The game Saturday between the Freshmen and Oliver H. S., the Freshmen were beaten by the narrow margin of one point, the final score being 12 to 11. Both teams played very evenly throughout the contest although towards the end of the last half M. A. C. worked the ball 90 yards without being held on tackle plays through the line, landing it in the fires’ five yard line as time was called. Both of M. A. C.’s touchdowns were made on 90 yard runs by Bell. Brewster, Morley, Nye made good defensive play for the Freshmen and Tosh showed good judgment in running the team until after he tried to knock down the goal post with his head.

OLIVET H. S. VS. M. A. C. FRESHMEN.

The game on next Saturday promises to be an interesting one. Alma expects to bring down a delegation of rookers to help her team, and it is very much desired that M. A. C. furnish a large crowd, and accord our visitors a hearty welcome and a good time. They have only lost two games this season, the first to the Freshmen and on last Friday to M. A. C. M. A. C. has never beaten her but once in the last four years. Alma always put up one of the scrappiest games in the inter college league and is keeping up that reputation this year. They have always had a good team and played good, clean football, and with Teg Wilson as coach they are sure to put up a fast game on next Saturday. The game will be called at two o’clock, as usual. The scores of the first half will be played. Let everybody turn out and by good rootin’ help our fellows win the game.

DEBATING CLUB.

At the regular Thursday evening meeting of the Debating Club the question for debate was, "Resolved, That a more restricted emigration would be to the best interests of the United States." The affirmative was upheld by Mr. E. H. Adams assisted by Mr. H. C. Bucknell, while the negative was defended by Mr. R. O. Barrell and Mr. B. B. Chesebrough. A spirited argument resulted, in which many strong points were made and each side by each side. The decision of the judges favored the affirmative. Prof. Hedrick acted as critic. The subject for November 17 is, "Resolved, That women be given the right of suffrage in the United States." Something interesting. Everybody come and enjoy it.

Y. W. C. A.

Thursday evening, Nov. 5, Miss Gilchrist gave a report of the summer conference at Lake Geneva, which she attended in September. She told us many interesting things about the place and the meetings, and urged every girl to attend one of these conferences if possible. The meeting last Thursday evening was a consecration service. Rev. James Barlow and Mr. Edward Tabor played and gave a very helpful talk.

HESPERIAN PARTY.

On Saturday evening, Nov. 12th, the Hesperian Society gave its second social of the term. The rooms were decorated with palms and filled with a jovial crowd. Dancing between dances the ladies counted the number of beans in a bottle. Towards the close of the evening, Prof. and Mrs. U. P. Heilrick, the chaperons, counted the beans and presented to the successful contestant, Miss Lou Robinson, a half dozen huge chrysanthemums.

Y. M. C. A.

Rev. Dr. Edwards gave a talk to the young men in the meeting Thursday evening. The subject of his address was 2 Timothy, 3:16. Every one was pleased with the forceful way in which Dr. Edwards showed his reasons for Bible study. Sunday morning Rev. W. E. Day of Lansing led the service by giving a short and very effective sermon on "Character." The usual large audience was the leader and gave a very helpful talk.

The state convention of the Y. W. C. A. was held at Alma November 10-13. Our association was represented by Miss Gilchrist, Miss Haney, and Misses Kreiner, Reed, Hutchins, Padlock, and Andrews.

For the first time in five or six years M. A. C. has defeated Olivet on her own grounds. The score was decisive 35 to 6, and at all times, except for the few minutes when McKenna stood on the touch-down, it was all M. A. C. M. A. C. won the toss and Olivet kicked off. The march for a touch-down was interrupted by penalties but it took but a few minutes to put Olivet over for the first touch-down.

McKenna soon went over for another after the ball had been rushed the length of the field. All during the half steady gains were made by Ball, Kratz and off the back field, and the only thing which kept the score down was the many penalties exacted which forced McKenna to punt. Olivet gained but very little getting but two or three first downs and had to punt many times they had the ball. Kratz added another touch down before the end of the half bringing the total to 17. The second half was not so good football. M. A. C. added two more touchdowns in short order, one by D. T. on a delayed pass, and one by Holdsworth on a forty-five yard run. Olivet then took a turn and made their only consistent gains of the game. Darkness was settling on the field, and after a forcible and exciting struggle of punts, Olivet had the ball in the middle of the field. By short gains they carried it to the 45 yard line, where D. T. Ottavilla, Olivet’s big tackle, broke through Bell, and brushing off the secondary defense, went the 45 yards to the goal line. It was Olivet’s only material gain of the night. The Cleveland Ladies’ Orchestra played while the game was in progress.

