

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 12.

LANSING, MICHIGAN, TUESDAY, NOVEMBER 13, 1906.

No. 9

## M. A. C. 12 --- ALMA O

The pigskin has not as yet been carried over M. A. C.'s goal line this season. In the first game Olivet secured a field goal, and Notre Dame won the game on her own field through a blocked punt.

The game yesterday was by far the best seen on the home grounds this year, and was characterized all the way through by good consistent playing and the best of feeling on the part of both teams. Fishleigh who officiated stated that it was one of the very cleanest games he had ever seen although hard fought from start to finish. For M. A. C. Small's punting was a feature, also his own ability and that of McKenna in running back punts. The line was certainly great in stopping plunges. Burroughs, Dersnah, McKenna and Shedd were all consistent ground gainers.

The first half started by kick off to Alma, and by a series of plunges, end runs and passes, pushed the ball to M. A. C. five-yard line, and things looked dark for the home players. They decided not to let the ball go over, however, and Alma was held. The ball was then punted out of danger, and a battle royal once more began. The fine playing of the stocky visitors brought out much favorable comment and proved conclusively that the visiting team were held in high esteem by M. A. C. people in general.

On a fake punt in this half Small got away for a good long gain, but

aside from this the gains made were for the most part short ones. Doty was finally sent over for the first and only score in this half, Small kicking goal.

The second half was cut short on account of the visitors having to catch a train. In this half the ball was worked to the 40-yard line where a place-kick was tried, but failed. The ball was punted back and after changing hands several times M. A. C. again braced up and by a series of line plunges and end runs sent Shedd over for the second and last touchdown. Small kicked goal.

Alma brought quite a delegation and they were certainly a loyal crowd, cheering their team at every play.

This is the last home game of the season. The team on Saturday goes to Hillsdale and to Olivet on Nov. 24, where it is hoped a crowd may accompany the team. The line-up in yesterday's game follows:

M. A. C.		ALMA
Moore	c	Hill
Parker	guards	Marshall
Campbell		Horst
Burroughs	tackles	Moore
Dersnah		McCullum
Shedd	ends	Chapel
Dunlap		Bradfield
Boyle	half	Magidsohn
McKenna		Hoag
Doty	f	Helmer
Small	q	Casterlin

### DEBATING CLUB.

The most successful debate of the term, and it might be said of several terms was pulled off at last week's regular meeting. The question of Cuban annexation is a live one, and every speaker seemed to have absorbed the atmosphere of the question. Instead of the mechanical class room dialogue, too often evident with our debaters, every speech was given with snap and spirit, showing complete familiarity and absolute conviction in the subject.

With the honor of participating in the best debate of the year, the negative lead by G. V. Copson, supported by H. L. Kempster, rejoiced in a unanimous victory over E. L. Grover and O. W. Stephenson of the affirmative. The decision, rendered by Pres. Snyder, Prof. King and Mr. Gunson, was perhaps contrary to public sentiment, pointing out the fact that arguments by the debaters were the prompting factors.

Instead of the debate being completed at the usual hour (eight) it was nearly nine when the motion for adjournment cut short the unusually good program. Not that the four debaters occupied the floor all the time,—they seemed to have been forgotten; but the excitement caused by the extemporaneous faculty meeting so engrossed

the attention of the club that the session extended forty-five minutes beyond its usual limits.

At next Thursday's meeting the question will be upon the centralization of our public school system.

### HORTICULTURAL CLUB.

Last Wednesday evening Prof. Pettit gave the Hort. club an interesting lecture on "The Control of Insect Pests by their Natural Enemies." He said that, excluding the death of insect pests caused by disease, birds, and other insects, there are three other factors that help to control these pests. These are bacterial diseases, fungus diseases, and internal parasites.

Bacterial diseases are common with grubs cabbage worms and silk worms. They work on the internal anatomy of the insects chiefly, breaking down the internal tissues.

Fungus diseases are very numerous and only insects that come together in colonies are acted upon by this disease to any extent.

