The M. A. C. RECORD

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. II.

LANSING, MICHIGAN, TUESDAY, APR. 3, 1906.

No. 28

ALUMNI.

FARMERS' INSTITUTE CORN SPECIAL.

The Lake Shore & Michigan Southern Railway has consented to run a special train at 10 o'clock Tuesday night (April 3) for the purpose of holding a series of railroad institutes. The train will consist of a passenger coach, in which the meetings will be held, and a baggage car for the apparatus and exhibits. At each of the meetings addresses will be made by Prof. C. D. Smith, Prof. J. A. Jeffrey, and other members of the Agricultural College faculty. The principal topics that will be discussed will be "The Improvement of Corn," and "Better Methods of Corn Culture." In the baggage car there will be a corn exhibit, which will contain typical specimens of the different varieties of corn, and apparatus for testing the germination of seed corn.

Every person interested in corn culture should attend these meetings if possible, for it should be an easy matter to add 50 per cent. to the average yield of corn in Michigan. Attend this institute and learn how to do it.

The "Corn Special" will leave Lansing at 10 o'clock, and will stop one hour at each of the following points:

Detroit 10:15 a.m. April 3
East Rapids 9:30 a.m. April 3
Springport 10:30 a.m. April 3
Albion 1:00 p.m. April 3
Homer 2:15 p.m. April 3
Litchfield 3:45 p.m. April 3
North Adams 9:40 a.m. April 3
Sorrento 11:00 a.m. April 3
Brooklyn 1:00 p.m. April 3
Clinton 2:15 p.m. April 3
Tecumseh 3:45 p.m. April 3
Adrian 8:45 a.m. April 4
Hudson 9:45 a.m. April 4
Hillsdale 11:00 a.m. April 4
Jenningsville 1:00 p.m. April 4
Quincy 2:15 p.m. April 4
Coldwater 3:45 p.m. April 4
Branson 10:00 a.m. April 5
Syracuse 11:15 a.m. April 5
White Pine 11:50 a.m. April 5
Constantine 1:00 p.m. April 5
Moorpark 2:15 p.m. April 5
Schoolcraft 3:45 p.m. April 5
Cooper 8:30 a.m. April 5
Otsego 9:40 a.m. April 5
Allegan 10:50 a.m. April 5
Hopkins 1:00 p.m. April 5
Byron Center 2:15 p.m. April 5
Grandville 2:45 p.m. April 5
L. L. TAFT,
Supt. Farmers' Institutes.

NONSEN CROUHERS.

Next Saturday, April 7, the great consolidated shows of Nonseen Brothers will again grace the M. A. C. bigger and better than ever. There will be a street parade soon after the train arrives. Nonseen Brothers have always made a special feature. There will be two performances, one at 2:30 and one at 5:30 p.m. The 5:30 performance will be the merengue, a first class burlesque entertainment, and the show will close with a first class minstrel and circus concert. The young ladies will serve refreshments of all kinds. Mr. Nonseen, the magician and an- nouncer, who made such a decided hit last year, will be with us again and this in itself is proof that the great show will be a decided success. A nominal fee of fifteen cents admission will be charged. Come out and enjoy the performance.

NOTICE.

There will be a meeting of the Chicago M. A. C. Alumni Association at 7:30 p.m. The meeting will be at The Union, 117 Randolph, Price $1.50.

Information concerning any M. A. C. men who have recently moved to Chicago, will be furnished by Philip Woodworth, 5508 Ohio St., Chi­ cago.

ATHLETICS.

The management will sell base ball season tickets, good for all home games for $1.50. These will be in the same style of coupon tickets similar to those used last fall. The schedule includes the intercollegiate games and two early practice games, making twelve in all. The schedule as arranged gives us some splendid topics that will be discussed will be "Better Methods of Corn Culture.

Considerable work has been done on the athletic field during vacation, which has resulted in placing the same in first class condition. A general plan of fencing, etc., has been changed a little, the track has been reconstructed and a curve put in on the east end. Taken in all the field is in the best shape it has ever been.

COLLEGE MINISTRIES.

