, well established in the Bacteriology department. The work has been carried on very efficiently by this department because it has been in charge of men who were trained Veterinarians as well as good Bacteriologists.

The field of Pathology, however, seems to belong rightfully to the Veterinary division and without any opportunity to be active in this field before the Veterinarians and the Live Stock men of the state, the division must remain somewhat in the back-ground. As you well know, this condition of affairs has caused considerable friction and embarrassment. This trouble has been the natural outgrowth of our plan of organization and not due to an unwillingness on the part of any one to cooperate. After having tried various plans, I recommend:

1. That there be established in the Veterinary division a department of Anatomy and a department of Animal Pathology and that the latter branch of work be transferred from the Bacteriology department to the Veterinary division. That the transfer as a part of the Animal Pathology department include also the preparation and distribution of hog cholera serum with all the equipment in connection therewith except that the hospital in connection with the Bacteriology department remain in charge of said department but may be used cooperatively by this department and the division of Veterinary Science.

2. That the field and extension work in Animal Pathology and the examination of all diseased animal tissues be carried on by the pathological department of the Veterinary division.

3. That the research work in tuberculosis, contagious abortion, hog cholera and other infectious animal diseases also the instructing of Veterinary students in Bacteriology remain ~~remain~~ in the Bacteriology department.

4. That Dr. E. T. Hallman, who is now Assistant Professor in the Bacteriology department in charge of Pathology work, be transferred to the Veterinary division and made Associate Professor of Animal Pathology. Also that Dr. F. W. Chamberlain, now Assistant Professor of Comparative Anatomy in the Veterinary division, be raised to the rank of Associate Professor and placed in charge of the department of Comparative Anatomy and that their salaries be respectively \$2100.00.

Respectfully,

J. L. Snyder.

On motion of Mr. Woodman, the President was authorized to increase the faculty representation on the Y.M.C.A. Board by two members.

On motion of Mr. Waterbury, Director Baldwin was authorized to employ Mr. J. N. McBride as Field Agent in Marketing at \$5.00 per day and expenses until further action is taken by the Board.

McBride,
Field Agt.
in Market-
ing.

The committee on Buildings and College Property made the following recommendation which was, on motion of Mr. Waterbury, adopted:

First, That the sheep barn at the Upper Peninsula Experiment Station be completed as originally planned; second, that an addition be built on the special chemical laboratory in the rear of Wells Hall; third, that the repairs and alterations requested by Prof. Anderson for the dairy barns be carried out; and fourth that the matter of changing the level of the floor in a portion of the chemical laboratory be referred to the architect for report at a future meeting of the Board.

Sheep Barn,
Add.to Chem.
Lab., repairs
for dairy
barns author-
ized.

On motion of Mr. Waterbury, the following resolution was adopted:

RESOLVED: That the administration of House Enrolled Act No. 77, in relation to the inspection and analysis of commercial feeding stuffs, and of House Enrolled Act No. 124, in reference to testing and standardizing galvanized wire fence, be placed in the hands of the Chemist of the Experiment Station.

Com'l. Feed-
ing Stuff &
Wire Fence
Matter to be
given to Mr.
Patten.

On motion of Mr. Wallace, the following resolution was adopted:

RESOLVED; That there is hereby appropriated under the provisions of House Enrolled Act No. 58, the sum of \$150,000.00 for the erection and equipment of a gymnasium at the Agricultural College.

Gym. to be
built.

The special committee to whom was referred the bids on military uniforms with power to act, made the following report:

TO THE STATE BOARD OF AGRICULTURE:
Gentlemen:-

Your committee to whom was referred the bids for furnishing military uniforms for the ensuing school year, submit the following report of its action in the matter.

Report on
Military
Uniforms.

Below is a tabulation of the bids as received.

