

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 11,

LANSING, MICHIGAN, TUESDAY, FEB. 27, 1906.

No. 23

TAU BETA PI.

The most successful meeting in the history of The Alpha of Michigan Chapter of The Tau Beta Pi Association was held last Thursday evening, Feb. 22, when it admitted Prof. A. R. Sawyer as an active member and six members of the junior class: C. M. Cade, L. E. Smith, S. B. Lilly, G. B. Hayes, O. C. Post, and M. F. Johnson as active members. The meeting was called to order by the president at 8 p. m. in the class room of the Mechanical building. After a short business session, the members adjourned to the dining room of Club A. There a sumptuous banquet awaited them, of which all partook with a zest, showing a thorough appreciation of the good things. After cigars had been passed around, President Lambert introduced Prof. Weil as toastmaster, who, after laying down the rules to be followed, called for the following toasts:

The Expansion of Tau Beta Pi, Prof. Vedder.

The Tau Beta Pi Man Out in the World, S. E. Johnson.

Tau Beta Pi and the College, Prof. Babock.

Engineering Societies, Prof. Sawyer.

The toastmaster next called upon different members for short speeches. Among those responding were, H. G. Walker '04, S. C. Hadden of Ill. Alpha, and E. L. Larison, Col. Alpha.

Shortly after, the meeting was adjourned, everyone feeling that the evening had been well spent.

The M. A. C. Chapter is 13 years of age and is now in a flourishing condition. It possesses twenty active members, seventeen of which are under-graduates. This is the greatest membership it has ever enjoyed and speaks well for the engineering course of the college.

MENU.		
Creamed Tomatoes		
Wafers		
Celery	Pickles	Olives
Hamburg Steak	Scalloped Potatoes	
Salad		
Rolls		Bread
Cheese		
Ice Cream Cake		
Fruit		Jello
Coffee		

BAND CONCERT.

Those who were fortunate enough to attend the concert given by the M. A. C. band Friday evening were certainly well repaid for doing so. The program was a most excellent one, and great credit is due the leader for his untiring efforts, and also to each member for constant, faithful practice. The solo by Mr. Egerton and the descriptive overture, "A Day in the Cotton Field," were especially well rendered. The number, "Mr. Thomas Cat" was also much enjoyed. The quartet also deserves mention. The music at M. A. C. is certainly the best it has ever been and does credit to the institution.



J. EARL WEBBER.

CHOSEN AS GENERAL SECRETARY OF THE Y. M. C. A.

J. Earl Webber who has accepted the position as general secretary of the Y. M. C. A. to succeed Mr. Hurst is a graduate of Alma college in the class of '05. Mr. Webber comes highly recommended from Alma where he was one of the most popular students. He played four years left field on the base ball team, was a member of the basket ball team, managed the football team one year, held a position on the debating team, was business manager of the Almanian, and vice president of the Y. M. C. A. His interest in all phases of college life has well fitted him to assume the position he has been chosen to fill.

ORATORICAL.

In the oratorical contest to be held at Alma Friday evening, the judges are as follows: On thought and composition, Rev. Reed Stewart of Detroit, Prof. Troop of Chicago University and Prof. Lewis of Lewis Institute. On delivery they are, Hon. W. W. Wedemeyer of Ann Arbor, Hon. Charles Simons of Detroit, and Rev. Jas. Buckley of Detroit.

The contestants and subjects in their order are:

George D. Suttons, Alma, John Hay.

R. L. Coldren, Hillsdale, Hero of the Dark Continent.

A. Judson Colyn, Hope, The Great Peace Maker.

Robert Gordon, Kalamazoo, The College Man's Mission.

Gertrude Peters, Agricultural College, Development of a National Conscience.

Julius H. Moeller, State Normal, Alfred The Great.

St. Clare Parsons, Olivet, Triumph of the Fraternal Spirit.

C. A. Robinson, Adrian, The Apostle of Beauty.

Emerson O. Gildart, Albion, The Ingenuity of the American People.

Mr. and Mrs. Taylor of Almont, were among those who attended the round up.

STATE Y. M. C. A. CONVENTION.

The state convention of the Y. M. C. A. in Adrian Feb. 15-19 was well attended especially by the Michigan college men. On the program of the convention were some of the strongest speakers who could be secured, among them George L. Robinson of McCormick Seminary who gave four strong lectures on Bible characters, Clayton S. Cooper of New York, C. M. Copeland of Toronto, Theo. G. Soares of Chicago, and A. B. Williams Jr., of the Cleveland Y. M. C. A.

The sentiment expressed by student speakers in the last meeting of the convention was that an aggressive religious work should be maintained in the associations during the coming year.

F. J. Smith was chosen secretary of the convention, and R. A. Turner chairman of the credential committee. During the convention, Dr. Waterman was elected a member of the state executive committee of the Y. M. C. A.

TIC MINSTREL.

The Electric Literary society gave a minstrel to their friends Saturday evening of last week. The show was given in the armory and the arrangement of staging, decorations and general plan of the entertainment was certainly a credit to those having the same in charge. Mr. Mastenbrook as master of ceremonies carried out the plan in a pleasing way.

The program opened with the song Lazy Moon sung by the end men assisted by the circle. The following songs were then rendered interspersed the while with many original jokes:

Robinson Crusoe, Joe Taylor.

Just a Little Rocking Chair and You, B. B. Pratt.

It wasn't a Real One, "Chet" Cavanagh.

Why Don't You Try? F. C. Jenison.

Shame on You, Gar Verran.

Solo, H. G. Kimball.

Nobody, "Senator" Hogue.

Yankee Doodle Boy, Chorus.

The Olio consisted of a cornet duet by Van Halteren and Ranger. G. W. Dodge represented "Our Hebrew Friend," Hall Reed entertained with the banjo, Messrs Cavanaugh and Verran performed their double stunt which was very laughable, Verran's "Katrine" and "Chet's" beautiful cornet solo provoking much merriment. The violin solos by Mr. Dudley were much appreciated. One of the best things on the program was the "Soliloquy of a Stranded Actor" by the "Senator," who became much wrought up in relating some of his "has bins."

