# The M. A.C. RECORD. 

michigan state agricultural college.

## COLUMBIAN SOCIETY.

The Columbian Literary Society gave a ten o'clock Saturday evening, March 10 . The program consisted of a play entitled "Getting Ready for a Ten O'clock Party." After the play refreshments were served. Dr. and Mrs. Waterman acted as patrons.

## Y. W. C. A.

Miss Helen Andrews conducted the Thursday evening meeting. She spoke of the importance of good Christian girls to act as our officers for the coming year's work.

The business meeting followed at which the following girls were elected: Florence Barlow, president; Mary Pratt, vice president; Mabel McDowell, secretary; Zoe McConnell, treasurer.

## EUNOMIAN PARTY.

The blaze of the camp fire, the smell of the pines, heap much firewater, the peace pipe and friendly pow wows were the features which assisted in making the Eunomian party, Saturday night, a very enjoy. able occasion.

The early hours of the big council were occupied by the more serious speeches and deliberations of the big chiefs, and the war songs of four of the braves; later in the evening, the council having dispersed, the braves and maidens assisted by the medicine men joined in friendly contests of various kinds or withdrew into the shelter of the wigwams.

The tribe were especially fortunate in having with them, as representatives of the Great White Father, Mr. and Mrs. Lee M. Giddings of Lansing.

## STATE ACADEMY OF SCIENCE.

Friday, March 16, 2 p. m., and 7 p. m. Chapel of College Hall, Agricultural College.

Vice President, Prof. W. J. Beal.

1. Recent studies on the Cross Pollination of Orchard Fruits,Prof. S. W. Fletcher.
2. Some Botanical Errors Found in Agricultural and Chemical Text Books.-Prof. W. J. Beal.
3. Some Notes on Nodules,-Director C. D. Smith.
4. (a) Vitality in Milk; (b) Von Behring's Plan for Immunizing Cattle against Tuberculosis.-Prof. C. E. Marshall.
5. Redfield's Theory of Heredity. -Prof. G. A. Waterman.
6. Aërating Systems in Plants.Prof. J. B. Dandeno.
7. The Protein Content of Wheat as an Index to its Bread-Making Qualities.-A. J. Patten.
8. The Occurrence of Benzoic Acid in Fruits.-Prof. F. S. Kedzie.
9. Some of the Latest Points Concerning the Improvement of Corn.-Prof. J. A. Jeffery.


GERTRUDE PETERS.
We present this week a half tone of M. A. C.'s representative in the recent oratorical contest, also table showing markings of both the judges on composition and delivery. This table was necessarily crowded out last week, but the half-tone which was promised us "in good time" for the issue of Feb. 6, failed to reach us until noon on the fol lowing day. This accounts for the late appearance of the cut which should have been presented in connection with the oration of Miss Peters.

## ATHLETICS.

The base ball schedule for the spring term as approved by the faculty at its last meeting is as follows : April 14, Olivet at M. A. C.

20, Albion at Albion.
2 I, Olivet at M. A C.
28, Orchard Lake at M. A.

## C.

April 30, DePauw at M. A. C. May ${ }_{6}$ 2, Hillsdale at Hillsdale. ${ }_{5}$, Alma at Alma.
12, Kalamazoo at M. A. C. 18, Wisconsin
19, Kalamazoo a
" 19, Kalamazoo at Kalama. zoo.
May 24, Albion at M. A. C. 26, Olivet at Olivet.
2S, Hillsdale at M. A. C.
30, Armour Institute at M. A. C.

The cup games will be played on May $5,12,24,26$, and 28 . This gives us three of the best on the home grounds. Nothing definite can be stated as yet concerning season tickets.
The freshmen high school meet held Saturday was a success in every way. There was plenty of fun and good events. The competition was the best it has ever been, although the freshmen won handily as they always have done, the final score standing 57 to 24 . The freshmen have shown up unusually strong this year, both as to numbers and quality. The outlook for good material from this class is excellent. For the high school, Griffin was the star, winning 17 of the 24 points. He won two firsts and tied for another. The events and
winners were as follows, only the high school being designated: Dash-Griffin, H. S., Morrison, Barry, H. S.

Shot put-Burroughs, Morrison, Bignell. Distance, 35-6.

