Botanical Club.

The meeting of the Botanical Club last Tuesday evening was quite largely attended. The first speaker was Dr. Amos Eaton, followed by G. M. Bradford who spoke on "Greenhouse Ferns." The speaker first gave a brief account of the complicated life history of a fern and its classification in the vegetable kingdom. There are about 4,000 species of ferns in the world, mostly natives of the tropics. Michigan has 36 representatives of this family within its borders. Ferns have attractions and a beauty peculiar to themselves and are valuable for decorative purposes. It is only within the last few years that florists have recognized their importance. The care of ferns is not so difficult as is generally supposed. They require a rather rich soil with plenty of broken crockery as drainage. Plenty of water and a warm damp atmosphere are required by most species.

The propagation of the spores is somewhat difficult, so the roots or crowns are usually divided to make new plants. Mr. Bradford's talk was illustrated by numerous specimens from the greenhouse and herbarium.

Prof. Wheeler will speak on "Leaves" next Tuesday night.

Farmer's Club Report.

At the meeting of the Farmer's Club last Wednesday night, Prof. Smith gave a talk on "Beef Cattle." He described it under three heads—Breed, Man and Feed. He mentioned the different breeds and spoke of their adaptability to feeding in this State, and brought out very strongly the fact that nothing was to be gained, while everything might be lost in attempting to feed the Holstein and Jersey for beef. The cattle to raise for beef are the beef breeds—Short, Galloway, Angus and Hereford.

He also emphasized the fact very strongly that a man should not attempt to raise beef cattle unless he is fond of the business; he must go into it with his whole soul, bound to succeed; must have direct supervision of the work, and thoroughly enjoy seeing the great big sleek steers coming along or growing fat in the sunlight.

Everyone opened their eyes when he began to talk about feeding. He said that within the last year in traveling about the state and attending Farmer's Institutes, he has become convinced that the coming feed to fatten steers with in this state is available.

His talk was followed by a very spirited discussion led by B. T. Hense, J. D. Young, H. J. Siegford "Dick" Harrison and others along the line of feeding. It was very interesting and instructive.

The meetings so far have been devoted to the consideration of topics of farming, but it is the aim in the future to discuss any subject that is of value to the farmer.

A matriculation fee of $2.50, and a fee of $2.50 to cover incidental expenses will be charged. Good board, with heated rooms, can be had near the College ground, or in Lansing, (with which there is street car connection), for three dollars per week. The total probable and necessary expenses, exclusive of railroad fare to Lansing and return, will be less than thirty dollars.

For further information address, J. L. Snyder, President.

New Plan for Work in the Y. W. C. A.

The College Y. W. C. A. has made a radical change in its method of conducting meetings. For some time its members have felt that the merely experience meeting is adapted to the religious needs neither of the individual student nor of the College unit. The world calls for a religion which shall answer its questions, a religion which shall bind in one the warring energies of man and stand as spirit to thinker and poet. Christianity offers the answer; yet how many Christians take pains to discover it? How many Christians speak early with authority on that subject which cost the great teacher years of patient labor, suffering, and agony?

As the first step toward understanding what it believes, why it believes, and how it is to convince, the association proposes spending this year in a study of the history of the Christian church—seeking a fuller meaning for its Christian belief, a higher inspiration toward Christian living, in the self-renewal of Christ, the intellectual strength of St. Augustine, the piety of St. Louis, the passion of Luther and Calvin. The work will centre around the following topics:

1. Life of Christ
2. Persecutions of the early church
3. St. Augustine
4. St. Francis
5. St. Louis
6. Savonarola
7. Corruption of the mediaveal church
8. Luther
9. Calvin
10. Zwingli
11. Knox
12. The English covcmtants
13. Work of Henry VIII
14. Buzay
15. Wesley, and if time permits,

Training is everything. The peach was once a bitter almond; cauliflower is only cabbagge with a college education. — Ex.
THE M. A. C. RECORD.

February 20, 1900.

PUBLISHED WEEKLY BY THE MICHIGAN AGRICULTURAL COLLEGE,
EDITED BY THE FACULTY.

ABRIDGED BY THE STUDENTS.

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For various reasons THE M. A. C. RECORD is occasionally sent out by mistake. The publishers have not subscribed for it, and no charge will be made for it. The publishers request that THE M. A. C. RECORD be substituted.

Farmer's Institute Round Up.

