NORMAL—M. A. C. DEBATE.

M. A. C. represented by Messrs. Anderson, Johnson and Gardner, upheld the affirmative of the question, "Resolved, That the limitations in the electoral district, residence in the state and one year of age, as provided in the constitution promulgated in 1890, and in effect January 1, 1892, are legally and morally justifiable." The Normal debaters were Miss Mabel G. Miller, Mr. Roy Herald, and Mr. Robert Reinholt. The principal limitations referred to were payment of taxes, including a two-dollar poll tax, reading or interpreting any section of the constitution and was now depriving him of that right. The moral side, naturally the stronger side of the question, was practically neglected. In the face of a pronunciamento by the supreme court favorable to the constitutionality of the restrictions, it seemed strange why the Normal debaters should make the legal phase their main point. The affirmative in rebuttal showed that ignorant whites were excluded as well as ignorant blacks. The legal side was touched up and the underling clause defended. A resume of the arguments of the side closed the debate. The Normal debaters had done a great deal of work but showed lack of form and absence of team work. Their rebuttal was quite animated but they were unable to successfully handle the situation. The M. A. C. team was more mature, better trained, had full command of the situation, took tenable ground and not once faltered or halted throughout the contest. They worked as a unit and sacrificed individual glory to effective co-operation. They were superior to the normal team in every respect. The judges were Hon. J. B. Moore, Chief Justice of the State Supreme Court, Rev. W. H. Osborne of Battle Creek and Prof. C. H. Gurney of Hillsdale College. The decision was unanimous for the affirmative. Judge Carpenter of the Supreme Court presided. Res. Jones, Prof. Lathers, and 225 enthusiastic pedagogues accompanied the team. The teachers were quite demonstrative and supported their debaters with yelling songs. The best of feeling prevailed and all expressed themselves as well satisfied with the treatment received. Three strangers attempted to secure admission through the wrong door and caused a slight disturbance while Miss Miller was speaking. But since no M. A. C. students were in the group and at least one was a prominent Normalite, no charge can be made that there was an attempt to create confusion. The best of order prevailed throughout.

After the debate a reception was given to the visitors to the Woman's Building. About 400 were present. Miss Lyford showed her power of organization and management to be well high perfect.

Dr. Edwards has worked early and late to bring this contest to a successful close. The members of the team have been very faithful and constant during the long series of preliminaries and are to be congratulated upon this well-earned victory. A debate of this kind is of inestimable value not only to the participants but also to the college at large. More real good is derived from it than from any term study in the entire course. The work should bring the hearty support of every student and teacher on the grounds.

BRAINS NECESSARY.

An editorial in the Detroit Press of April 17 discusses at some length the propositions of Mr. Quinn, a labor leader from Chicago, in which he is willing to work 10 years for a farmer providing at the end of that time he is given a 40-acre farm. Mr. Quinn believes that the ownership of land is essential to prosperity and he says no insurmountable obstacle that anybody can farm. The editorial concludes as follows:

"Mr. Quinn, however, has probably underestimated the strenuousness of the farmer's life. There is a prevailing belief among the laboring men of cities that it is easy to be a successful farmer if the plutocrats will only let you get hold of the land. As a matter of fact, it requires much less brain and much less industry to gain a comfortable living in the city than in the country. Any man that has strength and persistence enough to swing a pick can manage to make a living in town. It requires brains and skill to make a living on a farm. The necessities of city life demand far more mental capacity and intelligence than the necessities of city life.

Most ordinarily successful city folk, when they were transferred to the country, would starve, or drag out a miserable existence. Before Mr. Quinn proposed to exchange the simple life of the labor leader for the compli­ cated life of the farm, he will do well to determine whether he is really capable of being a farmer. To order a strike is simple business; but it takes ability to order a farm.

ALUMNI.

With '97:

Isaac E. Barnum recently died in Denver, Colorado, from an attack of pleuro-pneumonia. He was born in Paw Paw, Michigan, May 15, 1824. He entered M. A. C. in 1833, but left at the end of the year to enlist in the United States navy. After being mustered out, he entered the law department of the university and upon graduation established a law business in his native town. In 1843 he moved to Chicago and in 1877 to Denver. Here he soon became one of the leading members of the bar. He was always active in public life but seldom allowed his name to be mentioned in connection with any office. He served as police magistrate of Denver for one term. He was a member of the Central Christian church and frequently conducted its services. Mr. Barnum and one son, E. A. Barnum, survive him. The Record extends its sympathy to the relatives and friends of the deceased."

"99.


"93.