Uniform
Bids

	Blouse	Trous.	Cap	Shirt	Ties	Col- lars	Belt
Jacob Reeds Sons, Philadelphia	7.00	3.40	1.25	2.75	.20	.20	.25
W. C. Rowland, "	6.70	3.30	1.70	2.50	.20	.18	.24
Henderson-Ames Co., Kalamazoo	6.85	3.60	1.50	2.50	.20	.15	.30
Standard Uniform Co., Chicago	7.10	3.90	1.25	2.75	.25	.25	.50
M. C. Lilley & Co., Columbus, O.	6.55	3.45	1.50	2.75	.25	.15	.30
Pettibone Bros. Mfg. Co., Cincinnati	6.60	3.40	1.25	2.75	.20	.10	.35
Horstman Co., Philadelphia	7.65	3.50	1.55	2.70	.15	.18	.35
Ihling Bros. & Everard, Kalamazoo	6.50	3.40	1.50	2.70	.25	.25	.35

Continued below (names repeated)

	Gloves	Total	Officers	Breeches	Puttees	
					Pigskin	Cowhide
Jacob Reeds Sons, Philadelphia	1.10	16.15	3.50		4.25	3.50
W. C. Rowland, "	1.25	16.07	4.25		4.50	3.50
Henderson-Ames Co., Kalamazoo	1.40	16.65	3.60		3.85	3.50
Standard Uniform Co., Chicago	1.55	17.55	3.90		3.50	2.50
M. C. Lilley & Co., Columbus, O.	1.40	16.35	4.00		5.00	4.00
Pettibone Bros. Mfg. Co., Cincinnati	1.60	16.35	3.40		4.25	2.75
Horstman Co., Philadelphia	1.65	17.73	4.35		4.00	3.50
Ihling Bros. & Everard, Kalamazoo	1.50	16.20	4.00		5.00	4.00

These were accompanied with sample uniforms except in one instance. After a very careful examination of these samples and a consideration of the prices quoted, the committee concluded that the bid of Jacob Reed's Sons of Philadelphia was low and the contract was awarded accordingly.

Respectfully submitted,

A. M. Brown,
C. D. Betts
P. J. Cross,
Committee.

The special committee to whom was referred the bids for coal with power to act, made the following report:

TO THE STATE BOARD OF AGRICULTURE:

Gentlemen:-

Your committee to whom was referred the bids for furnishing coal to the College for the ensuing year, herewith submits the following report of its action.

Below is a tabulation of the bids as submitted. You will note that there was only one bid on Michigan coal and that was made by a jobber and was far from low.

Coal Bids

		Slack	Lp.	B.T.U.	
				Slack	Lp.
Parker Bros. Co., Detroit	Island Creek, W.Va.	2.55	2.80	13800	--
H.S.Odbert Coal Co., "	W. Va.	2.40	2.80	13900	14200
Detroit & Pittsburg Coal Co., Det.	Nagola Island Creek, W.Va.	2.50	2.80	14000	14200
Commercial Coal Co., "	Dorothy, W.Va.	2.30	2.80	14500	14700
" " "	Fairmont, W.Va.	2.30	2.70	13900	----
Consolidation Coal Co., Detroit	Fairmont	2.50	2.90	13600	14050
W. H. Warner Coal Co. "	W.Va.	2.42	2.70	14000	14200
Ohio & Mich. Coal Co. "	W. Va.	2.45	2.75	14000	14300
United Fuel & Supply Co. "	W. Va.	2.55	2.80	14000	14200
Michigan Coal Co., Lansing	W. Va.	2.40	2.80	14000	----
" " " "	Michigan	2.50	2.80	12000	----
C. G. Blake Co., Cincinnati	Blake New River, Smokeless	3.00	----	14300	----
" " " " "	" Kanawha Splint	----	3.30	----	14200
Bewley-Darst Coal Co., Richmond, Ind.	Harlan Co. Ky.	2.51	3.16	14000	14000
Elmer Miller Coal Co., Toledo	Main Island Creek	2.50	2.80	14000	14300
" " " " "	Buffalo Ck. Wash Screening	2.35	2.80	13500	14600
Progressive Coal Co., Detroit	Procco, W. Va.	2.45	2.80	14000	14600

