

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 10.

LANSING, MICHIGAN, TUESDAY, JUNE 6, 1905.

No. 37

M. A. C. WINS FOUR OF THE SIX FIELD DAY PENNANTS.

FIELD AND TRACK — RELAY — TUMBLING AND INDOOR.

Field day has come and gone and M. A. C. has four trophies to show for the good work done. Friday and Saturday were ideal days for the sports, and fully twice as many people were in attendance as on any previous occasion. It was conceded by all to be the most successful intercollegiate meet ever held, and much credit is due the management for the pleasant way in which everything passed off. The program was carried out without a hitch, and excellent good feeling prevailed throughout. Large delegations from the other colleges were present, many arriving on Thursday evening, and practically every available room near the grounds was taken by Friday noon.

One of the features of the meet was the *record breaking* which took place. Following are the records which were beaten:—880-yard run by Milliken, of Olivet, in 2-3 2-5, old record 2-4 3-5 by Stroebe, Kalamazoo in '98; mile run by Bolen, of Albion, in 4-44 2-5, old record, 4-48 2-5 by Ward, of Hillsdale, in 1902; two mile run, Waite, M. A. C. in 10-41, old record 10-49 2-5 by Swift of Olivet; hammer throw, won by Moore, of Kalamazoo, at 128 ft. 4 in., old record, 123 ft. 7 in. by Maddock, of Albion. High jump won by Nicholson, M. A. C. at 5 ft. 7 1/4, old record 5 ft. 7 in. by Hyney, Albion; relay won by M. A. C. in 3-34 3-5 breaking Hillsdale record of 1888.

Following is a complete list of the

TRACK EVENTS.

Friday Afternoon.

100-yard dash—Moon, M. A. C.; Myers, Hillsdale; Graham, M. A. C. Time, 10 1-5 seconds.

Running high jump—Nicholson, M. A. C.; Hyney, Albion; Moore, Kalamazoo. Height, 5-7 1/4.

One mile run—Bolen, Albion; Underwood, Olivet; Baker, Hillsdale. Time, 4-44 2-5.

Pole vault—Gongwer, M. A. C., and Bishop, Olivet, tied for first; Small, M. A. C., and Moore, Olivet, tied for third. Height, 10 ft., 2 in.

120-yard hurdles—Bartell, Albion; Small, M. A. C.; Graham, M. A. C. Time, 17 seconds.

Discus throw—F. Kratz, M. A. C.; Moore, Kalamazoo; McCallum, Alma. Distance, 102-4.

Saturday, a. m.

220 yard hurdles—Bartell, Albion; McKenna, M. A. C.; Pear-sall, M. A. C. Time, 28 1-5.

Half-mile run—Milliken, Olivet; Burrell, M. A. C.; Bolen, Albion. Time, 2 min., 3 2-5 sec.

220-yard dash—Moon, M. A. C.; Tryon, M. A. C.; Myers, Hillsdale. Time, 22 2-5.

Two-mile run—Waite, M. A. C.; Baer, Hillsdale; Main, Hillsdale. Time, 10-41.

440-yard dash; Moon, M. A. C., Tryon, M. A. C., Hemingway, Olivet. Time, 53 1-5.

Shot put; Betts, Olivet, Kratz, M. A. C., Burroughs, M. A. C. Distance, 37 ft 11 1/4 in.

Running broad jump; Nicholson, M. A. C., Moon, M. A. C., Hemingway, Olivet. Distance, 21 ft 1 1/2 in.

16-lb hammer; Moore, Kalamazoo, Johnson, Alma, Bair, Olivet. Distance, 128 ft 4 in.

M. A. C. WON RELAY.

For the first time in 17 years the relay record was broken. Every man on the team ran with a vengeance. Moon was the first to lead and made a big gain on his opponent which was seemingly not only held by the others but some good gains made. Following is a list of the entries made for this race. M. A. C.—Moon, Burrell, Tryon, Graham; Olivet—Schenk, Loomis, Hemenway, Miller; Kalamazoo—Balch, Arndts, Fisher, Wares. Won by M. A. C. in 3-34 3-5 seconds, thus breaking the record made by Hillsdale in 1888.

The relative points in the track field are as follows:

M. A. C.	69 1/2
Olivet	23 1/2
Albion	19
Kalamazoo	10
Hillsdale	9
Alma	4

M. A. C., 6—HILLSDALE, 2.

At four o'clock on Friday the semi-final ball game was played between M. A. C. and Hillsdale, resulting in the above score. The day was ideal for a ball game, although the spectators found the bleachers almost too warm for comfort.

