

# The M. A. C. Record.

VOL. 4.

LANSING, MICHIGAN, TUESDAY, MAY 23, 1899.

No. 36

## Distinguished Visitors.

A party from the University of Illinois, consisting of Prof. Eugene Davenport '78; Prof. P. G. Holden '89; Dr. Burrill, professor of botany; Col. W. H. Fulkerson, Mrs. A. A. Abbot, Mrs. Turner Carriell and Mr. Fred Hatch, four members of the University Board of Trustees, spent Friday looking over our College. With them was Mr. Llewellyn, architect of the proposed new agricultural building. They were on visiting tour to a number of state institutions, had just visited Wisconsin, and were "billed" for Geneva, Cornell and Columbus after leaving here.

## Two Games Lost.

"Monday afternoon of last week we helped Hillsdale score her first victory." These are the identical words we used in the RECORD one year ago today; they tell part of the story of two games played just a year apart by Hillsdale and M. A. C. There are two other striking similarities in the two games. The score in both games was 10 to 5, and the victory followed six defeats for Hillsdale in both cases.

Inability to hit French at any stage of the game was the cause of our small score. We did not get an earned run. On the other hand all but two of Hillsdale's runs resulted from Beebe's wildness in the box and two costly errors, one by Norton and one by Schwartz. Considering the number of bases on balls, it was only by the most brilliant fielding that our boys kept their opponents' score down to 10. Decker made two sensational catches of foul flies, and figured in two double plays; Ranney is credited with an error on a low throw but accepted without error seven other chances, three of which were in double plays; and Krentel caught a perfect game, although his throws to second were too slow to catch runners. Depew caught well for Hillsdale and threw accurately to bases. Score—

Innings	1	2	3	4	5	6	7	8	9	R. H. E.
Hillsdale	3	0	0	3	1	1	2	0	—	10 9 6
M. A. C.	0	0	0	1	0	0	2	1	—	5 4 5

Batteries—French and Depew; Beebe and Krentel. Struck out—By French, 4; by Beebe 3. Bases on balls—Off French, 4; off Beebe, 8. Hit by pitcher—French, 4; Beebe, 1. Passed ball—Depew. Two-base hit—Chase. Three base hit—Beebe. Double plays—Decker, Ranney and Kennedy; Decker and Ranney; Ranney and Krentel. Umpire—Fox.

It was hardly two games lost; the one with Kalamazoo Saturday was given away. Had it not been for Norton's errors—four of them on the easiest kind of chances—in the first inning, Kalamazoo would have been shut out in that inning; as it was they scored eleven runs, enough to win any ordinary game, before the first three men were out. This was too much of a handicap to overcome, yet in spite of it the team played a plucky up-hill game.

The boys were somewhat dispirited before the game began because of Captain Ranney's resignation, and this may have had something to do with their loose playing. Mr. Ranney was protested by Albion because he played last summer on one of the northern resort

teams and received his board while there. The protest was not sustained at the Jackson conference, probably because nearly every college in the association has men in the same list. Notwithstanding this, it was thought that these men, according to the letter of the rules, were ineligible to play; and Mr. Ranney, in order to avoid further trouble, resigned.

His resignation necessitated several changes on the team. His position as captain was filled by the election of A. C. Krentel, and his position at second base was played by R. W. Case, who put up a very satisfactory game, both in the field and on bases. Armstrong, another new man, played a perfect game in right field, covered his territory well and batted strongly for a man with so little practice.

The visitors played a rather loose game, probably because there was no necessity to play otherwise. Calhoun did good work in the box, and Cotton and F. Stripp led for batting honors. Score:

Innings	1	2	3	4	5	6	7	8	9	R. H. E.
Kalamazoo	11	3	0	0	0	1	1	0	—	16 13 10
M. A. C.	2	0	0	3	0	4	1	0	—	11 10 14

Batteries—Calhoun and A. Stripp, Wolf and Krentel. Struck out—By Calhoun, 10. Bases on balls—By Calhoun, 2; by Wolf, 2. Hit by pitcher—By Calhoun, 4. Passed balls—By Stripp, 1; by Krentel, 1. Two-base hits—Cotton, Decker. Three-base hits—Decker, Beebe. Sacrifice hit—Beebe. Umpire—Morrissey.

