

The M. A. C. Record.

Vol. 4.

LANSING, MICHIGAN, TUESDAY, JANUARY 3, 1899.

No. 16

Meeting of State Board of Agriculture, December, 27, 1898.

Present, President Wells, Messrs. Monroe, Garfield, Bird, Marston, President Snyder and the Secretary.

Minutes of last meeting read and approved.

President Snyder reported that a Hazelton furnace had been placed in the Vedder house.

The committee on remitting fees to two students from Cuba, should they attend under the auspices of the Cuban Educational Association, reported recommending that tuition and incidental fees be remitted to two such students. Report adopted.

President Wells of the committee to present estimates to the Board for needed State appropriation for the College, to be presented to the legislature, reported as follows:

| | |
|--|----------|
| Women's Building | \$75,000 |
| Heating and Furnishing the Same | 15,000 |
| Dairy Building | 15,000 |
| Farm Barn | 5,000 |
| Book Stack for Library | 6,000 |
| Repairs of Buildings | 12,000 |
| Renewing heating in Williams and Wells Halls | 2,500 |
| Fire Escapes for Williams and Wells Halls | 500 |
| Student Labor | 5,000 |

Report adopted.

A recess was taken to 8:30 a. m. Wednesday.

Wednesday, 8:30 a. m. Board met, same members present.

President Snyder presented resignation of F. E. Skeels as Assistant Secretary, to take effect January 1, 1899. Resignation accepted.

Pres. Snyder presented a scheme for College extension work. That part of the scheme relating to legislative appropriation for Farmers' Institutes was taken up. It was moved that the amount be placed at \$5,500 per annum for two years. On motion of Mr. Marston, the amount of \$5,000 per annum for two years was ordered placed in the estimates to the legislature for Contingent Building.

It was *Resolved*, That the president and secretary be directed to prepare a bill embodying the appropriations asked for, and have it properly introduced in each branch of the legislature. The balance of the report was referred to the special committee on extension work.

Mr. Bird moved to allow F. E. Skeels \$197 for extra services in making maps and time given to correspondence in connection with College lands and maps for bulletin. Carried.

Pratt & Koeppe submitted the following and asked the Board to accept it in lieu of a bond required by the Board in awarding first prize for plans for women's building:

To the State Board of Agriculture, Lansing, Mich.

Gentlemen:—

We, the undersigned, architects for your proposed women's building, do hereby covenant and agree with your board as follows:

1st. Just as soon as the appropriation for the erection of this building is assured, we shall proceed at once to make all necessary working drawings and specifications for the building and completion of the same, according to the sketches and

descriptions submitted by us and adopted by your Board.

2d. The Board of Agriculture shall then proceed to procure responsible contractors for the several works, the total cost of which shall not exceed the sum of \$75,000. It being mutually understood, however, that due allowance shall be made for any advance in the price of work and material from the time when our estimate was made up to the time of letting the contracts.

3d. Should the Board fail in procuring contractors for the completion of this building for the stipulated sum of \$75,000, the Board of Agriculture shall be released from any and all liability on account of any plans or specifications prepared by us, excepting the prize of \$150, in which event the drawings and specifications are to be the property of the Board, said plans not to be used except under our direction and for our benefit.

Respectfully submitted,

(Signed) PRATT & KOEPE.

Mr. Bird presented the following resolution which was adopted:

Whereas, Messrs. Pratt & Koeppe to whom has been awarded the first prize in the competition of architects to furnish plans for a women's building, have submitted an agreement in lieu of the bond requested by the Board in the awarding of said first prize, and whereas, the submitted agreement is considered adequate security by the Board,

Resolved, That Pratt & Koeppe be released from the fulfillment of the provision relating to said bond in the resolution of the Board awarding them first prize, and that in lieu thereof, the Board accepts the conditions of the agreement made this day by Pratt & Koeppe.

A recess was taken to 1:30 p. m.

1:30 p. m. Board met, same members present. On motion adjourned.

Reunion of M. A. C. Association.

The fourth annual reunion of the M. A. C. Association, held in the parlors of the Plymouth Congregational Church last Tuesday evening, was attended by nearly forty former students of M. A. C., and by the State Board of Agriculture and many members of the faculty who were not students.

