

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 12.

LANSING, MICHIGAN, TUESDAY, JANUARY 15, 1907.

No. 17

WEEKLY CALENDAR.

Tuesday, Jan. 15.—Farmers' club postponed; Nature Study club in Botanical Bld.; Live Stock Breeders' meetings.

Wednesday.—Dairy club, second floor Dairy Bld.; Hort. club, second floor Hort. Bld.

Thursday.—Y. M. and Y. W. C. A. meetings; Debating club, No. 7, College hall.

Friday.—Oratorical contest, 8 p. m., Armory.

Saturday.—Basketball in the Armory in the afternoon, Jackson-Y. M. C. A.; Political Science club, 7:45, in reading room.

Sunday.—Chapel exercises at 9:00 a. m. Rev. Horace Wilson, 1st Presbyterian church, Lansing, speaker; union meeting of Y. M. and Y. W. C. A. in chapel at 7:00 p. m. "A trip through the South," Pres. Snyder, speaker.

Monday.—Chorus practice in chapel, 6:45.

BASKET BALL.

Fifty-one to twenty-four favor of M. A. C. tells the story of the basket ball game with Armour Institute on Saturday last. M. A. C. proved entirely too fast for the visitors who at times put up some very clever team work. M. A. C.'s work was consistent throughout and their plays gotten off rapidly and accurately. McKenna starred for the home team throwing seven baskets in the first and three in the second half. Vondett was a close second winning eighteen of the 51 points for his team. The aggressive work of "Reddy Dickson" also called forth favorable comment. He was succeeded by Hanish in the second half.

Johnson, center, for the visitors, was perhaps one of the best on the opposing team, his extreme height being a decided advantage to him in his position at center. Trinkhaus also proved a good basketball man as well as at football and track. In the second half Lanbach was succeeded by Uhlendorf. The visitors secured six baskets in the first and five in the last half, also one from a free throw in each. For M. A. C., in addition to points already mentioned, Krehl made six points from field and three on fouls while Dickson registered four. Mr. Brewer and Mr. Hayden acted as officials.

Inter-class basket ball will be played as follows:

Jan. 19. Juniors vs. Sophomores; Seniors vs. Freshmen.

Jan. 26. Juniors vs. Seniors; Freshmen vs. Sophomores.

Feb. 7. Juniors vs. Freshmen; Sub-Fresh. vs. Sophomores.

Feb. 9. Seniors vs. Sophomores; Sub-Fresh. vs. Freshmen.

Feb. 19. Finals.

The Jackson Y. M. C. A. team comes here on Saturday, Jan. 19, for a game which will be called early in the afternoon. Jackson furnishes a strong team this year and has already won from Ypsilanti Normal.

ORATORICAL CONTEST.

The nineteenth oratorical contest of M. A. C. will be held Friday evening, Jan. 18, in the armory. Seven societies will contest for honors, those for the young women having decided not to enter the race. There is a movement on foot to hold two state contests, one for women and one for men. This plan seems to be received with favor and will doubtless be adopted. Let all turn out on Friday evening and cheer the contestants.

Following is a list of those who will take part in the oratorical:

G. A. Brown, Aurorian Society, "The Growth of Democracy."

H. I. Glazier, Union Literary Society, "The Spirit of Discontent." Garfield Verran, Eclectic, "Self Duty."

A. H. Chase, Olympic, "The Duty of Civic Patriots."

S. B. Lilly, Hesperian, "Simon Bolivar."

W. E. Piper, Columbian, "For Our Country's Sake."

O. W. Stephenson, Eunomian, "The Spirit of Sacrifice."

Judges for the contest will be Judge F. D. M. Davis, Ionia; Hon. Arthur Tuttle, Lansing; Hon. Lawton Hemans, Mason; Judge J. B. Moore, state supreme court, Lansing; James V. Barry, state insurance commissioner. Any of the three judges present may act.

Y. M. C. A.

Judge Person spoke at the Union meeting Sunday evening, and all who heard him were pleased with his originality and earnestness. President Snyder will speak at the union meeting next Sunday evening on his recent visit in the south. Prof. Smith gave us a good talk on his visit to the east, and President Snyder will surely have something as interesting about the south. Now if some kind person will volunteer to tell us about the west and north our knowledge of our country will be complete.