The feature of the game was the double play by Wilcox, catching a line hit and doubling a man on third unassisted. Shaffer made a two-base hit in the fourth, driving in two runs for M. A. C. and cinching the game. Shaffer also pitched an excellent game, keeping the hits well scattered and not allowing a single base on balls. M. A. C. won the game by clean hitting and good base running, getting 11 clean hits, every man on the team scoring at least one.

Following is the line up:

HILLSDALE	R	H	P	O	A	E
Walrath p	0	1	1	3	1	
Brown r	1	0	1	0	0	
Wescott l	0	0	1	0	0	
Hogan i	0	1	9	1	0	
Rowe c	0	1	2	1	0	
Alger c	0	0	0	3	0	
Clements	0	0	1	1	0	
Steimle 2	0	3	1	2	1	
Myers m	1	2	5	0	0	
Totals	2	8	24	8	2	

M. A. C.	R	H	P	O	A	E
Armstrongs	0	1	0	4	1	
McKenna r	0	1	4	0	0	
Burke i	0	1	10	0	2	
Canfield 2	1	1	3	3	0	
Boyle c	0	1	2	1	0	
Towner l	2	1	0	0	0	
Gunnison m	2	2	2	0	0	
Wilcox 3	0	1	5	2	0	
Shaffer p	1	2	1	3	0	
Totals	6	11	27	13	3	

Two base hits, Shaffer, Hogan. Double play, Wilcox. Struck out by Walrath 3. Bases on balls Walrath 1.

ALBION 12—M. A. C. 2.

On Saturday afternoon M. A. C. was defeated in the final cup game by Albion. Errors on the part of the home team coupled with good playing and lucky hits on the part of the visitors were responsible for the size of the score. It seemed impossible for M. A. C. to make a good hit when a hit would mean scores, while Albion seemed to get her heavy hits when the bases were full. M. A. C. played the poorest game of season while Albion seemed at her best. Striker and Bliss who have played for four years as Albion's battery were used to playing under just such excitement while the freshmen battery of M. A. C. was up against the *real thing* for the first time. M. A. C. was also under somewhat of a strain having played the day before while her opponents were fresh. Wilcox was in no condition to play and until about the time the game was called no one knew whether he would be able to take his place on third.

For Albion, Striker and Bliss got eight of the hits made, Striker securing five thus driving in nine runs, Bliss getting three safe ones.

For M. A. C. Canfield played an excellent game, driving out a hit which went over the crowd and secured a three-bagger. Burke also played a strong game. Nearly 4,000 people witnessed this game.

Following is the line-up:

ALBION	R	H	P	O	A	E
Brail m	1	2	2	0	0	
Ellerby 3	2	2	1	0	0	
Howe s	0	0	1	1	1	
Bliss c	3	3	9	0	0	
Striker p	2	5	2	2	0	
Frey 2	1	0	3	2	0	
Squire l	2	1	2	0	0	
Hyney i	0	0	6	0	0	
Moulton r	1	2	1	0	0	
Totals	12	14	27	5	1	

M. A. C.	R	H	P	O	A	E
Armstrong s	1	1	2	2	3	
McKenna r	0	1	0	0	0	
Canfield 2	1	2	0	1	0	
Towner l	0	0	1	0	0	
Boyle c	0	1	9	0	0	
Burke i	0	0	15	0	0	
Gunnison m	0	0	0	0	1	
Wilcox 3	0	0	0	7	2	
Neis p	0	1	0	6	2	
Totals	2	7	27	16	8	

Two base hits, Armstrong. Three base hits, Canfield, Squire, Striker. Stolen base, M. A. C., 5; Albion, 3. Struck out by Striker, 8, by Neis, 6. Umpire, Byron.

INDOOR MEET.

Wrestling.

Middle weight—Won by Marshall of Alma; Bronson, Hillsdale, 2nd.

Light weight—Won by L. H. Belknap of M. A. C.; Campbell of Albion, 2nd.

Heavy weight—Won by Bell, M. A. C.; Mitchell, Hillsdale, 2nd.

Feather weight—Won by Col-dren, Hillsdale; Brown, M. A. C. 2nd.

