

The M. A. C. RECORD.

MICHIGAN AGRICULTURAL COLLEGE.

VOL. 18.

EAST LANSING, MICHIGAN, TUESDAY, NOVEMBER 5, 1912.

No. 7

THE GRAND RAPIDS MEETING

The Michigan State Teachers' Association, held in Grand Rapids last week, is said to have been one of the best organized and most successful ever held.

Practically every institution held a home-coming and banquet, and M. A. C. was as usual in line.

The company, consisting of some seventy members, assembled at the St. Mark's parish at five o'clock on Thursday evening, where a most enjoyable half hour was spent in hand-shaking and becoming acquainted.

Following this, the party moved to the banquet hall of St. Mark's, where the ladies of the Episcopal church had prepared a sumptuous feast.

Prof. Kedzie presided as toastmaster in his usual happy manner, and introduced the speakers with appropriate story or college reminiscence.

Hon. Chas. W. Garfield, '70, responded to the toast, "The Influence of M. A. C."

It was a toast such as only Mr. Garfield can give, and one which led those present to even a higher regard for the institution than ever before.

Hon. R. D. Graham, president of the State Board, then spoke interestingly on "The Needs of M. A. C." He gave a short sketch of the development of the institution, and the present great financial need. He then spoke of the outlook for future and of the possibilities in store for M. A. C.

Miss Edna McNaughton, '11, spoke on "The Teacher of Domestic Science," and was followed by Miss Philena Smith, '12, of Mt. Pleasant, on the subject, "Reflections of a Recent Graduate." Both young women proved themselves equal to the occasion, and their talks were enthusiastically received.

A. J. Hutchins, '09, spoke interestingly as "A Teacher of Agriculture."

President Snyder then responded to a call from the toastmaster and was followed by President Chas. McKenny, '81, of Ypsilanti Normal, who gave an interesting account of his experiences at M. A. C., and congratulated the institution upon its rapid growth and development.

Among the M. A. C. people present were: J. E. Hammond, '86; Wm. Lighthody, '89, of Detroit; B. W. Peet, '92, of Ypsilanti; J. E. Coulter, '82, and wife, of Grand Rapids; E. E. Gallup, of Adrian; Prof. E. J. MacEwen, now of Kalamazoo; J. W. Matthews, '85, of Detroit; M. A. Cobb, '08, of Mt. Pleasant; Gordon Dudley, '07, of Grand Rapids; Coral Havens, Detroit; and Henry Hornbeck, '04, Grand Rapids.

Members of the faculty present were: Pres. Snyder, Prof. Kedzie, Prof. French, Dean Shaw, and Prof. Hunt.

The occasion was a most enjoyable one, as well as one of the most successful.

WISCONSIN MOURNS DR. DANIELLS.

Graduated at M. A. C. in 1864, and has been with the University of Wisconsin 40 years.

Dr. W. W. Daniells, of the class of '64, and for nearly forty years head of the department of chemistry in the University of Wisconsin, died at the home of his son, in Toledo, O., on October 12.

We quote from the *Alumni News* (Wis.) as follows:

"Prof. Daniells was born at West Bloomfield, Mich., March 10, 1840. His early education was obtained in the schools of Detroit and Wacousta, Mich., and at a private academy in Lansing. In 1860 he entered the Michigan Agricultural College, and graduated in 1864 with the degree of bachelor of science. For two years thereafter he was assistant to the professor of chemistry in that institution. Prof. Daniells spent a portion of the year 1866 and the two following years in the chemistry laboratory of the Lawrence scientific school of Harvard University, then a special training school for chemists, under the instruction of Dr. Walcott Gibbs.

"In February, 1868, Prof. Daniells was elected to the professorship of agriculture in the University. In 1869 analytical chemistry was also included in his department, and in 1875 his chair was changed to chemistry and agriculture. It was given increased prominence, and after 1880 his professorship included only chemistry. Prior to 1868, science teaching in the university had been only lecture room instruction, but Prof. Daniells immediately planned to secure a chemical laboratory, and the only available place was the basement of the south wing of University Hall. During the spring of 1868, he gave laboratory instructions in chemistry daily to a single student, using an old carpenter's work bench for a laboratory table in a room which was literally a cellar with a hard floor. The building up of the department of chemistry to its present advanced position was Professor Daniells' successful work in the University."

