

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 8.

LANSING, MICHIGAN, TUESDAY, NOV. 25, 1902.

NO. 11

NOTICE.

The Second Annual Supper of the Grand Rapids M. A. C. Association will occur Friday Eve., Dec. 5th, in the parlors of the Park Congregational Church at seven o'clock. Will you not come and renew old friendships and form new ones? Bring your wife or friend. Please notify the Secretary by card, or 'phone Citizens 1088.

Plate 50 cts.

DR. J. B. GRISWOLD, Pres.

MARIAN WEED, Sec.

239 Paris Ave.

Oyster supper and auction sale at L. F. Jenison's, Friday evening, Nov. 28th. Mrs. Jenison's Sunday School class will have an auction sale of young ladies and an oyster supper after the auction sale at 7:30. Supper 10c., all invited. Proceeds go for the Sunday School Christmas tree.

Meeting of all RECORD editors Saturday morning, 7:30, College Hall.

ALMA DEFEATS M. A. C.

Alma defeated M. A. C. Saturday by superior all-around playing. A cold wind was blowing from the west and the team having the east goal was at a decided disadvantage. The M. A. C. team was first on the field, followed a few minutes later by Alma.

At 2:25 referee Simms blew the whistle and Alma, having won the toss, took the west goal and kicked off with the wind. The ball rolled down the field and M. A. C. secured it near her fifteen-yard line, making a short return. M. A. C. made a few short gains and Alma took the oval on downs. In two trials Alma made three yards and then lost three. It was the third down and McBride went back for a place kick from the twenty-yard line, which was successful. This was when the game was but four minutes old.

M. A. C. then took the west goal and Childs kicked off to Alma's five-yard line. Alma returned eight. Alma made one, one and a half and three yards through M. A. C. and then lost ground. On the next play Alma was penalized five yards for offside play. Alma punted thirty-four yards and D. Childs who caught the punt was tackled with no gain. M. A. C. was given five yards for offside play. A few short gains were made through Alma's line and H. Childs dropped back to Alma's forty-three-yard line for a place kick. The ball went squarely over the bar and was one of the finest exhibitions of place kicking seen at M. A. C. in many a day.

Alma kicked off from the center of the field twenty-five yards and D. Childs made a beautiful return of fifteen yards. M. A. C. made two, two and a half, and one and a half yards respectively and then fumbled, Strand, however, securing the ball. M. A. C. made three, one, two and one yard respectively, and Alma took the ball on downs near the center of the field. M. A. C. was penalized five yards in the first

scrimmage. Alma made gains of two, eight and three yards, and then was penalized five. Failing to make much headway in three attempts Alma punted over the goal line.

H. Childs in the second attempt punted out of bounds at the M. A. C. thirty-five yard line. Alma made steady gains toward their opponents' goal, an end run netting fifteen yards and placing the ball on M. A. C.'s one-yard line. On the next play Fuller made the first touchdown of the game, but the attempt at goal failed.

M. A. C. kicked off twenty-five yards and Alma could not return an inch. Alma made three yds. through the line and then no gain. M. A. C. was penalized five yards but Alma could not make consistent gains.

M. A. C. took the ball on her own forty-yard line and after short gains attempted to punt, the ball, however, failed to get away. The ball changed hands several times in the region of M. A. C.'s forty-yard line. M. A. C. finally punting forty-five yards. Alma made a short return and M. A. C. soon secured the ball in Alma territory. An attempt at place-kick by Childs was blocked by Alma and the half ended with the score ten to five in favor of the visitors.

The second half began at 3:25, M. A. C. kicking off against the wind thirty-five yards. Alma made a total of eight yards and then punted thirty-yards. Burrington secured the ball for M. A. C. and wriggled away from three tacklers for a return of ten-yards. On M. A. C.'s forty-yard line, Alma took the ball on downs.

Childs punted forty-yards and Alma returned fifteen. Alma in turn was forced to punt in an exchange of punts. Alma punted over the line. M. A. C. punted out from its twenty-five-yard line and Alma took the ball down the field for a touchdown and goal.