## Decoration Day Exercises.

In honor of the soldiers who died in defence of the Union in the late war of the rebellion, memorial day will be appropriately observed at this college on May 30, at the college armory.

### ORDER OF EXERCISES.

The college cadets in uniform but without arms will form on the parade ground, and march into the armory at 7:45 a. m. The armory will be open to the public and all patriotic citizens are invited.

The religious exercises will be conducted by President Snyder.

Music by the College choir. Kipling's recessional hymn. Oration by Captian Allen of Portland.

National Hymn, by choir and congregation.

## The College Volunteers Have Returned.

Company E of the 31st M. V. I., in which were six M. A. C. students, returned Friday night at midnight. They were expected in the afternoon, when it was intended that the cadet battalion and band would be on hand to welcome them, but their late coming changed all plans, and only a few of the students were at the depot when the train bearing our volunteers pulled in.

Saturday morning all but Hart, who is visiting relatives in Tennessee, came out to the College and were welcomed most heartily by their friends. Jewell went home Saturday afternoon, but Quartermaster-Sergeant Clark and privates Eckenfels, Millar and Trumley remained over Sunday. All of the boys are looking well and all will enjoy a good visit at home before making any definite plans for the future.

Bronson Barlow, of Co. K., 19th U. S. Regulars, also returned Saturday. He happily surprised the members of his society by suddenly appearing at their business session, and said he was glad to get back into God's country once more. He received his discharge at Lares, Puerto Rico, and returned by way of Havana and New York. Mr. Barlow left Monday for his home in Greenville and will enter College again next fall.

## Best M. I. A. A. Records.

It may be interesting to know that nearly all our best athletic records have been made within the last three years, and that eight of these were established last year. We think of Leander Burnett '92 as our greatest all-around athlete, and considering the work he did for the college and the number of times he took the all-around medal, he is worthy of all the esteem we give him; yet only two of his records remain unbroken. Most of the records that now stand have been made by men who have trained according to modern methods and for but one or two events. We give below a list of the best M. I. A. A. records, by whom made and when:

100-yard dash—10 2-5 seconds, by Rickerd, Albion, 1891.  
220-yard dash—23 1-5 seconds, by Russel, M. A. C. in 1898.  
440-yard run—51 2 5 seconds, by Stroebe Kalamazoo, in 1897.—?  
Half-mile run—2:04 3-5, by Stroebe, Kalamazoo, in 1898.  
Mile run—4:48½, by North, Olivet, in 1896.  
Mile relay—3:35, by Hillsdale team, in 1888.  
Mile walk—7 min. 45 sec., by North, Olivet, in 1896.  
120-yard hurdle—17 1-5 seconds, by Bernart, M. A. C., in 1892.  
220-yard hurdle—27 seconds, by Russell, M. A. C., in 1898.  
Putting 16-pound shot—35 ft. 4¼ in., by Tompkins, M. A. C., in 1898.  
Throwing 16-pound hammer, 96 ft. 8 in., by Patterson, Normal, in 1893.  
High jump—5 ft. 5 in., by Hayne, Kalamazoo, in 1897.  
Running broad jump—20 ft. 7 in., by Cole, Albion, in 1896.  
Standing broad jump (with weights)—12 ft. 7 in., by Burnett, M. A. C., in 1888.  
Standing broad jump (without weights)—10 ft. 3¾ in., by Burnett, M. A. C., in 1892.  
Running hop step and jump—44 ft. 4 in., by Tompkins, M. A. C., in 1898.  
Pole vault—10 ft., by Wells, M. A. C., in 1898.  
High kick—9 ft. 4¼ in., by Hoxie, Normal, in 1898.  
Quarter-mile bicycle—36 seconds, by Peck, Albion, in 1896.  
Mile Bicycle—2:27, by Peck, Albion, in 1897.  
Five-mile bicycle—12:21, by Brown, M. A. C., in 1898.