By Prof. Jeffery:

"Almost forty years is a long time—the span of usefulness in even a *long* life—to be connected prominently with a great institution of learning and with a great state, and to be a potent factor in the development of each. This is a great record, one that does great credit to the man and to his alma mater—M. A. C.

"The greatest thing in this record, however, was the man himself. I imagine few students who did work under Dr. Daniells ever forgot the man, or ever escaped wholly the dignifying and elevating influence that emanated from him. There are impressions that abide permanently with us.

"As a student under the doctor I was impressed by the quiet dignity of the man, the positiveness of his

knowledge, and the honesty and conscientiousness with which he served the student, the institution, and the state.

"Later, as a young man attempting to do research work in a difficult and little known field, I had frequent occasion to seek advice, and sometimes consolation from the doctor and there was never stint of either.

"I think, however, that it was in the relation of friend, pure and simple, that we got into most pleasing touch with him. It was in this relation that one came to know the great heart, the tender sympathy, and the wholesome desire to help which were a part of Dr. Daniells."

THE UPPER PENINSULA DEMONSTRATION TRAIN.

Through a mistake in shipping orders, our train left the College nearly a week before scheduled time, and owing to complications in railroad law, it was impossible for the exhibit coaches to be hauled to the Straits on the Pullman train, as was supposed, so Mr. Raven and I, being in charge of the stock, spent two very pleasant nights trying to quiet little Emily, the 728 pound Yorkshire, and the Aberdeen Angus heifer, who would insist on snoring too loudly for our peaceful slumbers, or were bent on breaking through the partitions of their stalls.

Our train was equipped with six head of cattle from the College, and a Holstein cow taken on board at Newberry which belonged to the asylum herd, and was in charge of Mr. McCracken for the trip, five hogs of as many breeds, eight sheep and thirty chickens, in addition to one coach which contained exhibits of grain, vegetables, fruit and farm implements.

On arrival at St. Ignace, our train was decorated externally with the yellow and blue colors of our state, and M. A. C. banners and pennants. The interior of the coaches were covered with red, white and blue bunting, which set off to advantage the various photographic exhibits, charts and other appliances used for the demonstration.

The trip was most enjoyable, and at various points we met M. A. C. alumni and friends who seemed extremely happy in the northern conditions, and who also seemed glad to visit the "College on Wheels." At the "Soo" we met Dorothy Brown and Helen Dodge, who visited the cars, and also attended the evening meeting at the city hall, and Mr. Carter, who is teaching in one of the agricultural schools near the city. At Marquette we met Mable McCurdy, who reported she expects to return to M. A. C. next spring, and it was our pleasure to accompany Mr. Hillyer (class of 1891), in his automobile from Marquette to Negaunee, having opportunity to view both cities and enjoy a change from the routine of train travel. At Houghton we were

(Continued on page 4.)

ALUMNI

'03.

F. O. Foster, for several years instructor in dairying at M. A. C., now with the Polk Sanitary Milk Co., has had published an eight-page bulletin on the necessity of proper handling and care of milk. It is aptly styled "Clean and Cold," and is a reminder to producers that it is sometimes many hours before the product reaches the consumer, and, together with illustrations and argument, seeks to better conditions in connection with this important food.

'09.

Harry Kempster, in charge of the poultry work at Missouri, writes as follows:

"I am enclosing subscription for the RECORD. I would not know how to get along without news from M. A. C."

"Our work here is keeping me exceedingly busy. We are offering eight hours of work each semester, and at present have forty students enrolled. In addition to the regular university courses, we are offering a special course for men in the general agricultural course, and also a special seven weeks' short course similar to the one which was offered in Michigan. I am sending you, under separate cover, copies of the short course announcement, which will give you an idea relative to the nature of this work. I enjoy my work very much, and am as enthusiastic over the outlook here as I was in Michigan."