The mission class was organized Sunday; something like thirty have enrolled.

E. I. Wilcox will lead next Thursday evening's meeting. Watch for announcements of the coming Y. W. and Y. M. C. A. reception.

HORT. CLUB.

Pres. Snyder addressed the Horticultural club last Wednesday evening. His subject was a review of J. J. Hill's address on "The Future of American Agriculture." Points brought out were, J. J. Hill started in life as a poor boy, but worked for himself up to be president of a large system of railroads. His conception of a nation is as a trustee for posterity. The population he says will be 125,000,000 in 20 years and 200,000,000 in 50 years. The great question is what to do with these people? Where will they live? What will they do?

The arable public lands have almost disappeared. The forests are nearly gone, and the iron and coal will be nearly used up in 50 years, so we must depend on the soil. What causes uneasiness is that the area under cultivation is decreasing in the East and South, value is decreasing in New England also production is decreasing in United States. People should study our material outlook as well as the political and moral outlook. We call the stupid man the farmer, but the farmer is the only man, who is master of himself and his destiny. The farmer must restore and maintain the fertility of the soil. The people must be urged from the crowded cities into the country. Science and art must be brought to help in fostering American Agriculture.

Earth offers work an abundant reward.

ROUND-UP INSTITUTE.

The Round-Up Institute of the season will be held at Ionia Feb. 26-March 1. Among the speakers to be present are Prof. P. G. Holden, of Iowa, who will be present on February 28 and give two addresses on Improvement and the Culture of Corn. Prof. W. J. Fraser, professor of dairy husbandry in Illinois on February 27 will speak in the forenoon on the breeding up of dairy herd and in the afternoon on the care of dairy cows. Mr. J. H. Hale, the peach and orchard king of Conn., will speak the 26th on "Handling the apple orchard" and "The San Jose Scale" and its treatment. Mrs. Caroline B. Crane, of Kalamazoo, will give an address on the improvement idea in country life.

The sessions of the Institute will be held in the new Carion store which will be furnished free with light and heat by Mr. Carion himself. The building has a seating capacity of from 1500 to 2000 and is in every way well adapted to the purpose.

The corn exhibit will be shown in a large room on the second floor and there will be ample space for exhibiting the farm implements offered as prizes in a large room directly across the street.

The people of Ionia are arranging to provide for 500 visitors and hotels and restaurants can easily supply meals to 1000 persons. The hotels will offer reduced rates, and the railroads the usual convention rates.

Arrangements will be made for visiting the state institution in Ionia and opportunity will be offered to visit some of the large stock farms near the city.

"The Press-American (Owosso) is in receipt of a handsome twelve-page calendar from the Michigan Agricultural College, which is indeed a work of art, being finely gotten up, and printed in several rich and harmonious colors, the pages being fastened together with a white silk cord."

ALUMNI.

'76.

The class of '76 is perhaps the only one which has never lost a member by death. They are planning to all be present at the time of the semi-centennial and will have a group photograph taken on the campus. R. A. Clark of Pittsburgh has had letters from all members of the class except two and all have promised to attend the exercises.

'90

From E. J. Rowley of above class who is located at Edmonton, Alberta, Can.:

"We are 312 miles north of the 49th parallel and have had snow since November 1st. It is now at least 1 1/2 feet deep. Early in December we had a very cold period of two weeks; the mercury running from 20° to 40° below zero. Teaming and other work go on but one has to put on a whole wardrobe of clothes to keep warm. Lately the weather has been mild and fine with thermometer up as high as 42° above. Sleighing fine; land prices going up, also town lots. As a loyal Michigan man I advise one to keep out of this country unless for speculation. Michigan is best for homes."

With '92.

Extracts from a letter to Pres. Snyder by Walter J. Graves, 33 Campau Bldg., Detroit: "As a former student, back in Pres. Willit's administration, I am interested in the affairs of the college and would like to have my name added to the mailing list for announcements."

"I would make grateful acknowledgment of my debt to the college which I would be proud to claim as my alma mater. I am a member of the Detroit M. A. C. association."