It will be seen that M. A. C. holds nine of the 21 records, and that six of these were made last year when the boys prepared for field day under a thorough and competent trainer.

## Prize Reports of Farmers' Institutes.

Last autumn the following circular letter was sent to superintendents of schools at each point where a County Farmers' Institute was to be held during the winter. The circular explains itself.

*Prizes to pupils of graded and high schools, offered by the Michigan Agricultural College in connection with Farmers' Institutes.*

I. The contestants must be pupils actually enrolled in the high school or graded school of the town or village where the County Institute is held. (This contest does not apply to the so-called One-day Institutes.)

II. Contestants must attend at least one session of the Institute and make a written report of the proceedings of that session, giving a synopsis of each talk or paper presented, together with an intelligent report of the discussions which follow.

III. These reports must not be over 1,200 words in length, neatly written on one side of the paper, in ink.

IV. The report must first be judged by committees appointed by the superintendent or principal of the schools, and judged on the basis (1) of value as a complete report of the entire session, and (2) as to literary excellence.

V. The two reports (one by a young man, the other by a young woman) judged by local committees to be the best written by any pupils in the school, to be forwarded to the Superintendent of Institutes not later than March 15, 1899.

VI. Reports sent to the Superintendent of Institutes will be judged by competent persons designated by the Superintendent.

VII. Young men contesting must attend one general session of the Institute, preferably an afternoon session. Young ladies contesting for the premiums must attend the Women's Section of the Institute, if one is held.

### PRIZES.

The Agricultural College offers the following prizes for the most successful competitors in this contest.

1. To the young man sending in the best essay under the above rules, the Agricultural College will remit room rent for one year. This will amount to about \$15 or \$20, according to the room chosen.

2. To the young lady sending in the best essay under the above rules, the Agricultural College will remit room rent for one year. This will amount to about \$15 or \$20 according to the room chosen.

3. Any one securing either of these prizes will have the privilege of entering the College and utilizing the prize at any time within three years.

4. Reports from at least eight different schools must be received before the prizes become available.

THE MICHIGAN AGRICULTURAL COLLEGE,  
J. L. SNYDER, President.  
I. H. BUTTERFIELD, Secretary.

We have received reports, as the result of this competition, from 18

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# THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE MICHIGAN AGRICULTURAL COLLEGE.

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FOR various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

## Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings at 7:00 and Thursday evenings at 6:30. C. H. Parker, President. W. D. Wright, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on the campus, Tuesday evenings at 8:00, in Abbot Hall. Sunday meetings with the Y. M. C. A. Mable Brigham, President; Elizabeth Johns, Cor. Secretary.

KING'S DAUGHTERS—Meet alternate Wednesdays. Mrs. C. L. Weil, Leader. Mrs. M. L. Dean, Secretary.

NATURAL HISTORY SOCIETY—Meets alternate Wednesday evenings at 6:30 P. M., in the Zoological Lecture Room. W. B. Barrows, President. A. J. Cook, Secretary.

BOTANICAL CLUB—Meets Monday evenings at 6:30 in the Botanical Laboratory. Miss Marie Belliss, President. W. S. Palmer, Secretary.

SHAKESPEARE CLUB—Meets Wednesday evenings at 7:30. Dr. Howard Edwards, President.

ADELPHIC SOCIETY—Meetings every Saturday evening at 7:00, Class room A., College Hall. O. L. Ayers, President. L. Carrier, Secretary.

COLUMBIAN LITERARY SOCIETY—Meetings every Saturday evening at 7:00. Fourth floor, Williams Hall. S. L. Ingerson, President. V. M. Shoemith, Secretary.

ECLECTIC SOCIETY—Meetings every Saturday evening at 7:00, Fourth Floor, Williams Hall. W. H. Flynn, President. L. H. Taylor, Secretary.

FERONIAN SOCIETY—Meetings every Thursday afternoon at 4:00, West Ward, Wells Hall. Teresa A. Bristol, President. Alice Gunn, Secretary.

