

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 9.

LANSING, MICHIGAN, TUESDAY, OCT. 6, 1903.

No. 3

RECORD EDITORS.

All editors of the RECORD will please meet in the President's office on Saturday morning at 8 o'clock.

DEBATING CLUB.

The Debating Club had its first meeting for the term on Thursday evening, October 1. In the absence of the president, the meeting was called to order by the vice president, Mr. Geo. C. Morbeck, and the following officers were elected: Pres., Geo. C. Morbeck; Vice Pres., Howard S. Severance; Sec., Clarence D. Sterling; Program Committee, A. J. Anderson, H. C. Owen, and G. Masselink; Critic, W. O. Hedrick; Editor, L. W. Sawtelle.

A new roll of members is to be made out, therefore all old members who care to take part in this work, should sign the constitution at once. The club also extends a cordial invitation to all new men who are interested in its work to attend the first regular debate next Thursday evening at 7 o'clock.

Arrangements have been made for another debate with Ypsilanti next spring. Those desiring to try for the team, which is to meet the teachers, should give their names to Mr. C. D. Sterling at once. No names will be received after Oct. 8.

Y. M. C. A.

The Association holds a mid-week meeting from 6:20 to 7:00 every Thursday evening in the Y. M. C. A. rooms. Every college man is invited to these meetings. Last Thursday evening the question for discussion was, "Whose servant am I?"

Chapel was conducted Sunday morning by Rev. Smith, pastor of the Pilgrim Congregational church of Lansing. His theme was, "Why Should I Study The Bible?" Bible study makes Bible living," says Rev. Smith. Can we prove it by our lives?

The thought for the Sunday evening service was a continuation of the thought given in the morning at chapel. Attorney C. C. Wood of Lansing gave the address. He stated that the solution of the great social and national problems, which confront our nation today, can be found in the "Book of Books." Besides the many other reasons why the college man should study this book, his citizenship should be enough to cause him to take up the work. Several men signed for Bible Classes.

Next Sunday evening Rev. Pound will lead the union meeting of the Y. M. and Y. W. C. A. The quartette will sing.

ATHLETICS.

The football team accompanied by Coach Brewer and Manager Haftenkamp left early Saturday morning for South Bend, Ind., to play Notre Dame. M. A. C. lined

up as follows: Decker c, Peck r. g., Kratz r. t., Ashley r. e., Case l. g., Shaw and Bell l. t., Millar l. e., Small q. b., McKenna r. h., Hahn l. h., Doty and Grover f. b., Tanner sub line and Benton sub end and quarter.

M. A. C. was outweighed 25 pounds to the man, but played a very plucky game. Notre Dame made the first touchdown by long runs around right end. M. A. C. secured the ball on downs, but could not advance it beyond the 20-yard line. The ball changed sides frequently for the remainder of the half and the playing was about even.

In the second half Notre Dame again scored during the first few minutes of play through long gains around right end by Shaunnessey. After this the ball changed hands frequently but was in possession of M. A. C. most of the time. Game ended 12 to 0 in favor of Notre Dame. Millen played a star game on defensive. The line did excellent work, hardly any gains being made through it. Not a man on the team played a quitting game. Every one worked hard against great odds. Notre Dame has an old heavy team and has practiced four weeks. M. A. C. has a light team, inexperienced, and with but two weeks of practice. Consequently we have reasons for feeling proud at the record made in the first game. Coach Brewer says the game was very satisfactory except for the poor tackling on the part of M. A. C. This will be looked after particularly and the team will be greatly improved in a few weeks. Last year the game with Notre Dame ended 32 to 0. The boys are all feeling well and had a very enjoyable trip. Notre Dame treated them very courteously.

The Lansing high school was disappointed in Howell and consequently came to M. A. C. for eleven men. These were eventually selected and went to the race track for a game. It proved to be quite a contest. The Lansing high school has a strong team but the aggregation from M. A. C. held them for a single touch down.