A large attendance is expected at the Farmer's Institutes which will be held at Ann Arbor, Feb. 27-8 and March 1-2. Reduced rates have been secured and the railroads will sell tickets from all parts of the state at one fare for the round trip. Tickets may be purchased by securing by ached by writing to the University.

The institute will open on Tuesday morning, the papers to be discussed being those on Farm wi,

The session on Friday afternoon will be devoted to papers on Sheep and Horses by Prof. Mumford, and on Wednesday evening by Dr. P. G. Freer. There will be a conference of county delegates, and the day sessions will be held in Newberry Hall and University Hall.

On Friday morning "Cattle and Sheep" will be discussed by Prof. R. C. Kedzie, Prof. E. A. Croman, Prof. D. J. Townes, and Roland Morrill. On Thursday morning there will be a conference of county delegates, and of those already at work, several may yet be selected. The day sessions will be held in Newberry Hall and University Hall.

The institute will open on Tuesday morning, the papers to be discussed being those on Farming.

on Wednesday afternoon will be given to the consideration of "Fruit and Vegetable Culture" by Prof. L. H. Bailey, Cornell University, Prof. L. R. Taff, S. H. Fulton '97, R. Morrill and J. N. Stearns.

An extra good vaulting block has been installed, and the players have now begun regular practice.

A large folding hat and coat rack is supplying a long felt want in the armory.

Heavy wire screens on all the windows will be in place in the first week of this week, converting the Armory into a large baseball cage. Batting practice will now be a special feature of the baseball training.

The girls' basketball team had a practice game with the Lansing High School team in the Armory Saturday day at 3:30, and will have another game Sunday at 2:30. The down town town team were at a disadvantage in not having practiced with their team and therefore made more fouls than M. A. C., but even counting out the points made from fouls, the M. A. C. girls made one more goal from the field than Lansing.

It was a very good game and thoroughly enjoyed by the privileged few who saw it. Twenty victories have now been made. At the close of the first half the score stood M. A. C. 9, Lansing 6. At the end of the game the score was 16 to 11 in favor of the M. A. C. girls.

Both teams hope to play again.

The worst and most unendurable of all the bills are,imaginary complaints. He dires summarily who dines out of debt.

Valentine Party for Seniors.

Prof. and Mrs. Smith's annual entertainment for the senior class was given last Saturday at her home in Ionia. It was a Valentine party and was enjoyed by about sixty people, including the instructors and their friends. Prof. and Mrs. Vedder, Mrs. Ella M. Kedzie, Miss Pearl Kedzie, and Messrs. L. J. Ferguson and D. J. Crosby, Misses Hult, Kinyon, Phillips and Kelley assisted in the dining room.

Early in the evening the young people went in parties to the dining room for refreshments; there was a large attendance and everybody enjoyed the games. After the repast all took part in a complicated spider's web which contained a valentine or other present for each guest. By two bees went unwinding the threads of the web until they came to the valentines in places far distant from the starting points. It was a jolly crowd and they had a merry time.

Oratorical Contest Friday Evening.

The eleventh annual oratorical contest between representatives of the various College literary societies will be held in the armory; next Friday evening. Following is the list of subjects to be discussed:


Shop Notes.

Messa's, Wm. Ball and C. W. Bale of the mechanical department have agreed upon this subject as the subject for their joint thesis. A Wolverine gas engine is to be bought from Grand Rapids for the purpose.

The same subject will serve for the M. A. C. shop and yard and W. D. Dodge. They are to experiment upon a Bates & Edman engine.

The thesis of H. B. Gunnison will be the studying and designing of a heating system for the M. A. C. hospital.

Dairy School Notes.

There are now fifteen men enrolled in the course in cheese-making; besides those already at work, several may yet have not appeared. It is expected that, as it was with the creamery course, several may yet come to in bringing the number close to twenty, which is the limit of present accommodations.

Several recent graduates of the M. A. C. will be brought up as the special feature of the Armory on Friday, March 16, at 2 p.m. The Various College literary societies will.

Late evening the young people went in parties to the dining room for refreshments; there was a large attendance and everybody enjoyed the games. After the repast all took part in a complicated spider's web which contained a valentine or other present for each guest. By two bees went unwinding the threads of the web until they came to the valentines in places far distant from the starting points. It was a jolly crowd and they had a merry time.

The M. A. C. Quartet will assist in the entertainment.