'11.

The *Stoughton Sentinel* (Mass.) of Oct. 26 contains an extended announcement of the wedding of Robert P. Holdsworth, '11, and Miss Mildred H. Curtis, of that city. The bride is a graduate of Wheaton Seminary, class of '09. After a short wedding trip, Mr. and Mrs. Holdsworth will be at home in Harrisonburg, Virginia, where Robert is engaged in forestry work.

FROM OBERLIN.

Miss Katharine Ransom writes from Oberlin as follows: "Although I am no longer a student at M. A. C., and have entered another college, I am still interested in all the affairs of my former alma mater. Oberlin is a very fine place, and I am glad to be one of her daughters. I am equally glad to have belonged to M. A. C. Both colleges are mighty dear to me. However, here I am getting the work which I enjoy—physical training, and it is for this reason that I do not regret the change. I thank you for letting me know of the expiration of my subscription. I surely do want the RECORD this year, even though my class has left and gone out into the world. I hope to be in the world outside of college next year."

The M. A. C. RECORD

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B. A. FAUNCE, MANAGING EDITOR

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TUESDAY, NOVEMBER 5, 1912

THE NATIONAL DAIRY SHOW.

In addition to the judging team, several of our college men attended the national dairy show in Chicago recently, and report it as one of the best ever held.

In addition to team work, individual stock judging was carried on in the various classes of dairy animals. In connection with this, four scholarships were awarded to individual high men by the Blue Valley Creamery Co. The first was given to the first individual high man, the second to the second individual high man, the third to the high man in Jerseys, and the fourth to high in Holsteins.

L. J. Reed one of our own men, won the high place in the Jersey contest, and is awarded a \$500 scholarship. This entitles him to a year of graduate work in any agricultural school approved by the committee of Official Dairy Instructors' Association. Mr. Reed's home is in Clio. He will complete his college work this year, and then will be at liberty to accept the advantages of the scholarship earned at Chicago.

Among the M. A. C. men seen at the show were: H. E. Van Norman, '97, of State College, Pa., president of the show; Verne Buckham, '12, with the Hazelwood Farms Co., of Washington State; H. Ribald, former instructor in the special courses, and now with the department of agriculture, was in charge of the U. S. department exhibit; Wm. Rider, '08, of Winona Lake, Ind.; Prof. George Humphrey, of the Wisconsin University, and Harry Kempster, '09, now of Missouri, was on hand to attend a meeting of the "Rocks and Spots," as one put it.

M. A. C. was well represented, and satisfied with the results.

OHIO WESLEYANS OUT-CLASSED.

FINAL SCORE, 46 to 0.

The boys from Delaware were snowed under before a large crowd on the home field Saturday afternoon. At no time did the visitors look dangerous, although Mr. Macklin substituted freely at various stages of the game. The line was simply a stone wall defense, and the Delaware eleven's attempts through it had little effect.

Great credit is due Gauthier, the little quarter, for the excellent handling of the team, and in his work at forward passing.

Miller and Julian were bright lights, and got away for good gains, although a heavy field hindered the

play to some extent. Gorenflo and Gifford were, as usual, dependables in the line, and for the visitors Jones and Hutchinson starred in the line.

The right shift formation was responsible for long gains at various times, and the forward pass was also worked to advantage.

The victory was the result of good team work, as well as individual, and credit is due every player for his work. The band and bleachers did their share, and stood back of the green and white every minute.

U. OF M. FRESHMEN 6—M. A. C. O.

Preceding the varsity game on Saturday, the U. of M. freshmen nosed out a 6 to 0 victory over our own first year men. The M. A. C. boys certainly played the most consistent ball throughout, and but for the injury to Miller in tackling, the score for the visitors would never have been made. The line was a stone wall on defense. On several occasions the ball was carried to the opponent's 10-yd. line, only to be lost on an incomplete or blocked pass. The teams were handicapped by the heavy field, and frequent attempts were made with the forward pass.