The freshmen-sophomore baseball game came off at 3 o'clock Saturday. Numerous changes were made in the freshmen line-up owing to the fact that no one knew who were the best players. They gave the wily sophomores a game for their life, however, and the game ended 9 to 9.

LIST OF STUDENTS.

The following is an alphabetical list of students enrolled up to Oct. 5th. The small letter following the name indicates the course pursued. In a few instances changes have been made but these have not been recorded owing to lack of specific information.

Alden, John H, m, Saginaw
Alden, May C, w, Grand Rapids
Alexander, Cremora, w, Manistowoc
Allen, Jas E, m, Coldwater
Amos, W F, m, Owosso
Amot, H D, m, Lexington
Andrews, Helen, w, Williamston
Ashley, Helen M, w, Davison
Ashley, Amos, a, Lansing

Auspach, Carrie, w, Detroit
Austin, Royal C, m, Mulliken
Baker, E D, a, Josephine, Montana
Baker, Julius L, a, Lansing
Balch, G E, a, Scottville
Ball, W E, m, Eckford
Ball, La Vern, w, Eckford
Barley, A T, m, Detroit
Barlow, Florence M, w, Greenville
Bartlett, Edwin S, a, Tekonsha
Bartram, Edward, m, Paw Paw
Beard, Hazle A, w, Morrice
Beckwith, H R, a, Howell
Belknap, L H, m, Whittemore
Bellaire, Clariss, w, Cadillac
Benham, Rachel M, w, Milford
Benton, Carl, a, Charlotte
Bidwell, W H, m, Allegan
Blickenstaff, G, a, Brethren
Boone, Chas, a, Camden
Bos, Jennie, w, Forest Grove
Boulter, M H, a, South Haven
Brandstetter, Nina J, w, Prairieville
Brewster, A W, m, Prattville
Brown, W P, m, Hartford
Brown, D L, a, Lansing
Brown, R C, m, Manistique
Brucker, K B, a, Lansing
Brucker, F F, m, Shelby, Ohio
Buck, Ross, m, Coopersville
Burley, Geo A, m, Harbor Beach
Burnett, H L, a, Charlevoix
Burrell, L L, a, South Haven
Bushnell, Clyde, m, Bronson
Bye, Levi B, m, Wallin
Cade, Claude M, m, Capac
Calkins, Vieve L, w, Wayland
Campbell, Birum G, m, Albion
Canfield, Russell S, m, Lansing
Caid, E F, a, Bronson
Carpenter, C B, a, Orient, Ohio
Carpenter, A J, m, Marcellus
Carrier, Ruth A, w, Grand Rapids
Cary, H F, m, Bad Axe
Case, E A, a, Homestead
Case, A A, m, Marengo
Casterline, Ione, w, St Johns
Cavanaugh, J A, a, Galt
Chapin, Ethel M, w, Eden
Chapman, W C, a, Detroit
Chapman, N C, m, Lansing
Chase, A H, a, M A C
Chittenden, M J, m, Ashley
Christie, Margaret A, w, Saginaw
Clise, B B, a, Bath
Cochrane, W, m, Pontiac
Coffin, L C, a, Medina
Cokson, G V, a, Grand Rapids
Colby, Z E, m, Vine
Cooney, M T, a, Gaines
Corey, R W, m, Bellaire
Corey, J M, m, Bellaire
Corle, Peter, a, M A C
Cornell, Bessie M, w, Lansing
Courtwright, H W, m, Bay City
Cox, C C, m, Grand Rapids
Crandall, W, m, Imlay City
Cripio, Jay L, m, Grand Rapids
Cronin, W P, m, Kalkaska
Crowell, Ruth, w, Iron Mountain
Dale, C H, a, Springport
Delzell, Ruth E, w, Bay City
DeWitt, Jas O, m, Lansing
Dibbert, La Vern, m, Coldwater
Dillon, Nina R, w, Hudson
Dilloyay, W C, m, Romeo
Doan, F L, a, Detroit
Dodge, G W, m, Almont
Doenges, L D, a, Rice, Ohio
Dolson, G E, m, Charlotte
Doty, S W, a, Lockport, New York
Dow, W T, m, Jonesville
Dwight, Blanche w, Decatur
Dwight, A C, m, Decatur
Edwards, B, a, M A C
Elliot, Mary I, w, Detroit
Ellis, D H, a, Bridgeport
Ellis, G H, m, Yale
Ellsworth, B A, m, Armada
Elson, F W, m, Grand Rapids
Evans, Hazel D, w, Lansing
(Continued on page 2.)