HESPERIAN SOCIETY—Meetings every Saturday evening at 7:00, West Ward, Wells Hall. A. H. Stone, President. L. B. Littell, Secretary.

OLYMPIC SOCIETY—Meetings every Saturday evening at 7:00, Fourth Floor, Williams Hall. E. R. Russell, President. G. E. Chadsey, Secretary.

PHI DELTA THETA FRATERNITY—Meetings every Friday evening at 7:30, East Ward, Wells Hall. A. B. Krentel, President. G. Wide-man, Secretary.

THEMIAN SOCIETY—Meetings every Friday afternoon at 2:00, Phi Delta Theta Rooms, East Ward, Wells Hall. Lula Pepple, President. Maggie Snell, Secretary.

UNION LITERARY SOCIETY—Meetings every Saturday evening at 7:00, U. L. S. Hall. A. T. Swift, President. C. A. McCue, Secretary.

TAU BETA PI FRATERNITY—Meetings on alternate Thursday evenings, Tower Room, Mechanical Laboratory. W. H. Flynn, President. P. S. Rose, Secretary.

CLUB BOARDING ASSOCIATION—John Severance, President. H. S. Putney, Secretary.

M. A. C. ATHLETIC ASSOCIATION—E. W. Ranney, President. R. M. Norton, Secretary.

## Prize Reports of Farmers' Institutes.

(CONTINUED FROM PAGE 1)

schools. A total of 425 students attended the Institutes at the various points, 220 of these being boys and 205 girls. Of those attending 149 entered as competitors under this prize contest, 71 of these being boys and 78 of them girls. Pupils from several other schools attended the Institutes, but did not compete, and no report was made to us. A total of 15 essays written by young ladies, and 16 written by young men, was sent to the College for final judgment. Three of the essays by young men were too long, much overrunning the limit of 1,200 words. These, unfortunately, had to be thrown out of the contest, leaving thirteen competitors among the young men.

The following table shows the names of the schools competing, the

attendance at the Institute from boys and girls from various schools, the number of those competing, and the names of writers of the essays sent in for final decision.

The essays were turned over to the proper authorities at the College, and according to their judgment the following are entitled to the prizes. Of the young men, Mr. Raymond H. Bangs, of the Alma school, receives first prize. Of the young women, Miss Margaret B. Preston, of the Grass Lake school, receives first prize. These young people are therefore entitled to room rent for one year in the Agricultural College, and may take advantage of the prize at any time during the next three years.

The superintendents of the various schools in making reports, in reply to questions asked, are almost unanimous in their view that the plan is a good one for arousing interest, among high school pupils, in agricultural education, and they also nearly unanimously recommend that the plan be continued. Many more schools competed than a year ago, and we hope that if the plan is continued a still larger number of schools will compete another winter. We publish both prize essays in full.

Name of School.	Attendance at Institute		Number Competing.		Names of Successful Writers in Institute.
	Boys	Girls	Boys	Girls	
Alma.....	12	8	2	0	Raymond H. Bangs.
Bear Lake....	18	22	3	5	Geo. Harris. Nellie Holliday. Morris W. Knight.
Cass City.....	8	3	1	1	Kate Zinnecker. Geo. Churchill.
Capac.....	4	3	4	3	Helen Brumm. Albert Tim. Ruth Frankish John Cashin.
Centerville....	2	2	2	2	Bessie Daniells. Wm. E. Laycock.
Clio.....	9	16	9	16	Wesley H. DuBois. Margaret B. Preston Lyman H. Boyd.
Elmira.....	30	25	5	6	Helena Barnard. Searles Raesley. Ethel Freed.
Grass Lake....	12	7	3	3	Claire Watson. Nettie Southwick. Harry Corgan. Ella Halter.
Kalkaska.....	12	3	7	1	Cass Lockwood. Eva Stevens. Inis Herrick.
Marshall.....	8	7	5	5	.....
Middleville...	4	7	4	6	.....
Ontonagon...	5	12	5	12	.....
Portland.....	9	6	5	2	.....
Quincy.....	30	40	0	2	.....
Rockford.....	.....	.....	2	.....	.....
Shelby.....	15	16	1	1	Bert Hamill. Linda Sandburg. Albert Temple.
Stephenson...	12	8	6	2	Florence Loth. Rockwell Dietz. Nellie Wilson.
Williamston..	30	20	7	11	.....
Total.....	425	205	149	78	.....