From the opening song of the circle to "Good Bye Hiram" the entertainment pleased and the guests certainly spent an enjoyable evening.

ALUMNI.

'78.

A new aphid has recently been discovered by Jas. Troop near the city of Indianapolis and drawings have been made by the director of entomology at Washington and published together with a description of their work. Inasmuch as they were found to work only on the Houghton gooseberry, Mr. Troop has termed them *Aphis houghtonensis*.

'93.

Secretary, M. A. C.

Dear Sir:—I am in receipt of a copy of the M. A. C. RECORD. In response please find enclosed P. O. order for one year's subscription to same. If all the "Old Boys" have been as careless in their Alma Mater's concerns as I have in days gone by, but little interest has been taken in her behalf. My apparent indifference, however, has in no way portrayed my heart's feelings for the place which was once so dear to me and is to today the object of many pleasant memories and cherished reminiscences. Twelve years absence from one's own native state and former associations with new interests and attractions surrounding, is calculated to subject the past, however bright and vivid in memory, to the point of neglect. Perhaps there may be some excuse for those of us who are living and building homes for ourselves in other states. The graduates who are living in Michigan and in close touch with the College may entertain hopes of some day seeing their sons and daughters tread the old campus where long years before they themselves have trod. Not so with those who have taken up their abode in different states. They now have their own state's welfare in mind and must labor to support their own institutions. The name of old M. A. C., however, will always be sweet to our ears and its recollections hallowed to our memory.

Personally, I hope to keep in closer touch with her interests and in 1907 meet many old acquaintances and friends.

O. B. HALL.

'94.

Lieut. Robt. S. Welsh has changed his location and can now be reached at Manila, P. I., 28th Battery F. A. He says "I am under orders for service in the Philippine Islands and will sail from San Francisco on March 5, '06. Mrs. Welsh is going also, but not until Nov. 25. The transports have been so crowded that it was impossible for us to get passage on the same vessel."

with '08.

L. H. Leonard of Kalamazoo spent a few days at the College last week, and also attended the annual "Round-up." He is at present working on his father's farm near Kalamazoo.

THE M. A. C. RECORD.

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TUESDAY, FEB. 27, 1906.

INSTITUTE.

The farmers' round up began on Tuesday morning and continued until Friday afternoon and was certainly a great success. The delegates came early and stayed late and surely received great good. Classes in many cases were excused and at all sessions a goodly number of students were present. The attendance was large and much interest was manifest throughout.

The music, much of which was contributed by our M. A. C. people, was no small factor in the success of the meeting and from the way each number was received it was appreciated by visitors and "home folk" as well.

The session Tuesday morning was given up to the subjects of bacteria, nitro culture and spraying. The topics being ably handled by Dr. Marshall, Prof. Smith, and Prof. Green of the Ohio State Experiment Station. Discussions of the last two subjects were taken up and the eleventh annual Round-up had started.

Tuesday afternoon was given up to a variety of subjects, Senator A. B. Cook's talk on sugar beets perhaps creating as much interest as any. Mr. Cook stated that only three states, Mich., Cal., and Colo. produced enough beet sugar to be mentioned, and Mich. was at the head. Nothing but sugar beets should be taken from the land during the season, the beets forming one crop in a rotation. Conditions in Germany are no more adapted to the successful growing of beets than in this country, yet the average yield in Germany is 15 tons per acre, while in Mich. it is only about 8. The subjects of soil conditions, planting, cultivation, and harvesting were all discussed in an interesting way. The speaker mentioned the fact that in some places there was a suspicion that the factories were not treating growers fairly in the matter of tests, etc., but said he had never had reasons to doubt the tests of the Owosso Co., and that with unfavorable conditions a poor grade of beets would be the result the same as with any other crop.

Mr. Reynolds who led in the discussion stated his method of rotation as differing from the first speaker. Many questions were then directed

at Mr. Cook, all of which were promptly taken care of.

Prof. Green of Ohio, in his paper on the orchard, stated the necessity of becoming acquainted with your trees, must know the needs of each, and be in love with the business, or you will not be successful. There must be the man and there must be method. Do not separate them. The wind break may be of use and it may prove a hinderance. The things which will prove beneficial in one locality, may not do so in another. The matter of cover crops, cultivation and spraying were all taken up and discussed. In the apple orchard do not take anything from it but apples.

In the discussion which followed, it was recommended by many, in as much as trees "true to name" were so hard to secure, that some good standard sort be planted and then top-grafted to make sure of the desired variety. The wind breaks and pruning also came in for their share of the discussion.

I. R. Waterbury then took up the question of potato growing. The growing of the tubers has extended not only to every state in the union, but to every country in the world. Potatoes need a porous soil, that will not dry out and bake down hard. Crops to be grown before and after were taken up as was also methods of preparing soil, seed, cultivation, etc. Mr. Dean led in the discussion which followed and the number of questions asked indicate that Michigan men are interested in this crop.

On account of failure to get current for the lantern, Mr. McCue was unable to illustrate his lecture on the potato blight. He, however, explained the method of detecting the blight, and urged spraying early as a preventative. He spoke of the experiments along this line at the College and elsewhere all of which prove that spraying when the work is done intelligently pays well.

TUESDAY EVENING

Was given up to educational subjects, Prof. C. E. Holmes being the first speaker. "People sometimes wonder," said Mr. Holmes, "what a man from the Blind School can see in a subject of this kind." The true way of teaching the child is not to teach him to make a living, but to live. Menton was made of the various classes of schools and how they originated—from the University down. Four or five boys and girls of a class go through high school and college—where are the rest? We should provide for them. Furnish shops, and equipment for the teaching of agriculture and domestic science. Prof. Holmes advocated the installation of a normal course at M. A. C., which would prepare teachers for the work in agriculture in our public schools. We should teach the tangible things of life to the normal child as well as to the blind and deaf.