A tub of the butter made by the creamery-classmen, shipped to Barber & Co., Chicago, was scored 96.5, which was a score above the first week of the cheese-making course. The letter has not been received from the judges before and after taking.

Co-ed Personals.

Miss Martha Rich spent Saturday and Sunday at her home in Ionia.

Miss Alice Shaw has returned to College.

Miss Grace Townsend was called home Wednesday, February 14, by the death of her grandmother.

Miss Gertrude Van Loo spent Saturday and Sunday at her home in Ionia.

Miss Anna Chandler has been ill with a severe cold.

Hesperian Society Entertainment.

Last Saturday evening the Hesperian Society entertained friends at their regular literary meeting. After the program had been rendered, the time was spent in dancing, and the pleasant evening was enjoyed under the chaperonage of Mrs. W. O. Hedrick. After the visitors had separated the regular business meeting was called.

Delegates to Y. M. C. A. Convention.


Washington's Birthday Exercises.

The anniversary of Washington's birthday was observed by the college and faculty, College by appropriate exercises, Prof. Bradley Thompson of the University of Michigan delivering the address and Judge C. B. Grant of the Supreme Court will preside. Music will be furnished by the chorus class and by the College cadet band. All members of the cadet band are invited to be present. At the assembly, promptly at 2 p.m.
At the College.

No classes Thursday, Feb. 22.

H. A. Williams with '86 called on college friends last Friday.

Prof. U. P. Hedrick was on the sick list a couple of days last week.

Oliver Edgar with '01, made College friends a short visit last week.

All the young ladies at her table in Club C, received a valentine from Miss Keller.

S. B. Hartman '09 has gone home for a few days to recuperate from his recent illness.

E. W. Ranney '00 received a visit last week from his sister, Miss Carrie Ranney of Belding.

Prof. C. O. Remley preached at the Presbyterian church, Lansing, Sunday morning and evening.

Gerald Cheney '03 who has been sick for a number of days went home last Friday to stay for a week.

Born to Mr. and Mrs. W. O. Beal Friday, Feb. 9, a son. He has been given the good old family name, Charles.

Mr. A. H. Taylor from the North Western University has been employed to assist Prof. Atkins in the Physical Department.

Prof. H. K. Vedder will spend the coming summer vacation in Europe; Mrs. Vedder and children visiting in New York state.

Saturday D. A. Keeler '02m, while working in the shops, received quite a severe cut on the arm from a stick flying back from one of the saws.

The King’s Daughters will meet with Mrs. Wel Monday, Feb. 21, at 3 o'clock. Lesson, Luke 2nd chapter. Text, Joy. Leader, Mrs. Vedder.

D. J. Crosby has resigned his connection with THE RECORD. The work of carrying on the paper has been placed in charge of a committee from the faculty.

Mrs. Jessie Beal Baker and family, together with Miss Fay Wheeler, are expected at their respective homes on the campus within the next three weeks.

Mrs. Tanner of the Utah Agricultural College has resigned. The papers of the state are favorably mentioning Prof. E. J. MacEwan, formerly of M. A. C, as his successor.

J. F. Baker '92 has received the offer of a position which will take him to the Yellowstone National Park to spend his coming summer vacation. He will accept.

G. M. Odham '00 who has been quite seriously sick with rheumatism is somewhat improved. His father and mother, who have been with him, are in hopes to be able to take him home with them in a few days.

Instructor B. O. Longyear, by request of the Detroit Mycological Club went to the Michigan metropolis on Friday last, for a second talk, this time concerning “Puff Balls and Their Allies.” No abstract or report of the paper will be given at this time, as Mr. Longyear will repeat it before the Natural History Society in March. The subject was fully illustrated by numerous specimens and superb original charts.

The committees having in charge the arrangement for the annual junior hop are planning to make it the leading social event of the year. It will be given in the new armory, Lansing, Wednesday evening, Feb. 21.

The room of E. W. Ranney '00 in Wells Hall, was the scene of a pleasant social event last Tuesday evening, when the “Calithumians” gave one of their old time banquets in honor of Oliver Edgar with '01.

Prof. Smith attended the Springport institute last week and Secretary Bird and Prof. Towar were at Coldwater. They report a large attendance at both places, the average attendance at both places, the average attendance at both places, the average attendance at both places, the average attendance at both places. They report a large attendance at both places, the average attendance at both places, the average attendance at both places.

The feeling towards the College was very kindly and its work was commended. Prof. Towar also attended the institutes at Chelsea and Horton.