DEAR FRIEND:—

With kindest regards.

Mr. Pierce entered in March ‘65 as a farmer. He considered the most necessary to every successful farmer, originality of owner, thorough knowledge of agriculture, and adherence to strict economy. An interesting discussion followed and some especially fine ideas were presented by C. A. Wilson, on the subject of farm finances. He emphasized the keeping of good and the great advantage of a surplus fund. Delegates were elected to the national convention which meets at Chicago, and the club then adjourned.
THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE SESSIONS OF THE UNIVERSITY, BY THE MICHIGAN STATE AGRICULTURAL COLLEGE.

E. A. PAUNCE, Managing Editor.
ASSOCIATE EDITORS.
PAUL J. BATES, M. I., ALBERT J. GUINNESS, W. CALL. M. W.
M. M. MILLER, M. W.

ASSOCIATION OF FRIENDS AND TILES.

Mrs. McFerrin, Mrs. Snare, Miss Jessie Haggard, Miss Stanton, Mrs. Mallard.

H. C. BROWN, Manager.

TUESDAY, NOV. 12, 1904.

IT SEEMS hardly fair to chal­lange a man's vote in Ingham county simply because his family is in Pontiac.

O F ALL sad words of tongue or pen, these are the saddest, "Per F. again.

Now that election and examina­tions are over we can begin settle down to good hard work.

We have no objection to make when a car comes in ahead of time, but when it leaves the station at 4:55 or 5:15 when it should leave at 5:00 or 5:20, we certainly do raise an objection. Students and others living in the city are inconvenienced very often because of this, not only in the evening, but also on leaving the city in the morning. When a car leaves the station five minutes ahead of time this means five minutes behind time. Accidents, of course will happen and cars will get stuck sometimes to have their share which causes delay, but when it comes to within five minutes of the time of starting it would seem that it would be as well for the employees of the car company, and certainly more agreeable to those living down town, to wait until the exact time to go.

SORORITY PARTY.

The Sorority gave a party in the Woman's Building Saturday evening. A banquet was served at 6:30, after which dancing was held until 11:00. Parker's Orchestra furnished the music. Mr. and Mrs. Palmer kindly chaperoned.

HORT. CLUB.

At the meeting of the Horticultural Club held on Tuesday evening Mr. Moes Craig gave a very interesting paper on "Harvesting of the Market Gardener" and discussed each point of picking, sorting, barreling and marketing in detail. The main points of interest are the essential points that are commonly overlooked in discussions of that sort.

Several curiosities were shown, one being a large radish from the botanical garden that weighed about 3 pounds. Some remarkable examples of filmsation in apples were exhibited.

Mr. McCue gave a short talk on the Elow and Osceola apples. Next meeting Wednesday, Nov. 16.

The first senior dinner of the term was given on last Wednesday night by Miss O'Ceck by Miss Mary O'Ceck. Miss Flora Campbell acted as waitress. The guests were Misses Black, Wilson and Miss Avery. The following menu was served:

Crand of Celery Soup
Crup Crackers
Nuts and Small Pickles
Baked Chicken
Sweet Potatoes
Crabapples duc
Parker House Rolls
Banana Fritters
Lemon Sauce
Orange Ice
White Cake
Coffee

In each case the young women were required to supervise every detail of the work and the cost of each dinner was limited to one dollar.

Prof. Atwater's dietetic standards are as follows: for a man with light exercise,—.22 pounds per pound of body weight. The calorie allowances are estimated in the following ratio: breakfast 4, dinner 7, luncheon are estimated in the following ratio: breakfast 4, dinner 7, luncheon 4.

Coffee

Prof. Bogue was absent from college on business a few days last week.

A radial weighing eight pounds was recently taken from the botanical garden.

Prof. Well was confined to his home by a severe cold a part of last week.