After the banquet, while the guests were still at table, C. B. Collingwood, president of the association, started the informal toasts. He spoke of the rapid leaps in history our country has made during the past year and called attention to the fact that M. A. C. has also been making leaps. He thought we might all be considered expansionists, looking to the final realization of a "Greater Agricultural College."

Hon. C. J. Monroe spoke for the "Old Agricultural College," and was glad to see so many teachers among the M. A. C. crowd. President Snyder responded to the "New Agricultural College," thanked the alumni for their loyal support in the past and called upon them for a continuance of the same.

President Charles McKenny, of the Mt. Pleasant Normal School, remembered with grateful pleasure the four years spent here. While his work since leaving M. A. C. has

taken him away from the farm, he credits much to the first incentives that he received in this institution. He believes that the College has not yet begun to reach its limit of usefulness.

Charles E. Sumner '79 was called upon for reminiscences of twenty years ago, and he responded very happily. In his more serious vein he called attention to the wonderful field of usefulness open to the College in rearing a bulwark against the dangers of demagogism that threaten our country. The ignorant farmer is susceptible to the passions and clamors of the demagogue; it takes the educated farmer to resist them.

Prof. L. H. Bailey '82 paid a glowing tribute to ex-President Abbot and his work of love for the College. It was with surprise that he found, in looking over Dr. Abbot's outline of work, so many studies intended to broaden the man. This College has a wonderful reach into the future, not because it makes laborers or farmers, but because it educates the great middle classes. The humanistic side of the College has not been emphasized enough; there is a great diversity of interests among its graduates, and it has been successful because its work has been adapted to the varying needs of its constituency.

The last speaker was E. Dwight Sanderson '97, who spoke of the work of the College in preparing young men to go on along special lines of study in higher institutions of learning.

After electing J. D. Towar '85, president, and D. J. Crosby '93, secretary, the association adjourned.

Bible Lecture Course.

The College has been fortunate in securing R. G. Moulton, the distinguished scholar and teacher, of Chicago University, to give a course of Monday evening lectures on the Bible. The dates and subjects of the lectures are as follows:

- Jan 9. "The Bible as a Story Book."
 - Jan. 23. "Oratory of the Bible."
 - Feb. 6. "Biblical Philosophy or 'Wisdom.'"
 - Feb. 20. "Lyric Poetry of the Bible."
 - Mar. 6. "The Dramatic Literature of Scripture."
 - Mar. 20. "Bible History as a framework of Bible Literature."
- These lectures will be free to students; admission to others will be 75 cents for the course.

Senator Justin S. Morrill Dead.

The death of Senator Justin S. Morrill, of Vermont, occurred early Wednesday morning, December 28. Half a hundred educational institutions in our country mourn the death of this man, who, more than any other, was instrumental in securing appropriations from the general government for the endowment of agricultural colleges. This college will honor his memory by holding special memorial exercises.

John F. Nellist with '96m called at the College December 22.

Farmers' Institutes for January.

COUNTY INSTITUTES.

| | |
|--------------------------|---------------|
| Bénzie: | |
| Inland | January 17-18 |
| Grand Traverse: | |
| Traverse City | " 18-19-20 |
| Leelanau: | |
| Leland | " 19 |
| Antrim: | |
| Bellaire | " 20-21 |
| Alpena: | |
| Long Rapids | " 17-18 |
| Presque Isle: | |
| Onaway | " 17 |
| Montmorency: | |
| Hillman | " 17 |
| Alcona: | |
| Harrisville | " 18-19 |
| Iosco: | |
| Tawas City | " 19-20 |
| Arenac: | |
| Au Gres | " 20-21 |
| Emmet: | |
| Harbor Springs | " 23-24 |
| Charlevoix: | |
| Boyne City | " 24-25 |
| Otsego: | |
| Elmira | " 25-26 |
| Kalkaska: | |
| Kalkaska | " 26-27 |
| Bay: | |
| Bay City | " 23-24-25 |
| Saginaw: | |
| Saginaw | " 25-26 |
| Tuscola: | |
| Cass City | " 26-27 |
| Huron: | |
| Sand Beach | " 23-24-25 |
| Sanilac: | |
| Sanilac Center | " 24-25 |
| Macomb: | |
| Richmond | " 25-26-27 |
| St. Clair: | |
| Capac | " 26-27-28 |

ONE-DAY INSTITUTES.