Running high jump-Hall and Allen tied for ist; Foster, high school, 3d. Heigth, 5-4.

Standing high jump-Griffin, H. S., Oviatt, Hagadorn, H. S.

Broad jump-Bignell, Griffin, H. S., Morrison.

Pole vault-Beach 'og, and Grif fin, H. S., tied for ist, Hatfield 'og and Hagadorn, H. S., tied for 3 d.

440 -yard run - Hall, Laird and Hatfield.
Half-mile-Frazer, Dewey, Bohn. High dive-Allen, Hagadorn, H. S., Barry, H. S., ht. 5-5

The relay was also captured by the freshmen. Those comprising the team were Phippeny, Allen, Oviatt and Burroughs.

## wrestling.

A wrestling try-out was also held Saturday to determine the representatives in the Alma meet Friday evening, The feather weight was won by Orvis, Liverance 2 d . Special weight, Wright ist, Rodegeb 2d. Light weight, Bleech ist, Belknap 2d. Welter weight, Schad 1st, Mason 2d. Middle and heavy weights were won by Perry. Charleton, who wrestles in the heavy weight class, could not be present, but will be on hand to meet Alma's man.

## alma.

Alma comes Friday evening for a dual wrestling meet in all six weights and also for a basket ball game. This is the only dual wrestling meet of the term, and as Alma is perhaps the strongest team outside of our own, much interest is taken in the outcome. This, no doubt, will decide the winning college at Field Day, so far as this feature of the sports is concerned. Both teams will of course develop to a large extent between now and June, but the relative strength will be made evident.

## HORT. CLUB.

On Wednesday the seventh, the Horticultural club held its regular meeting. Prof. Fletcher spoke to the club on the subject of the "Horticulture of the Pacific North West." This was a very interesting talk taking up the possibilities of the States of Washington, Oregon, Idaho, and others; showing their great resources as to soil, climate and the like. The discussion of their markets and method of handling fruit was also instructive.
The club extends its thanks to Professor Fletcher for an enjoyable evening.

On next Wednesday, the fourteenth, the last meeting of the term will be held.

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## ALUMNI.

, 93
W. F. Hopkins, cashier of The First National Bank of Petoskey, says: "Sample copies of M. A. C Record are O. K. I want to be a 'regular'-enclosed you will find fifty cents to pay for the first year It is worth much more than that just to keep track of the old boys.

## 02.

Harriet Farrand has accepted a position as Dietitian in the Homeopathic hospital at Ann Arbor.

## 'O2.

A souvenir postal from Mr . Craig shows a pretty view of nine of the thirteen buildings at Pullman, Washington. Mr. Craig states that they have 1000 students.
J. P. Knickerbocker sends in his ubscription and also his best wishes for M. A. C. in all her undertakings. Mr. K. is with the American Disrict Steam Co., and is located at Kansas City, Mo.

Extract from a letter from J. W, Bolte of Utah: "Last September I came across the continent to take Mr. James Dryden's place as head of the poultry department of the station and instructor in animal husbandry in the college. My work has been largely experimental up to the present, as I have taught only three classes in practical poultry craft and two in swine judging, and I trust to secure some valuable re sults as we are doing some pioneer work in poultry investigation. Just now our busy season starts as incubation is our great problem here and we have several large incubators running at present. Although Utah is infinitely weaker in numbers and wealth than Michigan yet we are spending over $\$ 3,000$ yearly on the poultry department and I believe our equipment inferior to that of no other experiment station. I enclose a view of the interior of our new $\$ 4,000$ main poultry building. This building houses close to a thousand head of stock when full, and combines laying pens, brooder house, incubator cellar, hospital, breeding pens, feed room, work room and quarters for an attendant. Northrop is away in the southern part of the state on an institute trip and I have hardly recovered from one of two weeks myself. I wish you all sorts of good luck and hope to be with you for commencement.

The Feronian Society entertained their honorary members and invited guests at an eleven o'clock party in the armory on Saturday evening. The Japanese idea was carried out in decorations, programs, favors, and two little Japan maidens served the ice. It was a very pleasant party. The chaperons were Prof. and Mrs. Vedder.
Regret that above was not received in time for publication last week.-ED.