Prof. C. F. Wheeler, of the U. S. Department of Agriculture, will have charge of the botanic garden at this college. Louis Exposition. He is staying at the home of Mrs. Oscar Clute. Prof. Wheeler is one of the foremost systematic botanists in the United States, and has a host of friends at M. A. C. and among the alumni, because of the pleasure of being in his classes.

"95.

Clay Tallman, a senior law at the University, visited his classmates, G. Masselin, and called on friends at M. A.C., last Saturday and Sunday. Mr. Tallman is especially interested in law as applied to mining and has written a thesis on the rights of incidental veins. He will probably locate in some western state this fall.

"96.

R. E. Doolittle, state analyst, is in St. Louis this week arranging the exhibit of the National Association of Dairy and Food Department, Mr. Doolittle is a member of the committee which has charge of this work.

N. M. Morse has charge of a 600-acre farm near Carson City, Mich. His sample trees, which also has considerable live stock. Reports say that he recently joined the band of benefactors.

"97.

S. L. Ingerson is employed in Battle Creek at present. He visited at M. A. C. last Saturday.
THE M. A. C. RECORD.

Published Every Tuesday During the College Term
Michigan Agricultural College

EDITORS:
G. MASSELINK, Managing Editor.
Associate Editors:

TUESDAY, APR. 26, 1904.

NOTICE

The fifth annual intercollegiate oratorical contest of the Prohibition League will be held in the Armory Friday evening, April 30, at 8 o'clock. Watch for further announcement. The colleges of the state including the university, will take part in this contest.

BASEBALL

Michigan played Kalamaozo 6 to 4, Albion 17 to 6, Hillsdale 19 to 6, and Cass City 12 to 11, Monday, April 25 to ready to retrieve last year's defeat. The game was a good one and closer than the score would indicate.

Two costly errors netted the U. of M. three runs. Aside from this the playing on both sides was about even. An occasional shower interfered with the best work. M. C. is satisfied in every respect. Michigan said we hit Nagle harder than we were hit. We got the same number of runs. The errors were made in the second and fourth innings.

G. M. C. | A. R. RH | P. A. E. | 6 4 2 2 4
Rudner | 1 1 1 1 1
Bird n | 4 4 1 2 3 1
De Prees | 1 1 1 1 1
Campbell | 5 5 0 0 2 1
Boyle | 3 3 1 1 1
Alderger | 4 4 1 1 1
Turner | 4 4 1 1 1
Krause | 4 4 1 1 1
Nagle | 3 3 1 1 1

M. A. C.

Miller | 4 4 1 2 1
Clapp | 4 4 1 2 1
Clausen | 4 4 1 2 1
Armstron | 4 4 0 0 4 1
Rovell | 3 3 1 1 1
Kilworth | 3 3 0 1 2
Turner | 1 1 1 1 1
Rosenmaa | 3 3 1 1 1
Hyde | 4 4 0 0 1 1

Byron. Attendance, 1200. Time, 1 hour 31 min.

The features of the game for Michigan were the fielding of Alderger and the roughness of De Prees on bat. For M. A. C. Miller and Clausen's fielding, Ellisworth's running catch and Hyde's excellent pitching. The Michigan team are hard hitters, but Hyde proved quite a puzzle. Chapman, although injured, brought in a fine game. M. A. C.'s team work was good and each man put up a fine game.

WELLS VICTORIOUS

Wells Hall distanced Williams and Abbot in the field meet last Saturday. The following were the events:

20-yd. hurdle — McKenna 1, Small 2, Martin 3, Graham 4.
Shot put — Krau 1, McKenna 2, Mc, Dermid 3, Hyde 4.
Distance — 315 yds.
Two-fifths mile — Burrell 1, Bennett 2, McKenna 3, Pearall 4, Lambert 5.
Hammer throw — McKenna 1, Bennett 2, McKenna 3, Mc, Dermid 4, Case 5.
One-fifth mile — Graham 1, Bennett 2, Martin 3, Rogers 4, Grover 5.

100 yds — Graham 1, Bennett 2, Martin 3, Mc, Dermid 4, Case 5.
220-yard dash — Graham 1, Martin 2, Small 3, McKenna 4, Lambert 5.
Running high jump — Small 1, Stevens 2, Lambert 3, Pearsall 4.
Running-broad jump — Pearsall 1, Gen 2, Lambert 3, Pearsall 4, Case 5.
One-fifth mile — Small 1, Lambert 2, Martin 3, Graham 4, Sterling 5.
50 ft. pole — Graham 1, Pearsall 2, Lambert 3, Pearsall 4, Case 5.
50 ft. hammer — Graham 1, Martin 2, Small 3, McKenna 4, Lambert 5.
100 yds — Graham 1, Bennett 2, Martin 3, Mc, Dermid 4, Case 5.
220-yard dash — Graham 1, Pearsall 2, Lambert 3, Sterling 4, Lambert 5.