| | |
|---------------------------|-----------|
| Allegan: | |
| Martin | January 3 |
| Wayland | " 4 |
| Corning | " 5 |
| Dorr | " 6 |
| Burnips Corners | " 7 |
| Huron: | |
| Canboro | " 3 |
| Pinnebog | " 4 |
| Pt. Austin | " 5 |
| Bad Axe | " 6 |
| Uby | " 7 |
| Lenawee: | |
| Clinton | " 10 |
| Riga | " 11 |
| Morenci | " 12 |
| Britton | " 13 |
| Onsted | " 14 |
| Macomb: | |
| Warren | " 10 |
| Utica | " 11 |
| Davis | " 12 |
| Chesterfield | " 13 |
| Mt. Clemens | " 14 |
| Clinton: | |
| Maple Rapids | " 10 |
| Elsie | " 11 |
| Ovid | " 12 |
| DeWitt | " 13 |
| Wacousta | " 14 |
| Tuscola: | |
| Unionville | " 17 |
| Reese | " 18 |
| Millington | " 19 |
| Mayville | " 20 |
| Caro | " 21 |
| Branch: | |
| Girard | " 17 |
| Sherwood | " 18 |
| Bronson | " 19 |
| Kinderhook | " 20 |
| Sanilac: | |
| Marlette | " 17 |
| Brown City | " 18 |
| Croswell | " 19 |
| Deckerville | " 20 |
| Pt. Sanilac | " 21 |
| Oceana: | |
| Cranston | " 17 |
| Elbridge | " 18 |
| Emmet: | |
| Alanson | " 21 |

THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE
MICHIGAN AGRICULTURAL COLLEGE.

EDITED BY THE FACULTY,
ASSISTED BY THE STUDENTS.

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For various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings at 6:00 and Thursday evenings at 6:30. F. N. Lowry, President. C. H. Parker, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on the campus, Tuesday evenings at 8:00, in Abbot Hall. Sunday meetings with the Y. M. C. A. Edith A. Smith, President; Elizabeth Johns, Cor. Secretary.

KING'S DAUGHTERS—Meet alternate Wednesdays. Mrs. C. L. Weil, Leader. Mrs. M. L. Dean, Secretary.

NATURAL HISTORY SOCIETY—Meets alternate Wednesday evenings at 6:30 P. M., in the Zoological Lecture Room. W. B. Barrows, President. A. J. Cook, Secretary.

BOTANICAL CLUB—Meets Monday evenings at 6:30 in the Botanical Laboratory. H. C. Skeels, President. Miss Marie Belliss, Secretary.

SHAKESPEARE CLUB—Meets Wednesday evenings at 7:30. Dr. Howard Edwards, President.

COLUMBIAN LITERARY SOCIETY—Meetings every Saturday evening at 7:00. Fourth floor, Williams Hall. C. F. Austin, President. A. H. Hayes, Secretary.

ECLECTIC SOCIETY—Meetings every Saturday evening at 7:00. Fourth Floor, Williams Hall. E. D. Gagnier, President. L. L. Appleyard, Secretary.

FERONIAN SOCIETY—Meetings every Friday afternoon at 1:00. West Ward, Wells Hall. Allie M. Cimmer, President. Grace Lovely, Secretary.

HESPERIAN SOCIETY—Meetings every Saturday evening at 7:00. West Ward, Wells Hall. F. N. Lowry, President. J. H. Skinner, Secretary.

OLYMPIC SOCIETY—Meetings every Saturday evening at 7:00. Fourth Floor, Williams Hall. W. K. Brainard, President. H. J. Eustace, Secretary.

PHI DELTA THETA FRATERNITY—Meetings every Friday evening at 7:30. East Ward, Wells Hall. Eugene Price, President. M. Hayward, Secretary.

THEMIAN SOCIETY—Meetings every Tuesday afternoon at 4:00. Phi Delta Theta Rooms, East Ward, Wells Hall. Ruby Calkins, President. Mrs. C. H. Harris, Secretary.

UNION LITERARY SOCIETY—Meetings every Saturday evening at 7:00. U. L. S. Hall. G. N. Gould, President. H. P. Baker, Secretary.

TAU BETA PI FRATERNITY—Meetings on alternate Thursday evenings, Tower Room, Mechanical Laboratory. W. H. Flynn, President. P. S. Rose, Secretary.