THE M. A. C. RECORD.

published every Tuesday during the college year by the

Michigan state agricultural College

B A. Fadnce, Managing Editor Associate Editors.
E. A. WLLLSON, ${ }^{2}$.
P. Y, GOLDSNITH, '07. R. H. GILBERT; 08. 1. E. PARSONS, 07. R. A. TURNER, '08. GRACE WARNER, 08.
CAROLINE LAWRENCE, og. CAROLINE LAWRENCE, 06 .
LELAH BURKHART, 0 '

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## TUESDAケ, MAR. 13, rgo6.

YPPSILANTI seems already to meet M. A. C. in the coming debate. The debaters who will meet the M. A. C. team are Messrs.Pittenger, Willman and Olds. Evidently the Normal intends to take us by storm if the following statements from the Collegc News is to be taken as a criteron:
"Plans are already under way to send a large delegation of rooters to Lansing when the intercollegiate debate with M. A. C. comes off, probably May 18. Two years ago this debate was made the occasion of a holiday at the Normal, 228 rooters being excused from class work to accompany the team in a special train.
"The delegation from M. A. C. last year was about 20 persons, but the crowd that will go from here to Lansing this spring will make even the record crowd of 1904 seem like a side show. M. A. C. had better 'look a little out.'"

## FARMERS' CLUB.

In last week's Record it was announced that Prof. Smith would talk on Tuesday evening at the Farmers' Club, but on that afternoon the professor was called away. We hope to have him with us at our next meeting.

After much loss of breath in the way of argument and persuasion Mr. Anderson consented to give his talk on "Poultry an Adjunct to Farming," which was to be the last subject on the winter program.

Mr . Anderson in his introduction gave us an idea of the position held by poultry and eggs among the world's products. In bringing out the place held by chickens on the farm he compared the farm without them to a house that had been closed for some time and the clock allowed to run down. On entering such a house the silence was oppressive and so on the farm without poultry the loneliness was distracting. Poultry then adds to the joy of farm life. Several other reasons were given to establish their place on the farm, among them, that they used a class of food that would ntherwise be lost; that they assimilated a higher per cent. of food taken into the body than other live stock

on the farm, and that they furnished the farmer with a good food. He closed by stating that the possibilities along this line were limitless. Aninteresting discussion followed in which the relative merits of the in which the relative merits of the
hen and incubator were brought out. Also points in handling chicken parasites.

## SENIOR ENGINEERING SOCIETY.

At the last meeting on Wednesday evening Mr. K. B. Stevens talked about the relative values of coal and oil as fuels. Oil is obtained in large quantities from beneath the bed of the Pacific ocean on the coast of California, and is burned in boilers in an unrefined condition. It compares very favorably with coal as a fuel and will no doubt, replace in time.

## THE DEBATING CLUB.

The question debated Thu sday evening was "Resolved, That the Wisconsin System of Controlling the State Charitable Institutions is Preferable to the Michigan System?
C. H. Goetz and E. L. Grover upheld the affirmative. A. N. Robson and C. P. McNaughton sustained the negative. The affirmative received the unanimous decision of the judges. They maintained that since the controlling power of the Wisconsin Institutions is centralized into the hands of five men, there is an economical saving of many thousands of dollars annually as salaries. They tried to show also that there are fewer chances for political corruption where the number of officers are reduced to as low a number as the conditions permit.
Thursday evening, March ${ }_{15}$, the question "Resolved, That the Present Ward Policy is Adequate?" will be discussed. This will be the last debate of the season.
The following officers were elected for the spring ferm : E.A. Wilson, President; O. W. Stephenson, Vice Presiden' ; H. G. Stone, Secretary ; Prof. E. H. Rider, Critic.

## Y. M. C. A.

The conventions of the past few weeks furnished the themes for both the Thursday and the Sunday evening meetings of the Y. M. C. A. Our Adrian delegation gave their impressions of the state convention in Thursday evening's meeting. They spoke very enthusiastically of the meeting and mentioned especially the earnest address of Prof. Robinson of McCormick Seminary, Chicago, and Clayton S. Cooper, of New York, secretary of the Y. M.
C. A. International Committee. Among those who spoke were Messrs. Dorland, Wilkinson, Orvis, Stephenson and lurner.