Several from M. A. C. witnessed the big game at Ann Arbor on Saturday.

Miss May Butterfield spent a few days at her home in Pontiac the past week.

Mr. and Mrs. Cornelius, of Grand Rapids, were the guests of their sister, Miss J. Cornelius, '95, ever Sunday.

Mr. Jeffery gave an address before the Clinton county Sunday School convention held at St. Johns Nov. 10.

Miss Emma Danforth, of Inonian, a former member of the Sorority, was at M. A. C. for the party on Saturday evening, and re­mained over Sunday.

In the course of the large interesting attendance at the M. A. C. public school it has been necessary to divide the work. The first three grades will remain with Miss Marian at the school building, while Mises Frye, of Big Rapids, will teach the 4, 5, 6, 7, and 8 grades in the room formerly occupied by Mr. Rugg, in the White Elephant.

At the meeting of the Association of College Presidents and Station Directors, held at D. S. Moline's, Miss L. H. Bailey, '93, of College was elected member of the executive council of the association.

F. M. B. Butterfield, '91, of Rough Island, delivered a special address before the association.

The Sigma Mu Beta Society gave a social in their rooms in the Woman's halls' last Sunday evening. After an interesting and amusing program the evening was pleasant spent in games and guessing c. n tests. Light refreshments were served. Dr. and Mrs. Wathen chaperoned. E. A. Seelye, '90, and wife were among the guests.

The 20th annual Convention of W. Y. C. A. of Michigan, was held in Alma, last week, by invitation of the Association of Alma College. The meeting was full of interest, especially to College delegates, because of the opportunity to see college life at Alma. Many of the delegates were the only girls who attended at Wright Hall, where students and teachers alike did everything possible to make their stay a success. The Sanitarium, also, hospitably opened its doors for the entertainment of delegates.

The opening session Thursday evening was the occasion of a warm welcome given by Prof. Bruette and a banquet by the Rev. A. H. Berg of Detroit. The meetings were all marked by deep spirituality and earnestness. Miss Ruth Parsons, one of the national secretaries conducted the business each day, the college conferences and the patron service on Sunday, Mrs. Lewis, president of the Bay City association, conducted the city conference. Miss Blanche Hunting of S. W. Miss Harris of Indiana, and Miss And of Detroit were all most helpful speakers. Nearly one hundred college delegates were in attendance and the interchange of ideas and study of the problems of the work cannot fail to yield results during the year in the cities and colleges where associations have been formed. We hope to have visits during the year from Miss Parsons and our own state secretary Miss Johnson.

H. S. Hampton is professor of chemistry in the University of the Pacific, at College Park, Calif. At the meeting of the Georgia Society, he who entered the work in forestry, recently, was a student under Prof. Hampton.

Miss Ed. Cory, since Miss M., '96, was graduated of the class of '95 instead of '88 as stated in our last issue.

W. H. Anderson, '96, is a chemist with the Lake Superior Iron Co., of Ishpeming, Mich., Mr. Anderson and his brother, lower Michigan a few days ago in the interests of his company and called on College friends.

R. S. Northrop, for the past two years instructor in horticulture at Cornell University, has accepted the chair of horticulture at Utah Agricultural College at Logan.


The first car has been given a trial and found to be entirely satis­factory.
Every Department full of New Fall Goods.


The Horticultural Department has samples of 31 different kinds of French beans grown the past sea­son, and an assistant. One-half of a beef was cut up for them and an explanation of each cut given.

A son, Henry Edward, was born to Mr. and Mrs. Geo. Chatfield, of South Haven, on Friday, Nov. 10. Mr. Chatfield took special work in horticulture at M. A. C. in 1901-02. Dr. Dode of Paris who has extensive gardens in Belgium is making the popular his special study. He has decided to name one of his new species populus bogueiana for Prof. Bogue.

Dr. Beal attended the University banquet at Ann Arbor last Friday. It is planned to form what will be known as a university union, or a number of the objects of which will be to build an alumni and memorial hall.

A son, Henry Edward, was born to Mr. and Mrs. Geo. Chatfield, of South Haven, on Friday, Nov. 10. Mr. Chatfield took special work in horticulture at M. A. C. in 1901-02. Dr. Dode of Paris who has extensive gardens in Belgium is making the popular his special study. He has decided to name one of his new species populus bogueiana for Prof. Bogue.