The ministras, 16 in number, left the college Monday, March 26, for Williamson, where the first enter­ tainment was given. The boys were well received here, encoru­ sing them to be frequent. The next morning at 10 o'clock the company left for Grand Ledge where they gave a perform­ ance in the evening. They were at Belding Wednesday night and St. Johns on Thursday morning. Leaving Belding they went to the best house of the four places and treated them royally. From St. Johns nearly all the boys went to their homes to spend a few days before­ opening the college. The company plans to go to some of the roads in the U. S. and Mr. Clark thought if government ownership made the difference, he was in favor of it. He is doing a lot of photo­ graphic work. A prominent factor in these cases is the way in which the men study their conditions and the photographic work. A prominent factor in these cases is the way in which the men study their conditions and.
GIGANTIC INDUSTRIES IN THE INTERESTS OF NITROGEO.

Every farmer knows how essential potash is for the growth of his crops, and he looks toward keeping up the supply of potash on his farm, but not every farmer is aware of the fact that in Germany there are vast beds of this potash salt, so necessary for the growth of plant-life.

These beds of potash salts originated in the days of ages ago when we are told by geologists, in large inland seas, somewhat resembling the Dead Sea as it is at present, but on a far greater scale. For thousands of years nature's forces worked slowly but surely dissolving, transporting, concentrating and depositing masses of rock salt, potassic minerals, and so forth, from which Germany now removes material at the rate of 4,000,000 tons per annum, without any apparent diminution of the supply.

But whence go these millions of tons of material? For the most part in the production of potash manures, now so largely used in farming, fruit and vine growing all over the world.

In satisfying the home and foreign demand for these manures there is supplied in the potash mines of Germany the chemical factories of Germany an army of over 14,000 men guided by several hundreds of highly trained chemists, engineers, physician's, and chemists. Year in and year out vast areas are surveyed, works planned, shafts sunk, and mines developed; steadily the scientists go on solving the problems and overcoming difficulties in concentrating and purifying the salts; day and night the miners and laborers toil, drilling, blasting, hewing and loading; while in a never ceasing stream the hucksters' creak from shaft to factory with their loads of salts, and return from factory to shafts a UUall in order that men may make two blades of grass grow where but one grew before.

What this may mean for the Michigan sugar beet industry the future can tell, for the sugar beet above all other crops is in need of potash.

Another great industry, and second only to the potash mine of Germany, is the Saltmine or Nitrate beds of Chile, which are quarries rather than mines. This substance is found over a limited area of the desert lands of Chile, between the Andes and the coast hills.

In this sandless desert of countless ages the continuous fixation of atmospheric nitrogen by the soil, its conversion into nodules by the slow transformation of billions of nitrogen fixing organisms, its combination with soda, sodium nitrate, these are the facts that make of these Chilean beds of salt the most valuable nitrogenous fertilizer on the face of the earth, being one of the most important factors to the growth of plant-life.

But here as in the other industry a large army of men is employed to place on the market the thousands of tons of potash and nitrate of soda. A modern system of transportation and distribution is followed in Chile, which is based on the railroad system, utilizing the railroad as the distributing system of the country.

Walter Stanton was a college visitor yesterday, and his last examination and went home feeling happy.

The quarantine has been removed from the home of Dr. Danieleo in the city and he is again with his classes. His little son who has been sick with scarlet fever has entirely recovered.

C. G. Woodbury who has been doing graduate work in Horticulture and Entomology has accepted a position as assistant horticulturist in the Experiment Station at Purnell to the University. He will enter upon his duties June 15. Mr. Woodbury will be assisted by Prof. Troop, M. T. Harrow, and Mr. G. C. Stiles. The assistant horticulturist will have every opportunity for advancement.

It behoves, therefore, the farmers to save or conservatively use the nitrogen in the soil.

OLYMPIC.

H. L. Francis, President.

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F. K. Bush, Secretary.

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ABOUT THE CAMPUS.

Measas, Shull and Pennell were keeping busy removing evergreens and shrubs for Mr. Gunson for the past week.

Geo. F. Ransom, a former M. A. C. student, is present chemist with the Sibley Quarry Co., of Trenton, Mich.

Bids for the erection of the new mechanical building will be received at the secretary's office up to Thursday, April 12.