M. A. C. kicked off forty-five yards and Alma returned ten. On M. A. C.'s forty-yard line Alma fumbled and Cortright got the ball. Peters made a good plunge of ten yards on a fake kick and Childs went four. M. A. C. fumbled but H. Childs got the ball, and on the next play punted forty yards. Alma made consistent gains for a total of thirty-nine yards, and then was forced to punt. At this juncture, Peters was hurt in his lame shoulder and in his hip and Agnew took his place.

D. Childs secured Alma's punt no M. A. C.'s five-yard line. Childs sent the ball fifty-five yards down the south side line, and Alma returned fifteen placing the ball on M. A. C.'s forty-five yard line. Alma soon punted and M. A. C. punted in return. Alma could not gain and M. A. C. blocked the attempt to punt. The game was nearly over and both sides resorted to frequent punting. Toward the end of the half Burrington was replaced by Swales. The game ended with the ball near the center of the field. Score, Alma 16, M. A. C. 5.

The attendance was very satisfactory, for besides the large home crowd, Alma sent down over a hundred rooters. The M. A. C. crowd took the south side of the field and Alma the north. The rooters on both sides cheered the respective teams with yells and songs adapted especially for the occasion.

Alma clearly played better ball than M. A. C. except in the kicking department. M. A. C. feels very much the loss of Smith at half, though desiring to take no credit from Alma for her victory. Alma now claims the college championship of Michigan though this will be disputed by some of the other college teams, who consider that the title is not clear.

The line up:

M. A. C.	ALMA.
Cortright	Whitney
Kratz	Hurst
Meek	Bangs
Decker	Angel
Turner	Beechler
Bell	Brown
Burrington }	Hewitt
Swales }	
D. Childs	Helmer
Peters	Fuller (Capt.)
Agnew	Dunning
Strand	Anderson
H. Childs	MacBride
Drop-kick for goal—MacBride, H. Childs—Goal. Touchdowns, MacBride, Fuller. Referee, Simms, U. of M. Umpire, Fishleigh, U. of M. Linemen, Swales and Phillips for M. A. C., Burntel and Shines for Alma. Timekeeper, Reynolds, M. A. C. Time of halves, thirty-five minutes each.	

Y. M. C. A. NEWS.

Thursday evening prayer was conducted by E. F. Smith. Subject: "A Noble Purpose." "Daniel purposed in his heart that he would not defile himself with the portion of the king's meat and drink." If the young men and women of our fair country would only become Daniel-like in their determination not to defile themselves with the mean, low, unholy, impure things of this world, our country would shine like the bright and morning star in his beauty.

Sunday morning chapel services were conducted by Dr. W. G. Hubbard. Theme, "Universal Peace." The principles which Jesus taught two thousand years ago have just begun to demand a world-wide recognition, and the World's Conference at the Hague is the first practical outgrowth of that great lesson Jesus taught on the Judean mountain so many years ago, let us have peace, that peace which the world cannot give.

The Sunday evening meeting of the Y. W. and Y. M. C. A. was conducted by Prof. J. A. Jeffery. Theme, "The debt we owe Jesus Christ, and how we may best discharge that debt." It is our duty to show our appreciation of our privileges and blessings by an earnest desire to help others or be of service and to keep ourselves unspotted from the world.

The University of Chicago confers more Ph. D's than any other institution.

ALUMNI.

'86. Through the courtesy of Professor L. H. Bailey, '86, Cornell University, the library has received a copy of Vol. 1, No. 1 of *Country Life in America*. Our file of this publication is now complete.

'87. I. DeWitt McLouth, nephew of Dr. Beal and pastor of the M. E. church at Samaria, attended the Sunday school convention in Lansing last week, and visited the college.

With '95. Dan G. Smith was married recently to Miss Dana Webster. They will reside on Mr. Smith's farm in Portland.

'98. David J. Hale was married Sept. 27 to Miss May Goodall, of St. Joseph. He has resigned his position as mail carrier in St. Joseph, and has entered on a three years' medical course at Johns Hopkins.

With '99. Mr. A. E. Carlisle paid Lansing and M. A. C. a visit recently.

'00. Mr. Eugene Price, with '00, and W. T. Parks, '00, were on the grounds recently, looking up the addresses of all the class of '00 in view of getting out a good representation to the next triennial reunion.

