

The M. A. C. Record.

Vol. 5.

LANSING, MICHIGAN, TUESDAY, OCTOBER 3, 1899.

No. 4

Jots from the State Fair.

The exhibit of the College and Experiment Station at the State Fair justly attracted a good deal of attention. The exhibit of the mechanical department was the first to meet the eye as the visitor entered the door of the alcove of the main building in which the exhibit was installed. The comments of the passing crowd were to the effect that they didn't see how boys could do that sort of thing. Mechanics from the city came inside the railing, examined the work critically, and went away praising the practical character of the instruction given. One mechanic was especially pleased with the pattern making, another with the accuracy and perfection of the work in iron and steel. The material had been wisely arranged by Mr. Newman, illustrating the work of the College along that line, and the impression left on the crowd was very gratifying.

Next came the analysis of beets by Mr. A. N. Clark who maintained a "continuous performance" showing how beets are tested for sugar content and purity of juice at a factory. This phase of the College work was shown at the suggestion of the department of State and proved to be one of the most taking things in the whole exhibit. The beets were sent in to the department exhibit across the aisle at the invitation of O. C. Howe '83, head of the division of statistics of the office of Secretary of State, and were analyzed by Mr. Clark to illustrate to the farmer how the thing is done in a factory. There was a crowd about this table all the time.

The main part of the College exhibit in this building was brought together and put in place by Prof. J. D. Towar. Among the interesting articles representing the work for the College and Station a few only can be mentioned here. The large chart upon which was shown the sugar content and purity of the beets grown in the several counties of the state in 1891 from seed imported by the College at the insistence of Dr. Kedzie, revealed to the many interested business men the fact that it is to the College that the state owes the inception of the beet sugar industry. No factory has been built without first looking up this work and that subsequently performed in 1897. This fact the factories cheerfully acknowledge and the farmers themselves are beginning to realize this, another debt due the institution.

The varieties of wheat, the new legumes, the dynamometer and chart showing the draft of wagons under varying conditions, the diseases of sugar beets and finally the illustrations of the relative values of certain methods of fertilization on muck lands, were important and interesting factors in making up the display. Much credit is due Prof. Towar for his skill and judgment in selecting the representative materials and exhibiting them to the best advantage.

J. M. Rankin, the "Bee-man" of the Experiment station, was the assistant superintendent of the dairy and bee department of the fair. He reports that the prizes in butter and

cheese were won by persons who had taken the special courses at M. A. C. The first prize cheese was made by Miss Murphy of Lowell, who was in the special cheese class in 1897; and the first prize butter by Mr. A. R. Pierce, a student in the special dairy course in 1895. The Butter scored 97½ per cent.—C. D. S.

Seniors at the Fair.

Those of the senior agricultural students who were able to leave their work here, attended the State fair at Grand Rapids last Tuesday. They were accompanied by Prof. Mumford, who was judge of sheep at the fair. Their purpose was to meet the judges on live stock, watch them at their work and gain a better idea of their methods, and to study, for themselves, the stock exhibited. The exhibits of stock were fine. Prominent among them were an exhibit of Percheron and French Coach horses by Dunham, Fletcher and Coleman of Wayne, Illinois; the famous Aaron Barber herd of Shorthorns from Avon, New York, now owned by W. A. Boland of Grass Lake, Mich.; and a flock of Lincoln sheep by J. H. and E. Patrick of Ilderton, Canada. This was said to be the best exhibit of Lincolns ever seen in Michigan and is probably the best show flock in America today. After spending all Tuesday at the fair, the class returned Tuesday night, feeling well repaid for their trip. P. T.

Tartaric Acid in Juice of Grapes in 1899.

BY R. C. KEDZIE.

I received the following letter, with a small packet of peculiar appearance, last evening:

IONIA, Sept. 27, 1899.
Chemist of Agricultural College:

Herein find a sample and I would like to know what it is. I think it is out of granulated sugar which I was trying to melt down in some grape juice, and it would not melt, so I washed it out and dried it again and this is it.

Hoping to hear from you,
T. W.

The material that puzzled my friend Thomas is "cream tartar," or acid tartrate of potash, the crystals colored of a purple hue by the grape juice.

The most abundant acid in grapes in Michigan in ordinary seasons is the malic acid, so called because it is so abundant in apples. The presence of malic instead of tartaric acid in the grape juice of ordinary seasons, on fermenting produces a liquor of the *cider* class in place of *wine*. To make real wine there must be the presence of tartaric acid in the juice.

In hot seasons approximating tropical weather we occasionally find that the grapes produce the real tartaric acid in place of malic, and thus become genuine wine grapes. This is the third season within fifty years when I have found a large preponderance of tartaric acid in the ripe grapes. I first noticed it in 1856, then in 1872, and now in 1899. In 1872 the

grape jelly formed large crystals of tartrate of potash. Probably the grape jelly of this year will show similar crystals within a few weeks.