CLUB BOARDING ASSOCIATION—John Severance, President. H. S. Putney, Secretary.

M. A. C. ATHLETIC ASSOCIATION—E. W. Ranney, President. R. M. Norton, Secretary.

Class Announcements for the Winter Term.

ADVANCED MACHINE DESIGN.—Mechanical Seniors. Instructor Leonard. Daily, 10-12 a. m. in Drawing room.

AGRICULTURAL CHEMISTRY.—Juniors. Dr. R. C. Kedzie. Meet Tuesday at 9 in Chemical Lecture Room. Bring note books.

AGRICULTURAL ENGINEERING.—Agricultural Seniors. Prof. Vedder. Provide note books. Meet daily, at 9 a. m. in class room on 1st floor of College Hall.

ALGEBRA.—Mechanical Freshmen. Professor Babcock and Instructor Beal. Text, Van Velzer and Slichter's University Algebra. Meet daily, section 1, at 8 a. m. in class room B, 2d floor College Hall; section 2, at 10 a. m.

in class room C, 3d floor College Hall. First lesson, problems on page 287 of the text-book.

ALGEBRA.—Freshmen, Agricultural and Women. Instructors Beal and Warren. Text, Van Velzer and Slichter's School Algebra. Meet daily, section 1 at 9 a. m. in class room C, on 3d floor of College Hall; section 2, at 8 a. m. in same room; section 3, at 10 a. m. in class room on 1st floor of College Hall; section 4, at 11 a. m. in same room as section 3. For lesson see Bulletin board, College Hall.

ANALYTIC GEOMETRY.—Mechanical Sophomores. Professor Babcock. Text, Tanner and Allen. Meet daily. Section 1, at 9 a. m. in class room B, on 2d floor of College Hall; section 2, at 10 a. m. in same room. First lesson, Articles 2, 3, 5, 6, 7 and 17.

ANATOMY AND PHYSIOLOGY.—Agricultural Sophomores. Prof. Barrows. Text, Foster and Shore's. Meets Tuesday, at 11 a. m. in Zool. Lecture Room. Note books.

Sophomore Women. Prof. Barrows. Text, Foster and Shore's. Meets Tuesday, at 8 a. m. in Zool. Lecture room. Note books.

BOILERS.—Mechanical Juniors. Prof. Weil. Text, Steam Boilers by Peabody and Miller. Meet Mondays at 1 p. m. in Recitation room.

BOTANY.—Freshmen, Agricultural and Women. Prof. C. F. Wheeler. Text, Gray's Lessons, and Field, Forest and Garden Botany. Meet on 2d floor of Botanical Laboratory; section 1, at 8 o'clock, Monday and Wednesday; section 2 at 9 o'clock, Wednesday and Friday; section 3 at 11 o'clock Wednesday and Friday, and section 4, at 10 o'clock Monday and Wednesday.

BURKE.—Juniors, Agricultural and Women. Instructor Crosby. Text, Conciliation with America. Meet Fridays at 10 o'clock in class room A, College Hall.

Mechanical Sophomores. Instructor Crosby. Text, Conciliation with America. Meet Wednesdays in the Chapel, section 1, at 10 o'clock, and section 2, at 11 o'clock.

CHEMICAL LABORATORY.—Mechanical Sophomores. Prof. F. S. Kedzie. Sec. II, Tuesdays 1 to 3 p. m. Sec. I, Thursdays 3 to 5 p. m.

CIVICS.—Juniors. Prof. Hedrick. Text, Fiske. Meet daily at 4 in class-room B, College Hall. Lesson, second chapter.

DEBATING.—Juniors, Agricultural and Women. Instructor, Crosby. Meet Tuesdays at 10 o'clock in class-room A, College Hall.

DRAWING, STILL-LIFE AND CAST.—Sophomore Women. One hour, twice a week, (days to be arranged.) In two divisions, 1-2 p. m. and 3-4 p. m. Studio, 3d floor College Hall. Instructor, Miss Holt.

ENGINEERING LABORATORY.—Mechanical Seniors. Prof. Weil and Instructor Smith. Meet Mondays and Fridays, 1-5 p. m.

ELECTRICAL ENGINEERING.—Mechanical Seniors. Prof. Ph. B. Woodworth. Meet for class work daily at 8 o'clock, and for laboratory work Wednesdays

from 1 to 5 o'clock, in Physical Laboratory.

