FOOT BALL SUMMARY FOR 1904.

The 1904 foot ball team, a cut of which we present in this issue of the Record, will go down in history as one of the strongest, if not the strongest team ever developed by any of the Michigan colleges.

The success is due not only to the members of the team but to the loyal scrubs who worked through any of the Michigan colleges.

The season, and to the support given to the students, was the lightest in the inter-collegiate with the M. A. C. record.

The team as a whole, was the lightest of the season. Against the All-Fresh, Albion scored 0, M. A. C. 39; against Alma, Albion 36, M. A. C. 58; against Kazoo, Albion 27, M. A. C. 47. The team was made up as follows:

H. B. McDermid, junior mechanical, center; first year on the team, a hard, conscientious worker. J. E. Fish, left guard, and G. P. Boomsliter, right guard, both junior mechanicals, and both playing their first year on the team; good guards and will make exceptionally strong men next year.

R. F. Bell, captain and left tackle, senior mechanical; his third term on the team and one of the best ground gainers.

"Old Reliable" Frank Kratz, senior mechanical, and right tackle for four years, all that his nick name implies both on defense and with the ball, and the best beloved man on the team.

W. Holdsworth, freshman mechanical, weighs but 170 pounds, and his third year on the team and ranks as a junior mechanical. The best open field runner on the team and in catching and returning punts.

H. D. Ithahn, left half back. First year on the team. Heavy and fast and a sure and consistent ground gainer throughout the whole season.

S. W. Doty, Soph. in Forestry. Second year as regular full back. Most conscientious worker on the team, good line backer and star at backing up the line on defense.

Of the substitutes Babe Kratz was in nearly every game during the season. An excellent man at following interference and next year will be a star. He ranks as a freshman.

Ralph Graham, G. Boyle, H. A. Wright, D. Burke and C. A. Lemon also were in several games and will prove good next year.

The scores:

<table>
<thead>
<tr>
<th>M. A. C.</th>
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<tbody>
<tr>
<td>47</td>
<td>Flint</td>
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<tr>
<td>25</td>
<td>Ohio</td>
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<tr>
<td>29</td>
<td>Pt. Huron</td>
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<tr>
<td>0</td>
<td>Albion</td>
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<tr>
<td>104</td>
<td>Hilldale</td>
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<tr>
<td>39</td>
<td>All-Fresh</td>
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<tr>
<td>35</td>
<td>Olivet</td>
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<tr>
<td>40</td>
<td>Alma</td>
</tr>
<tr>
<td>58</td>
<td>Kazoo</td>
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</tbody>
</table>

The schedule for next year is already under way. Negotiations have been opened up with Ohio, Notre Dame, Oberlin and De Pauw and probably three of them will be on the schedule. A game with North Western is also a possibility. These, with the five games in the M. I. A. A., will give us something worth striving for.

Of this year's team and substitutes 10 or 11 will return, who with the good second team men and the unknown new material given promise that the 1905 season will be a banner one.

ALUMNI.

H. S. Putney, of Sanilac Center called on College Friends the past week. Mr. Putney is vice-president and treasurer of an establishment which manufactures steel culverts. He reports a very prosperous business.

On Dec. 7, Co. K., 11th Inft., of which M. E. Ireland is and Lieutenant, left Fort Niobrara, Neb., for Fort D. A. Russell, where they will be stationed for some time. Fort D. A. Russell is situated about four miles from Cheyenne, Wyo.

R. S. Northrop goes to Utah as full professor of horticulture instead of instructor as stated last week.

F. M. Morrison, who is in the Manual Training Department of the Kittanning public schools, Penn., recently sent to the horticultural department some very fine samples of the Northern Spy and Baldwin apples. Mr. Morrison states that agriculture and horticulture are not followed to any great extent in this part of Pennsylvania, the principal industries being coal mining, oil wells, glass making, pottery, and steel plants.

Paul Pierce is with the Peninsular Manufacturing Co., of Ann Arbor, Mich. His address is 957 Fifth Ave., S. J. H. Post is employed by O. C. Simons, Landscape Gardner, Chicago, Ill.

George C. Morbeck, of Ingalls, writes very pleasantly of his work during the last summer on the State Forest Reserve. There were six in his party, Mr. Sanford, '04, being one of the number. He states that their work of surveying and mapping land was most pleasant, but somewhat interrupted on account of the abundance of rain.

W. J. Wright of Pasadena, Cal., writes very pleasantly of his work in the west. Mr. Wright is connected with the Pasadena Daily News as agricultural editor and reporter. He states that in this work he is brought in touch with the most prominent fruit growers of that section which offers an opportunity for further study along his chosen line. Mr. Wright wishes to be remembered to his M. A. C. friends.
THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR BY THE MICHIGAN ALLIANCE OF CHRISTIAN STUDENTS.