Hon. P. H. Kelley was then introduced and in his usual happy manner addressed the audience on Improvement in our public schools. The past year \$11,000,000 was spent for current expenses in our schools, we invested over \$25,000,000 in them and are employing an army of 1700 teachers to carry on this work. The object of the school should be to make better men and better women. Their education should be such as will "hitch on" to the affairs of every day life and make them useful, as 90 per cent of school

children will in the future labor with their hands. In view of this, every town of 3000 and upwards should provide for manual training, domestic science, etc., in the schools. Combine the country districts so that a school of two rooms, ten grades can be had. Grade thoroughly. Twenty-five county normal training schools have been organized in the state. Next June over 400 teachers will go out into the district schools of the state from these training schools, certificates from which permits the holder to teach only in the above named schools.

Com. H. S. Earle was then called upon and responded to the subject, "Three Kinds of Men." Mr. Earle stated that he "quit work last night at two o'clock this morning," and would not therefore be at his best during this talk, being exceedingly tired. In spite of this fact, however, he gave a very interesting talk and fulfilled his purpose of giving "something to think about." Three classes of men are leaders, helpers and hinderers. All were necessary. Comparisons were made which brought out in an interesting way the object to be sought and all seemed to get much good out of the last talk of the day.

WEDNESDAY.

Prof. Shaw of Minnesota was the first speaker of the day and gave an instructive talk on forage crops, dealing mainly with pasture and hay. Not one farmer out of one hundred in the United States realizes the relative value of his pasture. In the spring care should be taken in turning feeders out on green feed as they are liable to lose weight to a marked degree. The speaker urged the spreading of the manure on the grass land as being the most economical and for the best results as he had proven both in Ontario and Minnesota. Not only will the blades then grow upward for cattle, but the roots will penetrate the soil thereby adding humus. Peas and oats were mentioned as an ideal food for dairy cattle and sorghum for a very satisfactory pasture.

In the discussion Mr. Towar said that alfalfa was such an important crop that it should receive more attention and stated that at present clover was Michigan's ideal forage crop.

Prof. Moore was then asked to explain the progress of Alfalfa in Wisconsin and gave some interesting facts. Be sure that the seed shows good germination. A large per cent of seed from various seed firms showed very low vitality. Soil inoculation was explained and Mr. Moore showed that when once started the plant was easily grown.

The subject of corn occupied the attention for the remainder of the day. Prof. Moore being the first speaker. He stated that he had always lived near the lake which bears the name of our state and felt almost as though he was a resident of the state itself. "The stock breeders," he said, "were getting the start of the plant breeders and it behooves the latter to hustle and catch up." He spoke of the great opportunity before plant breeders and urged the corn growers to unite in their efforts to breed up three or four varieties rather than more. Those in a single community should select some one standard and stay by it for best results. Kiln dried corn is the safest seed for Michigan and Minnesota. Simple methods of

drying the corn were mentioned for the ordinary farmer.

Methods of testing the corn both in the ear and kernel were explained and the necessity of doing so urged. Mr. Raven who led the discussion occupied only a short time and the subject was then open for general discussion. The interest taken proved that Michigan farmers are awakening up to the subject of corn and mean to raise larger crops.

C. C. Lillie of the dairy and food commission then gave a talk on the work of the commission. The pure food laws are for the purpose of preventing deception. He mentioned several instances where adulterations had been discovered and stated methods of Commissioner Bird in dealing in a co-operative way with the jobbers thereby getting the product removed from the market and avoiding prosecutions in many cases.

Wednesday afternoon the audience was favored with music by pupils from the State School for the Blind, which was much appreciated. Prof. Smith was called to the chair and introduced Prof. Jeffery, who spoke on the Breeds of Corn for Michigan. He mentioned the rapid growth of the Corn Improvement Association of the many corn shows held throughout the state the past year, all of which augurs much for that crop in the future. Specimens of the various Michigan corns were exhibited and commented upon. Prof. Moore was again called upon who spoke on methods of tilling the soil, rotation of the crop, etc. The discussion, led by Mr. Tyler, was an interesting one. He stated his belief that corn was king, gave figures showing the enormous amount of this grain raised in this country and of its monetary value as compared with other crops.

The corn crops with and without the silo, was next discussed, the silo method seeming to have the best end of the bargain. Mr. Hull stated that upon his own farm he was certain that he saved 20 per cent. in the crop by handling it in this way. It would pay a man with six or eight cows to have a silo. Its palatability was one of the chief features of silage. Mr. Ellis stated that the farmer always wanted to grow some corn which would not be put into the silo and with this he advocated husking by hand and then running the stalk through a threshing machine. He also made mention of dampening the stalk to increase their palatability. Prof. Pettit then gave an interesting lecture touching upon the insect enemies of the plant, their methods of attack and ways of combating with them.

In the evening the subject of good roads was taken up by Mr. Earle and his deputy. Mr. Earle stated that he was confident that if our road system were perfected, we could reduce our road taxes by one-fourth and do twice as much good every year. The country road system was explained and urged. The road taxes should be collected in cash and the funds placed in the hands of the township board to be distributed. Divide this into four road districts and elect an overseer for each.

Mr. Rogers explained methods of building correct roads and spoke of the State Reward Law in Michigan which many sections are taking advantage of to secure good roads. It is a subject which should command the attention of every farmer in the state.

THURSDAY.

Forestry was the subject for the forenoon session and it was a most interesting portion of the program. Prof. Bogue in speaking of the wood lot said it should have as much attention as the dairy and illustrated how the growth of an acre of woodland properly cared for was equal to the same amount of crops raised. He urged the best of stock in replanting and named as desirable varieties for southern Michigan locust, white ash and chesnut. He advised the purchasing of trees for planting rather than the practice of planting seeds.

Prof. Roth condemned the practice of bidding in state lands and then selling them to individuals who strip them of such timber as they desire. These parties invariably allow the land to revert to the state to again be sold as taxes.

Something must be done to encourage the individual holders in the upper peninsula and inspire their confidence that the state is endeavoring to do them a service and not an injury.

Hon. Chas. W. Garfield spoke in his usual pleasant and earnest way on the Gospel of Forestry, bringing out the fact that we should not be governed by the prevailing spirit of commercialism in this matter, but must leave something for posterity.

About 40 of the visitors visited the nursery after the session.

