GRADUATE SCHOOL OF AGRICULTURE.

The sixth session of the Graduate School of Agriculture will be held at the Michigan Agricultural College, East Lansing, Michigan, beginning July 1, 1912, and continuing four weeks. Only persons who have completed a college course and taken a bachelor's degree will be admitted to the privileges of the school, except that admission may be granted to non-graduates who are recommended by the faculties of the college and are persons properly qualified to profit by advanced instruction in agriculture.

Instruction adapted to the needs of graduate students will be given under the general heads of soils and plant physiology, animal physiology, agronomy, horticulture, animal husbandry and poultry, rural engineering, and farm management.

The faculty will include leading scientists and experts from the U. S. Department of Agriculture, the agricultural colleges and experiment stations, and other universities, colleges and scientific institutions in America and Europe.

Lecture periods of one hour each will be provided for, principally in the forenoon, during five days of each week. At the end of each lecture period there will be an open period of half an hour, which may be used informally for answering questions asked by individual students, etc.

In the afternoon seminars or demonstration exercises will be held for about two hours, five days in each week.

The general principles of research and pedagogical questions relating to collegiate, secondary and extension teaching of agriculture will be discussed in a series of conferences to be held on Wednesday and Friday mornings and Saturday forenoons. Leaders representing different phases of research and education will be present to open the discussions. One or more excursions will be arranged for.

Public exercises will be held on Wednesday evening of the first week to introduce the school to the college community and the general public. A reception will be given to the members of the school by President J. L. Snyder, of Michigan Agricultural College, on Friday evening of the first week.

The school will consist, at the new agricultural building of the Michigan Agricultural College and the other buildings, library, and general equipment of the college will be available for use by members of the school as far as may be required.

All correspondence relating to membership in the school should be addressed to Mr. A. M. Brown, Registrar, Michigan Agricultural College, East Lansing, Michigan.

A prospectus giving a complete schedule of courses and instructors and other information will be issued later.

MUSEUM OF MICROSCOPY

MISS FLORA WILSON

On Friday evening of this week, the Art Museum will give the concert by Miss Flora Wilson, soprano, and it is sincerely hoped that a large audience will greet her on that date. Enough has been said as to Miss Wilson's ability to entertain—there is no question about this. An appeal is made to both students and faculty to come out on Friday evening and hear this concert; not alone because the Liberal Arts Union needs your support, but because you will be highly repaid for doing so.

Mrs. C. E. Marshall will accompany Miss Wilson, who will prove of added interest to all music lovers at M. A. C.

Miss Wilson will be the guest of Dean, and Mrs. Brownell while here they have been friends at the Iowa Agricultural College.

BOX PARTY.

Prof. Macklin, the varsity football players and substitutes were the guests of Manager Williams, of the Gladner, on Sunday evening, to witness Edgar Selwyn's comedy, "The Country Boy." The play, which is the story of the romance of a farmer's son, a city girl, and the girl he left behind, was one of the best given in Lansing for some time. The box party enjoyed every minute of the evening, and appreciate very much the kindness of Mr. Williams. Through the Record Prof. Macklin and his players wish to extend their thanks to the manager for the most enjoyable evening's entertainment.

RESOLUTIONS.

Whereas, Almighty God, in His infinite wisdom, has seen fit to summon from our midst the mother of Loyd E. Eyer,

Be it Resolved, That the Forensic Literary Society extend its heartfelt sympathy to the family in their bereavement, and

Be it Further Resolved, That a copy of these resolutions be published in the Holand and the M. A. C. Record.

RALPH CARTY,
Vernon Proctor,
Committee.

L. W. Rice is a traveling salesman, located at Ada, in Kent Co.

ICU.

Our Registrar has recently received a photograph of Mr. Kolia San Thumbe, accompanied by complete information as to his activities since graduation. Mr. Thumbe has been interested in various enterprises, including the importation and sale of American agricultural goods, growth of cotton, bee keeper and fish breeder. In addition to his present work of importing American goods, he is also pastor of his people at Thayagon, Warhwa, P. O., Burma, via Brindisi, Asia.