Dr. Beal attended the University banquet at Ann Arbor last Friday. It is planned to form what will be known as a university union, or a number of the objects of which will be to build an alumni and memorial hall.

One of the best displays of crys­thamomums ever seen at the College are now in bloom in the green house. The Horticultural club means to profit by it by having a crysanthemum program at its meeting next Wednesday evening. Capt. Geo. P. Aberr, Chief of the Bureau of Forestry of the Philippine Islands, is expected at the college in a few days to learn of the forestry work here. It is possible he may speak to the M. A. C. Foresters on Tuesday evening.

The department of mathematics and civil engineering has received several new instruments recently including three engineers' transits, three sun compasses, two wye levels and one dumpy level. These instruments were purchased from Berger & Sons, Boston and the Geleys of Troy, N. Y.

The Botanical Department is adopting the plan of furnishing the students in botany with printed pamphlets at a trifling cost. These are used in connecting a with fruits etc., preserved at different growths and constitutions, in addition to a small handbook of technical names, the text book used in this subject.

Prof. Smith returned on Wednesday evening from his trip to Iowa. On his way home he visited Colum­bia, Mo., where he called on F. B. Mumford, '90. At Ames he visited Prof. Noble, formerly of this College, and H. B. Baker, '91. Mr. Baker is doing splendid work in Forestry at the above place and is soon to have a fine suite of rooms and an assistant.

Over one hundred of the Lansing Alumni and former students of the University of Michigan, assembled at the Grand River Boat Club on Wednesday evening of last week. After the reception the guests rejoiced at the banquet hall where they partook of an elaborate feast. Prof. Beal who graduated from the university in '59 represented M. A. C. and spoke on the harmonious relation existing between the University and the Agricultural College. Others from the College who attended were Mrs. Beal, Sec., and Mrs. Brown, Prof. and Mrs. Marshall, Miss Bessie Earle, and Instructors L. G. Holbrook, H. L. Curtis, Mary Watsome and Ellen Buch.

On Monday, Nov. 7, our second team won their fourth victory over the strong Olivet second team at Olivet. Olivet won from Albion's second team 55 to 0, so it is pretty well understood that we have the best second team in the intercol­legiate. The game was hard fought all the way through, our boys man­aging to nose them out 5 to 0. Our team was much weakened by four of our men, Bonds, Krauer, Gasser and Bartlett, being out of the game. The line-up was as follows: Par­ker, C.; C. A. Lemon, R. G.; Wright, L. G.; R. B. Lemon, R. T.; Frazier, L. T.; Waite, L. E.; Retzilus, H. H.; Brown, Q. B.; Bur­dette, L. H.; B,; Smith, R. H.; Parson, F. I.

A wedding of interest to Lansing and College people is that of Pleyo M. Lyman, of Chicago, to Miss Cori­na B. Gleason, of Lansing, which took place in Utica, N. Y., last evening. Mr. Lyman was for a number of years assistant post­master at the College, and Miss Gleason has been a teacher in the city school—for several years. The former has been spending the past three months with a sister, Miss Caroline Gleason, in the east, and the wedding was from her home. After a short visit with friends here, the couple will go to their new home in Chicago. Mr. Lyman has a position in the railway mail service with a run on the Lake Shore road between Cleveland and Chicago.

The above, taken from the La­nsing Republic, of Nov. 10, will be of interest to College people, as well as many of our alumni and old students whose pleasure it was to know Mr. Lyman. The Record extends to Mr. and Mrs. Lyman hearty congratulations.
NEW BOOKS IN THE LIBRARY.

Arnold—Compendium of Chemistry.


Bell—Art of Illumination.

Black—Brief History of the Carnegie Steel Co.

Browning—Introduction to the Rare Elements.

Buck—Social Unrest.

Baldwin—Modern Political Institutions.


Cambio—Modern History. Vol. 5.

Columbia Bond. Series—Brooks—Foundations of zoology; Calkins—Regional Biology; Regeneration; Wilson—The Cell.

Clark—Care of the House.


Curtis—University Physics, 2 vols.

Dannich—Public Finance.