The condition of the grapes this fall shows that they are better fitted for making wine than the grapes of a cooler season.

Plans for the Botanical Club.

The Botanical Club will meet hereafter on Tuesday evenings at the usual hour, 6:30 p. m., in the botanical laboratory, instead of on Monday as formerly.

The executive committee has outlined the work for the term and some interesting programs have been prepared. Among those who will give talks or lectures are, Dr. Beal, Profs. Hedrick, Wheeler, and Pettit, Dr. Marshall, and Messrs. Longyear, Gunson, Skeels, and Barlow. A series of biographical sketches of some of the principal botanists of Europe and America will also be given at times during the term.

Mr. Longyear will talk on mushrooms, this evening, October 3.

The First Football Game.

It might have been worse. It was worse last year—thirteen worse. The fact that Notre Dame on home grounds defeated M. A. C. 40 to 0 last Saturday is not discouraging when all the conditions are taken into consideration. In the first place the Notre Dame team outweighed ours by at least 15 pounds per man; their center stands 6 ft. 6 in. and weighs 250 pounds; ours tips the scales at 181 pounds. Secondly, they have been practicing longer and have had several games, while our team was playing its first game.

The fact that our team played hard, steady football, without fumbles or flukes, is very gratifying. Notre Dame had to work hard for every touchdown and was surprised not to run up a larger score, claiming to have a stronger team than the one that played us last year.

Our principal weakness was a lack of interference. End plays were out of the question. Russell made but two gains and Crosby not any around the ends. While this is to be deplored, it is not surprising; it was well known that our "scrubs" could break up the first eleven interference for end plays.

Our strength, what there was of it, was in steadiness. Ranney was in every play; Baker and Curtis did excellent defensive work, and the latter made several good gains; Rork, a new man, showed unexpected strength at end, and blocked both of Notre Dame's attempted place-kicks; and A. H. Case showed up well for a new man.

The line-up of our team was as follows: McLouth, center; Skinner, right guard; A. H. Case, left guard; Parks, right tackle; Curtis and Travis, left tackle; Rork, right end; Baker and Smith, left end; Captain Ranney, quarter-back; Crosby, right half-back; Russell, left half-back; Lundy, full-back; R. W. Case, McCue and Bommer-schein, substitutes.

In this game eight of the boys, McLouth, Skinner, A. H. Case, Travis, Rork, Baker, Crosby and Lundy, won their M. A. C. monograms, and all gained valuable experience that will stand them in hand in their game with the D. A. C. eleven in Detroit next Saturday.

Y. M. C. A. Notes.

Mr. H. W. Rose, visiting college secretary for the middle west, gave us a visit last Thursday, conducting the Thursday evening meeting. This visit, as have been former ones, was very profitable for the Association.

About 40 have already been enrolled in the Bible classes, and the outlook for the Mission study class is promising.

The Mission study class will meet in the associations rooms next Friday night at 6:30.

The Handbooks are out. If one is not given you soon, call at Room 29, Williams Hall, or Room 132, Abbot Hall, and get one.

Our membership has passed the 100 mark.

Prof. Hedrick's Bible class, "Apostolic Age," meets each Sunday at 8:30 in his office on the second floor of College Hall; Mr. Wells' class, "Life of Christ," meets each Sunday at 4 o'clock in the Association rooms. Later announcements will be made concerning the other classes as formed.

College Sports.

The Pennsylvania guards and backs are being given regular practice at place-kicking.

Yale and Harvard will meet in Cambridge on Nov. 18. Princeton will meet Yale in New Haven Nov. 25.

Illinois university will use Cayou, the Indian half-back, who was on the famous Carlisle eleven last year and the year before.

Paced by a motor tandem Walter T. Smith, a 14-year-old bicycle rider of Brooklyn, lowered the amateur record for one mile to 1:36 2-5 at New York.

Duffy, the schoolboy sprinter, who did the 100 yards in 9 4-5 seconds, has entered Princeton and it is expected will be on the Princeton team for the Paris games next summer.

Seven of last year's Carlisle Indian players are to play this year, including the famous little drop-kicking quarter-back Hudson. They will be coached by Warner, the old Cornell guard. Billy Bull has gone to Yale to help coach the team of his alma mater.

Keene Fitzpatrick, just back at Ann Arbor, thinks he would like to take a team of five or six or more Michigan university athletes over to the Olympian games in Paris next year. He is already talking up the matter. Eastern universities are planning to have teams, so is Stagg, of Chicago university.

THE M. A. C. RECORD.

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

Official Directory.

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

Y. W. C. A.—Weekly meetings for all ladies on the campus, Thursday evenings at 6:20, in Abbot Hall. Sunday meetings with the Y. M. C. A. Mable Brigham, President; Elizabeth Johns, Cor. Secretary.