Capt. Miller, R. E., handled the home team in fine shape, and was one of the most consistent ground-gainers. The boys put up a splendid game against heavy odds, and every one was surprised that the visitors were held as they were.

On next Saturday Mt. Union College will play on M. A. C. ground, and will give us a good game. Remember the date and plan to see it. Only two more home games this season. Game Saturday will be called at 2:30.

POLITICAL SPEECHES.

Last Thursday evening the first meeting of the Debating Society was held in the Agr. building. The program rendered consisted of three political stump speeches. Mr. Snyder spoke for Taft, Mr. Klinger for Wilson, and Mr. Smoker for Roosevelt.

Despite the unfavorable weather, a large and very enthusiastic audience turned out to the meeting. A number of the English department faculty, including Dr. Johnston, were also present.

Following the program the club organized for the year, and elected the following officers: President, Hart; vice president, Smoker; secretary and treasurer, Stewart.

Talks were given by Dr. Johnston and Mr. Bittner, in which they prophesied a very successful year for the club.

Plans for the year were informally discussed. It is hoped that, with the material at hand, the scope of debating may be broadened this year, and, in addition to the usual debates with Alma and Ypsi., such teams as Ohio and Penn. State be met on the platform.

All of last year's debaters, except Mr. Cochrane, are in school this year, and with these men as a nucleus, the debating interests of the college should be well cared for.

Weekly meetings of the club will be held in room 109, Agricultural Building on Thursday evening. Interested visitors, as well as students, are welcome at these meetings.

"A KNIGHT OFF."

A CHAPTER FROM BOLZAC.

The Dramatic Club have been working on a play to be put on sometime during the present term, and have settled upon Augustin Daly's comedy, "A Knight Off." The date for the play has not been definitely settled, but announcement of same will be duly made. It is planned to give another during the winter term, and in the spring an out-of-door play will be staged.

Following is the cast for the fall term play:

Professor Babbitt.....	Mr. Roop
Harry Damask.....	Mr. Baker
Lord Mulberry.....	Mr. McDonald
Jack Mulberry.....	Mr. Spaulding
Snap.....	Mr. Oviatt
Prowl.....	Mr. Carey
Mrs. Babbitt.....	Miss Bell
Nisbe.....	Miss Graham
Angelina Damask.....	Miss McKillop
Susan.....	Miss Holbrook
Morie.....	Miss Crane

WISCONSIN LETTER.

The following letter from the pen of H. H. Coplan, '12, engineer, now of Janesville, Wis., will be of interest to both old and later graduates alike:

"While I do not approve of the time and money necessary for a B. S. in C. E. and afterward turn to teaching manual training, especially when one makes it nearly five instead of the usual four years, still I do not regret having done so.

"I am enjoying my work immensely. I have had to spend a great deal of time in outlining courses which run through the four years of high school, and to make the apparatus usable. I have also influenced the school board to buy three new lathes and a fine 20-inch drill press, which I am expecting any day. If I stay here next year, I hope to have new forges, and also benches for the wood shop.

"Manual training in this school takes in mechanical drawing, wood working and turning, forge work and machine shop work. No text books are used, except one in wood working, and so it makes quite a problem to outline the drawing work which runs through four years. I have as yet been unable to locate a text book which I consider suitable for my work.

"To add to my work, and most acceptably to my purse, I am soon to take charge of part of the industrial school work in this city. Please do not confuse our industrial school with that in Lansing. It is a new venture this year, and is established to provide for boys and girls of school age, who have permits to work under the law, which I cannot take time to explain fully. About 30 such schools have been established through the state as continuation or trade schools. The employers are bound to permit the boys and girls to attend these schools five hours per week with full pay. The industrial board has full power to draw on the city for such an amount of money as is necessary to conduct the school. The student may elect any course, and if there is only one student in a class, an instructor will be provided.