ALUMNI.

74.

Dustin C. Oakes, cashier of the National Bank of Grand Haven, was found floating in Grand River at noon on Saturday, September 26. Mr. Oakes left the bank at about eleven o'clock to take his customary walk along the docks. He had been unwell for some time and was subject to heart trouble and dizziness and it is supposed that he fell from the tug Meister during one of these attacks. The five physicians who viewed the remains were of the opinion that death was due to heart disease. The fact that the body was floating after having been in the water only about ten minutes would further support this view.

The funeral was held on Monday, Sept. 28, Rev. Brown, of the Presbyterian church, officiating. A large number of bankers from western Michigan and some leading republicans from the state were present.

The honorary pallbearers were Will Heath, Ionia; Samuel Webber, Lyons; W. H. Anderson, W. A. Phelps, J. R. Wylie and George Clapperton, Grand Rapids; Charles M. Moore, G. L. Root, C. P. Lillie, Louis P. Ernst, Colon C. Lillie, C. DeVos and Hon. Millard Durham, Coopersville. The active pallbearers were the directors of the National Bank, of Grand Haven, viz.: Nelson R. Howlett, Senator William Savidge, George A. Farr, George P. Savidge, Nathaniel Robbins and Capt. Herman F. Harbeck.

Mr. Oakes was well known at M. A. C. and was one of the most prominent alumni in business circles. He had been a resident of Grand Haven for three years, and had previously conducted a banking business in Coopersville for ten years. He was president of Shelby in 1890 and while there took an active part in business affairs. He was known everywhere for his enterprise, strict reliability and correct business methods. He is survived by a wife, two sons and a daughter. M. A. C. extends sympathy to the bereaved family, and keenly feels the loss of this esteemed alumnus.

The faculty reception on last Friday evening was a decided success from the standpoint of attendance as well as interest. The students were introduced by Mr. W. F. Millar, '04. The Junior women served sherbet and wafers and the evening was spent in forming acquaintances and having a good time in general. The M. A. C. glee club furnished delightful music for the occasion.

M. L. Dean has resigned his position here in the horticultural department to take charge of the Michigan fruit exhibit at the St. Louis exposition. He is already engaged in collecting fruit to be put in cold storage at Grand Rapids. Mr. Dean has been at the College eight years and is an expert in the care and judging of fruit.

THE M. A. C. RECORD.

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

EDITORS.

G. MASSELINK, MANAGING EDITOR.

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TUESDAY, OCT. 6, 1903.

THE university is having its annual attack of pain in the region of the spleen. Hard-luck stories crowd the daily papers and one would think that the great school was about to collapse, considering the football news as a criterion.

STUDENTS are sometimes apt to neglect certain studies which they deem unessential. This is very unfortunate. No one can tell what he will use most after graduation. Moreover, it should be made a rule to do everything as well as you can. There is considerable discipline in doing a thing well which is in itself distasteful. You will have to do a great many things you won't like to do when you enter real life.