Chapel exercises Sunday morning were conducted by Rev. E. W. Hunt of Lansing, his theme being Look to Jesus. The leading thought was that every young man or woman, in order to live the best life it is possible for them to live, must ever look to and pattern after that greatest and noblest character the world has ever known, Jesus Christ.

SECRETARY BIRD’S ANNUAL.

The report of the Michigan State Board of Agriculture for 1899 has been received from the State printer, and is being distributed from the secretary’s office. It is a volume of four hundred and sixty-five pages.

THE M. A. C. RECORD

FEBRUARY 20, 1900

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COLLEGE BUS HEADQUARTERS.
Harry H. Hunter, with '91, is a general merchant at Mt. Pleasant, Mich.

Guy C. Van Alstyne with '96, is secretary for R. A. Whitehead & Co. in Rapid City, S. Dak.

William Treadwell, with '02, recently accepted a position with J. C. Vaughn, seedsmen, Chicago, Ill.

L. C. Leeds with '96, is Deputy County Treasurer of Internal Revenue station at 111 Veal St., Dallas, Texas.

Clarence W. True with '00, is in the real estate and insurance business at 204 Superior St., Cleveland, Ohio.

Albert N. Irwin with '93, is a second year student in veterinary medicine at the Ohio State University.

W. G. Amos with '79, who represents the Murphy Iron Works of Detroit at Chicago, reports the arrival of a son.

John W. Perrigo with '94, is draughting for John S. Metcalf Co., grain elevator builders at 175 West 15th Street, Chicago, Ill.

Maurice Carney with '94, is employed in Milwaukee, Wis., as a designer of electric cranes. Advertiser wishes to enter the tan.

H. A. Eldridge with '98 was married to Miss Ada Madison, Thursday, Feb. 5, at Elmhurst, Mich., where both young people reside.

Earl H. Dresser with '89, in addition to his duties as general manager, is secretary of the Litchfield Manufacturing Co. at Litchfield, Mich.

M. G. Kain with '95 read a paper on "The Effect of Electric Light on the Growth of Lilies" before the Washington Botanical Society, Saturday, Feb. 10.

At a recent joint meeting of the Washington Academy of Science and the other scientific societies in Washington, L. J. Briggs '93 gave a talk on the "Chemistry of Photography."

William F. Bernart with '95 graduated at the Detroit Medical College last May, and is Acting Assistant Surgeon in the U. S. Army, stationed at Arroyo, near Los Angeles, Calif. The hospital, Hot Springs, Arkansas.

Dwight S. Cole with '95 has become a member of The Draustine-Cole Co., at 555 Adams St., Brooklyn N. Y., Mr. Cole being manager for the firm. Their work is to develop and perfect inventions, make models and do all sorts of expert and experimental mechanical work.

Harold W. Force with '98 is one of the firm of H. L. Rand & Co., wholesale produce dealers, Lowell, Mich. His mother writes that he has been traveling in the south in the interest of the company and has met with good success.

Since Jan. 1 he has been confined with pneumonia at New Orleans. His father has gone to bring him home.

Lewis S. Munson with '97 finds his work in connection with the Chemical Division of the U. S. Department of Agriculture at Washington very interesting. At the same time they are carrying on some very extensive experiments in testing various preservatives used in canning meats, and in finding methods of detecting adulterations. They find that horse flesh is often put upon the market as beef.

Faculty Action on Athletics.

All regular first and second football, basketball and baseball teams shall be excused from military drill; also the track team in the spring term; said team to be excused by a preliminary contest at the close of the winter term in such events as can be held indoors, the remaining events to be contested out of doors as soon as possible in the spring term. The first two and a possible third in each event shall form this team.

Officers above a corporal who accept appointment in the middle of the winter term shall not be excused from drill in the spring term.

This will not prevent them from competing or training for intercollegiate field day, providing such work will not interfere with their duties as officers. Under this ruling those excused from drill will be qualified by actual ability; and athletics in this connection will be considered as equivalent.

The scholarship requirements remain the same, and no one having more than two conditions will be allowed on any athletic team. If such conditions are against a track athlete in the spring term, he must work off his conditions and train without excuse from drill if he desires to continue to compete in检察.

Every person who visits the College, provided he was ever a student here, is expected to go before A. B. Krentel at the Botanical laboratory and testify as to his knowledge of any student not recently heard from.

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