Very interestingly, the delegates to the student volunteer conference spoke of their splendid trip to Nashville, of the helpful, uplifting and earnest speeches of such men as John R. Mott, of the inspiring presence of scores of foreign missionaries, of the unbounded enthusiasm of its more than 6,000 delegates as. sembled there. M. A. C. was represented at Nashville by Misses Barlow and Allen, and Messrs. White, Ellis and Robinson.
Sunday morning Judge Cahill of Lansing gave an interesting lecture upon the miserable condition of the inhabitants of the Congo Free State and told how King Leopold of Belgium had been responsible for this condition and showed why the United States should move herself to bring forth a better condition of affairs in the Congo.

UNION LITERARY SOCIETY.
The Union Literary Society pleas. antly entertained the faculty and instructors in their rooms Saturday evening, March 10. The guests began to arrive at 7:30 and after a social hour in which the guests were warmly welcomed, they were seated in the assembly room and the following program was rendered:
Roll call-responded to by quotations from the faculty.
Description of the play Hiawatha, C. C. Taylor.

Progress of the Automobile In. dustry, H. C. Salisbury.
Music, Messrs. Glazier, Gongwer and Wade.
Agriculture in Europe, O. K. White.
Medley, R. G. Carr.
Critic's report, R. G. Potts.
The program showed careful preparation on the part of each member and was much enjoyed.

Mr. Carr shows excellent ability as a medley writer and his smooth diversions from one subject to another and illustrations caused much merriment.
Music and dancing occupied the remainder of the evening, and the guests departed voting the occasion one of the most pleasant of the year

## ATHLETIC CONFERENCE

At the conference held at Battle Creek, Friday evening, for the purpose of settling some questions re garding rules of the M. I. A. A., M. A. C. was represented by Pres. Snyder and Prof. Vedder. Other colleges represented were Albion, Alma, Hillsdale, Olivet, and Kalamazoo. The recommendations adopted by the conference, which
will be submitted to each faculty for confirmation were as follows:

1. That no student may play more than four years in the aggregate in any intercollegiate sport, and that this participation be confined to undergraduates.
2. That no training table shall be maintained at the expense of the association and no boarding charge paid by the association.
3. That no student be allowed to play on the college teams who is below the grade of college freshmen, provided that no person be allowed to compete in any contest after the fall term unless he has been in regular attendance at the institution he represents for at least twelve weeks during the current college year.
4. That no student shall be allowed to compete in any contest who is not taking at least two-thirds of the full recitation work required, and is maintaining a grade satisfactory to the college facnlty.
5. No student shall be permitted to participate in any contest so long as he has more than two conditions standing against him.
6. That no person who has participated in any intercollegiate game as a member of a college team shall be permitted to participate in any game as a member of any other college team until one year after his withdrawal from the first college.
7. That the list of eligible competitors of any college for any contest shall be signed by the secretary of the faculty of that, and any protest shall be made to the secretary of the faculty of the institution in which the protested person is a student and the decision of the president or faculty of that institution shall be final.
8. That there shall be no preliminary training prior to the beginning of academic instruction.
9. That the football season end on the Saturday before Thanksgiving.
10. That no person who has ever played baseball as a member of any team or teams in any of the major or minor leagues, shall be permitted to participate in intercollegiate baseball, and that no person shall be allowed to compete who hereafter shall play baseball on Sunday.
general statements.
i. It is the sense of this conference that each faculty should have a representative on the Michigan Intercollegiate Athletic Association board.
11. This conference views with disfavor the championship series of baseball and football games.

In the Columbian society, freshmen declamatory contest, R. A. Gilbert won first place and W. D. Frazer second. The judges were L. B. McWethy, F. O. Foster and A. R, Alger.

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* $\quad$ A B O U T T H E

The State Board reports for the past year have just been received from the press.
A letter came to the College postoffice last week addressed to Prof. C. H. Goetz.
In Prof. Jeffery's office last week was seen a photo of the type of corn such as Mr . Webber would select.

The little babe of Walter Coss died suddenly Thursday morning of last week. Mr. Coss is employed at the boiler house.

This is certainly "March weather." Hardly two days alike so far in the month.
A fine new clock has been placed in the outer room of the postoffice. This will certainly be appreciated.