"I graduated as a civil engineer from Cornell University in 1898. Prior to that time I served four years in the Toledo office of the L. S. and M. S. Ry. Since graduation have been connected with the U. S. Lake Survey until today (Jan. 12), when I am transferred to government engineering work at Sault St. Marie as first assistant in the design and construction of the proposed new lock."

Mr. Graves offers congratulations on the successful fifty-year period just closing.

'03.

Garfield W. Steves with the class of '03, and Miss Ethel M. Drvsdale, were united in marriage at Church of the Epiphany, Lexington Ave. and Thirty-fifth St., New York, on Wednesday evening, January 2.

'04.

Paul N. Flint and Miss Bernice F. Rogers were married at the bride's home, Somerset, Mich., on Wednesday, Dec. 26. Mr. and Mrs. Flint are at home to their friends at Experiment, Ga.

THE M. A. C. RECORD.

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

B. A. FAUNCE, MANAGING EDITOR

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B. B. PRATT, '09

H. L. CANTRICK, '09

R. J. ALVAREZ, sp

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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 sub-
scribe.

TUESDAY, JAN. 15, 1907.

SPECIAL COURSES.

Following are the names and ad-
dresses of those entering for one of
our short winter courses:

FRUIT.

Boss, Alward M., Sault Ste. Marie.
Dumpke, John P., Manitowoc, Wis.
Hoffman, Max, St. Joseph.
Pilkinton, Frank A., Portland.
Wiard, Mead E., Ypsilanti.

CREAMERY.

Anderson, W. H., Carsonville.
Barnes, Volkert, Newaygo.
Bates, J., Hiram, Cadmus.
Best, Wellington, Centerville.
Bonine, Chas. E., Penn.
Carnes, Perry S., Webberville.
Clack, Harry W. F., Dorr.
Diehm, Jacob J., Remus.
Dunn, Thomas E., Port Huron.
Durfee, Wallace, Sylvania, Ohio.
Frick, Jesse R., Kneeland.
Goodsell, Bert N., Hudson.
Holloway, Milton, Wakely.
Hornstra, Frank, Allendale.
Kandt, W. A., Jr., Utica.
Kerr, Lee R., Melvin.
Kinch, Wallace W., Port Hope.
Lee, Freeman A., Climax.
Looman, Gerrit H., Holland.
Martin, Peter J., Wooster.
Martin, Robert J., Wooster.
McCartney, John, Auburn.
Miesel, Edward C., Saginaw.
Moldenhauer, Clarence J., Wacousta.
Olney, Verne, Mendon.
Plotts, Benj. F., Otsego.
Riker, Perl, Quincy.
Riley, Roy M., Caro.
Rowe, Charlie, LeRoy.
Sams, John W., Tyre.
Schmid, John C., Ann Arbor.
Shore, Vern, Climax.
Smith, Frank B., Rushton.
Stremmer, Chris., Borculo.
Thompson, Archie, Brimley.
Thomson, Archie, Carsonville.
Timmer, John, Fremont.
Vasold, Oscar, Freeland.
Whitney, Roy, Bentley.
Winslow, Frank A., Ann Arbor.
Wilson, Caleb J., Bauer.

GENERAL AGRICULTURAL, FIRST YEAR.

Austin, Harry F., Norvell.
Ballagh, Leslie A., Elkton.
Barnum, Harold H., Coats Grove.
Bickel, J. L. Louis, Vassar.
Blais, Max A., Saline.
Bos, John, Hudsonville.
Bosworth, Walter W., Redford.
Braun, Athnel J., Ann Arbor.
Brooks, Roger, Lennon.
Brown, Orlie A., Hartford.