Despeissis—Horticulture and Viticulture of Western Australia. Oston—Social Phases of Education in School and Home.

Erlenmeyer—Theory of the Lead Accumulator.

Eger—Technological Walterbuch. 2 vols.

Farmer—Food and Cookery for the Sick and Convalescent.

Fairfield—Municipal Administration.

Getman—Laby's, Exercises in Physics.

Glimm—The Home; Its Work and Influence.

Glock and Shaw—Practical Physics.


Hutchinson—Food, and the Principles of Dietetics.

Johnson—Industrial Social Organization.

Jukes—Wrinkles in Mechanical and Electrical Engineering, issued by the International Corespondence School, Scranton.

With it.

Mrs. E. B. Fairfield, of Los Angeles, Cal., was a recent visitor at the College. Mrs. Fairfield was one of the first eight girls to attend M. A. C. She was in college in '70-'72. She is the mother of Harriet Fairfield, who was a student here in '95-'96, and who is now in business in Kalamazoo, Calif. Her husband, Mr. Fairfield, graduated in '71, and died in Grand Rapids in '96. Mr. Fairfield's father was the first president of Hillsdale College.

102.

M. S. Snyder is in charge of a herd of about 200 cows kept near Vina, Cal. The milk produced by the herd is equal to cream and the cream made into butter and for this purpose a well equipped creamery is provided. Mr. Snyder will be on the lookout for new pastures and manage the creamery. He states that the feeding problem is a simple one, alfalfa being fed almost exclusively. During the months of December, January and February is the rainy season and very often pastures are too soft for cattle to be turned upon them, and ensilage is put up to be fed at this season of the year. In writing Prof. Smith, Mr. Snyder says, "I tell you Professor, alfalfa is certainly a great deal softer for cattle, and this is the only example of what it is doing for the western dairyman. We quote in full the last paragraph of Mr. Snyder's letter—"This Valley of the Sacramento is a beautiful place. Mountains to the east and west of us in plain view—the snow-capped Sierra to the west and the lower peaks of the Coast Range to the east. Live oak furnishes a perpetual green foliage in the valley, and in other years climbing rose bushes bloom by the round; orange trees are fruiting when you are eating wild blackberries and plums thrive as the apple in inches in diameter beside the mildness of the climate. Were the people as God like as the cows are perfect, 'twould be a paradise.

When in need of printing at bottom prices, communicate with

Lawrence & Van Buren Printing Co.,
122 Ottawa St. E., Lansing, Mich.

DIRECTORY

LAWERING BUSINESS and PROFESSIONAL MEN.

The names in this directory, as well as those of all other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

BANKS.


BOOKS AND STATIONERY.


BOOKS AND SERIES.

CROO, M. S. DEBRAU & CO.—Bookbinders, also bind books, cut leaves, bind and get the art line, photo, for home manufacturers, children's books, etc. Mil. Citizens' place No. 96, 106 Wash. Ave.


BOOTS AND SHOES.

D. C. WOOGDEN—Boots and Shoes. We accept the student. See us.

CLOTHING.


D. S. JONES, dry goods. Box 100, 102 Washington Ave. N.


CROCKER AND CROSBY.


DENTISTS.


DOCTORS.

POUROS'S CAPITAL DRUG STORE, Up to date, genuine, up-to-date, high grade, superior, to suit the best. 71-73 Washington Ave. N.


ORGANIZED EFFORT WINS.

Organized Effort Wins.

Life Insurance is Organized Thrift.

The Mutual Benefit shows 66 years success with splendid management.

Do you want to come in now while you can? Some wait to long. No one ever regretted carrying a good insurance contract.

B. T. STEELE.

LANSING, MICH.

WILLIAM W. STEELE.

1949.

All MEATS . . . .

May look alike to you, but there is a very great difference in quality. We can tell you what we mean. Come in and ask us what service we can render to you.

L. A. BROWN.

LANSING, MICH.

ORGANIZED EFFORT WINS.

Organized Effort Wins.

Life Insurance is Organized Thrift.

The Mutual Benefit shows 66 years success with splendid management.

Do you want to come in now while you can? Some wait to long. No one ever regretted carrying a good insurance contract.

B. T. STEELE.

LANSING, MICH.

WILLIAM W. STEELE.