Internal parasites belong mostly to the hymenoptera and are very small. The life history of these parasites is very interesting as they have been found to even have parasites themselves thus having a primary and secondary parasite in the same host. Many of our pests can only be controlled by means of parasites.

## M. A. C. AT SAGINAW AND BAY CITY.

Mrs. Haner spent a part of last week visiting the schools of Saginaw and Bay City. Report of the Saginaw Normal Training High School was very favorable. Four of our M. A. C. girls are doing most excellent work there in Household Economics; Miss Annie Robinson and Miss Anna Finley in Domestic Art under the excellent management of Mrs. Mae M. Gingles as director. Miss Kate Coad has cooking and sewing in the same rooms, with the Parochial children who come out of their own school hours to avail themselves of the generous provision for them by Mr. Burt, who presented the building as a gift to the public schools.

The work in the Domestic Science department is very ably carried on in finely equipped laboratories. The equipment of the whole building is first in this section of the country.

Very satisfactory interest and enthusiasm is shown in the several shops and most excellent training is being given. The work in Bay City is not as well based, and more teachers in Household Economics are sadly needed. Fine efforts are being made however, to bring to the work greater attention and farther appropriation.

Twenty classes in all, of various subjects, were carefully covered in the visit, and the information and understanding gained from them is of direct importance to the present interests of our own work here at the College.

### CHICAGO ASSOCIATION.

The outing given the Chicago Alumni by H. C. Skeels recently was a very enjoyable affair. A goodly supply of eatables was on hand which was disposed of in the "Forest of Arden," after which a drive of five miles was made through the woods which everyone who was fortunate enough to be on hand voted a most pleasant trip. Those who accepted Mr. Skeel's invitation to spend the day with him were: J. H. Prost, '04, Mr. Simmons, O. J. Dean, '03, W. G. Feind, C. E. Smith, '84, Mrs. G. E. Simmons, Mrs. W. P. Hawley, W. P. Hawley, '92, Mrs. C. E. Smith, G. E. Simmons, '94, S. G. Walton, '86, G. E. Martin, '04, O. H. Skinner, '02, R. Stevens, '05, E. G. Kenny, '05, Mrs. S. G. Walton, Marion Weed, '91, Miss McKay, A. Fisk, '05, J. D. Nies, '94, P. B. Woodworth, '86, Mrs. P. B. Woodworth, '93, H. E. Harrison, '88, Geo. L. Teller, '88, Mrs. Rummeler, W. R. Rummeler, '86, Mary Walton, Alice Skeels, Paul Woodworth, Robert Woodworth.

The work of wiring for electric lights is moving along rapidly, all those buildings on the west and north tunnel having been wired and will soon be lighted by our own plant.

## ALUMNI.

'95.

Thorn Smith writes an interesting letter to Prof. Kedzie in which he states that our M. A. C. men down in Tennessee are doing good work. Those mentioned are Caine, Larison (former instructor), Lamoreaux and Wm. Melville. The latter was a special at M. A. C. in '95-'96 and is now with F. J. Falding of Copperhill and is at present superintending the erection of a 400-ton sulphuric acid plant for the Tennessee Copper Co. The question of not only securing this acid as a by-product from the smelting works, but also the establishment of plants for its manufacture, is being studied very carefully by both Mr. Smith and Mr. Melville.

'01.

H. J. Eustace who for several years has been connected with the Geneva experiment station is now with the bureau of plant husbandry, department of agriculture, Washington, D. C.

'02.