B. F. Bain, of the above class, writes as follows: "Please change my mailing address at 1546 Washington Ave., N. S., Pittsburg, Pa. The plant of the Wolverine (Wolverine Supply Co.,) moved to this place last spring. Would be very glad if any of the M. A. C. boys, when passing this way, would stop off to see me. It is only seven miles ride on either the Woods Road or the Rut Reunion cars from the heart of the city." Mr. Bain extends sincere wishes for the continued success of M. A. C.

Maurice Thompson Ireland, son of Mark L. Ireland, '01, and Irma Thompson Ireland, '00, was born October 12th, 1911, at Manistee, Mich. Mr. Ireland will leave Lansing about Dec. 10th, 1911, to join Eust. Ireland at Fort Monroe, Va., where the latter is a student officer in the Coast Artillery School.

Bernard Nagelvoort, with class of '03, is assistant superintendent of construction, with the Packard Motor Car Co., of Detroit, and a member of the Detroit Engineering Society. His residence address is 1114 E. Buena Vista Ave., Detroit, Mich.

Charles Summer, of '09, is still located in San Diego, Calif. His temporary address, however, is 1102 Yeo Blvd., Portland, Ore.

Jay C. St. Zelw, has changed his residence, for the present, to Mesa, Ariz. He is located 20 miles south of Mesa on the Gila River, Indian Reservation, where the U. S. Reclamation Service is putting in an irrigation system for the Pima Indians. Mr. Stannard is in charge of this work.

There are two sources of supply—the Gila River when in flood, and the underground water, which is tapped by wells, the water from which will be pumped by electric power developed at Roosevelt, on the Salt River project.

D. A. Pelton, of the above class, is a practicing physician, with residence address at 411 Travis St., N., Sherman, Tex.

P. H. Shattlworth has changed his address from Buffalo to Lincoln, Ill, where he has charge of the lumber store of the St. H. Kraft & Co. at that place. Mr. Shattlworth adds the following P. S.: "Fritz Nicholas and I came down here about six weeks ago and took away one of our pretty girls.

Edwin W. Stock is assistant instrument maker with the Gulf Refining Co., of Port Arthur, Texas. In addition to his instrument work he has made secret plans, etc., above ground. Mr. Stock states that one of the most unusual of sights to him is the roses in full bloom. He likes the country, but not the mosquitoes.
As soon as the Michigan grower will put up an honest pack and select as carefully as he did his exhibition, Michigan apples will far outrank the rivals from the Pacific coast.

The display of the Western Michigan Development Bureau elicited special notice. A total of 134 cases, of which more than 400 are of different varieties, occupying one whole end of the room. The size of the collection, its excellent pack and tasty arrangement, certainly was a boon to the section of the state in which this display produced this "fruit with flavor," as its motto says.

The original Fruit Belt Association, from the southwestern section of the state, also had a splendid collection, though not quite in as large a scale as its northern neighbor. Each section had its bouquet along, telling visitors all about the merits of their country.

The individual displays were very attractive, and showed an excellent quality of fruit. Some of the novelties were: a house built of apples, an apple as big as a bushel of wheat, an apple as large as a barrel, and some imported French apples.

The display of our Hort. Department was very complete, showing effects of different diseases, coverings, and methods of handling and others in charge were kept busy answering questions.

Another instructive feature was the opportunity afforded of meeting some of the leading growers of the state, and Prof. Eliscante was busy all day long introducing them to his "exhibition boys," as some suggested.

ANDREW-VEDDER.