UNION LIT. PARTY.

The members of the Union Literary Society entertained their lady friends at an eleven o'clock last Saturday night. The rooms were prettily decorated, and no expense was spared in providing for the enjoyment of the guests. Mr. and Mrs. Craig acted as cheraprons.

HORT. CLUB.

At the last regular meeting of the Hort. Club, Mr. C. A. McC. gave a very instructive and practical talk on the pear and peach in cold storage.

The officers elected for next term are: H. C. Ovev, President; O. B. Burrell, Vice-President, and Mr. C. A. Pratt, Secretary.

The American Blush apple was passed around and enjoyed by all. The meeting was well attended and the interest was good.

THE M. A. C. ELECTRICAL CLUB.

The engineering students of all classes met Monday evening in the lecture room and completed the organization of the M. A. C. Electrical Club.

Mr. Rahe while here gave a talk on the pear and peach in cold storage.

Y. W. C. A.

Katherine McNaught led the Thursday evening meeting, which was a prayer and song service.

Notice.

In last week's Record the notice of the granting of students' certificates for holiday rates should have read Dec. 13 instead of Dec. 22.

LOST.

Somewhere between the postoffice and the Women's Building a gold and white enamelled diamond shaped pin with "P. S. 52" on it. Finder please leave at Secretary's office.

FARMERS' CLUB.

The last meeting of the Farmers' Club for this term was held last Tuesday evening, Mr. H. C. Buntin, of the Extension paper on the "Work of the United States Department of Agriculture," in-

The affirmative speakers were Mr. C. A. Reed assisted by Mr. J. O. Torrey. The negative speakers were Mr. E. C. Place and W. O. Hedrick.

The ballots favored the affirmative side, one, and the critics, as well as general sentiment, appeared to lean toward the negative.

The following officers were elected for the ensuing term: Pres., Mr. N. J. Smith; Vice-Pres., Mr. J. O. Dorsey; Secretary and Treasurer, A. N. Robson.

The Storage Battery.

The at rage battery recently pur- chased by the Department of Physics and Electrical Engineering arrived last week, and was set up by Mr. Rale, manager of the Tray Plate Battery Company, of Bing- hamton, N. Y. Mr. Rube was the College on Friday and Saturday when he installed the apparatus. It is proposed to keep the batteries charged by means of the rotary con- verter, taking current from the storage batteries. The advantages claimed for this particular type of battery is that it is entirely efficient. A glass case is provided, being horizontal, no fumes are given off. It is arranged in two piles, each pile giving 35 volts. This battery could easily be charged by means of 100 amperes per hour if necessary, and a smaller quantity a much longer time; even smaller amperes could be drawn from it for a sh rt time at 110 volts. If the two piles are connected in series, partly charged, 2000 amperes could be drawn off for a short time without injuring the battery at all. It will take from 50 to 30 amperes normally to charge it.

Mr. Rube while here gave a talk before the juniors and seniors on the use of storage batteries.

The Lecture Course.

There are yet four numbers on the M. A. C. Entertainment Course, any one of which we can ill afford to miss. The first number of the holidays, Montville Flowers in his interpretive recitals from master painters, will be given Jan. 6. Among those who speak very highly of Mr. Flowers' work are: Gen. Lew Wallon, Dr. Gannus and John Temple Graves.

The second number, on Feb. 21, will be "Lo, ole Taff, Sculptor." His lecture "A Glimpse of a Sculptor's Studio," or "How Statues are Made" will not fail to please, and everyone should make it a point to be present.

The third number, on March 20, "The demand for Dr. Temple Graves.

Everyone will, of course, want to hear the "Quaker Com." any time. This lecture platform has become very rong and wherever he has spoken the press have not been long in giving a "ring of praise for his work. Among subjects, are: "The Man of Nazareth," "New Continents," "Dante, the Poet of the Earth," etc.

Every week, all free; and all on time will fail of the feeling that there is seen perfection itself. Hardness, how- ever, is the one client in itself alone to keep these trees in their present healthy and sturdy condition. This is under cultivation, cover crops are grown and plowed in each spring, the trees receiving a large amount of manure, and ful-

If there are those who have not as yet purchased a season ticket for the lecture course, it is a good time to do so and thus get four of the very best numbers on the board.

The ballots favored the affirmative side, only 75 cents for the remaining numbers, and it is hoped that those who do not at present have tickets will take advantage of the offer.

The European Larch.

The M. A. C. Record of Nov. 29 had a short notice in regard to European larch, which stated, "The larch in this country is entirely worthless for forestry purposes as those put out die off very rap- idly.