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

NATURAL HISTORY SOCIETY—Meets alternate Wednesday evenings at 6:30 P. M., in the Zoological Lecture Room. B. Barlows, President. W. K. Wonders, Secretary.

BOTANICAL CLUB—Meets Tuesday evenings at 6:30 in the Botanical Laboratory. G. M. Bradford, President. W. S. Palmer, Secretary.

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

ADELPHIC SOCIETY—Meetings every Saturday evening at 7:00, Class room A., College Hall. F. D. Linkletter, President. A. M. Gibson, Secretary.

COLUMBIAN LITERARY SOCIETY—Meetings every Saturday evening at 7:00, Fourth floor, Williams Hall. W. T. Parks, President. C. W. Kaylor, Secretary.

ECLECTIC SOCIETY—Meetings every Saturday evening at 7:00, Fourth Floor, Williams Hall. L. L. Appleyard, President. F. Carpenter, Secretary.

FERONIAN SOCIETY—Meetings every Thursday afternoon at 4:00, West Ward, Wells Hall. Harriette Robson, President. Fleta Paddock, Secretary.

HESPERIAN SOCIETY—Meetings every Saturday evening at 7:00, West Ward, Wells Hall. J. R. Thompson, President. F. W. Owen, Secretary.

OLYMPIC SOCIETY—Meetings every Saturday evening at 7:00, Fourth Floor, Williams Hall. J. G. Aldrich, President. S. Marsh, Secretary.

PHI DELTA THETA FRATERNITY—Meetings every Friday evening at 7:30, East Ward, Wells Hall. H. B. Clark, President. A. Trebilcock, Secretary.

THEMIAN SOCIETY—Meetings every Friday afternoon at 2:00, Phi Delta Theta Rooms East Ward, Wells Hall. Harriet O'Connor, President. Kate Nichols, Secretary.

UNION LITERARY SOCIETY—Meetings every Saturday evening at 7:00, U. L. S. Hall. Paul Thayer, President. T. H. Spindlo, Secretary.

TAU BETA PI FRATERNITY—Meetings on alternate Thursday evenings, Tower Room, Mechanical Laboratory. William Ball, President. C. H. Bale, Secretary.

CLUB BOARDING ASSOCIATION—H. L. Chamberlain, President. Geo. Severance, Secretary.

M. A. C. ATHLETIC ASSOCIATION—W. T. Parks, President. H. P. Weydemeyer, Secretary.

New Students.

Following are the names of the students in the class of 1903, the largest class that ever entered this College. Students in mechanical course designated by "m" after name, in agricultural course by "a," in women's course by "w," special students by "sp.":

- Abbott, Joseph H., m. sp., Milford. Alfsen, Albert H., a., Long Rapids. Allen, Chauncey S., m., Pulaski. Allis, Edward D., a., Adrian. Armstrong, Eloise L., w., Okemos. Armstrong, Maude C., w., Hanover. Armstrong, Clyde, m.; Hanover. Ayrs, Oléna, w., Lansing. Bailey, Clayton G., a., Salem. Balbach, Edward, m., Grand Rapids. Baluss, John W., m., Blissfield. Bancker, Edward A., m. sp., Jackson.

- Barrack, Lewis A., m., Williamston. Barringer, Herbert S., m., Lansing. Barrows, William M., a., Agricultural College. Bastin, C. H., a., St. Joseph. Bauer, Anton C., sp., Lansing. Bay, Fred B., a., Victorsville. Beauchamp, Leroy M., a., Edwardsburg. Beebe, Florence, w. sp., Jackson. Belyea, J. A., Jr., m., Detroit. Benjamin, Orra, sp., Lansing. Bice, William, m., Lansing. Bird, Mrs. A. C., w. sp., Agricultural College. Bird, Lewis F., a., Millington. Bishop, Byron B., m., Galesburg. Blanchard, Chas. M., m., Chesaning. Bland, Pearce B., m., Detroit. Baker, Adelbert B., m., Lansing. Bommerschein, Joe, m., Three Oaks. Boyland, Robt. G., m., Grandville. Bouton, Edward P., m., Battle Creek. Brainard, Frank K., m., Detroit. Brewer, Eugene S., m., Owosso. Brody, Clark L., a., Fabius. Brown, Edith M., w. sp., Petoskey. Browne, Gertrude, w. sp., Springport. Brown, Willard, m., Dellwood. Brown, W. R., m., Lansing. Brown, Jessie, w., Grand Rapids. Brunger, Clifford I., a., Grand Ledge. Bryant, Karl R., m., Mayville. Burcham, Laura, w. sp., Agricultural College.