Prof. Taft stated that we were fortunate in three ways at this session, (Thur. afternoon) and the three were in one. We have with us a former student of M. A. C., a successful farmer and the governor of our state. Gov. Warner stated that Michigan has the making of one of the best dairy states in the union, but we must wake up to the fact and improve our opportunities. The value of Wisconsin dairy products last census was nearly four times as great as those of Michigan and yet our natural conditions are as good as Wisconsin's. He spoke of the increased value in lands in Wisconsin wherever dairying is practiced, as one of the advantages, and Michigan he said had great possibilities along this line which had not yet been found out.

Prof. Shaw then spoke on breeding and selecting stock for dairy purposes. He spoke of his experiences in the west, and said that for a time he was baffled to know how to present the subject from the books at hand. These did not present the subject in a way which could be grasped by the boys, nor were they able to do so until the subject was rewritten. The fundamental law is that like produces like, and the speaker urged the use always of a pure breed sire. He demonstrated by the use of the black board the possibilities of upgrading and spoke of its great value to the farmer.

Prof. Smith led in the discussion and stated that the most important factor in the dairyman's success was the dairyman himself. He must have his ideal so firmly fixed in his mind that he can compare it with any animal he may chance to see and tell whether or not it comes up to his standard. The discussion which followed was one of the most lively and interesting heard during the institute.

Mr. Cannon then spoke on the care of the dairy cow and stated that the dairy inspector usually first judged the dairyman then the cow. The speaker touched upon proper

foods, cleanliness, right kinds of ventilation and treatment of the cow in the stable.

Mr. Ladd advocated the winter cow as in this way when she is turned out in the spring she practically becomes fresh the second time. He also mentioned as a substitute for silage, in a measure the value of roots in the ration. Regular times for feeding and milking and kindly treatment were also urged.

Prof. Lane, of Washington, then mentioned some of the things the Dairy Department were endeavoring to do and of the great dairy show in Chicago which has just been held. The butter and cheese exhibits are a common occurrence but the opportunity for the producer only of milk and cream to exhibit his wares has not been great and it is the aim to develop this feature. There were 13 different states represented in this contest, 46 exhibits of milk and between 400 and 500 bottles of cream. He urged the advisability of county exhibits to interest the dairy farmers. Mr. Lane then spoke of the bulletins being sent out and the aim of the department in sending them.

N. P. Hull gave a most interesting talk Thursday evening on our boys and girls. Mr. Hull, in taking a glass of water before commencing his talk, said he supposed he should apologize for starting a wind-mill with water, but his earnest address proved that he was more than a wind mill. He expected to be simply a boy as long as he lived and as he had spent considerable time during the past 30 years thinking about girls he felt qualified to speak on both boys and girls. We love to dwell, said the speaker, on the great men of the past and of their achievements; but it is not the great leaders we need to worry about, they will be provided all right. It is the boys and girls of the country who are to build up the nation.

Mr. Hull mentioned home and school as the two important factors in shaping the future of the child and dwelt particularly on the home side.

There has been something wrong in the home when the boy goes out and states that "the world owes me a living." Teach the boy to try and yield \$1.05 worth of labor to \$1.00 received and he will soon become too big for his job. Do not boast in the home of getting something for nothing. A comparison of various trades and professions were made with farming, but farming had the best of it. We have the best boys and girls on earth, let us take care of them.

Prof. Fletcher then gave a talk on extension teaching in agriculture describing the methods pursued in the state of New York where he was engaged in this work for a time. Nature study is simply the getting acquainted with the ordinary things about them. Junior clubs have been organized throughout the state for this work. There are 26,000 members in these clubs who actually grow something each year and report progress to the supervisor at Ithaca, twice a year. High schools have to some extent taken up the study of elementary agriculture and in some localities county agricultural schools have been organized. The farmers reading course is also an important factor, books furnishing a supplement to the bulletin sent out by the station and are in the form of a series—consecutive.

Prof. Lane was again called upon

and gave a talk on crops for the dairy farmer, illustrating the same by the use of the lantern. He showed fields of various crops including corn alfalfa, clover, vetches, etc., at various stages of growth and something of the value of each in respect to feed for the dairy cow.

FRIDAY.

The first talk Friday morning was on experimentation work by Prof. R. S. Shaw. Prof. Shaw stated the three important factors in this work was experiment stations, the agricultural press, and institute workers. The investigator, said he, who will publish results should be 1st, brought up on the farm; 2d, have a college education, and 3d, should return to the farm for a time, there to again study in a practical way. Investigators of today are often in too great a hurry to publish results and make for themselves reputations rather than wait to prove by a series of experiments the value of the same to readers. He urged those present upon receiving bulletins to read the plan carefully, as often times a serious mistake in the plan will prove the experiment almost worthless.

Mr. Moore, who led the discussion, stated his belief in trying things for himself and not waiting for the scientist to furnish all results. He mentioned interesting results obtained on his own farm. A discussion followed.

C. H. Alvord spoke on sheep raising in Michigan and urged for the best results to select a breed and stay by it through thick and thin. They are as safe an investment as any stock you can buy and furnish quick returns to the farmer. They do not require expensive buildings for housing, neither do they require very warm quarters, but same should be dry and well ventilated. Mr. Alvord suggested that there was a splendid chance in the northern countries to build up this industry. Careless and lazy men should not attempt to raise sheep. They should have a variety of food, pure water and plenty of exercise.

The discussion led by Moore was interesting, the speaker stating that a good breeding ewe would pay for herself the first year and that sheep had in a large measure aided him in raising a mortgage.

Poultry for the farmer was discussed by Mrs. Campbell in a way which proved to the audience that she was thoroughly conversant with the subject. She stated that it was one of the most important of products, confining herself to the subject of chickens only. The hen house need not be expensive but should be warm and dry. In order to get winter layers eggs were selected from her best winter layers. The matter of yard, proper food, scratching pens, etc., were all discussed in an interesting way. For perches Mrs. C. uses a wagon wheel placed upon a standard in her coop.