The marriage of Miss Norma Dodd Vedder to Dr. Harry I. Andrew, of Brinca, N. Y., was celebrated Wednesday evening, Nov. 8, at 7:30 o'clock, at the home of the bride's parents, Faculty Row, M. A. C. The guests were received by the bride and groom, Prof. and Mrs. L. T. Vedder, Miss Kathleen, Dr. and Mrs. Chapman, of Rochester. The bride and groom were unattended, and the ceremony was both beautiful and simple. Rev. Godsmith, of the People's Church, officiated. Banquet dinner of a choice course, coffee, punch, and wines and champagne, followed the ceremony, an informal reception was held. Members of the Farmers' Society served in the dining room, and Mrs. Elgin Millin, Mrs. J. L. Snyder, and Mrs. W. H. Barrows assisted in the parlors.

The bride and groom left Wednesday evening for a wedding trip of two or three weeks, and arrived Jan. 1 it will be at home at 311 N. Buffalo St, Ithaca, N. Y.

145. C. I. Brugger, for several years in charge of the asparagus farm at Ayrshire, E. P. H., has changed his residence at that place, and will hereafter be located on the home farm at Grand Lodge.

146. M. M. Buck, civil in man, is red man in the annals of the Illinois Central Railway, and just finished a two weeks' job for a big resistor. Mr. Buck, who is a graduate of L. C. school in railroad lines, and finds the work in concrete construction and signifying very interesting.

FOOTBALL.

M. A. C. WINS FROM THE RICHEYS.

In a game that was replete with suspense, the Mt. Union team went down before the farmers" 20-0, before the final whistle Friday afternoon, a score of 26 to 6. The visitors were in good condition, but in an effort to play a scrappy game through-out. That they had star players on their team was proven several times when home well planned for by the home team was cut short and the runner downed in a tackle. A stiff wind favored the west goal, and all but six points were made at this end of the field. In the first quarter, M. A. C. started right, Hill kicking a field goal from the 43-yard line, and shortly after the ball was pushed over for a touchdown, giving the home team a lead of eight points.

In the second quarter the visitors had the wind and made some good punts, but were held at the critical period. Neither side was able to score.

M. A. C. opened up with a rapid fire in the third, and added a touch-down and goal, with two-field goals by Hill. These last were made possible for the visitors had been forced to punt, M. A. C. signaling each time for a free catch. The mark made in the center of the field "bubbles" to make the desired points. The visitors then took a deep pass, and by a series of end runs and line backs carried the ball till within striking distance, when time was called for half-time.

At the opening of the third everything was in Ohio's favor, and by two brilliant line plunges and a forward pass they were able to carry the ball over. M. A. C. repeated that soon after, which ended the scoring, though some sensational plays were made during the remainder of the quarter.

The Mt. Union team played a good game, and fought to the last minute. M. A. C. was in good condition, and all came out in good shape.

OHIO NORTHERN.

The game with the Ohio Northern will be played on the home field Friday afternoon, instead of Satur-day, as formerly announced, enabling the players to see the Michigan-Pennsylvania game on Saturday.

PREMISES 11-18M I. 1893, 0.

Coach Ashley and his freshmen meet the Ferris Institute on their home field and won handily, 11 to 0, though it did in the last quarter. The condition of the field, coupled with the fierce wind, made good plays almost impossible.

Williams and Abbot Halls engaged in a very interesting game of football Saturday morning, which was in a scoreless. Abbot furnished the music (?)."
An eleven o'clock party is to be given by the Idlers next Friday evening, November 17th, in the Ag. Hög.

Miss Winifred Felton, '11, who is teaching in the public school of Eaton Rapids, was home last week for the Andrew-Vechten wedding.

The short course bulletin is now ready for distribution. Leave names of those who would like to be interested in the courses at the present time, and announce-ments will be mailed.

The M. C. A. Veterinary Association held a regular meeting in the lecture room last evening at 8:30. Dr. Lyman spoke on the subject of the “Value of Past Mortem Examinations,” not only to veterinarians, but to agriculturalists in general.