		B.T.U.	
		Slack $\frac{3}{4}$ Lp.	Slack $\frac{3}{4}$ Lp.
J. W. Dykstra Co., Detroit	Blue Star W. Va.	2.50 ---	14000 ----
" " " "	Peacock Pomeroy W. Va.	2.30 ---	13000 ----
" " " "	Clifford Mine Ohio	--- 2.85	-----
Houston Coal Co., "	Houston Poch.Slack,W.Va.	2.55 2.85	13700 14000
Southland Coal Co. "	W. Va.	2.40 2.90	13800 14100
" " " "	Poch. Slack	2.70 ----	14300 ----
Beech Creek Coal Co."	W.Va.	2.40 2.75	14050 14200
" " " "	Beech Creek Slack	2.35 2.70	13850 13951
United Coal Sales Co.,Detroit	Ella Main Island Creek	--- 2.80	----- 14000
Moreland Coke Co.,Pittsburg	W. Va.	2.47 2.80	14000 14200
" " " "	Youghiogheny Gas Coal	2.50 2.80	13800 14300
Morgan Andrews Coal Co.,Detroit	W. Va.	2.45 2.80	-----
M. O. Dewey & Co.,Jackson	Island Creek	2.48 2.85	14300 ----
" " " "	Pittsburg #8	2.33 2.70	13500 ----
O'Gara Coal Co., Chicago	W. Va.	2.65 2.95	13400 ----
Indian Run Coal Co,Charleston,W.Va.	W. Va.	2.35 2.75	13400 14000
Jno.T. Hesser Coal Co., Detroit	W. Va.	2.50 2.80	14100 14500
W. Va.Poch.Coal Sales Cor.,Det.	Panther Mine Run	--- 2.70	----- 14500
" " " " " "	1 $\frac{3}{4}$ " Lump	--- 2.90	----- 14600
J.G.Hoffman, Detroit	W. Va.	2.40 2.80	14000 14400
Reliance Coal & Coke Co.,Cincinnati	Logan W. Va.	2.50 2.90	14200 14200
" " " " " "	Kentucky Blue Jacket	2.50 ---	14200 ----
Lorain Coal & Dock Co.,Detroit	Logan W. Va.	2.44 2.70	14000 14500
" " " " " "	Ohio Pittsburg	2.35 2.70	13000 13500
Jewett Bigelow & Brooks	Irquois W. Va.	2.52 2.85	13500 ----
Interstate Coal Co.,Columbus	King Poch.Slack	3.00 ---	14600 ----
" " " " " "	Marvin Thacker	--- 2.85	----- 14500
F. P. Weaver Coal Co.,Buffalo	Liberty Smokeless(Penn)	3.25 3.35	14250 14300
Purzglove Maher Coal Co.,Detroit	Island Creek	2.40 2.70	14300 ----
" " " " " "	Pittsburg #8	2.30 2.65	13000 ----
Smokeless Fuel Co.,Cincinnati	W. Va.	2.40 2.80	13500 13500
Jones-Parsons Coal Co.,Toledo	W. Va.	2.50 2.90	13800 14500
Wyatt Coal Co.,Richmond, Va.	W. Va.	2.55 2.95	13500 14000
Geo. M. Jones Coal Co., Toledo	Pultney Slack	2.30 2.65	13500 ----
Island Creek Coal Sales Co.,Det.	Island Creek	2.55 2.90	14100 14100
The France Coal Co., Toledo	Kentucky Hummer	2.50 ---	14000 ----
" " " " " "	W. Va.	2.50 2.80	14000 14000
The Evans Coal Co., Fort Wayne,Ind.	W. Va.	2.47 2.69	13500 ----
" " " " " "	Harlan Ky.	2.44 ---	13800 ----
Logan Pocahontas Fuel Co.,Detroit	W.Va.	2.55 2.70	14000 14000
" " " " " "	W.Va.Splint	2.40 ---	13700 ----
C. C. Corey	Genuine Island Ck.	2.40 2.80	14050 14200
Mancourt-Winters Coal Co.,	W. Va.	2.45 2.85	14000 14000
Ayers & Lang	W. Va.	2.54 2.75	14000 13700
" " " "	Kentucky	2.50 3.00	13800 14200
" " " "	Pittsburg #8	2.45 2.85	13300 13500
J. S. Wentz Co.	Harlan Ky.	2.48 ---	13800 ----

Coal Bids.

A careful consideration of these proposals convinced us that the bid of the Commercial Coal Company of Detroit who had our contract last year, was low in view of the quality of the coal, and the contract was accordingly awarded to that company.

Coal Contract awarded.

Respectfully submitted,
A. M. Brown,
C. D. Betts
Committee.