ENGLISH.—Freshmen, Agricultural and Women. Text, Scott and Denny's Composition-Rhetoric. Meet Tuesdays and Thursdays. Sec. 1, Instructor Crosby, 8 o'clock, class-room D, College Hall; Sec. 2, Dr. Edwards, 9 o'clock, class-room to be arranged; Sec. 3, Dean Keller, 11 o'clock, class-room to be arranged; Sec. 4, Prof. Blunt, 10 o'clock, class-room D, College Hall.

FLORICULTURE.—Junior Women and elective Agricultural Juniors. Prof. Taft. Meet Tuesday at 8 in Horticultural Lecture room. Lecture.

FREE-HAND DRAWING.—Freshmen, Agricultural and Women. Every day. In two divisions, 8 to 10 a. m., 10 to 12 a. m. Drawing room, third floor, College Hall. Instructors—Mr. Holdsworth, Miss Holt. Outfit—Text book, "Free-hand Drawing," by A. K. Cross, tablet drawing paper, drawing board, Faber's rubber, and Faber's H pencil.

GENERAL CHEMISTRY.—Sophomores (Mechanical). Prof. F. S. Kedzie. Text, Storer and Lindsay. Meet Tuesday at 8 o'clock in Chemical lecture room. Bring note books.

GENERAL PHYSICS.—Freshmen. Ph. B. Woodworth. Text, Atkinson's Ganot. Meet every day except Wednesday in the Physical Laboratory in sections as follows: Ag. III and IV, M. II, W. I at 1 o'clock; Ag. I and II, M. I, W. II at 4 o'clock.

GEOLOGY.—Agricultural Seniors. Prof. Barrows. Text, Scott's. Meet Tuesday at 4 p. m. in Zool. Lecture room. Note books.

GEOMETRY.—Mechanical Freshmen. Professor Babcock and Instructor Warren. Text, Wentworth. Meet daily, Section I at 9 a. m., first meeting to be held Tuesday morning in class room on first floor of College Hall; Section II at 11 a. m. in class room B on second floor of College Hall. First lesson, pages 1-7 inclusive.

GERMAN.—Juniors, Mechanical and Women. Prof. Blunt. Text, same as last term. Meet daily at 9 o'clock in class room D, College Hall.

HISTORY OF ENGLISH AND AMERICAN LITERATURE.—Juniors, Agricultural and Women. Prof. Blunt. Meet Mondays and Wednesdays in class room D, College Hall.

HYDRAULICS, ELECTIVE.—Mechanical Seniors. Prof. Vedder. Text, Church. Meet 8 a. m. Tuesday in Engineering class room College Hall. Hour for recitation must be changed if class is formed.

KINEMATICS.—Mechanical Seniors. Prof. Weil. Daily 9 a. m. in recitation or drawing room.

NOTE: Elementary Mechanism by Stahl and Wood will be used for several weeks.

LABORATORY WORK IN FLORICULTURE.—Agricultural Junior elective. Prof. Taft. Meet Tuesday from 1 to 3:30 in Horticultural Laboratory.

LABORATORY WORK IN FLORICULTURE.—Junior Women. Prof. Taft. Two days per week at 1-3 in Horticultural Laboratory.

MACHINE AND STEAM ENGINE DESIGN.—Mechanical Juniors. Instructor Westcott. Text, Klein. Daily, except Monday, 10-12 a. m. in Drawing room.

MACHINE DESIGN.—Mechanical Sophomores. Instructor Smith. Text, M. A. C. Notes. Meet Tuesdays, Wednesdays and Thursdays. Section I, 1 to 3 p. m.; section II, 3 to 5 p. m. in Drawing room.

MACHINE SKETCHING.—Freshmen Mechanicals. In two divisions: 1 to 4 p. m. Mondays and Wednesdays; 2 to 5 p. m. Tuesdays and Thursdays. Drawing room, 2d floor Mechanical Laboratory. Outfit—Same as for Mechanical Drawing of last term. Instructors—Mr. Holdsworth and Mr. Newman.

MECHANICS OF ENGINEERING.—Mechanical Juniors. Prof. Vedder. Text, Church's Mechanics. Meet daily at 8 a. m. in class room on 1st floor College Hall. First lesson, pages 1-5 of the text.