"I expect to have charge of such work as will properly come in the manual training department—mechanical drawing, wood working, pattern making, forge and machine work, and shop mathematics, also a

little touch of gas and steam engine work.

"In the regular 'Continuation School' there is a supervisor who draws from \$1,000 to \$1,600 per year, so you can see that it is something more than mere school teaching. The girls are similarly provided for, and a woman hired for that work."

Mr. Coplan closes with good wishes for the team, and states that he has two promising candidates for a college team which he would like to send to M. A. C. if it were possible, and a "Here's hoping you send the band to Columbus."

HORT. MEETING.

One can learn much of horticulture by traveling over Michigan, and the Hort. Club profited Wednesday night through the experiences of Mr. O. K. White, who probably knows Michigan fruit conditions better than any one else. He particularly explained the evil effects of the past severe winter, and the lesson it teaches regarding good sites. Mr. White made an experiment this summer with different sprays for peach leaf curl, the result of which demonstrated the value of lime-sulphur solution. All of his talk contained interest of a practical nature. P. I. Allen related his experiences at Grand Haven, and A. C. Mañon described his work of cherry packing at Old Mission.

C. C. Carstens gave the history of the Northern Spy apple, after which everyone had a chance to sample some fine specimens from the orchard of Mr. T. A. Farrand.

Y. M. C. A. NOTES.

Mr. Francis Andrews gave a very interesting talk last Thursday night, on "Something Practical." He said we are all scientists here, studying either agriculture or engineering, and we are all looking for logical thoughts. We find sound logic in Christ. The modern man has to be practical when it comes to every day jobs. A Christian must be practical to make the greatest success.

Then he told about two men who were leaders at the Lake Geneva Conference, where he attended this summer. One of them, Mr. Moore, was an especially practical man. He was a most successful business man (paint manufacturer in Chicago), and yet had time to give ten days at Lake Geneva, where he helped it to become a successful conference.

The other, Mr. Robins, was a politician from Chicago. Mr. Andrews tried to portray this man's conversion as he had heard it, and how Mr. Robins since has been one of the leading men who has done so much for the good of Chicago.

Sec. Miller, of Lansing Y. M. C. A., spoke last night at the union meeting.

Allen R. Nixon will lead the meeting next Thursday evening at the Y. M. C. A. rooms. Everybody will be more than welcome.

Student pay day tomorrow (Wednesday).

More than 300 students and college people attended the band promenade Friday evening, and enjoyed a most excellent program.

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ABOUT THE CAMPUS

Fred Stone, of last year's class, was a college visitor Friday of last week.

Mr. A. C. Brown, sp. in 1906-07, who is farming at Hastings, was a college visitor on Wednesday of last week.

Miss Lutie Robinson gave a dinner party for the members of the Sesame Literary Society, at her rooms at Mr. and Mrs. Gunson's, Saturday of last week.

Prof. French acted as toastmaster at the banquet given by the State Normal College in Grand Rapids Friday evening. The banquet was held at the Pantland, 275 persons attending.

The Tom Thum wedding at the church Friday evening was a great success, some 250 persons attending. The wedding party and guests were composed entirely of little folks, many of whom were only four or five years old.

Dean Shaw was in Chicago last week, to procure data from the disposal of a car load of sheep which were shipped from the upper peninsula experiment station at Chatham. The car consisted of 245 head, and brought within 15c. of the top market price.

The botanical seminar was held at the home of Prof. and Mrs. Coons, on Tuesday of last week. The seminar is held every other week, and its object is to review botanical literature. It is composed of those teachers who are interested in the subject of botany.

A baby daughter was born to Dr. and Mrs. Chamberlain, Monday, Nov. 4.

A. W. Edison, '12, teacher of agriculture at Hart, was a college visitor one day the past week.

Election returns will be received at the People's church by special wire tonight. The men's class will serve supper.

Secretary Brown is assisting the forestry department in the course in forest law, by giving one lecture each week on business law.

Paul Thayer, '00, arrived in Lansing last week, and will continue his post graduate work, which he left to accept a position with the Ohio experiment station at Wooster.