THE *Moderator-Topics* can be found in the reading room. It is worthy of careful perusal, though you may never teach school a day in your life. The report of current events is especially valuable to students. It gives all the principal happenings of the week in such form that those who have but limited time can still keep up with the world. Current history is frequently neglected. Students often graduate and enter a world four years ahead of them. It takes a good deal of time to get readjusted. Better spend a little time every day and keep up with the procession. "Pat" also has a very characteristic way of putting things. Notice what he says about the cigaret habit—"Cigaret smoking makes good school work utterly impossible. There's naught but harm in the measly habit." "Pimp sticks and coffin nails" is his label on a cigaret box. Some seem to think that cigaret smoking is necessary in order to be considered sporty. If the word means foolish, they are right in their judgment. Others think it is a mark of distinction. They reason much the same way as a man who claimed to be a second Bismark. Upon careful investigation it was found that all he had in common with "The man of blood and iron" was his habit of smoking an old pipe and drinking beer semi-occasionally. There are too many people in the world who ape greatness in such a way as to acquire its vices and miss its virtues.

LIST OF STUDENTS.

(Continued from page one)

Everest, Mildred A, w, St Johns
Falconer, A E, m, Ypsilanti
Fellows, Hester E, w, Haverhill, Mass
Ferguson, Maud E, w, Okemos
Finlay, Anna, w, Saginaw
Fisher, Cornelia F, w, Grand Rapids
Flint, Minnie B, w, Cement City
Foster, Ruth C, w, M A C
Foster, Edith A, w, Clarkston
Fowler, E C, a, Hanover
Frantz, Eva Mae, w, Lansing
Fuller, Edward, m, Owosso
Gardner, Glenn, m, Pinckney
Garner, Andrew, a, Davisburg
Gaskins, Frances L, w, Hillsdale
Gasser, W W, m, Sherman
Gerow, Jas F, m, Detroit
Gibbs, J H, m, Edmore
Gill, W W, m, Wilkinsburg, Pa
Glazier, Hugh, m, Whitehall
Godfrey, Lura A, w, Freeport
Goldsmith, P V, a, Jackson
Goldsmith, D R, m, Hanover
Gould, F A, m, Owosso
Graham, Bertha I, w, Adrian
Grant, H B, m, Coloma
Graunstadt, Louise, w, Pt Sanilac
Green, Katie E, w, Vassar
Greene, W, a, Lansing
Gregg, O I, a, Canandaigua, New York
Grossberger, Sophia M, w, Lansing
Hagaman, Harry W, m, Frontier
Haines, R E, a, Charleston, W Va
Halbert, Bernice L, w, Battle Creek
Hall, Ray A, m, Bay City
Hall, I J, a, Bay City
Hall, G D, a, Lakeside
Hallenbeck, Ira D, w, Vermontville
Hamilton, P A, m, Detroit
Hammond, Flossie E, w, Lansing
Hanselman, Jay, m, Big Rapids
Hardy, E A, a, Burnips Corners
Harrison, Stanley, m, Pt Sanilac
Harris, D D, m, Webberville
Haybarker, L E, m, Leroy
Hendie, Matie C, w, Grand Rapids
Hendleman, A, m, Berrien Springs
Hickok, H, m, Rochester, New York
Hill, Crissie E, w, Lansing
Hilliard, F S, a, Holt
Hitchcock, L B, m, Jackson
Hoffman, B E, a, Goodrich
Holbrook, Florence T, w, Plymouth
Holdsworth, W G, m, Detroit
Holmes, Elzina S, w, Hudson
Hopkins, Norma L, w, Lansing
Horton, S W, a, Fruit Ridge
Horton, Laura P, w, Burnside
Hudson, Edith F, w, Okemos
Hudson, M Ethlyn, w, Okemos
Humm, L V, m, Hopkins Station
Huntley, J H, m, Grand Rapids
Hurd, Clara, w, Lansing
Hutchings, M C, m, Bancroft
Hyatt, W D, m, Toledo, Ohio
Hyde, Lora M, w, Prairieville
Hyde, Leta H, w, Prairieville
Ingles, Jane L, w, Detroit
Jenks, B W, m, Harbor Beach
Jenks, S, a, Michigan City, Ind.
Jerome, George, m, Grayling
Johnson, M, a, Milo
Johnson, E, m, Thompsonville
Johnson, R E, m, Parma
Johnston, M L, a, Linden
Jones, A R, m, Pittsburg, Pa
Jones, Geo B, a, Cassopolis
Jones, Jas R, a, Winona, W Va
Jones, J H, m, Jackson
Keating, Adele A, w, Detroit
Kephart, Geo E, m, Berrien Springs
Kerr, D A, a, Pioneer, Ohio
Kiefer, F, a, Clair View
Kimball, H D, m, Detroit
King, Henrietta, w, Lansing
Kingsley, May D, w, Kendall
Kinney, Inez M, w, Lansing
Kinsting, John H, m, Monroe
Kirby, Bessie M, w, Almont
Koehler, I G, m, Flint
Kotvis, Margaret J, w, Grand Rapids
Kratz, O A, m, Albion
Krause, E J, a, Lansing
Lampke, L J, m, M. A. C.
Lareau, H G, a, Detroit
Larry, Blanche, w, Howard City
Lawyer, R W, m, Grand Rapids
Leach, E J, m, Hancock
Lewis, A A, m, Marshall