Welter weight—Won by Spencer, M. A. C.; Birdsall, Olivet, 2nd. Special class—Won by L. B.

(Concluded on page 2.)

ALUMNI.

PURDUE UNIVERSITY.

W. C. Latta, '77, M. S., 1882, entered Purdue as instructor in agriculture in 1882; made professor of agriculture in 1883; agriculturist at the experiment station when the Hatch bill went into effect; made superintendent of farmers' institutes in 1889. He is, at the present time, consulting agriculturist of the experiment station, the senior member of the agricultural faculty, in charge of the agricultural department of Purdue University.

James Troop, '78, M. S., 1882, began work at Purdue University in 1884 as instructor in horticulture and biology; made professor in 1885, and horticulturist and entomologist to the experiment station the same year. He is vice president of the American Apple Growers' Congress, member of the American Pomological Society; member of the executive committee of the Indiana Horticultural Society and state entomologist.

H. E. Van Norman, '97, came to Purdue as farm superintendent in the spring of 1898. In the winters he assisted in giving instruction in farm butter-making. In 1902 he was made assistant in dairying, and has since given all his time to the work of the dairy department. In 1903 he was made associate professor of dairying and placed in charge of the dairy department. In connection with the instructional and experimental work in progress in his department, he operates a commercial creamery for Purdue University, making several thousand pounds of butter per month. He is secretary and treasurer of the State Dairy Association, does a good deal of Farmers' Institute work, and was superintendent of Indiana's butter and cheese exhibit at the World's Fair, St. Louis.

J. R. McColl, '90, came to Purdue in 1902, and occupies the position of Professor of Steam Engineering in Purdue University.

'97-'98.

Harry A. Burnett was on the campus one day last week. Mr. Burnett is manager of the Ray Chemical Company. This company is located in Detroit, and manufactures a general line of pharmaceutical goods, but is paying special attention to the manufacture of pepsin and ferments. They expect to employ H. C. Oven, '05, to aid in the development of a peptic ferment to replace rennet in the manufacture of cheese. This company purchases pig stomachs from the large packing houses in Chicago and works them up at their house in Detroit which is one of the largest manufacturing of pepsin in the United States.

Professor L. P. Breckenridge was Professor of Mechanical Engineering at M. A. C. in 1891 and 1892. Has held a similar position at the University of Illinois since 1893.

THE M. A. C. RECORD.

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TUESDAY, JUNE 6, 1905.

SOME of the matter used in the RECORD this week concerning student organizations, expenses, engineering, etc., will be used in the quarterly bulletin which will soon be out. This bulletin gives information concerning the work of the various departments of the College and will be mailed to any who desire same. Students having friends whom they wish to interest in college work should leave names and addresses at the president's office and bulletins will be forwarded them as soon as they are received from the press.

M. A. C. WINS PENNANTS.

(Continued from page 1.)

Belknap, M. A. C.; Towers, Albion, 2nd.

In the individual club swinging Clark of Olivet was given 1st and Hach of M. A. C., 2nd.

Horizontal bar—Buss, M. A. C., 1st; Field of Albion, 2nd.

Parallel bars, Bvss of M. A. C., was the only contestant.

The summary of points, M. A. C., 36; Hillsdale, 11; Albion, 9; Olivet, 8; Alma, 5.

Tumbling.

M. A. C. was given the tumbling pennant. Only two teams were entered for this event, Olivet's team consisting of Arnold and Bird-sall. M. A. C. was represented by Barnett, Belknap and Brown. The work of both teams was good, but that of the M. A. C. team was somewhat smoother and received much favorable comment.

As stated before the meet was a decided success, and much credit is due Coach Brewer for the excellent work done in getting the men in shape for this the last and best event of the season. We have reason to feel proud of the teams representing old M. A. C. on account of the successful work just finished, and we are certain the many alumni and friends of the institution thoroughly enjoyed their visit on June 2 and 3.

TENNIS RESULTS.

In tennis Albion was "it" winning first in both ladies' singles and doubles; first in men's singles and second in men's doubles. Following are the results:

Tennis finals, men's singles.—Black, of Albion, won from Reynolds, of Hillsdale. Score: 6-4, 3-6, 4-6, 6-4, 6-4.

Ladies' singles, finals—Miss Kamp, of Albion, won from Miss Soule, of Hillsdale. Score: 0-6, 6-2, 6-3.