Miss Ethel Gilbert, stenographer in Sec. Brown's office, has resigned her position, and left with her father and mother Monday for Alberta and the great northwest, where Mr. Gilbert expects to take up land.

Attention is again called to the lecture-recital by Mr. Perry, the noted blind concert pianist, in the parlor of the women's building Saturday evening at eight o'clock. Those desiring tickets should see Miss Freyhofer at once.

Wallace Liverance, former instructor in dairying, who took post graduate work in Wisconsin last year, is now with the U. S. Department of Agriculture, in the division of creamery inspection. His headquarters are at Washington, D. C., with address at 1006 B. St. S. W.

W. U. Faunce and wife, of Petoskey, are the guests of the former's brother and family on Park St.

Winter put in an appearance at M. A. C. for the first on Nov. 1. A cold rain was the program nearly all day Thursday, later turning cold, with the result that Friday morning the ground was covered with a cloak of "the beautiful."

Mrs. Myers gave a delightful Halloween dinner party Wednesday evening of last week. The tables were trimmed with vegetables, pumpkins and the like, while black cats adorned the walls. A number of amusing stunts were pulled off, among which was bobbing for apples.

Prof. E. J. Kunze, of the engineering department, has recently received from J. H. Williams Co., of Brooklyn, a large board on which is placed a number of samples of drop forgings, illustrating the process of manufacture of an article by that method. This will be hung in the museum loft of the mechanical laboratory.

The animal husbandry department has recently purchased a number of thoroughbred animals, among which are a tamworth boar, from Adams Brothers, of Litchfield; large type Poland China, from W. E. Livingston, of Parma; a Shropshire ram, from Lockport, Ill.; a Hampshire, from the University of Ill.; a Cotswold, from W. R. Montgomery, of Hillsdale, and an Oxford, from Shaftsbury.

Dean Bissell attended a meeting of the Detroit Engineering Society, in Detroit, Friday of last week.

Alpha Zeta initiation was held last week, when three students were added to the roll. The new members are H. K. Wright and J. S. Wells, '13, and O. F. Jensen, '14.

Tau Beta Pi initiation and banquet was held last Thursday. The new members are: L. H. Thompson, L. W. Dunn, M. DeGlopper, E. C. Douglas, L. A. Prescott, G. Allen, E. Meyer, all '13, and F. A. Nagler, '14.

Two signs have been painted for the engineering shops recently. One is placed on the outside over the entrance; the other is in the nature of a directory, and is hung just inside the main entrance. It is hoped that these signs will better enable strangers and visitors to identify and locate the various departments. The plan is a good one, and worthy of following.

The Try and Trust Circle of the King's Daughters of East Lansing held their regular meeting of Oct. 30 at the home of Mrs. Ives, of Williamston. About eighteen or twenty were present. The early part of the afternoon was devoted to an automobile ride about the town and into the country. The regular circle meeting followed, after which the guests sat down to a bountiful supper. A delightful time was enjoyed by all, and the hospitality of Mr. and Mrs. Ives was thoroughly appreciated.

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MILITARY APPOINTMENTS.

The following is announced as the organization of the Corps of Cadets for the fall term, 1912. The appointments of corporals will be announced later.

REGIMENTAL FIELD AND STAFF.

Colonel, McDonald, W. A.
Lieutenant Colonel, Hall, C. H.
Captain and Adjutant, Cumming, W. S.
Captain and Quartermaster, Longnecker, J. W.
Captain and Commissary, Klinger, K. M.
Regimental Sergeant Major, Paine, M. J.
Regimental Quartermaster Sergeant, Peterson, E. E.
Regimental Commissary Sergeant, Foster, C. E.
Color Sergeants, Haines, P. B., and Holcomb, B. J.

BAND.

1st Lieutenant, Brandes, E. W.
2nd Lieutenant, VonKerckhove, J.
Additional 2nd Lieutenant, Digby, E. L.
Principal Musician, Lacey, N. W.
Drum Major, Irvin, R. F.
Sergeants, Wileiden, L., and Vinton, C. F.
Corporals, Baril, W., Broughton, T. H., Campbell, H., Gottheimer, H., Havens, R. R., Moran, E. F., Strong, M. S. B., and Young, E. M.