MILITARY DRILL.—Company A at 5 p. m. Thursday; Company B at 5 p. m. Friday.

PHYSICAL LABORATORY.—Mechanical Freshmen. Prof. Ph. B. Woodworth. Meet from 2 to 4 o'clock on days to be announced in General Physics.

PLANT HISTOLOGY.—Agricultural Sophomores. Dr. Beal and Instructor Longyear. Meet in Botanical Laboratory, Sec. II at 1 o'clock and Sec. I at 3 o'clock.

POLITICAL ECONOMY.—Seniors. Prof. Hedrick. Text, Gide. Meet daily at 8 o'clock in class room A, College Hall. Lesson, first three sections.

QUALITATIVE ANALYSIS. Sophomores (Agricultural). Prof. F. S. Kedzie. Meet Tuesday at 1 and 3 p. m. in Qualitative room. Lecture and laboratory work.

QUALITATIVE PHYSICS.—Sophomore Women. Prof. Ph. B. Woodworth. Meet Tuesdays and Thursdays from 9 to 11 o'clock in Physical Laboratory. Come prepared to take notes.

QUANTITATIVE ANALYSIS. Seniors (Agricultural). Prof. F. S. Kedzie. Meet Tuesday at 10 o'clock in Quantitative room, Chemical Laboratory. Lecture.

RHETORIC.—Mechanical Sophomores. Prof. Blunt and Instructor Crosby. Text, Scott and Denny's Composition-Rhetoric. Meet daily, Sec. I at 11 o'clock in class room D, College Hall; Sec. II at 9 o'clock in class room A, College Hall.

RHETORICALS.—Mechanical Freshmen. Dean Keller. Sec. I, Tuesdays and Thursdays at 1 o'clock, class room A, College Hall; Sec. II, Mondays and Wednesdays at 4 o'clock, class room A, College Hall.

SHAKESPEARE.—Juniors, Agricultural and Women. Prof. Blunt. Meet Thursdays at 4 o'clock in class room A, College Hall. Lectures.

SHOP PRACTICE.—Mechanical Juniors. Instructor Leonard. Tuesdays, Wednesdays and Thursdays, 1-5 p. m.

Mechanical Sophomores. Instructors Leonard, Theodore and Baker. Machine shop, blacksmith shop and foundry. See

Mechanical bulletin board for sections.

Mechanical Freshmen. Instructors Bradford and Newman or Baker. Two sections. Daily, except Mondays, 8-10 a. m. and 10-12 a. m. Wood shop.

Agricultural Freshmen. Instructors Bradford and Newman or Baker. Text, Goff. Two sections. Meet daily, 1-3 p. m. and 3-5 p. m., in wood shop. Men will be assigned to sections on first day of meeting.

Agricultural Freshmen. Instructor Theadore. Two sections. Tuesdays, Wednesdays and Thursdays, in blacksmith shop. 1-3 p. m. and 3-5 p. m. Men will be assigned to sections on first day of meeting.

SOILS.—Juniors. Prof. C. D. Smith. Meet, Wednesday at 8 o'clock in Agricultural Laboratory, up stairs.

THESIS WORK.—Seniors should select subjects and begin work at once.

VALVE GEARS.—Mechanical Juniors. Instructor Westcott. Meet Mondays 10-12 a. m. in Drawing room.

VETERINARY SCIENCE.—Seniors. Dr. Waterman. Meet daily at 9 in Veterinary Laboratory. Lectures in Materia Medica.

SCHEDULES FOR SPECIAL COURSES.

HOME DAIRYING.

8:00 a. m. Stock Feeding, in Agricultural Laboratory.

9:00 a. m. Bacteria, in Veterinary Laboratory.

10:00 a. m. Stock judging, in Agricultural Laboratory. Butter making, in dairy rooms after first two weeks.

1:00 p. m. Veterinary Anatomy, in Veterinary Laboratory.

2:00 p. m. Chemistry, in Chemical Laboratory, southwest room of lower floor.

4:00 p. m. Milk Testing, in Agricultural Laboratory.

CREAMERY COURSE.

8:00 a. m. Stock Feeding, Veterinary Anatomy, and Business Methods, in Agricultural Laboratory.

9:00 a. m. Bacteria, in Veterinary Laboratory.

10:00 a. m. Dairy Chemistry, in southwest room of first floor of Chemical Laboratory, or Milk Testing, in Agricultural Laboratory.