Ladies' doubles, finals—Misses Kamp and Bucknell, of Albion, won from Misses Hyde and Benham, of M. A. C. Score: 6-0, 6-2.

Men's doubles—Reynolds and Walrath, of Hillsdale, won from Black and Fall, of Albion, by 6-4, 6-4, 4-6, 5-7, 6-4.

Challenges for second place: Ladies' doubles—Misses Soule and Myers, of Hillsdale, won from Misses Hyde and Benham, of M. A. C., by 6-1, 6-0.

Men's doubles—Black and Fall, of Albion, won from Taft and Gould, of M. A. C. by 6-4, 5-7, 6-2.

Men's singles—Reynolds, of Hillsdale, won from Upjohn, of Kalamazoo, by 6-2, 6-3.

In one of the fastest and cleanest games ever played at M. A. C. Detroit Business University was beaten May 30, by the score of 2 to 1. The fielding of both teams was excellent. Detroit hit the ball fairly hard, but the good fielding of M. A. C. shut them off with but one run. Shaffer pitched the first five innings and Nies the remainder, both doing good work. Up to the last half of the ninth it was the visitors' game, the score standing 1 to 0. At the last time to bat Nies got a safe hit, Armstrong took a base on balls and McKenna struck out. Burke bunted and in the confusion the bases were filled. Canfield then hit one to second; two runs were made and the game was won. About 800 people attended the game.

The D. B. U. team is composed of professional players who represent the university only in an advertising way, they themselves not being students. They begin the season's playing about June 1st and usually play every day through the summer.

Following is the score by innings:

	1	2	3	4	5	6	7	8	9	R	H	E
D. B. U.	0	0	0	1	0	0	0	0	0	1	5	1
M. A. C.	0	0	0	0	0	0	0	0	2	2	4	1

M. A. C. HORT. CLUB.

At the meeting, May 31st, Messrs. Stanton, Bos and Burrell gave reports of their thesis work. Mr. Stanton was to determine if there was any relation existing between the color of apple blossoms and their time of maturity; the relation between color of blossoms and color of fruit, and the relation between size of blossoms and size of fruit. Upon examination of 108 varieties he found that there was no relation at all between blossoms and fruit in the foregoing particulars.

Mr. Bos worked with pollen of apple blossoms, and found that pollen will germinate on a glass slide, in a drop of distilled water, after having been confined in a paper sack or glass vial for from 11 to 20 days.

Mr. Burrell's work was with strawberry pollen, and he found that pollen from freshly opened flowers will retain its vitality from 6 to 12 days when confined in paper sacks or glass vials.

Next week it is expected that

Mr. Beach of the Geneva experiment station will speak before the Club.

O. B. BURRELL, Sec'y.

FARMERS' CLUB.

Mr. Colon C. Lillie spoke before the Farmers' Club, Tuesday evening, on "Handling the Dairy Herd during the Summer." Feeding is much more complicated in summer than in winter. In winter the conditions are always the same, while in summer the pasture is unreliable. A dairy cow can subsist without much exercise and it is better to harvest the crop as two and one-half times as much is obtained. It does not pay to use anything but cheap land for pasture. There should be grain ration in the supplementary feed. Soiling is too expensive because of the amount of labor required. A summer silo has all the advantages without the disadvantages. Clover hay makes a good supplementary food and corn meal or wheat bran a good grain ration. The most important thing is to feed liberally. A certain amount is required as maintenance ration and all above this must necessarily increase the profit. A large per cent. of the common cows will produce a profit if properly fed.

During hot weather and fly time it is best to keep the herd in the barn except at night. The cattle should be kept in as soon as there is any frosts. A winter milker is more profitable than the spring milker because of the better prices obtained for products. It equalizes the labor and solves the labor problem by furnishing labor during the winter.

Misses Louise Matteson and Florence Waxham of Whitehall spent a few days with Bess Covell.

R. L. Clute, '96, was at M. A. C. for field day. Mr. Clute has just returned from the Philippines, on a five months' leave of absence, where he has been teaching agriculture in the Normal school at Manilla during the past four years.

G. A. Goodenough, '91, was instructor in Mechanical Engineering at University of Illinois, 1895-1897, then taught 2 years at Scranton, Pa. Was called back to University of Illinois as Assistant Professor of Mechanical Engineering in 1899, which position he has held since that time.