Buehler, Alfred H., Grand Ledge.
Burton, Leo, Hastings.
Carmichael, Jas. A., Wayne.
Carr, Robin, Fowlerville.
Christensen, Peter, Grant.
Collins, Guy, Eau Claire.
Crittenden, Earle D., Mason.
Cunningham, Arnold L., Lansing.
Curtis, Gayle, Onsted.
Disbro, Ted E., Montgomery.
Douglas, Ned E., Pittsford.
Emerson, Hugh, Holly.
Engelgaer, Peter, St. Clair.
Fitzpatrick, Maurice, Emmet.
Goldie, Julia R., Twining.
Goodwin, Orin S., Colon.
Hamer, K. Burr, Marion.
Harrison, George, Clayton.
Heinmiller, John L., Yale.
Henson, Fred T., Richland.
Hill, Irving D., Owosso.
Horton, K. Charles, Mungers.
Hunsberger, Lloyd, Caledonia.
Hunsberger, Glenn, Caledonia.
Hunt, Frank N., Verona Mills.
Huntington, Burt, Marlette.
Kehoe, Louis, Tawas City.
Kint, Carl C., Ray.
Kipp, Arthur M., Jackson.
Kneibehler, Fred W. White Pigeon.
Knopp, Carl H., Blissfield.
Knott, Adolph, Niles.
Lamoreaux, Marcus, Okemos.
Langdon, Daniel, Allenville.
Lathrop, E. H., Morgan.
Liskow, Carl, Saginaw.
Lucas, John, Lucas.
Ludovici, E. Ernest, Freeland.
McCormick, Archie, Evart.
McCurdy, Clarence C., Hartshorn,
Penna.
McMillan, Thomas, Robinson.
McMullen, Parke H., Grand Rapids.
Magunsen, Jas. A., Three Oaks.
Miller, John, Birmingham.
Muxlow, Fred, Brown City.
Osborn, Muir F., Vicksburg.
Outwater, E. Olney, Ann Arbor.
Owen, Claude, Ortonville.
Parham, Ray B., Bronson.
Parke, Ira S., St. Clair.
Porritt, Lee S., Clarkston.
Portner, Henry, Maple City.
Ramsey, Burley A., Port Hope.
Reed, Luther, Clio.
Robey, Orsel E., Brown City.
Rueks, Ernest W., Caledonia.
Ruess, Franklin A., Bennington.
Sands, Leigh R., Milford.
Schanck, Gail F., Dryden.
Schwab, John G., Bay City.
Sommer, Frank H., Eau Claire.
Sparks, Henry, Saginaw.
Spitler, Wesley, New Lathrop.
Stevenson, Chas. W., Port Huron.
Strouts, Henry P., Benton Harbor.
Tomlinson, W. Earle, Mr. Clemens.
Vasold, Theodore, Freeland.
Vollmer, Howard, Spring Lake.
Warner, Clifton A., Old Mission.
Warner, Chas. Jr., Almont.
Whitelem, Chas. E., Verona Mills.
Willard, Perley W., Kinney.
Wolfe, E. Clare, Ortonville.
Woodard, Ralph C., Elsie.
Woodbridge, John Jr., Lansing.
Wooster, Floyd J., Rushton.
Wright, Albert D., Osseo.
Zoeteman, Anthonie.

GENERAL AGR. 2ND YEAR.

Ampel, William M., Paw Paw.
Chapin, Warren H., Eden.
Campbell, George A., Lansing.
Carpenter, Ray E., Napoleon.
Cherry, Jas., Toledo, Ohio.
Coats, George C., Coats Grove.
Crossman, Wilmer, Gregory.
Frantz, Harvey G., Hartman.
Freytag, Carl, W., Isabella.
Gitchel, Elvin H., Hudsonville.
Grohe, Clarence E., Nashville.
Hart, Horace L., Vassar.
Hill, R. Carroll Hill, Coldwater.
King, Roy B., Ypsilanti.
Lawcock, Howard, Lennon.

McKenzie, D. Burt, Stockbridge.
Munn, Mancel E., Vicksburg.
Newberry, John W., Spruce.
Newman, Jessie M., Holly.
Nolan, Frederick, Emmett.
Ordway, Edison M., Millington.
Pepper, Ralph W., Davisburg.
Parren, John C., Three Oaks.
Potter, Howard E., Davidson.
Predmore, Wm. C., Cass City.
Schelling, Henri, Dowagiac.
Snook, Arthur G., Rochester.
Spangler, Roy C., Almont.
Toney, Ross W., Niles.
Townsend, Owen, Coats Grove.
Walker, Chas. A., Hunter's Creek.

COUNTY FARMERS' INSTI- TUTES.