'01. George Severance writes as follows: I am enjoying my work here first rate thus far. I have a nice class of forty in Principles of Agriculture. Three of them are girls. The class all seem to take hold and show considerable interest and that is what makes it interesting for me.

'01m. Cards are out announcing the marriage of Miss Blanche L. Williams to Mr. J. G. Aldrich, '01m, at Edwardsburg, Michigan, on Thursday, October 13.

'01. While in Pullman, Wash., last summer Gordon Tower, '01, spent some time with Geo. Severance, '01. The latter is nicely located, and had for a few weeks this year full charge of the farm department at the Washington Agricultural College.

'02. Mr. and Mrs. Charles Tanner announce the marriage of their daughter, Clara Catherine, to Albert George Craig, Wednesday, October 22, 1902, Detroit, Mich. At home after Nov. 10th. 241 Adelaide St., Detroit.

'02. E. R. Bennett, who has been doing some nursery inspection work in this State has secured a position as assistant in horticulture in the Connecticut Agricultural College located at Storrs, Conn. The position is considered a very desirable one.

The voters at the college had the pleasure of giving their ballots to several M. A. C. graduates: C. M. Krentel, A. B. Cook, Judge Carpenter and E. A. Calkins being among the number. Many M. A. C. graduates were elected in different parts of the state.

THE M. A. C. RECORD.

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

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M. P. WILLET, *sp.*

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

TUESDAY, NOV. 25, 1902.

A GUITAR and mandolin club has been organized at M. A. C. for several weeks. It hardly need to be said that an organization of this kind should be encouraged; for wherever one's time is so fully taken up with regular work, as is the case at M. A. C., the need for relaxation is great. A guitar and mandolin club affords a legitimate and pleasant means for this relaxation.

Now that a mandolin club has been organized, a glee club might with profit be gotten under way. There are many fine voices in College and competent instruction is to be had for the asking. It is the various college clubs and societies, and especially the musical organizations, that give tone to college life, there being no pun on the word tone.

The Columbia University glee and mandolin clubs will spend the Christmas vacation touring Canada. The eastern universities send their clubs west every year. Many of the small colleges of the country have creditable musical clubs, surely M. A. C. could make a worthy showing. Concerts in near-by towns might be given at least and a home entertainment would be appreciated.

ALUMNI.

'00. Harriette Robson has been appointed director of the recently established course in domestic science in the Thomas Normal Training School in Detroit. Notwithstanding her new duties Miss Robson retains her position in the public schools of that city.

'00. Bertha Malone is teaching in New Ulm, Minn.

'00m. Mr. Harry Rupert is now in the employ of the Elgin National Watch Company, Elgin, Ill. Address: National House.

'01. S. J. Kennedy is with H. E. Hooker, 117 Washington St., Chicago, Ill. He is making designs for advertisements and also attending an art school in the evening.

'02m. H. S. Kneeland is at his home in Traverse City.

'02m. George W. Stroebe is with the Sterling Boiler Company, at Barberton, Ohio. He writes that he finds his work pleasant and profitable.

'02m. Mr. Frank G. Carpenter is now with Swift & Company at St. Joseph, Mo. Address, 1825 Charles street.

With '02. C. P. Reynolds, who until recently has been associate editor of the *Chicago Daily Drovers' Journal* is now agricultural editor of that publication. His address is 4220 Calumet ave., Chicago.

SENIOR DINNERS.

The senior class in cookery are beginning their practice work in dinner giving. A course dinner prepared for four people at a cost of one dollar is arranged by each member of the class. An accurate dietary is worked out so that the work is scientific, practical, economic, and social in its nature.

The first of the series was given Wednesday evening, Nov. 19th, by Miss Buskirk, to Prof. and Mrs. W. O. Hedrick and Mrs. H. F. Buskirk of Wayland. The color scheme was red and green and the decorations consisted of maiden hair fern and red flowers arranged on the table in the form of a lover's knot. Miss Lawrence acted as waitress and the following menu was served:

Cream of Celery
Bread Sticks
Roast Chicken Giblet Gravy
Potato Croquettes
Stuffed Onions Rolls
Cranberry Sherbet
Waldorf Salad Cheese Straws
Cream Cups
Coffee.

The second of the Senior dinners in the Domestic Science Department was given last Friday at five o'clock by Miss Bemis.