Prof. Vedder made the following report in reference to the farm lane

bridge:

July 8, 1915.

Secretary A. M. Brown,
College.

Dear Sir:-

As the result of a very careful investigation of the Farm Lane bridge made by Professor C. A. Melick, he arrived at the following conclusions:

Report concerning farm lane bridge.

"Deterioration due to rusting seems to have pitted the metal to a depth of only about 1/64". The abutments are sadly in need of backwalls as the truss shoes are neatly covered up with moist earth. The truss alignment is very poor, showing a lateral variation of over 2 inches.

The vibration is excessive due to an entire lack of rigid details. The posts are improperly and really not at all connected to floor beams. Both posts and chords are entirely lacking in lacing and the battens are at too infrequent intervals to be at all effective. The hangers are seriously deficient in not having upset ends.

Finally - it is concluded that any further addition of weight to this structure is to be considered as seriously inadvisable."

My first inspection of this bridge made over twenty years ago easily classified it as one of a type quite common in this country, of indifferent design and very poor construction. A partial stress diagram on file in my office made by Prof. R. C. Carpenter, presumably before the bridge was purchased, indicates that relatively light loading was proposed, and evidently this intention was carried out. The bridge was and is capable of sustaining only the lightest "country traffic." Any significant addition to its floor system will reduce its capacity.

A good plank flooring, renewed when necessary, is the consistent thing to use with this bridge. If a higher type of floor is desired or if very heavy loads are to cross the bridge at frequent intervals, a new bridge is necessary.

Very truly yours,

H. K. Vedder.

On motion of Mr. Doherty, the Secretary was authorized to replank the bridge according to the suggestions contained in the report.

Donation of
birds' eggs
accepted.

President Snyder presented a letter from Prof. Barrows announcing the gift of a very large collection of foreign and American birds' eggs to the College by Mrs. Mary Pomeroy of Kalamazoo. On motion of Mr. Beaumont, the gift was accepted and the Secretary directed to make suitable acknowledgment to the donor.

The special committee on the gymnasium, consisting of Mr. Doherty and Mr. Wallace, made the following recommendation, which on motion of Mr. Doherty was approved:

Bowd to pre-
pare bldg.
plans for
gym.

Your committee on gymnasium recommend that Mr. Bowd, the College Architect, prepare a set of building plans for the gymnasium building in accordance with the sketch submitted to the Board, and present them at the next meeting of the Board, and that the plan shall contemplate a 16 lap track.

On motion of Mr. Doherty, the following report of the committee on employees was adopted:

The Committee on Employees recommends as follows:

Report of
Committee
on Employees

- That M.M. Cory and R.G. Saxton be given the title of Assistant Professor.
- That the following increases in salary be made:
 - Mrs. L. E. Landon, \$100.00.
 - Mr. C.W. Waid, \$100.00 in addition to previous increase.
 - H. E. Dennison, W. D. Meltzer and F. W. Small be given \$50.00 additional increase.
- Prof. W. L. Lodge and C. W. Chapman be given additional increases of \$100.00.
- Mr. E. C. Kiefer be given an increase of \$100.00 to compensate him as assistant to Professor Clark in conducting the band.
- That H. L. Publow's salary be made \$1000.00 instead of \$900.00.
- That Mrs. N. L. Eastman be elected Matron at a salary of \$500.00.
- That Mr. J. F. Francis be employed in the Poultry department at a salary of \$900.00
- That \$500.00 be paid to the Y. M. C. A. Secretary for services as Student Employment Agent.
- That Professor Fred Killeen be employed as Instructor in Voice at a salary of \$500.00. He is to have charge of the Chorus, Mens Glee Club and such other work as may be assigned him. It is understood, however, that this does not employ Professor Killeen for full time; he is still at liberty to conduct his private work.
- Professor E. H. Ryder, be given a salary of \$2800 with the understanding that he is to conduct the Summer School and Summer Conferences for which he is not to receive extra compensation.
- That the salary of \$1000.00 set apart for a teacher of German and French be raised to \$1200.00 provided a teacher cannot be secured for a less amount.
- That the salaries of Mr. Penner of the Bacteriology department and Mr. Churchill of the Chemistry department be increased from \$60.00 to \$70.00 per month, and that Mr. Groat, the Nightwatchman, be given a \$50.00 increase in salary.