On Friday afternoon Prof. Shaw of Minnesota, gave his last talk before a good sized audience on pork production. He compared the conditions of Michigan with those of Denmark and stated that there was no reason why we should not have a reputation along that line equal to that of Denmark. We cannot compete with the breeders in the corn belt. They breed for short, round bodies, while here the rule should be to breed for greater length, the Tamworth being mentioned as a type which would materially aid in

bringing about best results. The discussion was enjoyed by all. The good work done by Prof. Shaw and Prof. Moore at this institute can hardly be estimated and the delegates were fortunate indeed to be able to hear their addresses.

Dr. Waterman was the next speaker, and talked interestingly for a half hour on the foot of the horse. He stated that more than half of the diseases causing lameness of the horse is found in the hoof. He demonstrated by means of an artificial hoof the anatomy of the same and mentioned causes of lameness in an animal. The various shoes for correcting troubles were also shown and their uses explained.

Mr. Geismar read the last paper of the day, and mentioned some very interesting results in his work at the U. P. experiment station. He gave figures in yields which compared favorably with those of any part of the country. He was asked many questions at the close of his talk which proved that people are waking up to the possibilities of our upper peninsula along agricultural lines.

CORN AWARDS.

District 1.

Class A, Yellow Dent—21 entries.

	Score
1st, R. I. Vandercook, Linden	85.8
2d, J. J. Nyenhuis, Hudsonville	83.5
3d, H. M. Young, Mason	77.9
4th, Mumford & Crouch, Ann Arbor	76.4
5th, Dean Myers, Clark's Lake	76.2

Class B, White Dent.

1st, R. I. Vandercook, Linden	83.4
2d, Calvin Lazelle, Napoleon	75.3
3d, S. B. Hartman, Athens	71.4
4th, J. B. Seedorf, Athens	71.1

Class C—White Cap.

1st, Wm. Folks, Hanover	84.4
2d, A. W. Jewett, Mason	79.3
3d, Roy Clark, Eau Claire	78.7

Class D—Other Varieties.

1st, A. W. Jewett, Mason	75.4
2d, Calvin Lazell, Napoleon	60.7

Class E—Flints.

1st, Geo. J. Frederick, Brooklyn	77.2
2d, E. M. Moore, Orchard Lake	76.6
3d, C. P. Reed, Howell	75.4

District 2.

Class A—Yellow Dent.

1st, Jas. Foster, Pompeii	
2d, A. P. Gray, Traverse City	
3d, Frank Finzel, Gladwin	
4th, E. J. Taylor, Fremont	

Class B—White Dent.

1st, D. L. Phillips, Shepherd	
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Class E—Flints.

1st, Robert Horsell, West Branch	
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Special—Bushel Lots.

1st, J. J. Nyenhuis, Hudsonville	79.1
2d, A. W. Jewett, Mason	75.7
3d, J. S. Draper, Decatur	75.6

WOMEN'S CONGRESS.

The women's session held in the women's building was well attended and much interest shown.

Mrs. Saunders spoke on home making. Ways of brightening the home were mentioned. We should of course keep the home in order, but no house wife ever gets all through with her work and should not wait for this before taking rest as if she did the rest would never come. Make the best of little difficulties which arise and try not to worry. The discussion brought out interesting views on the rooms for the boys and girls in the home.

In the care of household stores Mrs. Campbell stated some advantages of buying stores in quantities. Mention was also made concerning the carcass of the lamb, beef or hog, the cuts of each and the proper way to preserve these by curing.

Miss Bemis' talk had to do with the care of household articles, and mentioned ways of brightening up the carpets, brightening the silverware without polishing and the care of table linen.

Miss Colwell then spoke on the economical side of the kitchen management, especially the preparation of food.

On Thursday Mrs. Partch gave the first talk. She did not wish it to be called an address. Corporal punishment was not advocated, but the child should be given something to do in place of the mischief he was doing. Environment is so large a factor in the life of the child that great care should be taken to make this as nearly ideal as possible.

Mrs. Barber followed with some interesting incidents in her career as a nurse, and also some valuable points in the care of the sick.

Mrs. Buell gave the last talk of the session, which was both interesting and instructive. The one thought running through her entire talk was helpfulness to others, and urged that in selecting our amusements or entertainments we should be sure it is not detrimental to others nor taking our time when that time might be helping others in a large measure.

RESOLUTIONS.

To the State of Michigan Farmers' Institute Society:

Your committee on resolutions beg leave to report that as we have had very instructive and interesting discussions at each and every session and it has been brought about largely by the energetic and untiring efforts of our worthy Supt. of Institutes, L. R. Taft, therefore, be it

Resolved: that we delegates and farmers here assembled at this round up do most heartily appreciate the courteous treatment and the manner in which we have been entertained and instructed. And that our thanks are profusely tendered to all who have labored for the success of this round up.

Resolved, Further that we feel especially grateful to the gentlemen and ladies who so kindly entertained us with vocal and instrumental music, and also to the boys from the Industrial School who entertained us with song, and whose gentlemanly appearance sent a thrill of pleasure to each heart; further to the faculty and students from the School for the Blind for their harmonious songs. And whereas, the farmers' institute work for the past season has been of such great benefit to our farmers and others of our state, that we feel justified in asking of our State Board of agriculture an increase in the apportionment for farmers' institutes to \$10,000 for the two fiscal years.

Resolved, Further that we favor the passage by the U. S. senate of the Adams Bill H. R. 345, increasing the appropriation for experiment station work, and we urgently request our senators, the Hon. Julius C. Burroughs and the Hon. Russell A. Alger to give it their support. Be it further

Resolved, that we favor the removal of the internal revenue from denatured alcohol thereby furnishing us with cheaper fuel, light and material for manufacturing and also creating a greater market for our by-products.

And further, we strongly urge the members of the next and succeeding legislatures to use their best endeavors to enact laws to help pre-

vent the continued re-selling of stump land (so called) for taxes for long years in succession.

We urge that whenever sections of such lands can be found consisting of one or more townships free or nearly free from settlement, that the title of such lands revert to the state and their management placed in control of the State Forestry Com.

We further wish to express our gratitude to the railroads of Michigan, which so substantially aided us in institute work by giving reduced rates to its workers, thereby enabling us to extend the work and we hope they may see their way clear to continue their beneficial aid. All of which is respectfully submitted.