A pamphlet entitled "A Trip to the Andes" has been received from D. S. Bullock, missionary in Chile, for the library. The trip covered a distance of about 800 miles and was with pack horses. The object of Mr. Bullock's journey was to visit some of the boys who had previously attended the Mission School and to obtain a knowledge of the country. The pamphlet is written in an interesting way and we quote from the last paragraphs: "On the whole, the people one meets with down here in Southern Chile are very hospitable and kind, and the Mapuches, especially, will do all they can for you. Only once were we refused permission to stay all night, and then the lady of the house said that the "ruka" was good enough for a Mapuche, but would not do for an Englishman. I met many of the old boys from our school, and they all seemed delighted to see me, and several promised to come to school again this year." \* \* \* "I have received a letter from Mr. R. Denmark telling me of the sale of some bird and mammal skins which he took for me to England to the South Kensington natural history museum. They brought about 11 pounds with which he paid Pedro's expenses out to Michigan, U. S. A. I think this was pretty good as I had prepared these skins at odd times, and have made no regular business of curing them. There were 27 bird skins and 25 mammals, of which 18 were rats and mice. I shall do more collecting this winter."

'03.

W. J. Carrell is now assistant professor of civil engineering in the State College of Kentucky, Lexington. This might be termed an "exchange" as Mr. Wendt, of our mathematical department is from the above college.



# THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE  
COLLEGE YEAR BY THE  
MICHIGAN STATE AGRICULTURAL COLLEGE

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Subscription, 50 cents per year.  
Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps.

Address all subscriptions and advertising matter to the College Secretary, Agricultural College, Mich. Address all contributions to the Managing Editor.

Business Office with Lawrence & Van Buren Printing Co., 122 Ottawa St. E., Lansing, Mich. Entered as second-class mail matter, Lansing, Mich.

This paper is occasionally sent to non subscribers. Such persons need have no hesitation about taking the paper from the post-office, for no charge will be made for it. The only way, however, to secure the paper regularly is to subscribe.

TUESDAY, NOV. 13, 1906.

## M. A. C. 5—ALBION 0.

M. A. C. won handily from Albion on last Saturday, although by a small score. The team went into the game with the intention of saving themselves all they could, although it was expected a somewhat larger score would be registered. Albion made first down but once during the game, and at no time made consistent gains. M. A. C. would "get together" occasionally and do good team work at which times gains were made; but for the greater portion of the time little hard work was indulged in. It did not seem to be needed and Small did some practice in punting.

The first half ended 0 to 0, and the only touchdown secured was about the middle of the second half, when McKenna was sent over the line. Doty crossed with the ball, but the official had sounded his whistle. Albion was therefore given the pig-skin, and punted out of danger.

Umpire Hall, of Olivet. Referee, Kennedy, formerly of Albion. Time of halves, 20 minutes. Attendance 750.

M. A. C. lined up as follows: Shedd and Dunlap, ends; Burroughs and Dersnah, tackles; Campbell and Parker, guards; Boyle and McKenna, half backs; Moore, center; Small, quarter; Doty (Capt.) full back.

## SECOND TEAM.

The second team won its fourth straight victory last Saturday by defeating the Olivet reserves 12 to 9. The game was an exciting one from the start and the first half ended 9 to 6 in favor of Olivet. Toward the last of the second half a decided brace was taken and another touchdown and goal was secured. Following is a list of the men who had a part in the Saturday game—Lindemann c, Stirling, Ashley, Frazier and McFarlane guard, Baldwin and Charlton tackles, Anderson, Clark and Hewson ends, Underhill and McGillivray quarter, Hatfield and Haller full back, Capt. Kurtz, Bignell and Bowditch half back.

On next Saturday the Flint mutes come here for a game with our second team. Our team, as already stated, has won four straight games

and is without doubt the strongest M. A. C. has ever had. They are playing just as high grade ball as is the first team, and the game on Saturday will be well worth seeing. In as much as the first team go to Hillsdale on that day, we can all find time to see the Flint game, and it is hoped that a goodly number will do so.

## APPRECIATION.

Nearly 300 enthusiastic students celebrated the foot ball victory over Alma by a bonfire, torch light procession and speeches last night. A huge fire in front of new Wells was kept lively by the use of barrels and old boards from the debris near the new engineering building. Shortly after 7 the crowd swung into line and headed by the band marched west past Abbot where a halt was made and cheers given for the team.