- Burdick, Albert O., m., Grand Rapids. Burgis, Stafford, a., Detroit. Burrows, John C., m., Newton, Ill. Bush, Isaac W., m., Howell. Buskirk, Bessie I., w., Wayland. Button, Don B., a., Farmington. Cain, Frank W., a., Hillman. Carlisle, Arthur E., a., Kalkaska. Carrel, William J., m., Alma. Chamberlain, J. J., m., Howell. Chandler, George, a., Onaway. Chandler, Annie, w., Onaway. Chase, Theron P., m., Lansing. Cheney, Gerald, a., Highland Park, Ill. Childs, Leroy F., m., Sunfield. Churchill, Jessie M., a., Lansing. Churchill, Omar O., a., Lansing. Churchill, James D., a., Lansing. Clark, John S., a., Maynard, N. Y. Clark, Ray L., a., Wixom. Clark, Lawrence J., a., Howell. Cobb, Charlie C., m., Pottersville. Comfort, H. Edgar, m., Tecumseh. Conklin, Elon K., m., Hartford. Cook, Edward B., a., Kalamazoo. Cook, Mina C., w. sp., Lansing. Cooper, James A., Jr., m., Owosso. Copp, Helen B., w., Okemos. Crosby, Mark G., a., Agricultural College. Crysler, Fred W., a., Webberville. Cummings, Thomas A., m., Detroit. Dales, Oliver D., m., Chesaning. Dean, Olney J., m., Colon. DeGarmo, Elias, a., Highland. Demorest, Lyle, m., Lansing. DeWitt, Myrtle, w., Blanchard. Doolittle, Stewart I., m., Wheatland. Doty, H. P., a., Grand Ledge. Drake, Leon L., a., Platte. Dunston, Gale J., sp., Fowlerville. Easterbrook, Wm. H., m., Marcellus. Eaton, Homer M., m., Jackson. Edmunds, Chester W., a., Chicago, Ill. Elmer, Alice J., w., Devereaux. Elmer, Ross T., a., Devereaux. Elmer, Ellsworth O., a., Devereaux. Ely, Carl, a., Farmington. Emmons, Earl, m., St. Johns. Engel, Fred, m., Forestville. English, Mabel C., w., Lucas. Estlack, Hubert, m., Muskegon. Fargo, Harvey D., m., Lansing. Fessenden, Oymar C., a., Highland Park, Ill.

- Fogg, Frank, m., Leslie. Foley, Timothy F., a., Mt. Salem. Foe'e, Thressa A., w., Lansing. Foster, I. Belle, w., Lansing. Foster, Gertrude, w. sp., Cascade. Fraser, John A., m., Lansing. French, William T., a., Wesley. Fulton, Edith M., w., Lansing. Garthe, Stanley, m., Northport. Gates, Seymour F., a., Orange. Good, William, Jr., m., Solon. Graves, Emil W., m., Forestville. Groat, Mattie A., w., Lansing. Groat, Robert M., a., Niles. Guilford, Bert, a., West Branch.