E. S. Good, class 1903, was appointed assistant in animal husbandry, Agricultural experiment station in July, 1903, and in July, 1904, was appointed instructor in animal husbandry in College of Agriculture and assistant in animal husbandry, agricultural experiment station.

URBANA, ILL.

E. Davenport, class '78, was professor of agriculture M. A. C. from 1889 to 1891. Resigned to accept the directorship of collegio agromoca, Piricicaba, South America. In 1895 he was appointed dean of the College of Agriculture of the University of Illinois and soon after to the first directorship of the experiment station. When he came to the university there were but 20 students enrolled in agriculture and no equipment. He has seen the college of agriculture grow and ex-

pand until it is today the largest and best endowed of any similar institution in the world. There are twice as many instructors and investigators in the college and station today as there were students six years ago. Total enrollment of students in agriculture this year is 406.

Charles S. Crandall, class 1873, assistant in horticulture M. A. C. 1885-1889. Professor of botany and horticulture, Colorado Agricultural College 1890-1900. Since 1902 he has been assistant professor of horticulture at the University of Illinois.

Herbert W. Mumford, Class '91, came to U. of I. in September, 1901, as Professor of Animal Husbandry and Chief in Animal Husbandry, Agricultural Experiment Station. Five men connected with this department devote their entire time to the instruction and investigation in live stock, exclusive of dairy cattle. The Governor has just signed a bill appropriating twenty-five thousand dollars a year for live stock experimental work. In addition to this appropriation the department receives ten thousand a year for College equipment and maintenance and one thousand from U. S. Station fund.

Dwight T. Randall, with class '96, left M. A. C. fall '95, and graduated from University of Illinois, '97. Has taught at University of Illinois for four years and is now Assistant Professor of Steam Engineering. Mrs. Dwight Randall whose maiden name was Myrtle Peck was with the class of '98.

H. W. Geller, '04, is taking work in agronomy at Illinois. His thesis work is quite extensive, and owing to the lateness of the full development of some of the crops, will not be completed until late in August.

An interesting letter has recently been received from L. B. Judson, professor of horticulture in the Idaho Agricultural College at Moscow. He states that his work during the past two and one-half years has been full of interest and pleasure and thinks Idaho a great state. Mr. Judson is also vice president of the Idaho State Horticultural Association which has a membership of about 300. We quote the following from his letter:

"I spend from six to eight weeks each year in institute work, which has given me an excellent opportunity to see the state from one end to the other. The distances are enormous out here. It takes us twenty-four hours to go to Boise, as we have to make a detour through Washington and Oregon, and my mileage on a trip last winter to the southeastern corner of the state was a trifle less than 2,000 miles, including 200 miles of staging.

"We have an exceptionally fine fruit country here. The apples are wonders in size and beauty; the sweet cherries would be mistaken by an Easterner for plums until he tasted their rich flesh, and the plums are unexcelled in size and flavor. All the hardy fruits, in short, grow to perfection, and in one favored locality less than thirty miles from here peaches and California grapes develop as perfectly as anywhere in California itself.

"I have a pleasant visit with Severance of Pullman (Wash.) occasionally, and understand that he is soon to be made Assistant Professor of Agronomy."

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ABOUT THE CAMPUS.

There will be a special school meeting held at the M. A. C. school house Monday evening, June 12, at 7:30 o'clock.

Prof. P. B. Woodworth and wife of Chicago were visiting College friends the past week and took in the field day sports.

College work for seniors closes Saturday, June 10, at noon. For all others work closes Saturday, June 17, at noon.

Mrs. E. J. Rugg entertained Thursday evening in honor of Miss Maxwell, who leaves soon for her position in Port Huron.

Miss Margaret Kotvis who has been the guest of Miss Helen Baker for several days, left for her home Thursday of last week.

A cordial invitation is extended to all to attend the students' recital to be held in the Women's Building Saturday evening, June 10, at 7:30.

Mr. Clyde Finn, of Traverse City, has purchased a lot on College Heights and will begin building a home at once. Mr. Finn is a contractor and mason.

H. C. Newman, Miss Rubie Newman, and Mr. and Mrs. Holloway, of Portland, Mich., were the guests of Instructor and Mrs. Newman a few days the past week.

Prof. and Mrs. H. W. Reynolds of Berkeley, Cal., are visiting at the latter's parents in Okemos. Prof. Reynolds reports a pleasant year's work in California, and stated that the climatic conditions are especially enjoyable.