Miss Bertha Malone, a teacher in the high school at Centerville, Iowa, sent blanks to the members of WELLS VICTORIOUS.

THE M. A. C. RECORD.

THE M. A. C. RECORD.

Miss Harding, ex-secretary of the Lansing Y. W. C. A., who has been doing Y. W. C. A. work in the mill district of Swanton, Pa., for the past year, talked to a large and appreciative audience at the Thursday evening, April 14, Y. W. C. A. meeting. She told of her work there, and of the great need of workers and urged the girls to take up the work when they have completed their college course.

The Union Literary Society gave a very pleasant 11 o'clock last Saturday evening. The music for the occasion was furnished by Messrs. Robinson and Netzorg. The programs were arranged as classification cards and contained among others the following subjects: Campanist i g, Museum 1 i s, Club C, Please call, Sanitation, Rustic Bridge, Ponsy 1 i f and Special Exam S, Among those present from outside the city Clay Talman and Miss Nancy MacArthur, with '96, of Ann Arbor, Dr. A. F. Gordon '91 and Mrs. Gordon and Miss Russell of Lansing, and Miss Jennie Masse- lin, of Drenthe, who is visiting at her brother's, Prof. and Mrs. Babcock were the class officers.

OUR ADVERTISERS.

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We have no recent addresses of the remaining five members of the class.

The rapid disappearance of wild flowers, ferns, and the mutilation of shrubbery in the colleges has attracted the attention of most botanists in the United States. Thoughtless or selfish people pick or pull plants of spring beauty, trillium, adder tongue, toothwort, asarum, and many others, every one of which perishes from the woods or is nearly destroyed. Does the person say there are plenty left? Search the woods north of the hospital and behold the death of flowers, owing largely to frequent visits of people who have carried away a handful at a time, until now the supply is nearly exhausted and students go farther and farther back, especially to the college woods south of the river.

It is hoped that some of those most interested will organize a society for the protection of wild flowers.

W. J. BEAL.
The remarks of the Record on the M. A. C. district school have not only germinated and produced vegetative organs, but have also blossomed and will bear much fruit on April 30. Instructor Longyear, expert in botanical lines, is responsible for this remarkable development. Shrubbery, bulbs, flower seeds, labor, fertilizers and money are being offered to assist this worthy enterprise. The grounds will be fixed up in good shape and made to compose favorably with the College campus as to artistic arrangement and general neatness. Good!

In 1888, 12 trees were planted at M. A. C. on Arbor Day. Each class, the base ball team, the society, the "Cooks" and the mechanics planted trees. President Wilson accepted each tree in a next little speech. Four of these trees are still alive. The athletic tree was shot in the neck during target practice. The pepperidge planted by the ladies in the botanical garden had good care and flourished today. The white oak between the library and the horticultural laboratory was planted by the seniors. After fruit last year, it was planted by the sophomores near the armory is alive but not much more can be said about it. There is a possibility that another is still alive but its location has been forgotten.

A-43 Parson, general secretary of the Y. M. C. A. at the state university, will speak at the Union Meeting on Sunday evening, May 1. Mr. Parson is a Harvard graduate and a young man of considerable ability. His address will be interesting and should be well attended.

Miss Helen Andrews conducted the Thursday evening W. Y. W. C. A. Subject, "Heart Music." Miss Gilchrist lead the Sunday evening meeting. The subject of our religion in every day life and the reality of God as brought out through His presence in nature and His spirit in our lives were discussed.

Major Vernou is receiving favorable notice in the press concerning his work as inspector of the National Guard. The major not only criticizes and instructs the men but the officers as well. One thing which is especially valuable in his work is his talk on conduct while off duty as well as when in the drill hall. "Be gentlemen at all times and do not disgrace your uniforms."

The jolly time attending the Phi Delta party, given at the Armory Saturday evening, will always remain a source of much enjoyment in the memory of the many friends and alumni. The armory was very prettily decorated with hunting and palm. The evening was ideal for such an event, clear and cloudless, with a balmy southern breeze that enticed many to seek the freshness of the open air. The music was excellent, and, to its strains, the dancers waltzed, two-stepped and otherwise made merry. The announcement of the last dance was received with a tinge of regret. Chaptermen, Prof. and Mrs. Brewer, Prof. and Mrs. Gunson.