Through the courtesy of Mr. Edgar M. Ledyard, Entomologist at the Philippine Agricultural College at Los Harios, near Manila, the Botanical Dept. has been presented with a collection of more than 130 plants from the Islands. Mr. Ledyard is on a one-year leave of absence, and is spending the time at Ann Arbor.

“Big John” Altenf, with ’02, was a college visitor on Wednesday of last week, while he was in attendance at the State Convention of Implement Dealers, held in Lansing. Mr. Altenf is with the Case Threshing Machine Co., with headquarters at Alpena. He was one of our star football men in ’06, and won honors in the game that season.

Reports from Oregon are to the effect that Mr. and Mrs. O. I. Gregg are the parents of a baby boy.

C. D. Beebe, with the class of 1901, was a college caller one day the past week. Mr. Beebe is a prominent farmer at Clifton.

B. B. Pratt, '09, with the Bureau of Plant Industry, Dept. of Agriculuture, spent a short time at his home in Benton Harbor, and paid college friends a visit the past week.

The high wind Saturday evening did a lot of damage at M. A. C., than to unroof a portion of the tin from College Hall, and blew down the instrument house of Research Assistant Bonocous, of the soils department.

Hugh Glazer, ’07, visited college friends the past week. Glazer is still with the American Concrete Co. of Chicago, as superintendent, and his work takes him over a large territory in the south and west. He has been located in Detroit, Ill., for some time past, looking after construction work for his company.

The new addition to the Chase building is progressing nicely, and before many weeks will be in first class shape. The glass fronts are now in place, which makes the building take on a more finished appearance. A meat market will be installed in the rear, facing the east; the east half of the double front will be used for restaurant purposes, while the west half, including the former room, will be devoted to the grocery and drug trade, as heretofore.

Rev. T. A. Reid, of the African M. E. church, will speak in chapel Sunday morning at 9 o’clock.

Mrs. Ray Johnson (Alice Pettit), of Saginaw, came to M. A. C. the past week to attend the wedding of Norma Veldor.

The Ferentines gave a very informal party Friday evening. Uber and doughtants were served. Palms orchestra furnished music.

Miss Fannie Smyth was the guest of her sister, Mrs. E. U. Ruyer, over Sunday. Miss Smyth was a student at M. A. C. the past year.

Rev. Robert Goldsmith, for two years pastor of the People’s Church at East Lansing, pronounced his farewell sermon on Sunday, Nov 12 and left on Monday for New York, City, which will be his future home.

A rossing mass meeting was held Thursday evening in the Armory, in preparation for the M. Union game. Max Gardner was master of ceremonies, and speeches were made by Dean Lyon, Prof. Huligan and Jack Bowlditch.

Mr. George W. Briggs, with the Bureau of Insular Affairs, Washington, was a college visitor on Friday of last week, and was greatly surprised and pleased with the campus, buildings and equipment of M. A. C. Mr. Briggs is superintendent of the Philippine Normal School at Manila, and would like very much to interest M. A. C. students in the teaching proposition offered by the government.

Miss Margaret McKenna was called to her home in Gilmores Friday, on account of the death of her mother.

The juniors won from the seniors in the contest Saturday, 0 to 6. The sophomores will meet the juniors Saturday, when the championship will be settled.

The first day of winter was given in the Armory Friday evening by the first battalion. About 100 couples attended. Lieut. and Mrs. Cron and Sargent and Mrs. Cross were patrons.

At the Farmers’ Club meeting this evening, C. L. Coffeen speaks on “Principles of Plant Breeding;” P. B. Babler on “General Farming as a Profession,” and C. F. Barham on “Marketing Milk.”

The cold wave scheduled for M. A. C. on Saturday was a day late, but made up for lost time on Sunday. Quite a blizzard raged during the day, the mercury dropped with a third, and yesterday morning, the ground was covered with “the beautiful.”