Nonesuch Bros.' big circus is expected at M. A. C. again this year. It will probably be given early in the spring term.
Lewis Appleyard, 'oo, is visiting his mother in Lansing, and called on his College friends Friday. He is located at Schenectady at present.

Miss Dorothy Swift, for some time a student at M. A. C., graduated today from the Grace Hospital Training School for Nurses, Detroit.

In the freshmen oratorical contest of the Soroiian Society March 10 Miss Emma Casterlin won first place and Miss Theo Goodwin second.
Jesse Churchill, '03, who has been ill with typhoid pneumonia for some time, has largely recov-
ered. He visited college friends Friday.
Prof. Dandeno, of the botanical department, is quarantined at his home in Lansing on account of scarlet fever in his home, his little son being ill.

Miss Bernice Maynard, special last year, is now at Portland, Ore gon, where she is teaching domestic science. Her address is care of Y . W. C. A.

About twenty couples enjoyed the party given by the Olympic Society in their rooms Saturday evening. Director and Mrs. Brewer acted as chaperons.

The price of board in the various clubs for the winter term, as audited Saturday, is as follows: A , \$2.77; B, \$2.68; C, \$1.85; E, \$2.68; F, \$2.10; G, \$2.30.

Mr. R. A. Smythe, of Benton Harbor, a member of the executive board of the State Horticultural Society, spent Wednesday at the horticultural department.

In the freshmen declamatory contest at the Hesperian society's rooms, A. A. Chambe won first, J. A. Mitchell second and Frank Sweeney third. The judges were Mr. Gunson, Mr. Ryder and Mr. Palacio.

The work of securing addresses of our alumni is progressing nicely and it is hoped that we shall soon be able to locate every living grad. uate as well as many students who were here for a shorter period of time.

Quite a number of College people went over to Okemos Saturday evening last, and saw "The Danger Signal." The scenery was good, the plot thrilling, and the acting was excellent. The boys report a fine time.

The father of Jesse and O.O. Churchill 'o3, Lansing, died rather suddenly Thursday evening of last week. While Mr. Churchill has been an invalid for several years, it was not supposed that his condition was serious.
An experiment with flowers is being carried on in the botanical department. By the use of analyne white carnations are made green, blue or nearly any color desired. The same is true with hyacinths, roses, etc.

The Eclectic society have elected the following officers for the spring term: President, J. H. Taylor; Vice President, O. C. Post; Secretary, G. Verran; Treasurer, A. C. Pratt; Marshal, L. C. Reynolds; Librarian, G. B. Hayes.
The last Junior hop of the term was given in the armory Friday evening of last week. About fifty couple danced to music furnished by Baker's orchestra, the room was tastefully decorated, and an enjoyable evening passed. Prof. and Mrs. Pettit acted as patrons.

Mr. McCue gave a talk at the State Horticultural Society's meeting Thursday on potato spraying; Mr . Gunson spoke on gardening under glass, and Prof. Fletcher was on the program for the subject fruit
growing on the hills. The meeting was held at Rochester.
The Lansing fournal runs a column in which it prints news items of "Ten years ago today." The following item appeared in one paper last week: "It was announced that there were one hundred and eighty students at M. A. C., this being a very large number.'

Saturday evening the Olympic Society elected the following officers for the spring term: Pres. H. L. Francis ; Vice Pres., W. J. King. scott; Sec., J. W. Wilbur; Treas., W. H. Parker ; marshall, F. K. Webb; record editor, P. H. Shuttleworth.
The final debate which which determines the team to meet Ypsi. in May will be held in the College chapel Saturday evening, March 17. The debaters are R. C. Potts, T. F. Locke, S. B. Lilly for the affirmative and W. E. Piper, M. J. Dorsey and E. A. Willson for the negative.
The Olympic Society held its annual freshman oratorical contest Saturday evening, March 3. First place was awarded to J. R. Thoenen, second to Mr. Morley, and third to F. K. Webb. Messrs. Norton, Moomaw and Hadden acted as judges.
Horace Hunt, employed by the Commonwealth Power Company, of Jackson, made a hurried call on friends at the college Friday night on his way from Big Rapids, where he has been looking after the interests of the company. We are sorry to say he looked disappointed not to see all the old familiar faces.