A wagon had been borrowed (?) for the occasion, into which the team (as many as could be found) were placed, and no trouble was experienced in finding some one to keep the wagon in a prominent place in the parade.

Nearly every house on faculty row was visited, as was also the Woman's Building, and the result was very satisfactory as when the column again halted before the fire their numbers had increased materially.

Mr. Glazier acted as master of ceremonies, and speeches were made by Dr. Blaisdell, Prof. Vedder Secretary Brown and others. In short the team was given to understand that M. A. C. was back of them, and appreciated especially this last hard earned victory. During the whole season only 9 points have been made against the team. Had you thought of this?

## NORMAL FARMERS' INSTITUTE.

The second annual Normal Farmers' Institute, for institute lecturers and others interested, is to be held at the Agricultural College, November 20 to 23rd. The addresses will be largely by members of the faculty of the College, upon recent discoveries in the sciences that relate to agriculture, and the progress in farming methods. Among the other speakers will be Chas. W. Garfield, President of the State Forestry Commission; H. S. Earle, State Highway Commissioner; W. H. French, Deputy Supt. of Public Instruction, Colon C. Lilli, Deputy Dairy and Food Commissioner, and several of the regular institute lecturers. The sessions will be open to all.

On Wednesday and Thursday afternoon there will be special Women's sessions, to which ladies are specially invited.

## NEW ADDITIONS TO THE LIBRARY.

Newnes' Library of Applied Arts, 6 vols.—1. Dutch Pottery. 2. English Embroidery. 3. English Table Glass. 4. French Pottery. 5. Old English Furniture. 6. Old Pewter.

Ostwald—Individuality and Immortality.

Pritchett—What is Religion?

Paulsen—German Universities.

Partridge—Technique of Sculpture.

Rothwell—Mineral Industry, 1905.

Rydberg—Flora of Colorado. (Ex. Sta. Bul. No. 100.)

Reed—Typhoid Fever in U. S. Camps During the War with Spain—2 vols.

Royce—The World and the Individual.

Roberts—The Farmstead; also, Farmers' Business Handbook.

Ryan—Electrical Machinery.

Rashdall—Universities of Europe in Middle Ages. 3 Vols.

Seignobo's Political History of Europe since 1814.

Thomas—Improvement of Rivers.

Thorndyke—Educational Psychology; also, Mental and Social Measurements.

Wilson—Making the Most of Ourselves.

Ward—Book of the Peach.

'04.

Harry G. Walker, former instructor in drawing, is with the J. I. Case Threshing Machine Co. of Racine, Wis., as assistant engineer.

Joel G. Palmer writes from Hecla, S. D., that land in that portion of the state is on the boom. Land that was worth \$1,600 per quarter three or four years ago is now selling at from \$3,000 to \$4,000. In some instances it has gone to \$5,000 to \$8,000, depending on location, improvements, and the ease with which the buyer is roped. Iowa and Illinois furnish most of the buyers. Mr. Palmer says: "They tell me that I will blow away with the first northwester, but I have stood the summer breezes and am now ready for whatever may come during the winter."

'05.

Mr. Lee Kingsley, with '05, has accepted a position as structural draftsman with J. B. C. Lockwood, Portland, Ore. He left Chicago two weeks ago, and is at work in Portland by this time.

'06.

James B. Wilkinson with '06 is now of the Whithead Kales Structural Iron Works in the drafting department. He has met a number of M. A. C. boys there and is rooming at the same place as Bell who is working for Field, Hinchman and Smith, architects and engineers.

'03.

S. B. Hartman in renewing his subscription to the Record states that he has a new boy (born Nov. 5) to help read it. Mr. H. graduated with '03 and Mrs. Hartman (Edith Sias) was a special student for some time. Mr. and Mrs. Hartman are happy in their farm home near Athens.

'03.

