

*"M. A. C. Cannot
Live On Her Past—*



*What Will You Do
For Her Future?"*

THE M.A.C. RECORD

State Board Will Ask \$250,000
For Library

—
The Rochester Meeting

PUBLISHED BY
THE MICHIGAN AGRICULTURAL COLLEGE ASSOCIATION
EAST LANSING, MICH.

DIRECTORY

LANSING BUSINESS AND PROFESSIONAL MEN

THE names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope the faculty and students will patronize those who patronize us.

A. M. EMERY

223 Washington Ave. N.
Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames. Fine Framing a Specialty. Loose leaf note books for all purposes.

BLUDEAU, SEIBERT & GATES Bookbinders

File Boxes, Map Mountings, Etc.
Citizens Phone No. 3019.
In City National Bank Building.

LOUIS BECK COMPANY

112 Washington Ave. N.
Correct Clothes, Up-to-date Hats and Caps, Classy Furnishings.

J. E. STOFFER, D. D. S.

Office 203-5 City National Bank Bldg.
Automatic phone 2361 Bell phone 61

ALLEN & DE KLEINE PRINTING CO.

128-130 Ionia St. W.
Printing, Typewriters, Office Supplies, Adding Machines, Programs, Engraved Cards, Filing Cabinets, Sectional Book Cases.
Bell 1094 Automatic 3436
Special care given to M. A. C. and its students.

ELECTRICAL EQUIPMENT COMPANY

Electric Supplies of all Kinds
Tungsten Lamps, Shades, Etc. Latest Improvements in Reading Lamps.
Motors and Generators.
117 Michigan Ave. E.

H. KOSITCHEK & BROS.

Lansing's Leading Clothiers
113 N. Washington Ave.

DAVIS'

QUALITY ICE CREAM.
Not a fad, but a food.
110 Grand Ave. S.

DR. J. S. OWEN

Eye, Ear, Nose, Throat and Fitting Glasses

Has removed from 115 W. Allegan St. to 208 S. Washington Ave. (over Gateley's Jewelry Store).
Citizens, 2724.

A. G. BISHOP

French Dry Cleaners, Dyers and Tailors

114-16 Washtenaw St. W. Both Phones.

J. H. LARRABEE

325 S. Washington Ave.
Sport Shop—Athletic Goods of All Kinds.

H. H. LARNED

China, Glass and Lamps
105 Washington Ave. S.

ALUMNI BUSINESS AND PROFESSIONAL DIRECTORY

PAGELSEN & SPENCER

Patents, Patent Law, Trademarks
1107-10 Chamber of Commerce Bldg.,
Detroit, Michigan
E. N. Pagelsen, '89 L. M. Spencer, '06
Formerly Examiners U. S. Patent Office.

SILAS E. CHAMPE, '06a, Attorney at Law

71 Washington Blvd.
Detroit, Michigan
Cherry 4511

SMITH POULTRY & EGG CO. Commission Merchants

Solicit consignments in
Poultry—Veal—Eggs
Guy H. Smith, '11
Western Market, Detroit.

GOODELL, ZELIN C.

(Forestry, M. A. C. '11)
Insurance and Bonds of Every Kind
If you haven't insured your salary, better see or write Goodell about a good proposition.
Lansing Insurance Agency, Inc.,
208-212 Capital National Bank Bldg.

HARRY E. SAIER, '11

Cut Flowers, Seeds, Trees and Shrubs
Greenhouse, W. St. Joe St.
Nurseries, W. Main St.
Retail Store, 109 E. Ottawa St.

KINNEY & ALLEN

Lansing Battery Shop
109 N. Grand Ave., Lansing.
E. E. Kinney, '15—S. C. Allen, '14.
Storage Batteries and Auto Electrical Troubles Our Specialties.

SAMUEL L. KILBOURNE, ex-'61 Lawyer

214½ Washington Ave. S.,
Lansing, Mich.

CORYELL NURSERY

Birmingham, Mich.
Growers of High Grade Ornamentals.
We raise a large variety of vigorous stock for home grounds and public parks. R. J. Coryell, '84, president; Ralph I. Coryell, '14, secretary and treasurer.