- Gunn, Katherine F., w., Okemos. Gunn, Earl G., m., Lansing. Hahn, Daniel H., a., Brookfield. Hallack, William M., m., Sparta. Hall, Harry L., m., Port Austin. Hall, Kenneth K., m., Grand Ledge. Hanchett, Mary E., w. sp., Holloway. Haner, Charles L., a., Osseo. Hartman, Simon B., a., Athens. Hartness, James C., m., Lansing. Hastings, Samuel D., m., Green Bay, Wis. Hasty, Philip S., m., Lansing. Hazelton, J. Grace, w., Lansing. Hazzard, Mattie B., w. sp., Ionia. Hedges, J. Harold, m., N. Lansing. Hesse, Burr T., a., Napoleon. Hill, Harry C., m., Lansing. Hill, Carmelita A., w., Lansing. Hodges, Karl P., a., Lansing. Holdridge, Wilbur H., a., Highland. Holmes, Clifford D., a., Grand Ledge. Holt, Gertrude, w. sp., Walkerville. Hornbeck, Henry N., a., Croton. Horton, Norman B., a., Fruit Ridge. Howard, George V., m., Sherwood. Howe, L. Mae, w. sp., Burnside. Hudson, Mabel N., w., Lansing. Humphrey, Thomas, m., Adrian. Jenkins, Isaac G., m., Lansing. Johnston, Robert E., m., Ferrysburg. Jones, Milo C., m., Leslie. Kelley, Helen, w., Lucas. Kelley, Ida, w., Lucas. Kerr, Annie G., w., Au Sable. Kerr, Lawton A., a., Detroit. Kice, Roy, m., Lansing. Kingsley, H. Ray, m., Kendall. Kinyon, Bessie A., w., Grand Ledge. Kramer, J. R., m., Benton Harbor. Kyes, May, w. Ovid. Lamb, Fred B., m., Adrian. Lamb, Ellen, w. sp., Four Towns. Landon, Robert G., a., Springport. Lane, Florence E., w., Holloway. Lafer, Jay G., a., Bangor. Lawson, Alta, w. sp., Vernon. Leak, Earl, a., Elbridge. Lilly, Clyde A., m., Allegan. Locke, Herbert, m., Middleton. Lohman, Carl A., m., Lansing. Lohman, Roy E., m., Lansing. Loop, James F., m., Sparta. Lowell, Ernest, m., Union City. Ludlow, Mark M., m., Parma. Lufts, Frank W., m. sp., Lansing. Mansfield, Harold W., m., Hesperia. Mantz, Clarence, m., Lewiston. Marshall, Charles M., a., Highland Sta. Marshall, Carl W., a., Mansfield, O. Marshall, Henry G., m., Dansville. Martin, Geo. E., m., Hartford. Mason, Earl K., m., Athens. Meade, D. J., m., Lansing. Metz, Harry L., m. Agrl. College. McCallum, J. Roy, m., Lansing. McClure, Samuel W. m., Tecumseh. McLaughan, S. T., m., Bay City. McMullen, George S., a., Grand Ledge. McNeil, Vernon W., a., Grand Blanc. Miller, Emma M., w., Trout Creek. Miller, Arthur C., a., Vicksburg. Mitchell, A. C., a., Carson City. Moore, James G., a., Shepherd. Moots, Tylla, w., Lansing. Mofbeck, George C., a., Ingalls. Morrill, Mabel M., w., Benton Harbor. Morrison, Elsie M., w., Wixom. Nacker, Owen, m., Highland. Nehman, Margarette D., w. Capac. Nelson, May, w. sp., Menominee. Newman, Grace L., w. sp., Portland. Nickle, Frank H., m., Hoytville. Nybro, Christian, m., Onekama. Palmer, Jessie K., w., Kalkaska. Peattie, Edward G., a., So. Haven. Phelps, George H., a., Lansing. Phillips, Alma C., w., Auburn. Phillips, Roland I., m., Bangor. Phillips, C. L., m., Milford. Powers, Lillian E., w., Lansing. Pullin, Fred B., m., Williamsville. Quevedo, Louis Garcia de, a., Cayey, Porto Rico. Rankin, Mae, w., Shelby. Rawson, Walter J., m., Clinton. Rea, Gilbert A., a., Hillman. Reimer, Frank C., a., Baroda. Reynolds, C. P., a., Owosso. Ricamore, W. P., a., Berryville, Va. Richardson, Guy W., a., Bath. Rork, Frank C., m., Lansing. Rosenberry, Alvin A., a., Oak Park, Ill.

- Rosenberry, B. P., sp., Oak Park, Ill. Rose, Chas. B., m., Burton. Schultz, Harry W., a., Middleton. Sears, Arthur W., m., Jackson. Selby, Floy, w., Lansing. Severance, Howard, m., East Jordan. Shaw, Alice D., w., Cadmus. Smart, Hoyt W., a., Saginaw. Smith, Ernest F., m., Lacey. Smith, Henry N., m., Blanchard. Smith, Edna V., w., Tallmadge. Smith, Julia E., w. sp., Petoskey. Smith, Mary A., w., Gaylord. Smith, Mabel A., w., Gaylord. Smith, George F., m., Watervliet. Snyder, Clara M., w. sp., Agrl. College. Spalding, Harrison M., m., Perry. Stacks, Don H., a., Pottersville. Stampfly, Jr. Allen, m., Gunnisonville. Stevens, Fred D., a., Whitmore Lake. Steves, Garfield W., a., Olivet. Strong, Albert, m., Kalamazoo. Sutherland, Roy M., m., Clare. Sweet, Hugh D., m., Stockbridge. Switzgable, Henry, m., Holt. Taylor, Alfred B., m., Saugatuck. Taylor, Ralph E., m., Climax. Taylor, Robert L., a., Almont. Thomas, Ray G., a., Three Oaks. Thomas, Leroy, m., Lansing. Thomas, A. D., m., Alden. Thompson, Charles M., a., Fenton. Thompson, W. O., a., Indianapolis, Ind. Thorne, J. Lane, a., Lansing. Trattles, Lydia A., w., Constantine. Travis, William E., m., Milford. Tryon, George, m., Royalton. Umstad, William E., m., Marshall. VanSkiver, Ira J., m., Sparta. Vis, Edward, sp., Grand Rapids. Voorhorst, Clarence J., m., LeRoy. Waber, James W., sp., Kendall. Wagar, Harry E., m., Edmore. Walker, Harry G., m., Grand Blanc. Wardwell, Theodora, w., Lansing. Warges, John F., m., Lansing. Waring, Charles A., m., Tecumseh. Webster, Emma, sp., Lansing. Wheeler, Burr, m., Manistee. White, George W., m., Solon. White, Thomas J., m., Deep River. Whitney, Edward, m., Pt. Sanilac. Wilson, Floyd J., m., Lansing. Wimble, John H., m., Lansing. Wolcott, Ben C., m., Lansing. Wood, Eugene C., m., Lansing. Wood, Fleda L., sp., Agrl. College. Wright, Hettie B., w., Three Oaks. Yates, Richard L., m., Washington. Youngs, Perry R., a., Lansing.