1:00 p. m. Butter Making, in Dairy rooms, or Creamery Mechanics.

LIVE STOCK COURSE.

8:00 a. m. Stock Feeding, in Agricultural Laboratory.

9:00 a. m. Breeding and Management, in Agricultural Laboratory.

10:00 a. m. Breeds of Live Stock, in Agricultural Laboratory.

11:00 a. m. Stock Judging, in Agricultural Laboratory.

1:00 p. m. Veterinary Science, in Veterinary Laboratory.

2:00 p. m. Farm Crops, in Agricultural Laboratory.

3:00 p. m. Chemistry, in southwest room of first floor of Chemical Laboratory.

FLORICULTURE AND WINTER VEGETABLE GARDENING.

8 a. m. Lectures in Floriculture, etc. Prof. Taft, Horticultural Lecture Room.

9 a. m. Chemistry. Dr. Kedzie. Chemical Lecture Room.

10-12 a. m. Laboratory Work in Floriculture.

Afternoon. Botany and Entomology.

FRUIT CULTURE.

8 a. m. Nursery Culture. Horticultural Laboratory.

9 a. m. Chemistry. Dr. Kedzie. Chemical Lecture Room.

10 a. m. Lectures in Fruit Culture. Prof. Taft. Horticultural Laboratory.

11 a. m. Laboratory Work.

Afternoon. Botany and Entomology.

At the College.

L. S. Munson spent Sunday in Belding.

Prof. Smith spent last Friday and Saturday in Bay City.

Prof. Taft was in South Haven last Friday and Saturday.

May Butterfield has returned from a week's visit at Lapeer.

Stanley Partridge of the U. of M., called on friends at M. A. C. Thursday.

Mrs. W. J. Beal and Miss Proud returned Saturday from a week's visit in South Bend.

Mrs. Butterfield suffered from an attack of the grippe last week but is now recovering.

Prof. and Mrs. Mumford entertained Messrs. McDermott, Eustace and Cook Christmas.

Mrs. Clute and daughters are very nicely located in St. Louis, Mo., where her son Oscar is in business.

The King's Daughters will meet with Mrs. Vedder Thursday afternoon at 3 o'clock. Come prepared to sew.

Prof. and Mrs. Wheeler and Prof. and Mrs. Woodworth entertained the "Saugatuck crowd" at dinner Christmas.

Dr. Beal has been improving his time the past week at naming parasitic fungi that have been collected and tied in bundles since 1891.

B. H. Takvourian '02 has presented the library a beautifully illustrated copy of "Napoleon's Military Career" by Montgomery B. Gibbs.

THE RECORD acknowledges the receipt of resolutions on the death of Gilbert H. Hicks, adopted by the M. A. C. Alumni Association of Washington.

The marriage of Mr. Chace Newman, instructor in drawing, to Miss Emma A. Young of Portland, occurred at Portland, December 28. Mr. and Mrs. Newman will be at home after March 1, at Hawthorn Place, Agricultural College, Mich.

E. E. Elliott, of Morning Sun, Ohio, has moved his family to Lansing and will take special work in agricultural subjects at M. A. C. Mr. Elliott is a graduate of Monmouth College, Ill., and has been a lecturer at farmers' institutes and secretary of the State association of farmers' clubs in Ohio.

The M. A. C. Special Hat

Is now on sale; much nicer hat than last season; better material and workmanship—the price remains the same, Fifty Cents.

If you want up-to-date neckwear I would have great pleasure in showing you the most complete line of natty ties in Lansing.

Sweaters, Golf Hose, Caps, Hats and Shirts are lines in which I lead.

Students' patronage respectfully solicited.

Elgin Mifflin,
The Outfitter.

CHAS. A. PIELLA,

DEALER IN

DIAMONDS, WATCHES, JEWELRY, Clocks, Silverware, Art Goods.

121 Washington Ave. N., LANSING, MICH.

HERRICK BROTHERS

Fine GROCERIES and MEATS

Everything guaranteed first-class.

219 N. Washington Ave. Opera House Block

R. B. Shank & Co.,

Leading Grocers and Confectioners.

SIMONS DRY GOODS CO.

We make a special effort to sell only the best

KID GLOVES

The Monteford

Our \$1.00 Ladies' Kid Glove we fit and guarantee, in black and new fall modes, 2 clasp; or for

The Zettie \$1.25 Glove.