Glen Sevey, associate editor of *Orange Judd Co.*, writes: "I am still in love with my work. It is worth much to be a young man now-a-days, and to continually be among men who are *doing things*. My book on Bean Culture is now on the press, and will remember my alma mater with a copy. We have a fine showing of M. A. C. men in New England now, and the boys are all making good. President Butterfield and his father gave me a call a few days ago. It seemed too like old times when Prof. Smith 'blew in.' He'll never grow old, and will always be the same puny (?)

good natured and witty Prof. Smith." Mr. Sevey's address is 968 Worthington St., Springfield, Mass.

Many of the Japanese quince bushes on the campus infested with San Jose scale have been removed. All other ornamentals upon which the scale is found are being sprayed, the spray to be repeated in March. The College orchards will be sprayed for this scale in the spring. Unfortunately several orchards just outside the grounds are badly infested and will be a constant source of infection to college campus and orchards.

The third and last contest between the senior and freshmen teams was pulled off Saturday, the seniors winning by a score of 6 to 0. Although a hard fought contest, for the teams were certainly very evenly matched, the victory was clearly and cleanly earned by the seniors. On next Saturday will be played the class championship game between the seniors and sophomores, and in next week's RECORD will be given a list of the players who were fortunate enough to be in the finals.

No matter how far the weary may roam, they always long to return to the scenes of their birth. The "Kendall Bunch" returned last Friday evening, supposedly to teach the new one how to have a royal time, but in reality to sample some of Mother Kendall's pumpkin pie. Stories that had been carefully preserved with allspice since last June were sprung in all their richness.

Drs. Postiff and McVittie in surgical competition performed operations that would make Dr. Darling of the U. of M. look like a wilted mayflower. And not least of the startling revelations was the legerdemain (see Webster) actions of our worthy chaperon, the Y. M. C. A. secretary. The mirth was still at fever heat when the small hours told the Bunch that it was time to bid adieu, and with nine rafs for the true blue entertainers, they decided that the Kendalls had real Bright Ideas.

IL J. McNulty, with '07, visited College friends a day or two the past week. Mr. McNulty is with the Link-Belt Co., of Chicago, and after January 1, will be located in St. Louis, Mo. His present address is 3858 South State St., Chicago.

## A Few Notes from Interest and Education.

BY CHARLES DE GARMO,  
Of Cornell, 1902.

In education there should be no or little slavish drudgery.

Edison is often intensely interested in his work for hours and even days without interruption.

The demands of life make it desirable for the high school to offer more studies than any one student can possibly pursue. Election on some basis seems inevitable.

The attempt to have a uniform forced curriculum has manifold and obvious disadvantages.

The principles that should govern in the selection of studies: 1. Human sciences that pertain to man as man, embracing languages, literature, art, history.

2. Natural sciences, those that pertain to nature, physics, chemistry, astronomy, pure mathematics, biology, physical geography and zoology.



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## ABOUT THE CAMPUS.

Mid-term standings are out. Did you get all your A's.

C. C. Taylor entertained friends a day or two the past week.

Mr. Garcinava is receiving a visit from his three sisters and brothers.

Roswell Carr was ill at his home in Fowlerville for several days the past week.

Gilbert Doane, with '09, of Grand Rapids, spent Wednesday with college friends.

R. G. Crane '10 was confined to the hospital several days the past week with quinsy.

Remember the next number of our entertainment comes on Friday, Nov. 23, Ernest Wray Oneal.

Hon. A. P. Bliss is attending the meeting at Baton Rouge this week, as a representative of the board.

Three cement walks are being built leading from Wells hall to the main walk on the north.

Quite a number of students were kept busy Saturday raking leaves which have about all fallen now.

Instructor Foster with his senior dairy class visited the Omega Separator Company's plant yesterday.

Secretary Brown addressed the Women's Club yesterday afternoon on the subject, "Political Parties."

Mr. Bert Keith, of Berrien county, entered College yesterday, and will pursue a course in agriculture.

Work on the engineering building is progressing finely. If the good weather continues the first of

December will see considerable of the truss work for the roof in position.