Liken, Florence H, w, Sebawaing
Lilly, S B, m, Allegan
Liverance, W B, a, Williamston
Lowe, Geo A, a, Milan
Macklem, J Bernice, w, Sault St Marie
Manahan, B J, m, St John
Manning, G H, m, Fenton
Marr, J W, a, Howell
Martini, A A, m, Sebawaing
Martin, F A, m, Indian River
Mason, B W, m, Richland
Matthews, Jas O, m, Lansing
Mayes, M, a, Carson City
Maynard, Bernice S, w, Battle Creek
McCarty, Margaret M, w, Vermontville
McDonald, Wm, m, Davison
McDowell, V Arvilla, w, Petoskey
McEwing, Edith, w, Lansing
McGee, Geo, m, Detroit
McGraw, Grace, w, Bay City
McHatton, T H, a, Macon, Ga
McIntyre, G S, m, Webberville
McKee, Mary E, w, St Johns
McLeay, A M, m, Prairieville
McMahon, F N, m, Mosherville
McMillan, D, a, Bass River
McNally, T F, m, Mackinac
McNaughton, C P, a, Middleville
McVammel, Geo H, m, Flint
Mead, T J, m, Battle Creek
Merwin, C E, m, Moscow
Mifflin, Elgin Jr, a, Lansing
Miller, Violet, w, Lansing
Miller, E E, a, Charlevoix
Milett, F N, m, Detroit
Milward, R K, m, Detroit
Minard, R F, m, Imlay City
Miner, L F, m, Owosso
Moore, W C, a, Hillsdale
Moore, W E, a, Hillsdale
Moshier, Theodora, w, Armada
Mosher, Mabel C, w, Lansing
Mosier, C A, a, Adamsville
Moomaw, Dalton, m, South Bend, Ind
Murdough, R H, a, Crosswell
Murray, H, m, Richmondville
Nadeau, D W, a, Nadeau
Newman, Ruby E, w, Portland
Nichols, F J, a, Lansing
Nickle, Dorothy B, w, Mulliken
Oakes, D W, m, St Clair
O'Gara, F, m, Ottawa, Ontario
Owen, Grace L, w, Vernon