To be held January 16 to 31.
Midland county, Midland, Jan. 16.
17. Benzie county, Benzonia, Jan.
17-18. Saginaw county, Bridge-
port, Jan. 18-19. Shiawassee coun-
ty, Vernon, Jan. 18-19. Leelanau
county, Suttons Bay, Jan. 18-19.
Oceana county, Shelby, Jan. 18-19.
Huron county, Elkton, Jan. 21-22.
Antrim county, Milton Centre, Jan.
21-22. Ottawa county, Coopersville,
Jan. 21-22. Muskegon county, Hol-
ton, Jan. 21-22. Iuscola county,
Vassar, Jan. 22-23. Clinton county,
Ovid, Jan. 22-23. Kent county,
Grand Rapids, Jan. 22-23. Ne-
waygo county, Fremont, Jan. 22-23.
Sanilac county, Croswell, Jan. 23-
24. Grand Traverse county, Tra-
verse City, Jan. 23-24. Eaton
county, Charlotte, Jan. 23-24. Alle-
gan county, Allegan, Jan. 23-24.
Kalamazoo county, Oshtemo, Jan.
23-24. Mason county, Ludington,
Jan. 25; Scottville, Jan. 24. Kal-
kaska county, Kalkaska, Jan. 25-26.
Montcalm county, Carson City, Jan.
24-25. Macomb county, Washing-
ton, Jan. 24-25. Oakland county,
Pontiac, Jan. 24-26. Van Buren
county, Hartford, Jan. 25-26. Cass
county, Cassopolis, Jan. 25-26.
Mecosta county, Big Rapids, Jan.
25-26. Calhoun county, Marshall,
Jan. 28-29. Charlevoix county,
Boyne City, Jan. 28-29. Wexford
county, Cadillac, Jan. 30-31. Jack-
son county, Brooklyn, Jan. 30-31.
Genesee county, Goodrich, Jan. 31,
Feb. 1.

MICHIGAN ONE-DAY INSTITUTES

From January 14 to February 1,
Genesee county: Davison, Jan. 15;
Clio, Jan. 16. Iosco Co.: Alabas-
ter, Jan. 17; Whittemore, Jan. 18.
Oakland county: Ortonville, Jan.
14; Orion, Jan. 15; Royal Oak,
Jan. 16; Walled Lake, Jan. 17;
Highland, Jan. 18; Davisburg, Jan.
19. Allegan county: Fennville, Jan.
14; Douglas, Jan. 15-16; Sauga-
tuck, Jan. 16, Eve; Hamilton, Jan.
17. Branch county: Quincy, Jan.
15; Algansee, Jan. 16; Kinderhook,
Jan. 17; Gilead, Jan. 18; Bronson,
Jan. 19. Tuscola county: Cass
City, Jan. 15-16; Caro, Jan. 17-18.
Saginaw county: Freeland, Jan. 14;
Hemlock, Jan. 15; Brant Centre,
Jan. 16; Chesaning, Jan. 17.
Lenawee county: Ogden, Jan. 14;
Madison, Jan. 15; Medina, Jan. 16;
Hudson, Jan. 17; Onsted, Jan. 18;
Tipton, Jan. 19. Muskegon county:
Norton township, Jan. 17. St.
Clair county: Lynn, Jan. 18;
Lamb, Jan. 19; Columbus, Jan.
21; Adair, Jan. 22; Yeddo, Jan. 23.
Ionia county: Muir, Jan. 29;
Smyrna, Jan. 30; Saranac, Jan. 31.
VanBuren county: Lawton, Jan.
29; Decatur, Jan. 30; Keeler, Jan.
31; Bangor, Feb.; Gobleville, Feb.

2. Lapeer county: Hadley, Jan.
30-31; Almont, Feb. 4-5; Lapeer,
Feb. 6; North Branch, Feb. 7;
Dryden, Feb. 8.

'97.

L. S. Munson has recently ac-
cepted a position with a firm of dry
paint manufacturers in Cincinnati
at an initial salary of \$2,500 with
the understanding that he is to get
\$3,000 before the end of the first
year. He expects to begin his work
about the 20th of January. Mr.
Munson's present position is chemist
—chief Contracts Laboratory —
Bureau of Chemistry, Dept. of
Agriculture, Washington.