SUMMARY.

Table with 2 columns: Category and Count. Rows include Students in Mechanical Course (124), Students in Agricultural Course (79), Students in Women's Course (41), Special Students (28), and Total (272).

Proceedings of the Board.

The State Board of Agriculture met at the Morton House in Grand Rapids last Tuesday evening. The bids for constructing a new dormitory for women at the College were found to be from the following contractors: Chittenden and Skinner, Lansing; William J. Spear, Toledo; A. W. Monke, Grand Rapids; Campbell and McNabb, Grand Rapids; Schmidt-Jacobson Building Co., Detroit; H. George & Son, Detroit; John Finn, Detroit; G. Rickman & Sons, Kalamazoo, and G. S. Germain, Port Huron. All of the bids, however, were above the appropriation and no contract was awarded. For the plumbing contract there were two bidders, H. H. and S. H. Avery, Jackson, and Shields and Leadley, Lansing. These also were left for later consideration.

The Upper Peninsula experiment station provided for by the last legislature, was located at Chatham, Alger Co., with the understanding that certain conditions to be stipulated by the Board shall be com-

plied with. It is thought that the soil and climate at Chatham are typical of conditions in the Upper Peninsula in general. The ballot on the location of this station was secret and unanimous.

The action of Pres. Snyder in employing Mrs. L. E. Landon to teach in the English department and Abraham Knechtel in the department of mathematics was approved.

The resignation of Mr. A. L. Westcott as instructor in mechanical engineering was accepted. The Board also authorized the employment of a successor to Mr. Westcott, at \$1,000 and room, or an equivalent of \$1,150 per year.

The resignation of Mr. C. H. Alvord as farm foreman was received and laid on the table. Mr. E. R. Blair, once foreman on the J. M. Turner stock farm, was elected farm foreman. In this connection the Board adopted a resolution to no longer provide house furnishings in the farm house.

The removal of dead timber from the forest in No. 19 was authorized.

The matter of keeping a horse for the use of officials on the farm department was referred to the farm committee to report at the next meeting.

On motion the question of time for the short course in cheese making was referred to Pres. Snyder and Dean Smith.

Miss Louzena Kellum was elected stenographer for the experiment station and farmer's institutes, and Mr. B. A. Faunce, clerk to Pres. Snyder.

The request of Mrs. M. A. Wright to have her property, known as "Brooks' Addition to the Delta," connected with the College water and electric light systems was referred to a committee composed of Capt. Allen and Mr. Marsh.

On motion it was decided that the College will furnish coal at cost to employees of the College living on the grounds or in the immediate vicinity and to no others under any circumstances.

The matriculation fee for students entering any of the short courses was fixed at \$2.50, with the provision that in case any duly matriculated student in a short course should enter one of the regular courses, he shall be required to pay an additional matriculation fee of only \$2.50.

On motion it was resolved that all students be required to wear uniform at drill.

The Board took a recess, to meet at the College this (Tuesday) evening at 7:30, at which time the bids on the woman's building will be considered further.

At the College.

Snow fell Friday.

Apple picking is well under way.

Advertised letters: Prof. B. C. Waldenmaier, Claud Wilkinson.

The Saturday *State Republican* contained the names and addresses of all our students.

Prof. Bemies returned to College Thursday, bringing with him his wife and two children.

Irving Gingrich '01, 46 Williams, is giving private vocal lessons to a few students and has room for a few more.

Two works on chemistry, one by Hjelt the other by Bernthsen are missing from the library. They are wanted.

Mr. Pettit cut a deep gash in the back of his head Friday by falling from a chair and striking his head on a radiator.

The consignment of Holland bulbs ordered the first of last May from Jacobus Keur of Haarlem, Holland, was received at the greenhouse last Friday.

Hon. I. H. Butterfield has been re-elected secretary of the State Agricultural Society, and F. E. Skeels '78 is again a member of the executive committee.

Superintendent of Buildings Lohman has fitted up an office in "The Den," east end of Howard Terrace, third floor, where he can oversee the work on the new women's building.

Miss Fay Wheeler and Miss Pearl Kedzie go to Chicago the latter part of this week. After a short visit in Chicago Miss Kedzie will visit her aunt, Mrs. Nellie Kedzie at Peoria. Miss Wheeler will spend a month at the home of Prof. and Mrs. Woodward and then go to Washington, D. C.

The Little Things.

She—"It's strange that the little things in life offer the greatest difficulties!"