The College of Newell received their friends at the home of his daughter, Mrs. U. P. Hedrick, for the past week. He has been at the home of his daughter, Mrs. U. P. Hedrick, for the past week. The remarks of the Record on the M. A. C. district school have not only germinated and produced vegetative organs, but have also blossomed and will bear much fruit on April 30. Instructor Longyear, expert in botanical lines, is responsible for this remarkable development. Shrubbery, bulbs, flower seeds, labor, fertilizers and money are being offered to assist this worthy enterprise. The grounds will be fixed up in good shape and made to compose favorably with the College campus as to artistic arrangement and general neatness. Good!
SUGGESTIONS AS TO CARE OF NEWLY PLANTED TREES.

Stir ground thoroughly every week until the middle of August. This softens the roots and prevents evaporation of moisture. A mulch of straw or leaves can be used but should be removed before winter in order to prevent attack of mice. Watch the borers and remove them where found. Keep an eye on all injurious insects. Remove branches starting in the wrong place and pinch back those growing too vigorously. Raking the ground around the tree every week from early spring to August or September, is the essential thing. Very little watering is necessary if the ground is kept well cultivated. Tress are frequently injured and sometimes killed by the injudicious use of water.

Y. M. C. A.

The Thursday evening prayer meeting was led by Mr. C. C. Ford, Subject, "How shall we divide our time?" E. 3:15. The discussion was led by Messrs. C. D. Sterling and E. N. Bates. The suggestions were helpful and practical.

Saturday evening Mr. C. D. Hursey, national secretary of the western colleges, addressed the men in chapel. His theme was, "The Battle of the College Man." It was a thoroughly practical address, the three principal enemies of the college man being shown to be profanity, promoters of vice and the girl, all of which was well attended for Saturday night.

Rev. E. M. Lake, of Lansing, conducted chapel service Sunday morning. His text was Matt. 5:9, and the sermon was along the line of choosing our companions. It was practical and interesting.

Sunday night Mr. Hursey again addressed the young men. He showed the world-wide work of the Y. M. C. A. and urged students to use college men in this work, both at home and abroad. It was one of the best meetings we have had this school year. The talk was an impressive one, and of the kind that brings men to face with the problems of the association.

R. E. H.

1897.

James A. Elliott is a physician in Battle Creek.

W. C. Stewart called at the College recently while taking an examination for admission to the bar in Lansing. Mr. Stewart passed the requirements and is now a full-fledged attorney.

1897.

Howard D. Harlow, of East Jordan, visited at M. A. C. last Thursday. He has been doing some work in surveying the northern part of the state and went to Chicago to secure employment in the railroad work.

R. L. Brown is a dalmatian at Menomonie. His business is prepping and he is spending his spare moments trying to improve a prospective M. A. C. student.

1897.

Ray L. Vandercook was married to Miss Mabel E. Glapion, of Deerfield, Michigan, on Wednesday, August 22. They will be at home after May first. The Record extends congratulations.

F. W. Robinson, chemist of the experiment station, has issued a bulletin on breakfast foods. Part one is a scientific discussion of the compounds and laws of nutrition. Food is defined as "any substance which, taken into the system, builds tissue or yields energy which is of use in the performance of natural functions." Part two is taken up with the breakfast foods in particular. Table I gives the trade name, manufacturer, weight and price of purchase of 38 different foods. The weight of a package varies from 10 ounces to two pounds. The price varies from 10 to 20 cents per pound, the lighter ones being in no sense the cheaper. Table II gives the analysis of each compound as to per cent of moisture, crude protein, carbohydrates, crude fiber and ash. The fuel value in calories is also given. Table II gives the soluble and insoluble per cents. The insoluble starch varies from 17.59 per cent to 77.15 per cent. 37 of the 38 samples are predigested (7) foods contained over 60 per cent of insoluble starch. The fuel value of the food is about one-half of that of butter and salt pork, the average being about the same as corn meal. Table V is the most important in the bulletin. It shows the comparative food value of the 38 breakfast foods and 17 of the principal foods, such as eggs, milk, cheese, potatoes, bread, corn meal, etc., on the basis of the amount which can be bought for 10 cents. From the standpoint of cost, corn meal furnishes more than twice as much nourishment as any breakfast food. White wheat bread is just about the average. In discussing the presence of fiber, Mr. Robinson says that while breakfast foods contain a considerable amount of fiber, the presence of this very fiber contributes to their wholesomeness and gives buoyancy and life to the meal and aids the digestive organs in their peristaltic action. In the foods there is exceedingly palatable and this is an important factor in the solution of human food. It contains important conclusions, the principal ones being that oatmeal is ahead of most of the prepared breakfast foods in being tender, that predigestion is only partly, that the price is excessive and that the claims made for many of them are not warranted by the facts. The bulletin is exceedingly interesting and is a valuable contribution from the scientific as well as practical standpoint.

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