Stanley Fittikin's room, has returned for the work of the spring term. He was obliged to drop out last year on account of illness.

Miss Kate Cool visited college friends a few days past, as a result of the death of the latter's mother, Mrs. J. B. Reed. The funeral was held on Wednesday.

The corn special on the Lake Shore Ry. is being announced and it is expected that large crowds will gather as much interest in this subject as is being manifested.

Instructor Leonard has returned from the south and will no doubt take charge of his classes soon.

Mr. Cole, with the department last term, will open the work for him.

Miss Addibelle Bentley, for some time stenographer in the president's office, and recently with the Olds Co., left Thursday for Mankato, Minn., where she has accepted a position.

A number of evergreens have been placed on the south of Williams Hall to form a screen. Some of these have been materially brightened.

A meeting of the directors of the Michigan Corn Improvement Association was held in Prof. Jeffery's office Wednesday of last week.

Several of the engineering students remained at the college during vacation and worked at plumbing, and other engineering work.

All those entering for spring term work who have not been in college during the fall and winter should report their names for the new catalog.

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An open meeting of the Political Science Club was held in the reading room Saturday evening when Ray Stannard Baker gave his talk on the "United States Senate." A cordial invitation was extended to all, as a result of which about fifty persons were present.

The following officers were chosen at the Academy of Science meeting last week: President, Dr. J. B. Pollock, of Ann Arbor; Secretary-Treasurer, Prof. E. G. Atwater, Assistant Secretary-Treasurer, W. G. Sackett; Librarian, Dr. G. P. Burnham, Ann Arbor. Various departments were represented by Prof. R. S. Shaw; Botany, Prof. C. A. Davis, Ann Arbor; Geography and Geology, Prof. D. Cahill, Menasha; Sanitary Science, A. J. Patten; Science Teaching, Prof. S. O. Mast, Holland; Zoology, Prof. C. C. Adams, Ann Arbor.

The following petition is being circulated among those interested in the highway between the college and Lansing: "We, the citizens of the Citizen's (and Bell) telephone company, do most respectfully petition the Governor of the state to make such improvements as may be on Michigan Ave., that you remove your poles from the vacant street south of the street near our place. We consider in their present position, not only unsightly but a menace to the public life. The new macadamized road with proper gutter and bicycle path, will use all the available space north of the track."

The north end of the large dairy barn is being enlarged and furnished with fittings for the handling of the pedigree beef cattle. The southern portion of the annex will not be changed to any great extent, but will be occupied by a pedigree herd as before. This will place all of the animals of pure breeding under one roof and will make the methods of breeding, management, etc., much more systematic. It will also result in a great saving which will enable the visitor to get a much clearer conception of the live stock equipment.

Mr. Chappelle recently received a letter from Mr. Leonard written from Atlanta, Ga. He was for a time at Ashville, N. C., but found the climate too cold, although one of the handsomest cities he has seen. In Atlanta, he states, is much like Detroit, altho there are finer buildings and more sky-scrapers. On account of the climate, he states, is much like Detroit, altho there are finer buildings and more sky-scrapers. On account of the climate, many a boy has rushed into town or city to find work, and been disappointed, finding twilight. When placed in a garret or in a small damp room, he finds that his body does not work up to the water. The first eggs emerge from the water all within the eggs were laid. The mass of eggs by a toad is remarkable. One author states that a toad can lay a mass of eggs eight or ten times as large as its whole body. This is explained by the swelling of the jelly, to which the eggs are attached, when it comes in contact with the water. The first eggs to emerge, then the tiny larvæ hatch and feed on the jelly-like matter surrounding them; hind legs appear, for legs come, the flat-topped hatches and feed on the water. At last the tadpole emerges from the water—all within the eggs were laid. In Europe toads are advertised as harmful to vegetation—as worms and beauty of country life.—Detroit News.

The southern portion of the annex will be occupied by a pediatrics, in view of the improvement to the climate of the time the eggs were laid. The names in this Directory, as well as those of all other advertising parties, are of reliable character. We hope that the faculty and students will take pains to patronize those who patronize us.

The following table taken from the Observer's Meteorological report shows the weather conditions for the month of March.

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