'02.

On January 1st occurred the mar-
riage of Ernest I. Dail and Miss
Bernice Black, at Holt, Mich. Mr.
Dail graduated with '02, and the
bride was a student at M. A. C.
with '06.

With '05.

R. A. Clark, Jr., son of the presi-
dent of the alumni association, is
now in the Missouri Pacific offices
at Los Angeles, Cal.

'05.

Inclosed find four bits, my sub-
scription for the RECORD another
year. I did not realize how much
I loved to read our little college
paper till the last two weeks, when
it did not come. I knew it was va-
cation time and it would not be
here, but I could not help looking
for it at the accustomed time. I
spent a part of my vacation pleasantly
and profitably in seeing some of
Texas, but Texas is too large to see
much of in a week. With my best
wishes to all, I am, very truly yours,
J. L. THOMAS.

'09.

The following interesting letter
is from P. H. Elwood from whom
we hope to hear again as we are sure
our New York boys will be glad to
hear from Cornell. Mr. Elwood's
address is 413 No. Toga St., Ithaca:

"I noticed an item in this week's
RECORD stating that an honor sys-
tem was about to be installed in the
C. E. college here. As a matter of
fact the honor system has been
adopted by that college for several
weeks and the College of Law and
the College of Agriculture have
drawn up articles which are now be-
ing submitted to the students of the
respective colleges for signature.

"Tonight we have a joint concert
between the Cornell and Penn.
musical clubs. The visitors are to
be entertained at the 'Dutch' kitchen
after the concert. We had a very
successful trip through the middle
west. Had a fine audience at De-
troit. While the musical clubs were
in Detroit I met Walter Fenton '09
M. A. C., my old roommate, and
enjoyed talking about old times and
old friends at the College. Mr.
Fenton now has a very good posi-
tion with the M. C. R. in their
main office in Detroit."

Mr. J. Thompson died at the home
of his daughter, Mrs. M. Newlon on
College Heights Sunday evening,
Jan. 13, at 10 o'clock. Mr. Thomp-
son was in his eighty-fourth year
and was a pioneer of Lansing. He
helped build the old corduroy road
from Lansing to the College. He
was the grandfather of Miss Lulu
Newlon, sp. Funeral will be held
from the house Wednesday morn-
ing.

\$ 1.00

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FOR THE COLLEGE MAN
a safeguard from damp wet feet.

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Hollister Building



ABOUT THE CAMPUS.

And now Dayharsh would like a job selling the 1908 calendars.

H. H. Yarrington called at the College on Friday of last week.

Matie Hendee, '08, has returned to continue her work this winter.

The annual freshmen-sophomore indoor meet will be held on February 9.

The recent cold weather has again brought the skaters very much in evidence.

Mr. H. N. Loud, a lumberman of Au Sable, called at the forestry department recently.

A very pretty fall of snow was registered Friday night. First good snow of the season.

Previous to the game on Saturday the second College team won from the freshmen by a good sized score.

T. H. McHatton '07 spent part of his vacation with Jack Shaw at Marquette and incidentally had the measles.

Dean Gilchrist left Friday for her work in Ann Arbor, and Miss Jones has again assumed charge of the girls' dormitory.

Mr. Perry Mayo of Calhoun Co. called at the college Thursday of last week. Mr. Mayo is father of Ned Mayo, class of '88.

P. M. Grover with '07 has completed his work as chemist for the Wallaceburg sugar factory and returns this week for special work related to the beet sugar industry.

G. A. Prescott '09 was on the campus visiting friends a short time Wednesday of last week.

Pres. Snyder spoke on "Internal Improvements" before the Political Science club Saturday evening.

The meeting of the Farmers' Club for this evening has been postponed on account of the Breeders' meeting being held here.

Dr. Waterman has been appointed secretary of the alumni association in place of Prof. Holdsworth who is in Florida for the winter.

For junior hop flowers see W. W. Hitchcock and Brown, room 134 Abbot, agents for the Freyling and Mendals of Grand Rapids.