P. VOORHEIS,
ALEXANDER SHARP,
E. L. KEASEY.

ATHLETICS.

M. A. C. 44, ALBION 11.

The basket ball team added another victory to her list Friday, by defeating Albion on her own ground by the above score. Our opponents were outclassed in every part of the game especially in the team work. For M. A. C. Hanish and McKenna played a strong game and the team work of the whole five kept Albion in the air all the time. The opposing team accorded M. A. C. good treatment, but the crowd made it a practice, as they always do, of jeering, not only our team and its good playing, but every decision made which was not to their benefit. M. A. C. believes in rooting for her team and believes that other colleges should do the same, but there is a vast difference between decent rooting and indecent jeering. It might be added that M. A. C. knows and appreciates the difference.

LINE-UP.			
M. A. C.		ALBION	
McKenna	Forwards	Sanderson	
Dixon		Hall	
Vondette	Center	Russell	
Hanish	Guards	Moore	
Westerman		Towsley	

Baskets—Hanish 7, Dixon 5, McKenna 6, Vondette 2, Russell 2, Hollingshead 3. Fouls—Russell 1, Westerman 2.

M. A. C. 25—ANN ARBOR 29.

On Saturday the team met the strong aggregation at Ann Arbor and played a more exciting game, if possible than the first game with that team. It was hard to tell whose game it would be up to the last play although M. A. C. was in the lead the greater part of the time. Just at the close of the game our opponents began their usual "roughing" which before had been held in check by the referee and before the whistle blew for the close secured the required number of points which won for them the game. The result is a source of satisfaction especially when it is remembered that M. A. C. was playing without Captain Krehl. The home team outclassed their opponents in team work and fast ball, but the university players are without doubt the strongest individual players in the state.

The cross-country squad worked hard every night last week a goodly number reporting for each night's run. Other events were somewhat at a standstill on account of the Institute.

Next Saturday Albion comes here for basket ball and the Lansing

high school will be here for an indoor meet with our freshmen.

OLIVET.

The meet held last (Tuesday) evening was a success and was well attended. M. A. C. won the events by the narrow margin of one point. The events were as follows:

Dash—Verran, M. A. C. 1st, Hemenway, O, and Pearsall, M. A. C., tying for 2nd.

High jump—Hurlbut, O, 1st, Graham, M. A. C., 2nd, Allen, M. A. C., 3rd, ht. 5-4.

Pole vault—Gongwer, M. A. C., 1st, Gilbert, M. A. C., 2nd, Bishop, O, 3d, ht. 9-5.

High dive—Arnold, O, 1st, Higbee, O, 2nd, Gongwer, M. A. C., 3d, ht. 5-9.

Shot put—Betts, O, 1st, Burroughs, M. A. C., 2nd, Bishop, O, 3d, distance 36-2, 33-10, 31-2.

Final score of points, M. A. C., 20½, Olivet, 19½.

Between halves of the basketball game the tumbling teams did some very clever work. M. A. C. was represented by Belknap, Jacobs and Cataline; Olivet by Arnold and Birdsell. The work of the visitors was perhaps a little more smoothly done, two members of the home team being new men. No decision was rendered.

M. A. C., 46—OLIVET, 10.

At the close of the meet, basketball occupied the attention of the crowd. M. A. C. was in the game all of the time as the score would indicate, but her team work at times was a little ragged.

The visitors were much heavier and had two or three fairly strong individual players, but were not sure throwers and could not keep up with the fast playing of the home team. Our baskets were all thrown from the field, being distributed as follows: Vondette 7, Hanish 7, Dixon 5, McKenna 3, Westerman 1. Olivet got 3 baskets from the field, 2 on free throws and was awarded 2 points.

Y. M. C. A.

Dr Waterman addressed the students in the chapel Sunday evening taking as his subject "Doubts Removed." In his practical way of proving his arguments Dr. Waterman showed the difference between knowing and understanding. Men know and understand the science of mathematics, they know natural laws but they do not understand them. Men will not believe in Christ's miracles because they do not understand them, when in reality they understand the miracles as well as they understand the process which produces two different kinds of apples on one tree.

Rev. Perry, of the Main St. M. P. church, preached in chapel Sunday morning.

Prof. Smith's course of lectures on "The Life of Christ," given before the special students, closed last Sunday.

The men who attended the Thursday evening prayer meeting were pleased to hear Burt Wermuth in one of his enthusiastic talks that are always of interest to college men. It was through the work of this man and a few other men of his stamp that the M. A. C. Association was placed on the strong foundation it now stands and it is with pleasure that the students hear a man who has led the religious life of the institution through the difficult places.

STOMACH-ACHE.

(Tune "H. S.")

Stomach-ache, Stomach-ache,
'06 had a feed on you—('07)
Oughty-eight was in it too.
Stomach-ache, Stomach-ache,
Sugar Bowl made it, '07 paid it,
Stomach-ache.

Some wise Seniors had a lunch,
And they fooled that Junior bunch.
Stomach-ache, Stomach-ache,
Caused by ice cream, punch and cake.
Stomach-ache.

At the banquet given by the Detroit alumni, February 23, the following former students were present: Lincoln Avery, Port Huron; F. B. Ainger, V. B. Bailey, J. W. Beaumont, Miss M. Bougula, Miss May Butterfield, F. K. Brainard, Dr. H. B. Baker, Emma Barrett, R. F. Bell, W. M. Brown, Sam'l Crawford, L. T. Clark, R. J. Coryell, W. A. Dohany, Mary Elliott, H. F. Emmons, Miss Grace E. Elliott, John N. Goodrich, Walter Graves, O. P. Gulley, Oscar Gorenflo, H. A. Haigh, R. W. Hemphill, Jr., Miss Coral Havens, E. D. Hutton, Geo. Howard, H. Jay Hayes, E. V. Johnson, Frank Kratz, C. F. Lawson, George E. Lawson, E. F. Law, William Lighthbody, Dr. C. B. Lundy, W. F. Lyon, Mrs. Alta Lawson Littell, L. B. Littell, T. F. Millspaugh, John W. Matthews, Alex. Moore, W. F. Millar, F. H. Nickle, E. N. Pagelson, T. G. Phillips, H. K. Patriarch, C. W. Porter, G. F. Ransom, F. E. Robson, Miss Harriette Robson, Edward Russell, Mrs. Clara Ohland Russell, A. A. Robinson, Dr. H. M. Rich, W. L. Snyder, Dr. T. F. Stephenson, C. W. Stringer, A. K. Sweet, C. D. Sterling, H. F. Tuttle, E. D. A. True, G. G. Torrey, Dr. H. C. Wyman, Bert Wermuth, G. E. Watson, G. W. White.