Palmer, Roxie L, w, Wilmot
Park, Catherine, w, Caro
Parker, W H, a, Holly
Parker, Frank, m, Sherman
Parsons, Ivan E, a, Grand Blanc
Patterson, M R, m, Lansing
Peck, J E, m, Calumet
Peck, C B, m, Belding
Pennell, R L, a, Berrien Springs
Pennock, Belle H, w, Williamston
Pentecost, Thurlow, m, Tipton
Plank, J R, m, Grand Rapids
Post, O C, m, Lowell
Pratt, Mary E, w, Middleville
Pratt, A C, m, Lansing
Pressley, R A, m, Lansing
Pullen, O, m, Allegan
Race, S E, m, Grand Rapids
Ralacio, Alfonso A, a, Durango, Mexico
Ramsey, John L, m, Wexford
Raubinger, Edward, m, Swartz Creek
Reynolds, R A, m, Jackson
Rix, L C, m, Detroit
Robinson, E P, a, St Louis
Robson, A M, m, Lansing
Rowe, C L, m, Milford
Ruttle, J H, m, Parsonville
Rymer, D C, m, Spring Lake
Sadler, O T, a, Onkama
Scofield, Roy G, a, Traverse City
Severance, C T, m, Lansing
Shiesberger, E J, m, Grand Rapids
Shaw, Harold, m, Detroit
Shaw, J S, m, Macon, Ga
Sherman, A W, a, Port Huron
Sherwood, Lloyd, a, Kalamazoo
Shull, Huber, a, Rondout, N York
Shuttleworth, P H, a, Lansing
Sibley, Stella M, w, Dewitt
Silcox, H E, m, Battle Creek
Simonson, H C, m, Sangatuck
Small, R A, m, Benzonia
Small, W H, a, Charlevoix
Smith, H W, m, Detroit
Smith, J W, m, Lansing
Smith, D I, a, Skaneateles, New York
Smith, Olive K, w, Hastings
Smith, Lyle, m, Sparta
Smith, H B, a, Byron
Smith, Grace L, w, Charlevoix
Snyder, A L, m, Florence, Colo
Speer, J W, m, Summit City
(Continued on page 3.)

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ABOUT THE CAMPUS.

A. D. Peters is laboratory assistant in the Department of Physics.

By courtesy Prof. Bogue was present at a meeting of the Forestry Commission in the land commissioner's office in the state house on Friday, the 25th. The chief object of the meeting at that time was to hear the report of the commissioner's forest warden, Prof. Roth, of the University. In accordance with a bill passed by the legislature last winter the commission now has a forest reserve of three townships. Two of them are contiguous and lie entirely within Roscommon county, and the third lies half in the north part of Roscommon county and half in the south part of Crawford county. Prof. Roth reported that during the summer 9,000 acres had been examined and reviewed in 10 acre sections, and 25 miles of section lines run and the corners to the sections located. Plans for the utilization of some timber now on the reserve and also for the establishment of forest nurseries and for employment of a forest ranger. Only a few months ago some people on and in the vicinity of the reserve were decidedly opposed to the work the forestry commission decided to do, but Prof. Roth reports that since they have seen the work begun and understand what the commission is trying to do they are heartily in favor of it.

LIST OF STUDENTS.

(Continued from page two)

Spencer, Mary A, w Armada
Stahelin, Elsie M, w, Sand Hill
Stander, Louis, m, Grand Rapids

Steadman, La Fayette L, a, Pigeon
Stephenson, O W, m, Adrian
Sterling, Ora E, w, Lansing
Stevenson, Lena J, w, Grosse Point
Stevenson, N A, a, Grosse Point
Stewart, Ralph, a, Cassopolis
Stewart, B C, m, Pittsford
Stone, Harry G, a, Medina
Stowell, Bert E, m, Pontiac
Strome, G N, m, Benton Harbor
Strouts, A P, a, Benton Harbor
Sutherland, C H, m, Detroit
Swift, Lyle M, w, Harlan, Ind
Symes, Geo W, m, Bancroft
Tackabury, Edith M, w, Alpena
Tallant, E P, m, Santa Barbara, Calif.
Talsma, M A, a, Jamestown
Taylor, Floyd, a, Milford
Tenkonoky, F W, m, Detroit
Tenney, R W, m, Hanover
Thatcher, Edwin, m, Ravenna
Thomas, R G, m, Alden
Thomas, R S, m, Lansing
Thorburn, Dollie, w, Holt
Tripp, C A, m, Bad Axe
Tryon, J H, m, Bay City
Twaits, F. J. m, Lansing
Uhl, E C, m, Sebewaing
Valentine, G S, m, Jackson
Valmore, E, m, Detroit
VanAlstine, E, a, Lansing
Van der Meulen, Jas, a, Grand Haven
Van Haltema, A J, m, Lansing
Walker, Zella L, w, Ironwood
Walkup, J M, a, Nunda, Ill
Wallace, R N, m, Bay Port
Waller, Marguerite, w, Stuart, Va
Ward, Allie C, w, Lansing
Wardahl, H F, m, Elk Rapids
Warden, Walter, a, Rushton
Warren, D C, a, Edmore
Warren, Edythe, w, Clayton
Watson, Geo H, a, Chicago, Ill
Watson, Katherine, w, Chicago, Ill
Weeks, H B, a, Albion
Weidman, W C, m, Bay City
Wells, Ni a, w, Lansing