The new crosswalk from Oakwood to the hospital grounds seems to be very much appreciated by those living on the road north of the store building.

The big indoor meet will be held Feb. 16. This will include not only the finals in wrestling, but track, tumbling and exhibitions on parallel and horizontal bars.

New cases have been added to the botanical department laboratory for the purpose of filing in convenient order the charts and drawings belonging to that department.

The band concert will be held Friday evening, February 8th. The band has been working steadily on some of the standard compositions, and this affair promises to be one of the events of the winter term.

The mechanical shops have all been rewired and additional lights furnished. The foundry is now supplied with twenty-eight, where there were heretofore but fifteen.

The first half of the term in athletics will be spent in getting off the class basket ball schedule and the second half will be given up to indoor track hand ball and indoor base ball.

The State Academy of Science meets in Ann Arbor at the same time as the Schoolmasters' Club. The quarterly bulletin containing announcement will be sent out in a few days.

About 45 couple attended the military on Friday night, and a very enjoyable time is reported. Baker's Orchestra furnished excellent music. Palms and potted plants were the decorations.

The sixteenth annual meeting of the Michigan Improved Live Stock Breeders Association is being held at M. A. C. today and tomorrow. Prof. H. M. Mumford, now of Ill., is among the speakers.

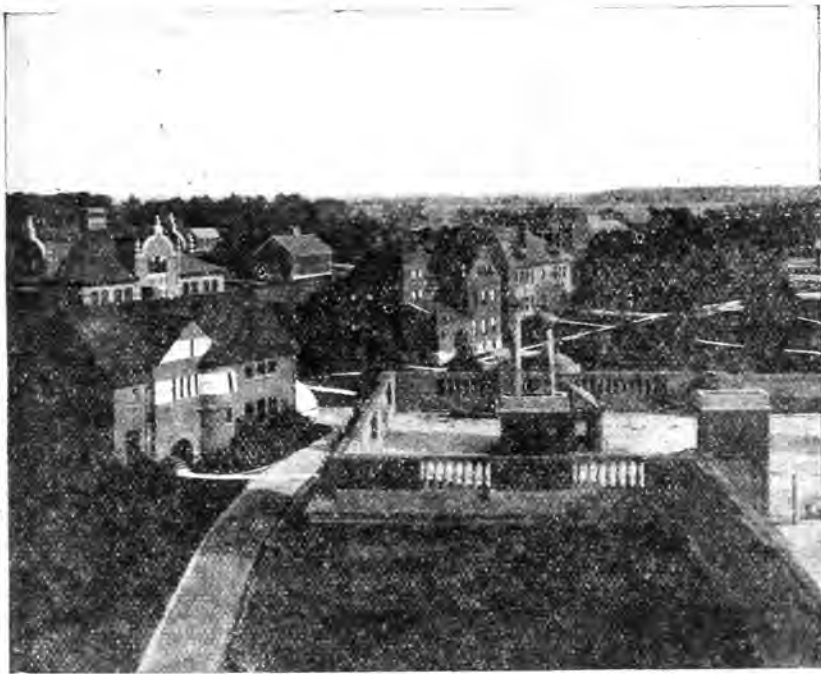
It is interesting to note the preparation in the way of school work of our short course men. Of the whole number nearly 60 have had high school training, 12 of whom completed the course (12 grades) in same. Seven had spent some time in other colleges, four in business colleges, and 40 had completed eight grades in their respective schools. All are taking hold of the work with a vim and surely will gain much by their stay at M. A. C.

The new calendars seem to meet the approval of nearly all. Each student was given one and one also mailed to the parents. Several hundred were placed on sale at the book store and these are being sold out rapidly.

Quite a number of M. A. C. students take part in the cantata, "The Vision of Hensel," given at the Pilgrim church tomorrow evening. There is to be a chorus of 75 voices, the songs to consist of the old time war songs and others. A colored quartet will also be one of the features. The work is under the direction of Mrs. Chase, and practice has continued for over two months. Admission 15 and 25 cents.

Enclosed you will find 50 cents for which please renew my subscription to the RECORD. I am looking forward to being back to Commencement in the spring. As you know I am with the Helena Power Transmission Co. I worked for a month on construction work and am now operating in one of their substations. Hoping to see some items in the RECORD concerning the Old Boys. W. E. MORGAN, 119 W. Broadway, Butte, Mont.