## PRIZE REPORT OF GRASS LAKE INSTITUTE, WOMEN'S SECTION.

BY MARGARET B. PRESTON.

The women's section of the State Farmer's Institute was held in the M. E. church Thursday afternoon, February 16. There was an attendance of about 75 ladies from the farm, 50 from the village and 17 school girls. The session was opened by singing America, after which Mrs. Remington offered prayer.

Miss Lucy Smith then read a paper on "Art Decorations in our Homes," which was full of good suggestions. She spoke first of the choice and hanging of the pictures. Two important points in choosing are quality and meaning. Copies of the most famous pictures can be bought in brown tints which do not cost much and can scarcely be told from better pictures. It is not ad-

visable however to buy cheap colored pictures.

Pictures may present something from history, or they may be flowers or landscapes, but whatever they are they should appeal to our minds, and we ought to learn to interpret them. In some we see great truths presented and in others we are brought in contact with other countries. In the home as well as the school the pictures should teach lessons of patriotism, purity and religion.

For a frame, select something simple and in harmony with the picture. The Ladies' Home Journal has given very good hints in the line of hanging pictures. A good background is necessary. High colors in wall paper spoil the effect. If the paper is not plain, it should at least have a simple design in subdued colors. Few people can afford to have statuary in the home, but there are pretty plaster paris moulds which are quite inexpensive. Miss Smith closed with the quotation that says our minds are galleries filled with pictures and by refusing to look at the evil ones they gradually disappear.

The discussion was opened by Mrs. Hookway who said that colors should be adapted to the rooms and that carpets and rugs should be in harmony with other furnishings. Mrs. David Rowe told how two girls were influenced by pictures over their beds. Mrs. Minnie Clark thought that the blue prints of Madonnas, etc., ought to take the place of the meaningless, highly colored pictures in children's rooms.

This closed the discussion and the next thing on the program was "A Talk with Home Makers" by Mrs. Ella M. Rockwood, but as Mrs. Rockwood was unable to be there, Miss Rushmore of the Agricultural College gave a lesson on eggs. She wore a white shirt waist, white apron and dainty little white muslin cap, and looked very neat and attractive. She had with her a chafing dish, a number of kitchen utensils and material for making custard, curried eggs, and egg omelet. Her chafing dish was composed of an alcohol lamp with a frame above it to support the cooking-pan.

First she made custard, explaining the reason for everything she did. I will not attempt in this space to give the recipes she used, but will tell a little about her methods. For custard always use a double cooker. Custard is cooked when it sticks to the spoon. If it is cooked too long it will curdle, that is the heat will harden the albumen in the egg too much. If this should happen, set the pan containing the custard in a pan of cold water and beat the custard with a revolving egg-beater. This will bring it back if it has not gone too far. In beating eggs the object is to get air in and if a little salt is put in, it will toughen the egg and make it hold air better.

While making the custard, Miss Rushmore gave an interesting talk on eggs. They are very nutritious as a food. An analysis of 1 pound (about 10 eggs) shows that in this amount there are 2/3 lb. water, 2 oz. albumen, 2 oz. fat and a very small quantity of mineral matter. The mineral matter is very necessary for the growth of teeth and bones. Nourishment such as albumen and fat build up the muscles and give heat to the body. Albumen is one of the most nourishing of foods and is found in a purer form in the white of eggs than in any other place.

The value of eggs as a food depends upon their digestibility and price. The cost of a food must always be considered. Albumen is more digestible raw than cooked. We cook it because it looks better and tastes better. The question is often asked, what makes eggs bad? The shell is not air-tight as is often supposed, but is porous and the air which enters through the shell makes eggs bad. A very good way to keep them is to rub them over with lard or vaseline. They should stand point downward and be kept in a cool place.