Others who attended were Dr. Beal and Prof. Weil from M. A. C., Prof. L. H. Bailey, of Cornell, and many of the friends of alumni. About '90 were present and an enjoyable evening spent.

It was the good fortune of the writer to have nearly a month's experience in the woods of the upper peninsula in the employ of the Cleveland Cliffs Iron Co. This company is primarily a mining concern with plenty of ore in sight to last them a life time. These men are holding immense tracts of land extending nearly the whole length of the peninsula for their posterity.

President Mathers of the firm is greatly interested in forestry, and together with Mr. Higgins, their head forester, is building up a forest service of their own. The company themselves cut only the hard woods suitable for smelting their ores, letting contracts for all the other timber they care to have cut on their 490,000 acres of woodland.

After spending a few days at Negaunee, the headquarters of the company, the head forester and I left for Grand Marais, where most of our time was spent in the woods. Our work in this vicinity consisted in looking over land, estimating stand, condition of timber, species, reproduction and future possibilities.

The even, cold, dry climate, deep snow, (necessitating the use of snowshoes), unusual sights and views, and most of all the outdoor life in the woods, all contributed to make this a very pleasant and profitable outing.

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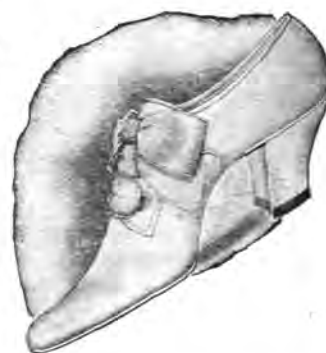
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ABOUT THE CAMPUS.

F. M. Walker has an interesting
article (illustrated) in the last *Mich-
igan Farmer* on "The Red Man of
the North."

The forestry department has re-
ceived the bronze medal for an ex-
hibit of models showing propaga-
tion of models of coniferous seed-
lings.

Mr. Hadden, of the mathematical
department, will speak before the
M. A. C. foresters at their next
meeting on the water power of
streams.

Secretary Hurst attended a ban-
quet at Alma Thursday evening,
given by the literary society of
which he was a member while in
that college.

One of the special students before
leaving for home handed Prof.
Smith all the money he had except
his fare home to be used toward the
memorial building.

A letter from Prof. Holdsworth
states that he is getting along finely,
is gaining in weight right along and
expects to be ready for duty the first
of the spring term.

Among others who attended the
Institute and who have sons and
daughters in college were Mr. and
Mrs. Pratt, Middleville; Mr. Ash-
ley of Davison and Mr. Hurlburt.

The records of the seven students
representing our basketball team
show the following marks for the
half term just closed: 8 a's, 17 b's,
18 c's and no conditions. Where is
there another student athletic team
in the state that can produce such a
record?

Mr. and Mrs. Dean renewed old
acquaintances at M. A. C. last week
Mr. Dean who was formerly con-
nected with the Hort. department is
now on his own farm near Napo-
leon.

Lost—Set of Webber drawing
instruments. The set did not in-
clude the drawing pens which were
originally a part of the same.
Finder please leave at Secretary's
office.

The Women have organized class
teams for basket ball and will have
an interclass schedule. The first
game was played Saturday; the
Freshmen defeating the Sub Fresh-
men with a score of sixteen to five.

Mrs. Gingles and Miss St Johns
former instructors in Domestic Art
at M. A. C. have been spending
several days with College friends.
They are both connected with the
Saginaw Manual Training High
school.

In the Freshmen Oratorical Con-
test of the Eclectic Society February
17, 1906, Mr. B. B. Pratt, carried
off first honors. Mr. H. C. Pratt
and Mr. Walter Moss tying for
second place. Miss Gilchrist, Mr.
Hadden and Mr. Brewer acting as
judges.

The students at Mrs. Dickson's
have formed a house organization,
and have decided to call the house
Bachelor's Inn. They elected J. S.
Wells, president; A. L. Campbell,
vice president; J. M. Walkup, sec-
retary. They hold meetings once a
month, at which time they have mu-
sic, games and refreshments.

The beds and frames for the new
engines were unloaded Saturday and
are being placed. The electric gen-
erator has not yet arrived. It be-
gins looks as though M. A. C. would
have her own electric lighting plant
some of these days.

Mr. Richard Hopkins, a former
instructor in mathematics, was mar-
ried on February 24th to Miss
Josephine Brown at Chicago. Mr.
and Mrs. Hopkins will be at home
after March 10, 109 Cornell street,
Ithaca, N. Y. Congratulations are
in order.

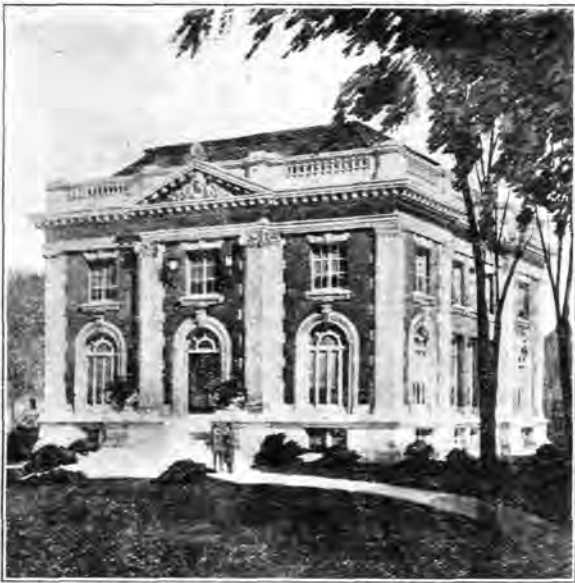
The following students have been
chosen delegates to the World's Stu-
dent Volunteer Conference Feb. 28
to Mar. 4. O. K. White, E. P.
Robinson and D. H. Ellis for the Y.
M. C. A. and Miss Mary Allen and
Miss Florence Barlow for Y. W.
C. A. It is expected that there will
be 3000 delegates present.