John D. Nies, '94, was with College friends for field day. Mr. Nies is at present instructor in Lewis Institute, Chicago. He is a brother of E. Nies of the baseball team.

A pocket note book containing the name of Bert Stowell, Pontiac, was found near College Hall last Monday. Same may be had by calling at the Experiment Station, chemical laboratory.

Miss Johnson, State Secretary of the Y. W. C. A. is spending a few days at the Woman's Building this week. She led a very interesting meeting Wednesday night. A Lakeside conference was held after the meeting.

Prof. W. F. Gaskins, director of music at the Northern Indiana Normal College, was among the visitors at the Women's Building during the past week. He spent Saturday and Sunday with his mother, Mrs. F. L. Gaskins.

Thursday afternoon Mr. Morris Green, of Detroit, gave a talk to the senior engineering students on the manufacture of artificial graphite and similar products. The lecture was most interesting and thoroughly enjoyed by those present.

Mr. Richard Hiscock, engineer at M. A. C., '87-'91, who left the College fourteen years ago to become instructor in Steam Engineering at Cornell University, made his first visit to the College since that time, one day the past week.

Among those who were seen at field day last week were Jack Bowditch, '08; E. W. Ranney, '00;

Harry Meek, with '05; Ward Bartram, with '07; Robt. Maltby, Geo. V. Howard, and H. T. Ross, of '04; Doc. Dey, '03, and E. I. Dail, '02.

It was what might be called a record-breaking field day.

Miss Maud Miner, of Owosso, was a College visitor during field day exercises.

The Union Literary Society have elected the following officers for the fall term, 1905: Pres., Mr. J. R. Lambert; Vice Pres., Mr. M. F. Johnson; Treas., Mr. O. K. White; Sec., Mr. E. Nies; Record editor, Mr. E. A. Willson; marshal, Mr. R. C. Potts.

The young women of the woodwork classes will give an exhibition of the work of the year in the wood-working room of the Women's Building, Saturday, June 10th from 9 a. m. to 4 p. m. All students and friends of the college are most cordially invited to call in.

The Hesperian Society has elected the following officers for the fall term, 1905: President, W. D. Carpenter; Vice President, W. V. Baker; Secretary, W. A. Hopson; Treasurer, S. B. Lily; Marshal, H. C. Silcox; Registrar, C. M. Granger; Record Editor, H. Cody.

Three promising young athletes, whose names for obvious reasons have heretofore been kept secret from the athletic world, tried out for the 100-yd. last Tuesday. We could not take time for the dust, but the following places were awarded: E. Wieder, first; Joe Taylor, second; while C. Cavanaugh fought

hard for third. Therefore we do not wonder why these young men smiled at the slow time made in the recent meet.

The Abbot Hall "Lucky Stars" won from the Sophomores Tuesday by a score of 3 to 2. Potts and Strand was the battery for the Stars, A. Kratz and Thatcher for the Sophs. The great features of the game was the base sliding by F. Kratz and wild rooting by Frankie Grover. There is some talk of inducing "Manager and Alderman" Johnson to feed his team on beefsteak and eggs for the remainder of the term, in preparation for the proposed strenuous summer trip.

The worst storm of the season struck the College and vicinity last night and from about 8:30 until one o'clock there was a perfect down-pour of rain which flooded many of the cellars about the College, and especially those in Collegeville. In one or two instances the water rose until people began taking up carpets and rugs as it seemed likely that the first floors would be covered. Water was standing this morning in all of the low places on the Campus, the botanic garden is almost a vast lake and not a little damage will result to the College gardens and farm crops either by drowning out of same or by the washing of the soil. The cars were hindered for a time as the track was washed out badly in many places. It was the worst storm experienced here since the flood one year ago at Easter time.

Among the student organizations at M. A. C. may be mentioned the Botanical Club, Farmers' Club, Horticultural Club, Debating Club, Electrical Club, and Senior Engineering Society. These organizations meet weekly for the purpose of discussing subjects in which the members are personally interested and are able oftentimes to bring to these meetings speakers who give the benefit of a practical experience to those who attend.

There are also chapters of the Alpha Zeta and Tau Beta Pi fraternities at the College. The object of these fraternities is to mark in a fitting manner those who have distinguished themselves in agricultural or mechanical studies.