He—"That's so! Last night, for instance, I could find the house all right, but for the life of me I couldn't find the keyhole!"—*Heltre Well.*

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We have made unusual preparations for Fall and Winter Underwear business and are in position to show almost everything desirable in Silk, Wool or Cotton garments.

Combination Underwear....

is constantly growing in popularity; never sell a customer a two piece suit after wearing combination. Avoids double thickness about waist, clothing fits better and life is brighter. All qualities in men's, women's and children's suits.

Don't get so excited over the merits of combination underwear that you forget we have

THE UP-TO-DATE HAT STOCK

OF LANSING. Would like you to come in and see for yourself.

Neckwear department chock full of New Bright Ties.

Students' Patronage Solicited.

ELGIN MIFFLIN.

Furniture Headquarters.

Cots at - - \$1.25, \$1.50, \$2.00 and \$2.50
Wire Springs at - - \$1.50 and \$2.00
Mattresses from - - \$2.00 up
Tables, Rockers, Bureaus, Iron Beds.

All goods delivered free to College.

M. J. & B. M. Buck.

R. B. Shank & Co.,

Leading Grocers and Confectioners.

"ROYAL" SHOES FOR MEN

All Styles \$3.50.

Tennis Shoes for ATHLETIC PEOPLE

At C. D. WOODBURY'S Hollister Block. SHOE STORE.

SOROSIS SHOES FOR WOMEN

All Styles \$3.50.

Simons Dry Goods Co.

GIVES SPECIAL ATTENTION TO STUDENTS OF M. A. C.

SPECIAL VALUES

IN SEPTEMBER

...ON...

Carpets, Rugs, Mattings, Curtains, etc.

A large line of....

ROOM FURNISHINGS, COMFORTABLES, BLANKETS, SHEETS, PILLOW CASES, etc.

THREE FLOORS } 1st—Dry Goods,
2d—Cloaks, Linens, etc.
3d—Carpets and Draperies
ELEVATOR.

News From Graduates and Former Students.

J. G. Veldhuis '95 practices medicine at Fort Benton, Mont.

John Arnold with '02 called on college friends Saturday.

Albert Briggs is the ten days old son of Mr. and Mrs. L. J. Briggs '93.

Frank J. Annis '75 is county attorney, Larimer county, Colorado.

Charles S. Ingersoll '75 is city attorney at Pond Creek, Oklahoma.

O. H. Pagelsen '93 is a physician in Cook Co. Hospital, Chicago.

F. P. Normington '95 travels for the Home Library Co. Address, Ionia, Mich.

Victor H. Lowe '91 has gone to Chicago University to spend six months in study.

Charles A. Gower, Jr., '98m left for New York Wednesday to enter Columbia college.

G. H. Frace '95 is practicing medicine in Grand Rapids—office at 123 Porter Block.

H. Arnold White '92, district agent, Michigan Mutual Life Insurance Co., Muskegon.

Steven P. Tracy '76 is surgeon for the State Soldiers' and Sailors' Home at Milford, Nebraska.

Ralph S. Hastings with '01, Traverse City, spent Friday night with Prof. and Mrs. Holdsworth.

S. F. Scott '94 is book-keeper in the folding department, House of Representatives, Washington, D. C.

W. F. Wight '94 has been elected assistant in the department of botany in Leland Stanford Jr. University.

J. W. Perrigo '94m is draftsman for the Barnett & Record Co., grain elevator builders, Minneapolis, Minn.

W. L. Harvey '93 is secretary and treasurer of the New Prague Flouring Mill Co., New Prague, Minn.

H. R. Allen '95 is cashier of the Pioneer Fuel Co., Merriam Park, Minn. Address, 422 Marshall Ave., St. Paul.

W. J. Goodenough '95m is now chief engine draftsman in the marine department of the Maryland Steel Co., at Sparrows Point, Md.

G. A. Royce '75, clerk of Arcadian Mine, Houghton Co., Mich., writes: "Have four fine boys and hope to send at least one to M. A. C."

Samuel P. Orth with '94 was married August 17 to Miss Jane Davis, Youngstown, Ohio. At home after October 1 at "The Oaks," Perkins St., Akron, Ohio.

M. H. Lapham '99 received from the U. S. department of agriculture last Monday his commission as "Scientific Aid" in the division of soils, and left Thursday for Washington, to assume his duties. He will be under L. J. Briggs '93, who is first assistant to Chief Whitney.

Cards are out announcing the coming marriage of Miss Emeline Churchill with '96, to Ernest Noyes Thayer '93. The wedding will occur at the home of the bride's parents in Three Oaks, October 11, and the young people will be at home after the first of November at 26 Stanley Terrace, Chicago.

Two M. A. C. Men in the Philippines.