The LeClarion \$1.50 Glove.

We have a large line of

Lined Mittens and Gloves

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News from Graduates and Students.

W. J. Merkel '98m is now in Milwaukee, at 365 18th avenue.

H. E. Ward '95 has returned to College to take special work in bacteriology.

Prof. W. W. Daniels '64, of the University of Wisconsin, visited in Lansing last week.

E. N. Thayer '93 is at 230 Hoyne avenue, Chicago, working for himself at illustrating.

R. W. Swift with '99 has received his discharge from the signal corps in Puerto Rico.

Comr. R. S. Campbell '94 was elected president of the Commissioners' Section at the State T. A.

Dr. O. H. Pagelsen '93 has been appointed member of the surgical staff of Cook county hospital in Chicago.

C. J. Barnum '94, who was in attendance at the State T. A. is now superintendent of the Gladwin schools.

Oscar Hirth with '94m is traveling in Wisconsin for Hirth, Krause & Co., wholesale leather dealers, Grand Rapids.

Pres. Charles McKenny '81, of Mt. Pleasant Normal School, was elected president of the State Teachers' Association.

E. C. Green '98 visited friends at the College last week. He is now assistant entomologist in the University of Illinois.

Prof. L. H. Bailey '82 and family of Ithaca, New York, spent last Tuesday at the College with Prof. and Mrs. Vedder.

E. M. McElroy '93 attended the Teachers Association last week and visited his alma mater for the first time in several years.

O. C. Howe '83 has been appointed chief of the department of agricultural statistics in place of Robert L. Hewitt and has already taken possession of the office in Lansing.

A paper on "Our Bitterns," by T. L. Hankinson '98, was read December 27 before the Michigan Ornithological club in Detroit. L. Whitney Watkins '93 was elected secretary of the club.

H. E. Van Norman '97 spent the holiday week in Lansing and at the College. He is farm superintendent and has charge of the dairy work at Purdue University, and was recently elected secretary-treasurer of the Indiana Dairy Association.

Born, December 22 at Beaver, Utah, Ruth Louise, daughter of Mr. and Mrs. E. D. Partridge '96. "Pat" says: "I will now perhaps begin training for the mile walk. I used to run the mile twice a day, but now I walk the floor many times a night."

On December 20, Mr. H. G. Reynolds '70, and wife of Pasadena, California, were out driving, when the horse became frightened and both were thrown from the buggy. Mrs. Reynolds was quite seriously injured but at last accounts was slowly improving.

Abijah Wixom with '62 visited the College last Saturday for the first time in 38 years. He helped clear the farm of timber, and forty years ago set out the white pine tree between the library and veter-

inary laboratory. Mr. Wixom is now engaged in farming at Farmington, Oakland county.

E. Dwight Sanderson '97 spent the holiday vacation at his home in Lansing and was a frequent caller at the College. His present employment is in the entomological department of Maryland Agricultural College, College Park, Md. He has an article in the *Michigan Farmer* for December 17 on "Bagworms."

C. E. Meyers '96m writes that he has been engaged in civil engineering—railroad location and construction—since last January. Up to the first of September he was in Indian Territory and western Oklahoma; since that time he has been in Arkansas, with headquarters at Perryville, where he expects to remain for at least six months more.

C. C. Pashby '94m, who is now employed on the "Yazoo Miss. Delta" levee, has secured a promotion, and is now engaged in rebuilding what is said to be next to the largest siphon in the world. The pipe is two feet in diameter and three hundred feet long, and is designed to carry the waters of a bayou over a levee about twenty-eight feet high.

Still Looking for "Dents."

We, as teachers, seldom realize how strongly the little things are impressed upon the minds of the students in our charge. How tenaciously they do cling to memory is illustrated by the following letter to Dr. Beal from F. W. Hunter with '79, now private secretary to the mayor of Grand Rapids:

"I have always wished to thank you for one of the lessons that I learned while at the M. A. C. That is the necessity of close observation. I learned this of you some 23 years ago, when as a student I was one of a class under you, trying to find in what way the common dandelion differed from other plants. I was lucky enough to notice the 'dents' and you complimented me. I did not deserve the commendation at that time, but I have been looking for the 'dents' ever since."

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A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

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