FIRST BATTALION.

Major, Jacklin, H. M.
1st Lieutenant and Battalion Adjutant, Topham, B. T.
2nd Lieutenant and Bat. Quartermaster and Commissary, Alderdyce, J. C.
Battalion Sergeant Major, Blackford, G.

	Company "A"	Company "B"	Company "C"	Company "D"
Captain,	Andrews, F. E.	Lardie, G. L.	Gribble, W. C.	Fletcher, J. D.
1st Lieutenant,	Vasold, H. B.	Kennedy, L. L.	MacDonald, J. A.	Spraker, E. C.
2d Lieutenant,	Mueller, F. H.	Spaulding, C. A.	Hutton, K. W.	Hulse, L. C.
Ad'l 2d Lieut.,	Burt, E. H.	Birdsall, A. L.	Collins, E. H.	Dendel, L. P.
1st Sergeant,	Wilson, R. W.	Hinger, T. R. F.	Petrie, J. A.	Myers, G. H.
Co. Q M. Sergt.,	Jewell, A. H.	Maveety, R. P.	Coons, A. L.	Dean, S. M.
Sergeants,	Geldhof, P. E.	Foot, J. H.	Borden, C.	McArdle, C. S.
	Fox, W. S.	Dickinson, M. G.	Mains, G. H.	Lankton, W. W.
	Nixon, A. R.		Storrs, Z. W.	

(The remainder of the list will be published next week.)

THE UPPER PENINSULA DEMONSTRATION TRAIN.

(Continued from page 1.)

greeted by several former short course students, and throughout the peninsula we met with a great many who expect to affiliate themselves with this institution.

More than 12,000 people visited our cars during the two weeks, and 500 attended lectures held in the evenings at three of the larger cities. The crowds were enthusiastic, and seemed to appreciate the effort made to bring agricultural possibilities to them. There are excellent opportunities for future production. The idea of pure bred stock was made important, and it is expected several bull associations will be formed immediately as a result of this trip.

Some of the soil conditions were equal to the best found in Southern Michigan, though there were large areas of land similar to that found in Roscommon county, which is very unproductive. Owing to somewhat short summers, there are crops which will not mature that can be grown in other sections, but if localization is valuable there certainly is every opportunity for the raising of stock and the production of root crops and grains of a superior quality. If the people who visit these sections would speak less frequently of the "frozen north" there would be fewer mistaken ideas regarding the character of that country, which is indeed most beautiful.

The officials of the D. S. S. & A. railroad were exceptionally good to us, furnishing the entire equipment of dining car and Pullman, so that

we were not dependent on many of the inferior hotels in some of the small towns.

The fact was amusing that if Prof. Jeffery happened to take a fancy to a special plot of soil the train must stop for him to dig a spadefull of the dirt to place in sample jars.

When our party disbanded at St. Ignace for the return trip, our exhibit coaches were hooked on to the Cannon Ball special, which, coming down on Saturday, followed very closely the scheduled time of a special train which W. N. Ferris was using for campaign purposes. Considerable excitement and as much fun was enjoyed in West Branch when our train arrived, and Mr. Raven and I stepped to the platform, waving our hats and uttering expostulations, which caused the band to start playing and the crowd to follow our coaches. Of course this was not made public, as Prof. Ferris might not feel especially complimented with the fact that we were mistaken for his distinguished party.

Brownie and little Emily returned safely with us, and we feel that the good accomplished was not only of benefit to the people of Upper Michigan and the railroad company, but also to our party, who had opportunity to glean a great deal of formation and valuable knowledge regarding that part of the state. It is a lamentable fact that all of our instructors who are teaching agriculture in the state cannot be more familiar with our conditions, and that they do not have opportunity to make just such trips as this for the establishment of such knowledge.

J. O. L.

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