Welsh, A H, m, Dafter
Westerman, L B, w, Adrian
White, O K, a, Hart
Whittleton, A J, a, Webster
Wilcox, J C, a, Irving
Willson, E A, a, Bozeman, Mont.
Wilson, F A, m, Adrian
Wilson, A W, m, Detroit
Wimple, Zoe Belle, w, Owosso
Winans, Mary B, w, Lansing
Wing, Q L, a, Detroit
Word, L E, m, Belding
Yutzey, Homer, m, Ithaca
Zimmer, W E A, m, Sebewaing

The following data have been collected from the enrollment blanks:

Number of subfreshmen: agricultural students, 57; mechanical, 98; women, 62. Number of freshmen: agricultural students, 43; mechanical, 72; women, 34. Two of the number will graduate with the present mechanical juniors. This brings the total up to 368.

284 have attended high schools. Of this number 151 held diplomas and most of the remainder held 10th or 11th grade standings. 39 came here from other colleges and 45 had received no training above the common schools. Quite a few of the last named class entered on age, being 18 years or over. 41 high school graduates had to take the 5-year course owing to their inability to pass the entrance examinations. The accredited list at M. A. C. is nearly identical with that of the University, the two lists differing by less than a dozen schools. 94 depend upon themselves for funds to secure an education while 26 more will have to earn as much as possible to defray their college expenses. It

will be interesting to follow the above 120 young people for the next ten years. 151 came from the farm and 217 from the village or city. A curious fact in this connection is that many from the farm entered the mechanical course and quite a few from the village or city the agricultural course. This shows that the city is constantly receiving boys from the farm and vice versa.

158 were undecided as to their future career; 41 expressed a desire to engage in agricultural pursuits; 32 expected to join the ranks of those that give much but get little in a financial way, viz., the teaching profession; 117 will follow some line of engineering, mechanical, civil, or electrical; 5 are preparing for other colleges while 4 expect to enter business and 9 intend to become chemists. Not one expected to take up marriage, ministry or war. It was however, noticed that many of the women students were rather reticent about their future prospects.

105 gave the Methodist as their church preference, 58 the Congregational, 39 the Presbyterian, 39 the Baptist, 19 the Episcopal, 11 the Catholic, 10 the Universalist, 10 the Lutheran, 16 were scattered among a dozen other denominations and 61 had no church preference. It will thus be observed that the incoming class is quite diversified in religion, previous training, present work and future ambition. What the outcome will be remains to be seen. The class is strong in more respects than mere numbers, and many of them will be an honor to M. A. C.

The following is taken from the *Michigan Farmer* of Oct. 3, and will prove of particular interest to agricultural students and those who are attempting to improve the rural schools of Michigan. It was written by Prof. F. B. Mumford, M. A. C. '90. The time is coming when Michigan will have agriculture taught in every rural school. This will mean better trained teachers and higher salaries.

AGRICULTURE IN THE PUBLIC SCHOOLS.

THE MISSOURI PLAN.

There never was a time when so much attention was given by the departments of education, by agricultural colleges, the agricultural press, and other agencies interested in country life, to the teaching of agriculture in the public schools. Arguments have been offered to show the great advantages which would follow the successful introduction of agriculture in the public schools, but results of actual instruction given to children in rural schools are not always easy to find.