THE M. A. C. RECORD.

Instructor Reed and wife have moved into their new home in Oakwood.

The Ero Alphian society entertained their friends at an 11 o'clock party on Saturday evening, March 3 . The rooms were prettily decorated, carrying out the idea of a moonlight party. Mr. and Mrs. Thomas Gunson and Miss Avery kindly acted as patrons, Everyone reported a good time and the strains of "Home, Sweet Home," came all too soon.

The vacation rate of one and onethird fare will be granted to students who go home at the close of the term for the spring vacation. This rate applies only to points within the state. The dates for selling tickets are March 23 and $z_{4}$, good for returning on or hefore Monday, April 2. Those who desire to accept this rate can secure certificates at President Snyder's office on Thursday, March 22 .

Mr. Hadden of the Mechanical Department presented a very interesting and instructive discussion of the water power of streams before the M. A. C. Foresters on Tuesday evening last. He explained the construction of formulae for determining the efficiency of streams, and the construction of dams. He called attention to the increased price of fuel and gave it as one of the leading reasons why water power of streams is gaining in interest and importance. This interest was referred to as a resurrection of water power. The use of water wheels was fully explained. The value of water power, the gauging of streams and construction of reservoirs were thoroughly discussed.
A meeting of the residents in the vicinity of the eollege was called Friday evening to consider the proposition of forming a village corparation. About fifty persons gathered at the school house, many of whom took part in the discussion. Methods of incorporating were explained, the advantages and dis. advantages discussed and territory to be included was mentioned. A vote taken near the close of the meeting showed that over four-fifths of those present favored incorporation. On motion of Mr. Newman a committee which would represent the various sections of the community was appointed with Mr. Chase as chairman. It will be the duty of this committee to look into the matter of plans for incorporation more fully, make some investigation as to the territory to be included and also consider a name for the village should one be formed, said committee to report progress from time to time.
The value of the work done by Mr . Reutter in meat cutting during the special courses recently closed can hardly be estimated, and was certainly greatly appreciated by the boys. Mr. Reutter came elery Monday morning during the course and gave demonstration in killing, dressing and cutting up the different animals, including mutton, lamb, veal and beef, also demonstrations in cutting up pork. As each carcass was cut up, the various cuts were named, the uses to which they were put explained and the market price given. The way in which the various cuts were disposed of was mentioned, and in one case seven different cuts were taken from one shoulder. The various processes of curing hams, shoulders and bacon was given, also methods of prepar-
ing dried beef. The College animals sold for butcher stock are taken by Mr. Reutter, he having bought about 500 hogs during the past year.

A farewell reception was given Mr. Hurst, by the various committees and officers of the Y. M. C, A., last Tuesday evening as an evidence of the kind regard in which Mr. Hurst is held.
After a short program and refreshments, with the president of Y. M. C. A., Mr. Fisk, as toastmaster, several of the men responded to toasts. President Snyder gave a short but concise talk on "Friendship," closing with a few words of commendation and appreciation for the good work which Mr. Hurst had done during his stay here.
L. J. Smith occupied several moments in relating humorous incidents in the life of Mr. Hurst, which were highly amusing and instructive. He spoke of the influence which had spake of the influence him into the active work of the Y . M. C. A.

Mr . Boomsliter and Mr . Bates both gave short and enthusias' ic taiks, calling on the men of the $Y$. M. C. A. to carry on the work of association and io stand by Mr. Webber and help him in every way, so that the work might continue to grow and become a greater influence in activities of the college.
Mr. Webber also made a few remarks relative to the work which he was about to take up.

Mr. IIurst closed the program by telling his last stock of stories, as well as commending the association men for the way in which they had stood by him in his work, and for the good which they had done him during his stay here. He only asked that they stand by the new secretary as they had him, so that the work of the I. M. C, A. might grow to greater and larger things
The very enjoyable gathering was closed in wishing Mr. Hurst God speed in his new work, wishing him the greatest success in his new field of christian activity.

The following table taken from the Observer's Meterological report shows the weather conditions for the month of February.

*Total eclipse of moon beginning at 12:15 a. m. +-10 .

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