Miss Rushmore next made curried eggs. For this she cut up hard boiled eggs and poured over them a sauce which she made, using curry powder. While cooking the sauce she spoke of the importance of cooking starch-food thoroughly, since raw starch causes indigestion. Starch is found in tiny grains and the starch grains of wheat, rice, corn, etc., all have different forms. Cooking of starch is one of the first lessons taken up at the College. Animal starch is found in a very small quantity in the liver. In each meal, one should study to have the proper proportion of starch, fat, and muscle food. The Chinese eat starch almost entirely and cannot withstand disease as well as people who eat meat.

Next Miss Rushmore made egg omelet. Each of the three dishes she prepared were passed around to the ladies in the audience, as soon as finished.

Then she told about the course for girls at the College. In the cooking department, they are taught how to cook the different kinds of food and the food value of each. There is also a waitress' course and in the second year a course of lectures on domestic science and also a study of what to do in case of sickness and emergency. In the sewing department, they begin with plain sewing and gradually advance until they can cut and make lined dresses.

This closed Miss Rushmore's talk and the lady choir gave a selection. Mrs. Ada Cooper then read a paper on "The Minor Duties of Life." The heroic age of Greece and Rome has departed and now real greatness lies in doing well the little duties in life. She who leaves home and goes from battlefield to battlefield tending the sick and wounded is the greatest heroine we can find.

It is not by one act of greatness but by constant and careful attention to the minor duties that character is moulded. We should be careful not to waste our time, energy or opportunities. Each minute has its purpose. Opportunities are duties.

The question box was taken up next. A number of questions about the Agricultural College, also about the lesson on eggs, indicated an interest in the work Miss Rushmore represented.

The session was closed with another selection from the lady choir. The general impression left on those present at the meeting seemed to be a pleasant one.

## PRIZE REPORT OF ALMA INSTITUTE GENERAL SESSION.

BY RAYMOND H. BANGS.

Mr. Allen, the chairman of the County Board of Agriculture, called the meeting to order and introduced as first speaker of the session, Mr. Jason Woodman of Paw Paw.

Mr. Woodman's subject was, Building up an Exhausted Farm; a

subject interesting to all, especially to farmers whose soil is sand.

He explained how injurious it was to over crop land and asserted that we will have to grasp some new method of farming or quit the business. Farms are growing old and farmers are beginning to see that the fertility is not what it once was. The natural fertility, caused by accumulation, during past ages, of the ever decaying leaves from the forests, is giving out.

What is to be done to restore the fertility. Mr. Woodman gave some very good hints how this may be accomplished. He said that everything in the line of refuse matter should be spread on the land as fertilizer. Many farmers burn up matter that could well be used for this purpose.

He thinks we should keep enough stock on our farms to use up all our surplus hay and grain; thus it may be converted into fertilizer and go back into our own soil instead of some other man's.

In most cases it should be well rotted before being spread on the ground, although a light coat of straw spread over a meadow or pasture field causes the grass to grow more rapidly and makes a thicker sod, which is very valuable as fertilizer when turned under.

Mr. Woodman thinks clover is one of our best means of restoring fertility, no matter if the insects do bother it. He says that the roots strike deeper into the ground and draw more fertility to the surface than most plants. If there is an abundance of rainfall during the summer, it is a good plan to plow ground early in the spring, cultivate well, and sow to clover about the middle of June. Insects do not work in such clover as bad as in that sowed in the early spring.

Of the different kinds of clover he asserts that mammoth red has borne the best test, that is for all purposes. Crimson clover probably ranks fourth; it is an excellent plant to be grown around fruit trees. Alfalfa, he has no use for. Its roots are too large, and to plow up an Alfalfa meadow which is two or three years old, is about like plowing among the roots of a grub oak thicket.