REMOVAL

Having been forced to vacate our present location, we have rented

SABINS'

Hardware Store

212 Washington Ave. S.,

Bought his stock, and same will be on sale next week. We wish to close same out; also FIXTURES, before we move.

Norton's Hardware

East Lansing Directory

DR. H. W. LANDON

Office hours: 7 to 8:30 a. m.; 1 to 3 and 7 to 8 p. m. Sundays, 12 to 1 p. m.
Citizens' phone 3261.

DR. OSCAR H. BRUEGEL

Cor. Michigan Ave. and Grand River Ave., East Lansing.
Hours: 7 to 8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sundays 12 to 1 p. m.
Citizens' phone 3244.

A. B. HARBORD

College Watchmaker
At Variety Shop.

"HANK" AND "FRANK"

Your barbers for the last five years.
Pool, Billiards, Cigars.
In the new Dickson Building.

WILDWOOD TEA ROOM

Service a la carte.
318 Abbott Ave., East Lansing.

Fountain Pens

Waterman's, Mercantile, Parker's, Etc.

\$1 to \$6, all guaranteed

—AT—

College Drug & Grocery Store

Full Line of Everything.
Agents for Star Laundry. Electric Supplies.

LOFTUS

Good Things
to Eat

EAST LANSING'S
LEADING GROCER

THE M. A. C. RECORD

VOL. XXII.

EAST LANSING, MICHIGAN, TUESDAY, JANUARY 30, 1917.

NO. 16

WESTERN NEW YORK ASSOCIATION BANQUET.

The Western New York Alumni Association held their annual banquet and reunion at Rochester on Thursday evening, January 25, at Hotel Rochester. While the attendance was not as large as it has been at some of the previous reunions, except for sickness in the homes of the members of the alumni living in Western New York, it would have been very much larger. It was greatly regretted that H. W. Collingwood, '83, was prevented from attending; also Dr. and Mrs. H. P. Baker, both of '01. However, the meeting was a splendid success in every way. All of the alumni about the table were called upon for short talks. A. H. Voight, of Los Angeles, had hoped to be present, but sent a telegram from Grand Rapids to the effect that he could not finish his business there in time to be in Rochester for the evening. Dr. A. E. Smith, '81, made a splendid talk, which included a plea for the retention of College Hall that completely won over the more recent graduates as to the desirability of retaining the ancient structure. Dr. Smith also told in a most dramatic way of his arrival at the College in 1877 with just 50 cents, and how, during his course here, his mother was able to send him but \$40. He had the northwest corner room in William Hall on the second floor, and the three windows had blue curtains. Many an afternoon he used to draw these curtains and feel bluer than they were when he had but 5 cents to face the future.

Mr. O. L. Hershizer is the president of the association and presided delightfully over the affair. He expressed the hope that something will be done to retain the Split Rock; that it will be nicely fenced and taken care of.

Mr. H. J. Eustace was the representative from the College, and his remarks about the necessary expense of attending College at the present time, backed up by an actual expense account since the freshman year of a present senior student, proved to be very interesting, especially to the older alumni.

The following were present: Mr. and Mrs. Hershizer, Dr. and Mrs. B.

S. Palmer and Miss Palmer, '81; Dr. A. E. Smith, '81; Milton St. John, '83. This is the first time the latter had seen Dr. Smith since graduation, and in his talk he expressed the pronounced character of the alumni of M. A. C. when he said that when he came to the meeting he did not know any of them and before he had been there a few moments he knew he was among old friends. Prof. C. A. McCue, '01; Mr. and Mrs. W. J. Wright, '04; F. W. Howe, '09; C. C. Taylor, '09; Mr. and Mrs. C. E. Pinney, '14; Mr. and Mrs. Stanley Martin, '12; Mr. and Mrs. M. G. Kains, '95, Mr. J. J. Harris, '12.

The next meeting will be held in Syracuse and the officers of the association were elected as follows:

President, F. W. Howe; vice president, H. P. Baker; secretary, W. W. Rider; treasurer, J. F. Baker; member of the executive committee, W. J. Wright.