Authority is hereby given the President of the College and the heads of departments to fill vacancies at salaries not to exceed those authorized by the Board

Authority is given the President and the Secretary of the College to employ and arrange Stenographers necessary to meet the demands of the departments.

That Professor A. J. Patten be given a salary of \$2800.00.

That Dr. G. J. Bouyoucos be given an additional increase of \$200.00.

That W. S. Robbins of the Bacteriology department be given an increase of \$100.00.

That Dr. J. S. McDaniel be given an increase of \$100.00.

That the department of Mechanical Engineering be given another instructor at a salary not to exceed \$1000.00.

That Dean Bissell's request for leave of absence for the fall term be recommended and it is also recommended that Prof. J. A. Polson be placed in charge of Dean Bissell's work with full authority to carry on the work in every detail. For this extra service he shall be given \$200.00 extra for the fall term.

That D. T. Ewing's increase shall be made \$150.00 instead of \$100.00.

That the following persons be given the rank of Associate Professor: G. A. Brown, H. H. Musselman, G. D. Shafer, W. L. Lodge, R. C. Huston and Richard DeZeeuw.

On motion of Mr. Graham, the following distribution of the Experiment Station Funds for the ensuing year, was approved including the appropriation of \$15555 from College Funds.

July 21, 1915.

Secretary A. M. Brown,
East Lansing, Michigan.

My dear Sir:-

In addition to the increases which have already been made to the salaries of Experiment workers, the following recommendations relative to department needs have been approved by the Station Council for the year ending June 30, 1916.

- Chemistry:
- (1) An increase of \$100.00 on salary of analyst to succeed Ove Jensen.....\$100.00
 - (2) An additional analyst for inspection work.....1100.00
 - (3) For the last half year still another analyst @ \$900.00 and a collector @ \$1000.00..... 950.00
 - (4) The addition of \$500.00 to State budget for additional laboratory operations. 500.00

Distribu-
tion of
Exp.Sta.
funds.

Dairy Husbandry:

- (1) An additional man to investigate cost of milk production..... 900.00
- (2) For field expenses \$450.00 each for two men... 900.00

Animal Husbandry:

- (1) To cover operating expenses of experiments now in progress with sheep and swine..... 500.00

Horticulture:

- (1) New man to engage in Plant Breeding work.....1000.00
- (2) New man to engage in investigations relating to seed production1000.00
- (3) For maintenance \$500.00 each.....1000.00

Bacteriology:

- (1) The reestablishment of the position formerly held by Dr. Himmelberger in Adams work with increase of \$200.00..... 200.00
- (2) Additional funds for Miss Northrup's work.... 100.00
- (3) Transfer of \$300.00 from Chemistry to Bacteriology for Hallman's work replaced by state... 300.00
- (4) Addition of State funds for Cooleage..... 200.00
- (5) Additional funds for hog cholera research, State 250.00

Botany:

- (1) Transfer \$100.00 Adams from Chemistry to Project 5a Coons, replace by State...100.00
- (2) Additional funds for Coons Hatch work, State.....100.00
- (3) To complete celery disease investigations 850.00
- (4) Additional man for potato disease investigations salary one-half time \$500 -maintenance.\$250.00.....750.00

Part of these items have been included in the revised budget submitted herewith. The following amounts are not so included, viz:

Assist. in Chemistry	(1) Analyst Experiment Station, Chemistry	1100.00
" " "	(2) Analyst last half year, Chem....	450.00
" " "	(3) Collector last half year, "	500.00
" " Dairy Hsb.	(4) Additional man--milk production investigations.....	900.00
Research Asst.	(5) Two new men, Horticultural investigations....	2000.00
	(6) Operating expenses Hort.men...	1000.00
Asst.in Plant Path.	(7) Man to investigate potato diseases.....	500.00
	(8) Operating expenses for (7)....	250.00
	Total additional not included in budget.....	6700.00
	Salaries included in budget...	15505.00
	Op.Exp.included in budget....	8350.00
	Total.....	30555.00
	Estimated receipts from fees, etc.....	15000.00
	State appropriation requested	15555.00

This sum is not much greater than that asked for last year, though the expansion of work is quite marked. It is accounted for by the greatly increased estimate of receipt from fees, etc.