Remember the Military on the evening of Nov. 28. A twelve o'clock party. Prices \$1.00 and \$1.50.

Word has been received of the illness of Frank Bilsborrow '09, who has typhoid fever in a Detroit hospital.

Harvey Hahn, a football star with the team in 1904, spent several days with college friends the past week and was here for the game on Monday.

Orla Ayers, '02, of the Bureau of Soils, Dept. of Agriculture, is spending a week at his home in Collegeville. From here he goes to Alabama.

Earl Hagadorn, '06, has recently accepted a position in the experiment station greenhouses at Lafayette, Ind.

Mr. Steele, a recent graduate of the Academic and Law departments of the University of Missouri, was a college visitor Friday.

During the recent meetings of the Endeavor convention the College was favored with visits from many of the delegates.

The roster of the 1906 class is nearly complete. Who can give us the address of "Baldy Strand," also that of E. W. Kenrick?

The district school at M. A. C. has been closed for a week or two on account of the illness of one of the teachers, Miss Bowen.

Kramer, Ingall, B. L. Clark, A. M. Marsh, Cantrick and Bullis are reported as among those who voted in their home towns.

Miss Ella Thomas and Miss Mary Cobb, both of Schoolcraft, were visitors at Secretary and Mrs. Brown's home the past week.

Prof. Fletcher will give a series of lectures on fruit growing at the State Agricultural College of Colo., during the week beginning Jan. 14.

Miss Lucy Watrous, of Caro, has been called home by her parents, and fears that she will not be free to return to the College this year.

Pres. Snyder, Dr. Beal and Prof. Taft are attending the meeting of the American Association of Agricultural Colleges and Experiment Stations, held at Baton Rouge, La., this week.

The grey effect on the campus these late days is not due to the military department, but to the blossoming of that annual plant called the freshman. Yes, the freshman caps have been sprung.

Six arc lamps have been placed in the mechanical building. Two are in the foundry, two in the blacksmith shop and two in the machine shop. A new motor has also been added to the equipment of the foundry.

The band will give a concert some time during the winter term. Several new instruments have recently been purchased and our band promises to be even better than ever. Plan to attend the concert, further notice of which will be given.

One of the Michigan alumni has presented the university with a plat of 26 acres to be used as a botanic garden and arboretum. Dr. Newcombe, who will have charge of this plat will visit several institutions where gardens are maintained, and has also asked for an interview with Dr. Beal on the subject.

The mechanical department has received a visit from "Pa Leonard," dated Edgewood, Ga. Mr. Leonard has written several articles for technical magazines and will probably continue in this work. His throat, he believes, is somewhat improved. Mr. L. sends a cotton ball to prove that he is in the cotton district.

The Phi Delt's gave their first 11 o'clock in the armory Saturday evening, and about 45 couples danced to the music furnished by Baker's orchestra. Prof. and Mrs. Kedzie and Dr. and Mrs. Blaisdell kindly acted as chaperones, and in spite of the disagreeable weather all report a good time.

The following men were shown the way into the Tau Beta Pi Wednesday: Gasser, Glazier, Piper, VanHalteren, Roe, Peck, Heinrich and Fuller. Several stunts were required of the boys among which was parading the campus wearing skirts made in the colors of the society and leading a couple of goats. Later they were made to cut a good sized piece of smoke stack in two with chisels. The final exams were given in the evening.

## BOOK-BUYING ASSOCIATION.

Statement of business done by the Association for 1905-'06 as audited by Cashier Kenney.