All are agreed that agriculture should be taught in the rural schools. The great difficulty is in outlining a plan which will induce teachers to begin this work and the patrons to recognize its value. Manifestly a teacher ignorant of all the principles and practices of agriculture cannot teach this subject. The whole question is easy of solution when the rural school teacher has received reliable instruction in agriculture and by the aid of a library of agricultural books and bulletins becomes able not only to instruct pupils, but to impart useful and valuable information of the highest practical value to every patron of the school.

This is the aim and purpose of the Missouri plan for introducing agriculture in the public schools. It has so far succeeded beyond our highest expectations. It will be encouraging, therefore, to the friends of this movement to learn what has already been done in this direction and something of our plans for the future.

AGRICULTURAL INSTRUCTION FOR TEACHERS.

The Missouri Agricultural College enjoys the distinction of being the first institution in America to offer courses in agriculture and horticulture to teachers. President Jesse was the first to suggest and later to demonstrate the fact that the most important step in this movement was the training of teachers who were to give instruction in this work in the schools. In the summer school each year for the past six years, courses have been offered in agriculture and horticulture, and these courses have been largely elected by the teachers attending. As a result of the work done here, every state normal in Missouri now has a professor of agriculture. More than 500 teachers have thus been trained in agriculture and horticulture by the educational institutions of Missouri.

A conservative estimate shows that more than 5,000 Missouri children received some instruction during the past year in agriculture and horticulture. It is to be noted in this connection that when we use the term agriculture we mean the elements of agriculture and horticulture. All of the work given may be properly classified as nature study, but is distinct from the gen-

eral idea of nature study in that it is technical agriculture. The courses given to teachers at this institution are elementary courses in soils, farm crops, and horticulture. During the summer of 1903 two courses in horticulture were given to teachers and a six weeks course in agriculture was offered. More than fifty teachers thus received instruction this year at the Missouri College of Agriculture. The work done in these courses is accepted by the superintendent of public instruction for state certificate.

AGRICULTURAL PUBLICATIONS FOR TEACHERS.

We have found it not only necessary to give this instruction to teachers at the college and in the normal schools, but in order to reach a larger number and to give definiteness to all the instruction offered in these courses, have begun the publication of a series of bulletins which are intended to give the elements of agriculture and horticulture. In this series we have published two bulletins, one on "Plant Propagation" and the other on the "Principles of Plant Production—the Seed." It is our purpose to complete the series on the principles of horticulture and another on the principles of plant production, particularly as applied to soils and crops. Each of these series when completed will be an elementary textbook upon that subject, and will be recommended to teachers as reliable authority on the subjects treated.

The state superintendent of public instruction in Missouri has recommended these bulletins and the outline prepared by the Missouri College of Agriculture for the public schools of Missouri, and a large number of teachers are successfully giving this work in rural and high schools.

It is impossible to measure the good which will certainly follow this successful effort for the teaching of these important subjects to the children of a great agricultural state. The agricultural press has aided greatly in this effort. The state board of agriculture has been more than enthusiastic in its support of the work, and all of these agencies working with the agricultural college must be given credit for whatever success has so far been attained.

Mrs. Geo. Bond, of Libertyville, Illinois, visited her sister, Mrs. G. Masselink, during the past week.

The farm department is filling silos at the present time. About 400 tons will be put up.

The M. A. C. Sunday School meets in the brick school house in Collegeville every Sunday at three o'clock. Several students attend. More would be welcome.

The Phi Delta Literary Society received a magnificent portrait, mounted, of the famous German author, Johann Von Goethe. The picture is a German work and was presented to the society by its president, Henry W. Geller.

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D. R. OSCAR H. BRUEGEL, Hours 9 to 11 a. m.; 2 to 4 and 7 to 8 p. m. Agricultural College, Mich.

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