At the Senior Engineering So-
ciety Wednesday evening Mr. A.
H. Cameron talked about the manu-
facture of Portland Cement. Mr.
Cameron seemed familiar with his
subject and gave us a very good de-
scription of the wet process of the
manufacture of cement. In this
process marl is dredged from the
bottom of lakes and after being
mixed with clay until of the proper
constituency, the mixture is baked
and ground very fine into the fin-
ished product.

A trip to Grand Rapids is being
planned for March 17 in the interest
of students in horticulture. Those
who plan to go will leave on Friday
evening at 8:00 P. M., and stay in

Grand Rapids over night so that the
next day may be spent in visiting
the places of interest. The places
to be visited are the leading green
houses, lettuce houses of Mr. Strong,
the floral establishment of Henry
Smith, the rhubarb house of Chas.
W. Garfield, the tomato and mush-
room houses, the mushroom caves
and the commission houses of the
city. The total cost of the trip will
not exceed \$4.00. This trip is de-
signed primarily for the junior
class in green house work, but any
who are interested may go and
those desiring to do so will make
arrangements with Prof. Fletcher.

A goodly number of College peo-
ple were fortunate Thursday even-
ing in hearing Mrs. Kedzie and Miss
Knight in the interpretation of
Hiawatha. The music by Mrs.
Kedzie was used as a back ground
for the narration of the poem which
was given by Miss Knight, dressed
as an Indian maiden. The opening
was made by Mrs. Kedzie present-
ing on the piano some of the themes
that are interwoven in the composi-
tion. Miss Knight then gave, to
Mrs. Kedzie's accompaniment, bits
from Hiawatha's childhood, the
killing of his first deer, his journey
to the land of the Dakotahs, his
wooing and the famine scene with
the death of Min-ne-ha-ha. Her
work in the suggestion of Indian
method was splendid and the weird,
unusual flowing music that accom-
panied the words was played by Mrs.
Kedzie to bring out its full beauty.
The entertainment throughout was
a delightful one and thoroughly en-
joyed by everyone present.



MEMORIAL BUILDING.

A meeting of alumni and former students was called at 5 o'clock on Wednesday evening as quite a delegation of the same were attending the institute. The meeting was presided over by Prof. Smith who called on Dr. Waterman to state its purpose. The Dr. mentioned as the reason for calling the meeting was to talk over the project of the Memorial building and urged that we act in this matter as one family, and stated fully the purposes it would serve and for whom it should stand as a memorial.

Prof. Smith mentioned that one of the special students on leaving said he wanted to show his appreciation for what had been done for him and handed over a check for a round sum.

Pres. Snyder was called upon for a few remarks and Mr. Buskirk spoke for the State Board as well as the alumni. He stated that the board would support the movement but must know just what amount is to be had before they would be at liberty to begin the work.

Secretary Brown was obliged to leave but before going stated that he had just received a subscription

from a former special course student of \$50.

Mr. I. B. Bates '87, who is spending a few weeks at the college, and who has been chosen chairman of his class, spoke of the value such a building would be to him at the present time and named a round sum which he intended to contribute in starting off the class of '87. Among others to speak encouragingly of the project and pledge their support to the same were King with '68, Warden '74, Valleau with '83, Cannon '88, R. H. Wilson '89, R. J. Crawford and W. O. Hedrick '91, Thayer '00, C. P. Reed and McCue '01, Hartman '03, Clark '04, Howard '05, Mr. Root and Mr. True who were special students a number of years ago, and Mr. Suttie, one of our present special course students. All seemed to feel that something was due M. A. C., and further all seemed ready to see that she got her due. Dr. Waterman and Prof. Smith closed the meeting with remarks which impressed the fact more than ever that such a building was needed and would be a fitting memorial. The point was again brought out that many small contributions were more to be desired than a few large donations.

The kind of a letter we all enjoy reading:

"I think that it is time for me to fulfill my promise to report progress occasionally, and at the same time to assure you of my unabated interest in the welfare of M. A. C. I enjoy reading the RECORD each week and always glad to see news items about my acquaintances of college days, being especially interested, of course, in the progress of the members of the class of 1905. From all reports I am sure that in their work they are maintaining the high standard set by former graduates and in time their successes will add to the fame of M. A. C.

"Since leaving Lansing I have been especially fortunate in securing practical experience along the lines of hydraulic and construction work. From Oct. 9 until June 10 I was out of doors ten hours a day for nearly every day, being located at Ceresco, where the Commonwealth Power Co. was building a large concrete dam and power house on the Kalamazoo river. My duties furnished an opportunity for the acquirement of useful knowledge and at the same time gave the chance to exercise some authority, which of course was very satisfactory to a recent graduate.

"I am at present engaged in designing work in the office at Jack-

son, but expect to go out on construction work in the spring. In the office here with me is Fred Johnston, '05, who is greatly interested in his work and is making a good record. There are also in Jackson Homer Eaton, '03, McAlpine, '05, and Cavanagh and Stayton, '06.

With best wishes, I am,
Sincerely yours,
HORACE S. HUNT, '05.

'95.
Guy L. Stewart writes,—I was particularly interested in the little enclosure about 'What the Old College is doing.' I am mighty glad to see it and although I do not get there often no one is more interested in her welfare than I am. I sure will try to be at the 1907 reunion and will begin today to set aside the time so that I may get there. A railroad man has but little time for anything but his work but I am determined to be at M. A. C. in 1907.

The question for debate Thursday evening is, Resolved, That the negro should be disfranchised.

Mr. and Mrs. Calkins, grandparents of Miss Raynor were guests at the Women's Building last week.

It is hoped that we may soon be able to present a photo of the new mechanical building as it will be.

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R. W. MORSE, D. D. S. Hollister Block, Room 517. Citizens Phone 52, Bell Phone 396.

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