Very truly yours,

R. S. Shaw,

Dean and Director.

EXPERIMENT STATION DEPARTMENT APPORTIONMENTS.

Name	Position	Salaries.				Apportionments			
		Hatch	Adams	State	Col.	Hatch	Adams	State	
Snyder, J.L.....	Pres. of College....				5500				
Shaw, R.S.....	Director Exp. Sta....	1000		500	2300	500		500	
Eustace, H.J.....	Horticulturist & Vice Director...	400		500	2100	600		700	
Pettit, R.H.....	Entomologist.....	400			2100	600			
Patten, A.J.....	Chemist.....	750	500	1350		900	450	2000	
Anderson, A.C.....	Dairy Husbandman...	200			2600			450 (for new man)	
Bessey, E.A.....	Botanist.....	200			2300			850 (celery)	
Shoemith, V.M....	Farm Crops.....	300			2500	600		700	
Chittenden, A.K....	Forester.....			200	2600				
McCool, M. M.....	Soil Physicist.....	200		400	2200	335	500		
Giltner, Ward.....	Bacteriologist (Acting)	400	300		1800	150		250	
Halligan, C.P.....	Asso. Horticulturist			300	2100				
Brown, G.A.....	Asso. Animal Husband- man.....	200			1800			500	
Musselman, H.H....	Asso. Farm Mechanics			350	1650				
Burgess, C.H.....	Asst. Poultry Husb...			200	1200				
Northrup, Zae.....	Asst. Bacteriologist	250			1250	500		100	
Shafer, G.D.....	Res. Asst. Entomology.		1500	300	400		400		
Hallman, E.T.....	" Bacteriology	300	450		1150		600		
Brown, C.W.....	" "		1000	800			300		
Coolidge, L.H.....	" "		600	250	650		200	200	
Morgan, J.F.....	" "		1200	300			400		
Robinson, C.S.....	" Chemistry...		1500	450			350		
Winter, O.B.....	" "	750		850					
Hibbard, R.P.....	" Plant Phys..		1000		750		500		
Coons, G. H.....	" " Pathology.	550	500		700	300	300	100	
Bouyoucos, G. J....	" Soil Physics		1500	500					
F. A. Spragg.....	" Crops (Plant Breeding)	1500			450				
(New Man).....	" Horticulture			1000				500	
(New Man).....	" "			1000				500	
McDaniels, Eugenia	Asst. in Entomo.....	250			950				
Dutton, W.C.....	" " Hort.....	600		900					
Woodin, G.C.....	" " Entomo.....	500			600				
(New Man)(Himmelberger)	Asst. in Bacty.....		700		500		250	250	
(New Man)(Jensen)	" " Chemistry..	400		600					
(New Man).....	" " "			1100					
(New Man).....	" " "			500 (1/2 Yr)					
Muncie, J.H.....	" " Plant Path...			1300				500	
(New Man).....	" " " "			500 (1/2 Yr)				250	
Robbins, W.S.....	" " Bacteriology			1700				200	
2 Scholarships....	" " "			800					
Riddell, F.T.....	" " Dairying....			1050				450	
(New Man).....	" " "			900					
(New Man).....	" " Chemistry...			450 (1/2 Yr)					
Brown, A.M.....	Secretary.....	500		200	2500			300	
Landon, Mrs.....	Librarian.....	120			1180	745			
Schepers, J.....	Cashier.....			200	1700				
Maxwell, Lena M...	Bookkeeper.....			100	900				
Meech, M.A.....	Clerk.....			125	975				
Bogue, M.V.....	Bulletin Clerk.....			660				300	
Baker, B.E.....	Stenographer.....			350	350				
North, M.L.....	"			270	330				
		9770	10750	20955		5230	4250	9600	

Summary:

Salaries, Hatch.....\$9770
Operating Expenses.... 5230
\$15000

Salaries, Adams.....\$10750
Operating Expenses.... 4250
\$15000

Salaries, State.....\$20955
Operating Expenses.... 9600
\$30555

Estimated Receipts.... 15000

\$15555 State Appropriation Asked for.

On motion of Mr. Woodman, the expense accounts of the Board Members were allowed. On motion adjourned.

W. Brown Secy