MENU.
Chicken Consomme
Crotons
Fish Souffle Brown Bread
Beef Loaf Farina Balls
Baked Potatoes in Half Shell
Brown Gravy Apple Jelly
Macaroni Timbales
Welsh Rarebit
Tomato Jelly Wafers
Maple Parfait
Angel Food
Cafe Noir

Miss Wright was the waitress, and the decorations were violets and maiden hair fern. The guests were Professor and Mrs. U. P. Hedrick and Miss Lyford.

WOMEN'S BASKETBALL PRACTICE.

The young women have started in on basketball practice with greater interest than ever before. At a recent meeting Miss Norma Searing was elected captain of the first team. A captain for second team will be chosen soon and girls assigned to such places on the teams as they seem most competent to fill.

We are fortunate in having among the new girls several who have played the game previous to coming here and from the present spirit manifested will doubtless have some good class teams, between whom a schedule of games can be arranged to be played sometime later in the year. It is hoped that at least three outside games can be played, two of

which—Ypsilanti and Flint—now seem assured. Lack of time for practice is the most serious drawback. The girls have a most excellent coach in Mr. Balbach whose service so cheerfully given is much appreciated. Visitors are always welcome in the gallery of the Women's Gymnasium during the hours of practice from five to six Thursday afternoons and from eleven to twelve Saturday morning.

PICTURES IN THE WOMEN'S BUILDING.

There have been hung recently in the Women's Building some ten or twelve new pictures, exemplifying the various methods of reproduction, as well as the different styles of architecture. Indeed, the entrance corridor is now a veritable "Hall of Architecture," including the classic Greek Parthenon and the Roman Colosseum, the Norman, the Moorish, the Gothic, down to the modern Roman and modern Greek, as shown in the fine carbons of our capitol at Washington and the English Parliament houses re-

spectively. Attention should be called especially to the large colored photograph of St. Mark's cathedral at Venice.

A photogravure of the classic painting, "A Reading from Homer," by Mr. Alma Tadema, and a Haller print of Watt's "Sir Galahad," illustrate the modern school of painters, while two Rembrandts, "The Syndics" and a portrait of himself show the "Master of Shadows" at his best.

The mounting and framing of these pictures, the work of Mr. H. Merton Clark, contributes not a little to their effectiveness.

Representatives from the universities of Washington, Montana, Oregon, Idaho, Washington Agricultural College, and School of Science, Montana State College of Agriculture and Mechanical Arts, Oregon Agricultural College, Whitman College and Pacific College, met at Spokane on October 11 and formed an inter-collegiate athletic association to be known as the Northwestern Inter-collegiate Association.—*Ex.*

FARMERS' INSTITUTES FOR DECEMBER.

The following list of institutes for December has been arranged by Prof. Taft. It is thought that their publication will be of interest to many M. A. C. men, old and new.

ONE-DAY INSTITUTES.

COUNTY.	PLACE.	DATE.	PLACE.	DATE.
Eaton	Potterville	Dec. 2	Vermontville	Dec. 3
"	Brookfield	" 4	Olivet	" 5
Benzie	Lake Ann	" 2	Benzonia	" 3
"	Frankfort	" 4		
Osceola	Hersey	" 5		
Midland	Laporte	" 2	Posyville	" 3
"	Edenville	" 4		
Saginaw	Birch Run	" 15	Spaulding	" 16
"	Freeland	" 17-18	Hemlock City	" 19
Mason	Scottville	" 16	Summit	" 17
Mecosta	Barryton	" 19	Sylvester	" 20
Monroe	Monroe	" 18	Whiteford	" 19
Berrien	Three Oaks	" 16-17		
Clinton	St. Johns	" 16	Duplain	" 17
"	Maple Rapids	" 18		
Emmet	Bliss	" 11	Epsilon	" 12
Isabella	Herrick	" 9		
Grand Traverse	Whitewater	" 16	Neal	" 17
"	Keswick	" 18	Mapleton	" 19
Antrim	Milton Center	" 16	Ellsworth	" 17
"	Bellaire	" 18		

TWO-DAY INSTITUTES.