A letter from John P. Finley '73, dated Manila, August 24, has just reached us. Mr. Finley is captain of the 9th U. S. Infantry, now serving in the Philippines, and writes: "Even the briefest note from the States is most acceptable. Glad to hear from the old college, whose associations are ever dear to me."

We also have a note from our first commandant of cadets, now Captain J. A. Lockwood, of the 4th Cavalry, at present in the service of the U. S. at Manila.

When summer time was ended, and
She packed her trunks again,
It took two heavy baggage trucks
To haul them to the train.
But when she found her bathing suit
Still hanging on a nail,
She put it in an envelope
And sent it home by mail.

—Ex.

A goat one fine day ate a poster girl gay
And the billy's digestion grew bad;
But, most strange to relate, he was cured
when he ate
A bit of dyspepsia cure "ad."
—Catholic Standard and Times.

"There's a diamond in the rough," said the policeman, as the burglar swallowed the stone.—Tale Record.

Why Not ?

Don't you think it pays to buy your Drugs at Cut Rates? You save money and the increased volume of business pays us.

TRY IT.

ALSDORF & SON,

CUT RATE DRUGGISTS and
PHOTOGRAPHIC SUPPLIES

CHAS. A. PIELLA,

DEALER IN

DIAMONDS, WATCHES, JEWELRY,
Clocks, Silverware, Art Goods.

121 Washington Ave. N., LANSING, MICH.

Employes of M. A. C.

Desiring to build should
not purchase their material before
consulting with

Hiram Rikerd,
Lansing, Mich.

Lumber of all kinds.
Interior Finishing a specialty.

PRICES RIGHT.

Office and Factory, Mill St.
Both Phones.

Davis Clothing Co.

103 Washington Ave. S.

COME ON BOYS—

We have all the latest up-to-date styles and patterns in

CLOTHING, FURNISHING GOODS AND HATS.

We also keep Sweaters, Supporters, Foot Ball Pants and Jackets.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. WE ARE ONE PRICE.

WE SELL FOR CASH ONLY.

DAVIS CLOTHING CO.

BICYCLE and ELECTRICAL SUPPLIES.

Also the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

Capitol Electric Engineering Co.

321 Washington Ave. S.

ALL MEATS....

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

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTER.

Washington Ave. South.

DRY GOODS.

SIMONS DRY GOODS COMPANY.—Dry Goods and Carpets. See ad.

FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture, Cor. Washington Avenue and Ionia Street. See ad.

GROCERS.

R. B. SHANK & CO., 200 Washington Ave. S. The leading grocers. Both phones. Daily delivery to the college.

HACK AND BAGGAGE LINES.

M. A. C. STUDENTS—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. 300 Capitol Ave. S. Both Phones.

HARDWARE, STOVES AND TINWARE.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

HOTELS.

THE NEW GRAND—R. M. Renner, Proprietor. Special rates to students. Washington Avenue S.

INSURANCE.

THE DYER-JENISON BARRY CO., LTD., (Incorporated) 108 Mich. Ave. West. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

B. P. RICHMOND—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue N.

LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY, College agents, C. H. Hilton, 97 Wells; Irving Gingrich, 47 Williams. S. P. Lantz, Prop.

LUMBER DEALERS.

H. W. RIKERD.—Lumber Dealer. Mill Street. See ad.

MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. Fine Tailoring. 218 Washington Avenue N.

OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. City National Bank Building, Lansing.

PHYSICIANS.

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

RESTAURANTS.

GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for ladies. 113 Wash. Ave. S.

DIRECTORY

LANSING BUSINESS and
PROFESSIONAL MEN

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

BARBERS.

J. H. WOOD—Barber. 106 Michigan Avenue E. College work especially solicited.

BOOKS AND STATIONERY.

LANSING BOOK AND PAPER CO. Waterman and Sterling Fountain Pens, Stationery, Pictures, Frames, Wall Paper. 120 Wash. Ave. N.

CITY BOOK STORE. Fountain Pens, Drafting Tools, Stationery, Cards Engraved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

BOOTS AND SHOES.

C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

BICYCLES.

GEO. H. RICHMOND, Pierce Cycles. Full line of sundries. Repairing and renting at reasonable rates. 200 N. Washington Ave.

CLOTHING.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

A. E. DAVIS.—Clothing and Gentlemen's Furnishings. See ad.

CROCKERY AND GLASSWARE.

H. H. LARNED.—China, Glass and Lamps. 105 Washington Ave. S.

DENTISTS.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

D. R. DAWLEY, M. D., D. D. S. Office over Postal Telegraph Co., Michigan and Washington aves.

DEPARTMENT STORE.

MONSIEUR'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c.

DRUGGISTS.

ALSDORF & SON—The Druggists. Two stores, 102 Washington Ave. N., 335 Washington Ave. S. See ad.

C. J. ROUSER—Capital Drug Store. 123 Washington Avenue South.