Gymnasium work has opened up. One class, open to everyone, meets on Mondays and Thursdays from four to five and has an enrollment of 75. There are also about 75 in the class organized for short-course men which meets Tuesdays and Fridays. There are also classes in wrestling, tumbling, apparatus work, and indoor track, besides the squads in basket ball.



A BIRDSEYE VIEW FROM TOP OF WOMEN'S BUILDING.

A Few Notes from Interest and Education.

BY CHARLES DE GARMO,
Of Cornell, 1902.

Economic sciences, those that show the mind of man in intimate interaction with the powers of nature, such as economics, technology, commercial knowledge.

We have here nine to twelve distinct departments of knowledge. Each student should have something of each. Each embodies a distinct method, a definite mental movement, not found adequately represented in any other branch. The first principle proposed for the selection of a normal boy's course of study is that he should take at least something from each chief department. The second principle is that the boy should be allowed and advised to elect what studies he will take within each department. [This tends to interest the student.] The studies within departments are to be made elective.

Our greatest lack, particularly in courses in which the humanities prevail, is the meagerness of opportunity for rigorous outgoing motor expression. This can be found most effectively in laboratory practice and in manual training.

The Chicago *Drovers' Journal*, Jan. 2, mentions the fact that Chicago packers have contributed much to educational funds as well as in a practical way. In speaking of the work of one of the men who is carrying this education to the farmers, the *Journal* says: "One of these is Prof. J. J. Ferguson, a man of finished education in animal husbandry as well as the sciences. During the last few years Professor Ferguson's time has been given up by his employers chiefly to the work of appearing before farmers' and breeders' meetings and at various colleges and universities upon invitation from these educational institutions, giving lectures and addresses on topics of special interest in his line of work." Mr. Ferguson was for some time connected with our agricultural dept.

R. A. Clark, '76, of Pittsburg, visited M. A. C. one day the past week. Mr. Clark is president of the Alumni Association and while here he conferred with the president and alumni committee with reference to arrangements for the reunion to be held at the time of the semi-centennial in May.

Following table shows weather conditions at M. A. C. for the month of December.

Date	Temperature max. min.	Am't Snow or Rainfall	Prevailing Wind Direction. 7 a.m. 7 p.m.	Character of Day
1	14 27	---	N.W.	Cloudy
2	25 9	---	S.W.	"
3	18 18	---	N.	"
4	15 21	---	S.	"
5	25 11	.32	E.	"
6	21 18	.04	W.	"
7	12 10	.01	N.W.	"
8	13 20	---	S.E.	"
9	21 11	---	S.E.	"
10	26 7	.29	N.	"
11	19 13	---	S.	Clear
12	25 17	---	S.W.	"
13	32 8	.10	E.	Cloudy
14	34 14	.06	S.E.	"
15	24 20	.03	W.	"
16	24 10	---	W.	Clear
17	20 10	---	N.	Cloudy
18	9 17	---	E.	Clear
19	13 16	---	S.E.	"
20	15 15	---	S.E.	Cloudy
21	22 8	.25	W.	"
22	18 11	---	N.	"
23	6 17	---	N.	Clear
24	3 18	---	N.	"
25	5 20	---	N.W.	"
26	10 21	---	S.W.	Cloudy
27	29 3	---	S.W.	"
28	28 4	---	S.	"
29	28 5	---	S.	"
30	30 10	.50	E.	"
31	33 15	.25	W.	"

The following new students have entered for work in the regular courses: Walter Bernstein, '11 a, is from Philadelphia, and during the fall was a student at the Penn. State College; Harold T. Coughlan enters the '11 e class from the Detroit Eastern high school; Robert Gibson enters for special work along agricultural lines from the Northville high school; Jacob L. Graybill of Palmyra, Pa., enters the four-year agricultural course, coming to us from Penn. state college where he attended during the fall term; Charles S. Harmon, special, is from Chicago and he was for a time a student in Cornell University; Ernest Vaughn enters from the Detroit University school and will take work in civil engineering.

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