COUNTY.	PLACE.	DATE.
Lake	Chase	December 1-2
Kalkaska	Kalkaska	" 3-4
Wexford	Manton	" 5-6
Crawford	Grayling	" 2-3
Otsego	Gaylord	" 4-5
Presque Isle	Millersburg	" 8-9
Cheboygan	Cheboygan	" 15-16
Charlevoix	Charlevoix	" 17-18
Emmet	Harbor Springs	" 19-20

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ABOUT THE CAMPUS.

Some new football songs were sung at the Alma game.

W. J. Wright, '04, received a visit over Sunday from his father and mother.

Now that the football season is almost over, basketball will come in for the attention of all.

Some ludicrous things appeared in the campus column last week as a result of holding over material from the preceding week.

Several of the eastern college papers announce that hard coal has been received for college use. No hard coal has been received at M. A. C., however.

College exercises will continue all the week with the exception of Thanksgiving Day. All students, however, who wish to spend the day away from the College will be excused from classes Friday.

The new brick store across the road from the hospital is being put up as fast as possible and the determination seems to be to make marked improvements on the Angell addition. Mr. Angell has also nearly completed his private water works system.

A year ago last summer Winifred Robinson, teacher of botany in Vassar College spent two or three hours in our botanic garden. She asked many questions and took notes. She is now starting a garden at Vassar and as an aid for the undertaking sends a list of shrubs, aquatics, vines, etc. to Dr. Beal, asking for criticism.

Prof. and Mrs. C. D. Smith went to Grand Rapids last week on the Grange excursion.

Half-back Smith put out his elbow in football practice last week and will not be in the game again this season.

Some of the less valuable timber in No. 17 is being cut out, the work being a continuation of the work begun last year.

The Hesperian society entertained their friends at an eleven o'clock dance last Friday evening, Mr. and Mrs. Gunson acting as chaperones.

The seniors beat the juniors Saturday afternoon just preceding the Alma-M. A. C. game by the score of 18 to 5. Cooper was hurt during the contest and had to be replaced.

Prof. Bogue has some new office fixtures, which are a great addition. Prof. Bogue is collecting forestry specimens, wherever they can be obtained, for permanent use.

Dr. L. H. Jones, Pres. Normal College, Ypsilanti, T. C. Graun, Principal of Central Normal School, Mt. Pleasant, (sp) '89-'90, D. B. Waldo, '81-'83, Principal of the Northern Normal School, Marquette, spent one day last week at the College.

There is a strong sentiment at the College in favor of organizing a cross-country club. Such an organization has never been effected here, but now a goodly number of enthusiasts are agitating the matter and such a club will probably be a certainty in the near future.

The Eclectic society gave a formal hop to its lady friends in the society room in Williams Hall Saturday evening.

The men's basket ball practice has begun and another good team this year may be looked for. J. P. Haftenkamp is captain of this year's team.

The transfer of the Michigan-Minnesota game from Detroit to Ann Arbor will doubtless knock in the head the proposed excursion to Detroit from Lansing and thus draw a larger crowd than could have been expected otherwise to the M. A. C.-Beloit game.

At the meeting of the Tau Beta Pi fraternity last Thursday evening a very able paper, on the development of the electric railway, was read by Mr. Garthe, after which an informal discussion took place.

The electric railway is becoming one of the most important economic factors of the day. Its growth has been phenomenal. For short distance traffic its superiority is unquestioned, and it is fast becoming a strong competitor of steam for longer distances.

Modern practice dictates the use of high tension polyphase transmission with sub-stations for converting into direct current for the car motors. The Washington, Baltimore, and Annapolis railway which is under construction is to use single phase alternating current directly in the car motors, and if this move be successful it will undoubtedly give another great impetus to electric railroading.

Miss Buskirk received a visit from her mother in time to entertain her at the Senior dinner she gave last week.

This is the way the Olivet correspondent for the *Free Press* regarded the football situation before the Alma-M. A. C. game. "The Olivet football team returned from Alma last Saturday in good spirit, though they had been defeated. Olivet's defeat puts the claim for the championship in a muddle. Up to that game she was the only undefeated team in the intercollegiate. As it now stands, Olivet, Alma and M. A. C. have one defeat apiece. The result of the M. A. C.-Alma game can have little effect in deciding the claim. Should M. A. C. win, the former could not get around their Olivet defeat. Should Alma win, Albion could be heard from as she decisively defeated Alma.