The Y. M. C. A. represents the religious life of the young men of the institution. It is open to all men of the College, and through organized effort endeavors to hold the moral life of M. A. C. up to a high standard. During the past year there has been a membership of 243 and an enrollment of 200 in the different bible classes which meet every Sunday morning. Two years ago the growth of the association demanded a man to give his whole time to the administration of the association work and since then a man has been retained in that position. At present plans are being made for a building to be erected on the campus to supply the demands placed upon the Y. M. C. A. by its rapid growth.

A prayer service is held in the Woman's Building Thursday evenings at 6:30, at which time there are Bible readings and discussions of missionary and social topics. A most cordial invitation is extended to both new and old students to be present and take some part in these meetings. Bible classes among the young women also furnish splendid opportunity for Bible study.

The expense of a course at M. A. C. is very reasonable when the character of the work and instruction are taken into consideration. Upon entering, each student is required to pay an entrance fee of \$5.00, and at graduation a fee of \$5.00 is also charged. Students are charged fees for laboratory work to cover cost of material, breakages, etc. Rooms with private families may be secured at from \$1.00 to \$1.25 per week for each occupant. These rooms are furnished, heated and lighted. Board in the clubs will cost from \$1.75 to \$2.75 per week. All male students not physically disabled are required to take military drill and to purchase a uniform costing about \$15.00. Those taking the engineering course are required to purchase a set of drawing instruments costing \$23 to \$25. Text books will cost from \$15 to \$20 per year. In addition to the above named expenses students will have laundry dues and other small items of expense so that it is impossible to state the exact amount per year. The cost will perhaps run from \$175 to \$250 per year.

For further information concerning the work of the College write President J. L. Snyder for the last annual catalog.

The mechanical course was inaugurated in 1885, and during the past year nearly 400 students were enroll-

ed for this work. In this course particular emphasis is placed upon the study of mathematics, the study of theoretical principles underlying the science of machines, and the practice of constructing machines.

The equipment for technical work consists of a machine shop, forge shop, carpenter shop, foundry, lathe room for wood work, a drafting room for advanced work and two drawing rooms.

The number of general culture studies in this course is necessarily not as large as in the agricultural course, but the work in mathematics and physics is more extended. The work in English composition is much the same, and a five-term course in German or its equivalent is also offered.

A Summer School under the direction of the Mechanical Engineering Department is to be held this year beginning June 28, and ending August 9. The objects sought in this school are to provide special training for artisans; to give instruction in shop work to engineering students; to give instruction in shop work and drawing to manual training teachers. An effort will be made to provide for the needs of each student. Opportunity is also offered in this summer school for engineering students to cover certain required shop work courses of an engineering school. Those who are interested in this work should write Prof. Chas. L. Weil, Agricultural College, for bulletin, which gives full information.

Y. M. C. A.

Rev. Mr. Long, of Ludington, preached the Sunday morning sermon at chapel. His text was Phil. 3, 14, and he spoke impressively and earnestly on the value of a definite aim in life.

Sunday evening Mr. L. C. Buell, of Ann Arbor, gave an illustrated lecture on the Y. M. C. A. work that was most interesting. He outlined the division of the Y. M. C. A. work and its great development in late years. He spoke of the fact that the college Y. M. C. A. is regarded as the training school for Y. M. C. A. workers, and urged all who possibly could to attend the summer conference at Lakeside, because of its influence on the Y. M. C. A. man.

Among the views shown were several of interest to M. A. C.—especially of our Lakeside delegation last year and of our Mr. Hurst, of whom Mr. Buell spoke in glowing terms of praise. It was one of the best evening meetings of the term.

The Lakeside Conference meeting in the Y. M. C. A. was one of the best of the men's meetings held this year. Mr. Hurst conducted the services and called upon Messrs. Burrell, and McWethy, of M. A. C., and Mr. D. A. Johnson, of Alma. Mr. Burrell told of the beauties of Lakeside and its surroundings and of the influence thrown around a man in company with Christian young men from the other colleges. Mr. Johnson spoke of athletics for sport and recreation as they are carried out at the conference, while Mr. McWethy told of the religious side of life there, and of the inspiration received at the meeting.

Mrs. F. D. Glazier of Whitehall visited over Sunday with her son, H. I. Glazier.

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A slight misunderstanding caused us to state that there would be classes up to Friday noon. Students seemed just as well satisfied that there was not.

The board in the various clubs has been audited and show the following prices per week: A, \$2.56; B, \$2.66; C, \$1.82; E, \$2.72; G, \$2.30.