## MERCHANDISE STATEMENT.

Dr.		
Sept. 18, 1905, Inventory stock	.....	\$2,022.85
Sept. 1, 1906, Merchandise purchased	.....	13,331.18
" " " Total expenses for the year	.....	1,075.32
		\$16,429.35
Net gain for year	.....	270.39
		\$16,699.74

Cr.		
Sept. 1, 1906, Merchandise sold	.....	\$13,872.54
" " " Certificates of membership sold	.....	197.25
" " " Inventory Stock	.....	2,629.95
		\$16,699.74

## RECEIPTS.

Sept. 18, 1905, Cash on hand	.....	\$6.39
" " " " with Treasurer	.....	304.26
" 1, 1906, Merchandise sold	.....	13,872.54
" 1, " Certificates of membership	.....	197.25
" 1, " Order drawn and not entered	.....	16.36
" 1, " Treasurer's Overdraft	.....	13.76
		\$14,410.56

## DISBURSEMENTS.

Sept. 1, '06, Merchandise Purchased	.....	\$13,331.18
" 1, " Expense—		
Insurance	.....	37.33
Freight	.....	379.14
Salary	.....	578.63
Exchange	.....	12.93
Telegraph	.....	13.81
Elec. Lights	.....	2.62
Rent	.....	150.00
Sundry	.....	.86
		1,075.32
Sept. 1, 1906, Cash on hand	.....	4.00
Total	.....	\$14,410.56

## COMPARATIVE STATEMENT

## 1904-1905.

Merchandise sold	.....	\$14,377.20
Business Expense	.....	875.45
Inventory Sept., 1905	.....	2,022.85
Membership Tickets (540 sold)	.....	252.75

## 1905-1906.

Merchandise sold*	.....	\$13,872.54
Business Expense†	.....	1,075.32
Inventory Sept., 1906	.....	2,629.95
Membership Tickets (263 sold)	.....	197.25

\*The merchandise sold has decreased 3½ per cent. of the amount sold during the year previous. This decrease is mainly due to the decrease in the attendance.

†The expense for the past year has increased over 34 per cent. This increase is due to a large extent to additional items in rent and salary.

The following table shows the weather conditions for the month of October as taken from the Observers Report.

Date	Temperature max. min.	Am't Snow or Rainfall	Prevailing Wind Direction.	Character of Day
1 66 34	.....		N.E.	E.
2 75 38	.....		N.	E.
3 74 43	.....		E.	Heavy fog
4 70 60	.....	.07	S.E.	S.
5 68 54	.....	.07	S.W.	N.
6 54 42	.....	.16	N.W.S.W.	
7 55 40	.....	.03	N.W.	N.
8 74 40	.....	.14	S.E.	W.
9 56 25	.....	.03	S.W.	N.
10 40 28	.....		N.W.	N.
11 40 19	.....		N.W.	W.
12 56 24	.....		S.W.	W.
13 70 41	.....		S.	
14 74 52	.....		S.W.	S.
15 74 44	.....		S.E.	S.
16 75 50	.....		S.E.	E.
17 72 52	.....		S.E.	
18 64 52	.....	.23	S.E.	S.
19 62 50	.....		W.	
20 63 37	.....		E.	N.E.
21 62 41	.....		N.E.	
22 55 38	.....		S.E.	N.E.
23 54 40	.....		N.E.	E.
24 60 43	.....	.46	S.E.	S.
25 48 40	.....	.03	S.W.	
26 60 40	.....	.13	S.	W.
27 52 39	.....	.81	W.	N.W.
28 42 34	.....		N.W.	N.
29 40 28	.....	.2	S.	S.E.
30 34 28	.....		N.E.	
31 37 16	.....		N.	

## SIXTH ANNUAL BANQUET

Of the Grand Rapids M. A. C. Association will take place in the parlors of the Park Congregational church at 6:30 o'clock on Monday, Nov. 26, 1906. Dr. Griswold will act as toastmaster and Dr. Beal, Prof. Smith, Prof. Bogue and other speakers from the college are expected. Supper 50c.

The New York State College of Agriculture at Cornell University has received a gift of \$30,000 for the foundation of six agricultural scholarships. Tuition in the college is free to students from New York State, and the scholarships will be a substantial help toward living expenses. Director L. H. Bailey says that other gifts for the same purpose are expected. The scholarships will be awarded through competition.

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