In recent times an important part of the education of students in agriculture is to learn to investigate prominent plant diseases in very great variety. These diseases are mostly produced by fungi, most of which are parasitic. Some of these work on cultivated plants and are injurious. Others work on weeds and are beneficial to the farmer. The last report of the botanical department shows that we have 13,200 of these plants. Recently there has been purchased 1,700 more fungi columbiani. Most of these specimens consist merely of an affected leaf or two done up in a little folder somewhat like an envelope, costing from six to eight cents apiece.



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ATHLETIC NOTES.

Two mass meetings were held during the week to arouse enthusiasm and learn songs for the Alma game. They were fairly well attended and some good songs obtained which should not be forgotten. Unfortunately the high wind at the game damaged their effectiveness considerably.

Owing to the condition of the team only light practice was indulged in during the greater part of the week. On Wednesday night, however, the senior team bucked the first team and gave them some hard work. One of the mishaps during this practice was the dislocation of Smith's elbow.

DEBATING CLUB.

At the Debating Club Thursday evening, the subject, "Resolved, That government ownership and operation of railroads in the United States is desirable," was again debated.

The affirmative speakers were Mr. Hogansen, Prof. W. O. Hedrick and H. S. Severance. The negative, Messrs. Morbeck, J. W. Nelson and Moore.

The judges decided in favor of negative.

SINK HOLES ON THE GRAND TRUNK R. R.

In view of the interest which many of the students have taken in the sink holes in the vicinity of Haslett Park, a few words concerning their formation may not be out of place.

These holes are not caused by underground streams, as some suppose, but by underground lakes, which during the course of time have become covered with a crust or surface layer composed principally of vegetable matter, which has grown out from the sides until the entire surface has become covered with a layer from six to eight feet thick.

To secure a foundation for a railroad track, when this surface has once been broken, it is necessary to place a sufficient amount of material in the hole to form an embankment extending to the bottom. Since dirt dumped into water forms a pile with very flat side slopes, it takes a great deal more material to form an embankment under such conditions than it would in air.

One noticeable feature of the hole west of Haslett Park is that the material placed in the hole has formed a wedge on either side, between the surface crust and the bottom of the lake, which has lifted the surface for some distance. The depth of this sink hole is about 38 feet.

MENDEL'S PRINCIPLES OF HEREDITY.

The Seniors in horticulture are beginning the study of Bateson's translation of Gregor Mendel's paper on the above subject. The book is a recent one, published in London, and is one of the chief biological works of the year. It should make valuable reading to all who are interested in plant or animal breeding.

The book is an account of eight years' systematic hybridization concentrated on the garden Peas, the results of which were such that

Mendel formulated a proposition now known as the Mendelian Law. The law, and the deductions from it, are complex and contain a number of new terms, to define which and to state the law would require more space than is here available. A brief statement of Mendel's main principle is that in hybrids the ovule cells and pollen cells do not contain a heterogeneous mixture of potencies, as was formerly supposed, but throughout retain their individuality, and combine with each other along well defined lines which are well laid down by the author.

The praises for the book are loud and numerous. One critic says: "The thanks of the world are due to him (Mendel) for the masterly way in which he has proved the existence of a defined law where hitherto all seemed chaos." His translator writes thus: "Soon every science that deals with animals and plants will be teeming with discovery, made possible by Mendel's work. The breeder, whether of plants or animals, no longer trudging in the old paths of tradition, will be second only to the chemist in resource and in foresight. Each conception of life in which heredity bears a part—and which of them is exempt?—must change before the coming rush of facts."

U. P. H.

EXCHANGES.

The glee and mandolin clubs of Columbia University are planning to take a two weeks' trip through Canada during the Christmas holidays.—*Ex.*

The only woman's college in western Asia and southeastern Europe is the American College for Women in Constantinople. It was founded in 1871.—*Ex.*

The University of Michigan *News-Letter* appears in a new form this year.

The *Beloit Round Table* is one of the new exchanges that has been secured. As M. A. C. has a football game with Beloit this year the paper should prove interesting.

The University of Minnesota basketball team is to take a trip east this year.

One of the professors of chemistry in the University of Mississippi is a Japanese.—*Ex.*

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