Jack Bowlditch, now with Department of Animal Husbandry, has just accepted a fine position with the Russell Concrete Steel Co. of Detroit, and will assume his duties with said company on Jan. 1. Mr. Bowlditch’s work will be that of organizing a Farm Department, which department he will have full charge, including advertising, sales management, etc. The proposition is a good one, and carries with it a very attractive salary.
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HORT. CLUB.

Mr. H. F. Digby, manager of the Lansing Cold Storage Co., addressed the Hort. Club on Wednesday evening on the subject, "Storage of Fruit." His company, besides conducting a storehouse, business, buys fruit and produce and then reships to different parts of the country. The eastern cities and mining towns are found to be the best markets. He described the methods of storage, cooling, and ventilation. The essential thing with apples intended for storage is careful selection and handling. After the fruit reaches the warehouse, it is cooled to about 40 degrees, and then placed in storage at about 35 degrees. Circulation of air and good ventilation is afforded. The fruit is in a box packed before sale and shipment, unless there is evidence of decay.

AT THE DAIRY SHOW.

Prof. Anderson reports having seen a number of M. A. C. members at the big dairy show, held in Chicago recently. Among these were A. J. Anderson, manager of the Work Farmer; C. C. Taylor, '99; and L. R. Rink, '07, in charge of dairy manufacturing in Missouri. D. C. Pierson of Holland, who exhibited a fine herd of holsteins; and A. H. Crook, '99, a prominent dairyman of Three Oaks.

Michigan had the distinction of winning the market milk prize, with the highest score ever given at any show. This product was from the Rosefield Farm, at Silet, Mich. Two splendid herds of holsteins from Michigan were shown, and an exceptional herd of grade cows was shown by Mr. Barbour, of Birmingham. Michigan was well represented with her exhibits, and her exhibits were on a par with those of any State represented.

A NEW BULLETIN.

A most excellent bulletin has just been received from the press, which deals with the subject, "How Contact Insecticides Kill." The work is divided into two parts: 1. On the effect of certain gases and insecticides upon the respiration and respiration of insects. 2. Nature of lime-sulphur wash that make it effective in killing scale-insects.

The bulletin includes a number of plates illustrating the methods used by the author in securing his data, and the text is a product of long and careful study.

It is planned to carry on similar study along other promising lines, in the hope of discovering facts that may be utilized in perfecting and rendering more effective that great class of contact insecticides which, because of low efficiency or high cost, are little used when stomach poisons will not apply. The bulletin is the work of Dr. Geo. Shaffer, Research Agent, in Entomology.

The cross country team will meet Olive's 5 on the latter's home ground on Saturday, Nov. 25. Capt. Gehl and his men are fast rounding into shape.

The Thanksgiving recess which was granted by the faculty and mentioned in our last issue, was made permanent, and will therefore apply to succeeding years.

Nathan J. Gould, of the class of '11, was elected secretary of the class of 1914 at the University of Michigan last week. Mr. Gould is a student in the Law Department.

A. W. Brawther, '08, and wife were college visitors one day this past week. Mr. Brawther is a tool designer in Detroit, with residence at 838 Commonwealth Ave.

We are indebted to F. W. Howe for a copy of the Education Bulletin published by the University of the State of New York, on Farm Mechanics and Drawing Syllabus for Secondary Schools. In addition to the outline of study, there are ten plates of drawings. The drawing exercises are intended to occupy a regular recitation period of 45 minutes three times per week, alternating with two laboratory periods of 90 minutes each devoted to shop work in simple farm mechanics.

The purpose of the year's course is to give students of agriculture the ability to design and draw, and then work out much of the rough carpentry, simple blacksmithing and other forms of mechanical work often needed about the farm and buildings. The bulletin is, we believe, the first of its kind to be published for high schools, and certainly furnishes a valuable text. Mr. Howe is a graduate of M. A. C., and was for two years an instructor in soils. He is now connected with the Agricultural Extension work in New York.

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