Mr. Woodman stated that beans and corn, if turned under when green, enrich the soil as much as a good coat of well rotted manure. He gave one process for enriching the soil which I believe would be a good one for some of our farmers to try. Sow rye in the fall of the year, plow it up early in the spring, sow to rape about the middle of May and continue the process for four or five years. The rape makes splendid pasture, therefore the land may be of some value while its fertility is increasing. He cautioned farmers to be very careful about leaving the manure from the stables in a position where the water from the eaves could drop down upon it, and added that few men realize the loss occasioned by being careless about such seemingly small matters. This ended Mr. Woodman's talk.

Prof. Smith of the Michigan Agricultural College was introduced as second speaker. Sugar Beets was his topic. This subject was perhaps more interesting to farmers than anything during the whole institute, judging by the number of questions asked Mr. Smith.

Professor Smith said he had visited California, Nebraska, and all the

other states where sugar beets were being grown and declared that Michigan's prospects for leading the industry are better than any other state. (Applause). What is necessary for a good sugar beet locality is good black loam soil and plenty of rainfall. Michigan has both. (Applause). Clay soil is not adapted to the industry, as it causes the beets to grow in a sprangly form and is very difficult to clean from the roots.

Muck soil grows too large beets and is not generally used for such. He thinks the ground for beets should be plowed quite deep, but adds that it all depends on the fertility and hardness of the soil. The seed should be from beets bearing high test and free from weed seed, and fifteen pounds should generally be sown to each acre, that is, when the rows are twenty inches apart. The reason for putting so much on each acre is to make certain that no breaks occur in the rows.

Where ground is full of weed seed it is well to sow turnip seed with the beet seed; turnip seed germinates more quickly and one is enabled to see the rows better. In this way the weeds may be cut out before the beets appear above the ground. He stated that it would be unprofitable for farmers to use the common grain drill for sowing beets. The drills used sow two rows at a time.

Prof. Smith cautioned farmers not to let beets get too large before weeding and thinning. As soon as the rows can be easily seen the work should commence. They should be thinned out to one single beet every seven inches. The job is a difficult one; he figured that it took one person working seven and one half hours a day, seven and one half days to weed and thin an acre of them. The first time through them is the hardest part, for after they get large enough to shade the ground little care is required. He said that the pulling and topping costs about six dollars per acre, but predicted that in the near future, some American ingenuity would appear in the form of a beet harvester. The harvesting time is most critical of all business. A heavy rainfall, when they are ready to harvest, is liable to cause a second growth.

By careful figuring, Prof. Smith proved that it does not pay for farmers to grow sugar beets where they have more than five miles to haul them. Persons living two or three miles from the factory can haul four or five loads each day but those living five miles cannot take more than two loads per day. The cost of raising an acre of beets varies—costing from thirty to forty dollars per acre, and the net profit runs from ten to thirty dollars per acre.

Numerous questions were asked both speakers of the session who answered very satisfactorily, showing that they had a thorough knowledge of their subjects. One question was asked Prof. Smith which may be of interest to some. Would the sugar beet industry be a profitable one if the bounty were removed? He proved that farmers would realize from three and one half to four dollars per ton if there was no bounty at all.

This ended the afternoon session and the meeting stood adjourned.

Life may be a stage, but it is more like a court house, from the fact that it is full of trials.

Have taken the agency for the Celebrated A. G. Spalding & Co's

## Athletic ...Goods

COLLEGE SWEATERS,  
RACING SUITS,  
Etc., Etc.

Have an elegant line of

## NEGLIGEE SHIRTS

this season, some with collars to match. Silk fronts, and some with attached cuffs, all new and up-to-date.

## An Elegant Assortment of... Neckwear

Golf Hose, Golf Trousers,  
Blue Serge Coats  
(Either single or double-breasted.)

Student's Patronage Solicited.

## ELGIN MIFFLIN.

## ALL MEATS....

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTTER.

Washington Ave. South.

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### News from Graduates and Students.

I. R. Jones with '94, Delton, will attend field day.

Prof. J. W. Matthews '85 came down with the Grand Rapids excursionists Friday.