This statement, I suppose, was based on the experiment tried by Dr. Beal in the Arborctum. While the larch by no means means the best tree to plant to get the best results, still the following figures show that even with the larch, probable results can be obtained:

In 1876-8 Dr. Beal planted 257 trees to the half acre, but 21 were cut this fall. In the intervening years, 268 trees, ranging in size from 4 to 6 feet in height, by cutting down 50 feet in height have reached maturity. These trees make 723. 37.0 ft. or 45.3 cords per acre on an average on a whole acre, there would be 265 cords or 135 cords per acre.

When they were set out 18 years ago Larch was not worth one cent a cord on the stump, making the 365 cords on the acre worth $365. A cord of fuel could be cut, wood and timber is climbing, if an acre be planted to Larch, with which will be grown, the price of wood will rise hereafter.

The arborctum which Dr. Beal planted 257 years ago is a prac- tical demonstration, and contains much food for thought.

George F. Taladay, '03, For.
Presidents Snyder returns today from his Washington trip.

The Try and Trust Circle of King's Daughters will meet at 2:30 p.m., instead of at 3:00.

S. W. Horton, '08, has returned from his home at Fruit Ridge, where he has been for some time on account of illness.

W. D. Fraser who has been in the hospital at Ann Arbor for some time as a result of an accident during a baseball game here a year ago, visited College friends Sunday.

A student was recently heard to remark that he had heard so much about annular, oospore, oogonium and oospores that all he had in his head was a long string of zeroes.

Prof. Jeffery will do institute work at the following places this week: Greyling, West Branch and Gladwin. He was at W. Iverine, Cheboygan county on Saturday of last week, where he held an institute.

The most sensitive foot will find absolute comfort in this shoe. At the same time built for hard service. Rock Oak sole leather, top grade style. Try a pair.

Box Calf High Cut Shoe

PRICE $4.00 A PAIR

The most sensitive脚 will find absolute comfort in this shoe. At the same time built for hard service. Rock Oak sole leather, top grade style. Try a pair.

E. A. Stricker was elected captain of Company F, Detroit Light Guards, on December 7.

R. B. McPherson, of Howell, aside from his banking business, is largely interested in the telephone system operating in Livingston, Ingham, Jackson and Oakland counties. In this enterprise he is associated with W. W. Morrison.

A local horticultural society has been formed at Benton Harbor with Paul Thayer of the class of 1900 as president, and C. H. Hilton of the same class as treasurer. This organization is quite unique in the fact that it is managed by young men.

In most societies of this kind the men chosen for officers are those who have had many years of experience in fruit growing.

State Senator Jenks, of Harbor Beach, made a trip to Lansing during the past week to make arrangements for rooms for himself and Mrs. Jenks during the coming session of the legislature. While in the city Mr. Jenks called on his son, B. W. Jenks, '98. Mr. Jenks is interested in the Horro Miling Company and the Mihlethaler Co., Ltd.

The Missouri Agricultural College, of which Prof. F. B. Mumford of the class of 1890 is professor of animal husbandry, has issued a circular of the special courses given by that college, beginning Jan. 3. The circular presents several pictures suggestive of the work offered, which is much the same as that given at M. A. C.

THE M. A. C. RECORD.
STATE HORTICULTURAL SOCIETY.

M. A. C. was well represented at the State Horticultural Society meeting held at Benton Harbor the past week. Those present at this meeting from the College were Prof. TafT, Prof. Smith, Prof. U. P. Hedrick, Prof. Petit and Mr. Gunson.

College people who attended the annual meeting of the State Horticultural Society last week will long remember the impromptu social gathering at the home of Mrs. Robinson. The credit of making such an informal way is due to Mr. and Mrs. H. C. Hill, who suggested and directed the gathering of so many persons who had all time or other been connected with the College.

As the homes of both Mr. Thayer and Mr. Hill are situated some distance from the city, the meeting was held at the home of Mr. Thayer for the parents who furnished a sumptuous chicken-pie dinner. The party consisted of the following persons.

- C. J. Monroe, South Haven;
- Prof. C. D. Smith, M. A. C.; Prof. U. P. Hedrick, M. A. C.; Dr. M. E. Elva Worden, Petoskey;
- C. B. Cook, Owosso;
- F. R. O. Wells, Rochester;
- H. Wermuth, Detroit;
- F. E. Root, Covert;
- Mr. and Mrs. R. C. Thayer, Benton Harbor;
- Mrs. Paul and Mr. M. C. H. Hilton, Benton Harbor;
- S. B. Hartman, Athens;
- Mrs. Robinson. The credit of making such an informal way is due to Mr. and Mrs. H. C. Hill, who suggested and directed the gathering of so many persons who had all time or other been connected with the College.

“Never be led,” said the pencil.
“Never lose your head,” said the calendar.
“Be up to date,” said the calendar.
“Live to make a good impression,” said the seal.
“Never be led,” said the pencil.
“Make light of everything,” said the seal.
“Never be led,” said the pencil.
“Be sharp in your dealings,” said the mirror.
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