C. A. Graves with '97m has been asked to remain at Addison as principal, at an increase of salary.

John W. Clemons '86, St. Johns, is traveling salesman for the Perkins Windmill Co., and has the territory of Iowa and Missouri.

L. C. Brooks '92m has been advanced recently to the position of engineer in the commercial department, by the General Electric Company.

"Home's Sweet Harmonies" is the title of a collection of songs just published by Frank Hodgman '62. The alumni library is indebted to him for a copy.

Leon J. Cole with '99 goes to Alaska as taxidermist with the Harriman expedition, which will be made up of eminent scientists sent out to make collections.

### At College.

E. S. Good spent Sunday in Flint.

Lieut. and Mrs. Bandholt have been guests of Prof. and Mrs. Weil since Friday evening.

The Union Literary Society gave an informal reception Saturday evening to Ralph Clark.

In the Eclectic Society oratorical contest last Saturday evening, J. A. Bulkeley won first place.

Prof. and Mrs. J. D. Towar will live at Backus Cottage during the remainder of the school year.

The College band furnished music at the sacred concert in the Baptist church, Sunday evening.

The young ladies will give a musicale in the chapel Friday night, May 26, at eight o'clock. All are invited.

The Kings Daughter's will meet with Mrs. W. J. Beal Wednesday. Lesson, Isaiah 55th and 56th chapters. Text, "Mercy."

Last Tuesday morning we were favored with chapel talks from Hon. Jason E. Hammond '86 and Hon. William Donovan.

The twelfth annual field day of the M. I. A. A. will be held Friday and Saturday, June 1 and 2, on the fair grounds in Lansing.

Mrs. Holdsworth and her two boys left for Traverse City Thursday, to spend the summer in their cottage on the shore of Traverse Bay.

M. A. C. will be represented at the International Y. M. C. A. convention in Grand Rapids May 25-28, by Messrs. W. O. Beal, E. A. Richmond, Geo. Severance and C. H. Parker.

The Natural History Society will meet next Wednesday evening at 6:30 in the zoological lecture room. At this meeting will occur the annual election of officers and it is important that all members be present.

There were crowds of Grand Rapids people here Friday. Two hundred and thirty registered at the museum and it is safe to say that this number did not represent one-fifth of those who visited the grounds.

Mr. Enoch Banker, of Jackson, whose name appears in the first catalogue of this College as assistant in chemistry, visited M. A. C. Tuesday.

In the preliminary ladies' tennis singles last week, Misses Garfield, O'Connor, Crosby and Nolan won. The semi-finals will be played this week; Miss Garfield against Miss Crosby and Miss O'Connor against Miss Nolan.

The freshmen had no difficulty Saturday morning in defeating the sophomores at baseball. It was by the merest good luck that the latter scored two runs; while the freshmen ran the bases almost at will until they had run up a score of 34.

### The Last Military Hop.

The last of the series of military hops was enjoyed last Friday evening by nearly 200 young people. The music, floor and all appointments were such as to make the party a delightful one. Just before ten o'clock Lieutenant and Mrs. Bandholtz arrived and immediately were surrounded by a host of friends, who, a few moments later, gave voice to their pleasure in a rousing cheer for their guests. Then the dance was resumed and continued until eleven-thirty. Among the out-of-town guests were H. W. Hart '97, M. F. Loomis with '94 and Misses Bess Carland and Mina Eveleth, of Corunna.

### Entertained the Faculty Ladies.

The Feronians entertained the faculty ladies in their society rooms Thursday afternoon with the following program:

Piano solo—Miss Cannel.  
Recitation—Miss Mabel Bristol.  
Glimpses of the Southern Negro—Miss Monroe.  
Piano solo—Miss Rich.  
Critic's Report—Miss Robson.

Bobby—Say, Popsy, what's political economy?

"Never to buy any more votes than you absolutely need."—*Life*.

Newell Little—Is this wireless telegraphy practicable?

Newsome Moore—Why, sure! The yellow journals used it all through the war.—*Life*.

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A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

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