SHORT COURSE MAN TAKES PRIZE AT HORT SHOW.

The prize for the best exhibit of apples at the annual horticultural show held Friday and Saturday in the Agricultural pavilion went to Hawley of Ludington, a former short-course man. W. H. Chapman of Bangor took second honors, and C. B. Cook, '88 of Owosso third.

In the contest between the states, Washington, with an exhibit put up by D. F. Fisher, '12 and Malcom Brown, '17, took first. Massachusetts was second, and Ohio third.

The co-ed pie contest was one of the interesting features of the show. It was won by Bernice Horton, a senior student from Bath. The prize was \$5.00. When sold at auction the pie brought \$1.75. Second prize went to Dorothy Klein of Birmingham, and her pie sold for 85 cents. Dorothy Lillie of Coopersville won third prize and her pie sold for \$1.65.

The exhibit of apples at the show was larger than ever, many of them coming from the show at Grand Rapids. The general arrangement of the exhibit was about as usual with the exception of the greenhouse plants. With these a veritable tropical glade was fixed up at the east end of the building and a cataract of water lent

an unusual and beautiful aspect to the show.

M. A. C. alumni contributed quite generously to the exhibit. In addition to those mentioned above the following were among those who sent fruit: Paul Thayer, '00, of Wooster, Ohio; U. S. Crane, '11, and H. B. Crane, '14 of Fennville.

STATE BOARD MEETING.

The State Board of Agriculture met at the Downey House, Lansing, January 24, with President Kedzie and Messrs. Doherty, Wallace, Woodman, and Beaumont present.

One of the important items of business was the authorization of the secretary of the board to have a bill introduced in the legislature asking for a special appropriation of \$250,000 for a library building.

The president presented correspondence between himself and Mr. Brewer, of the University of Missouri, with reference to his employment as director of athletics. The board approved the president's action in the matter.

On motion of Mr. Wallace the chemical laboratory is hereafter to be called the Kedzie Building.

It was resolved that the resolution passed at the July meeting, setting aside \$70,000 for the completion of the gymnasium, is hereby revoked and that the same sum be restored and credited to the current account, it being the purpose to apportion a like sum to the gymnasium fund after July 1.

Prof. French and Superintendent of Public Instruction Keeler presented their views of the legislation now pending in congress known as the Smith-Hughes bill. The matter of suggesting a state board to be incorporated in a proposed bill to the legislature, accepting the terms of the Smith-Hughes bill above referred to, if the same shall be enacted a law by congress, was referred to President Kedzie and Superintendent of Public Instruction Keeler with power to act.

The appointment of Miss Clare King Morris to the position of extension worker in home economics until September 1 was approved.

The secretary was directed to draw an enabling act permitting the board
(Continued on page 4.)

THE M. A. C. RECORD

Published Every Tuesday During the College Year by the Michigan Agricultural College Association.

Entered as second-class matter October 30, 1916, at the post office at East Lansing, Michigan, under the Act of March 3, 1879.

C. S. LANGDON, '11, Managing Editor.

SUBSCRIPTION PRICE, \$1 PER YEAR

Subscriptions may be paid for by P. O. Money Order, Draft, or Personal Check.

TUESDAY, JANUARY 30, 1917.

A LIBERAL LECTURE.

No one has a right to say now that students in technical lines of education cannot appreciate and do not respond to poetry. A crowded armory, even to the "galleries;" every seat taken, with standing room at a premium; eager listeners, drawn to the edge of their seats—these are some of the items in evidence of the appreciation which greeted Alfred Noyes in his lecture last Tuesday evening. Noyes recognized this interest, for he is said to have remarked: "That audience meets you more than half way."

It was an unusual frame of mind in which the distinguished English poet left his M. A. C. audience. They recognized the beauty and vigor of his poetry. They also got a glimpse of bits of English life in the present conflict. But more than this, they were raised out of the commonplace considerations in which students in technical education are likely to fall.

The M. A. C. family needs more such lectures as this. Then the course might be truly a "liberal arts course."

EARNINGS OF CIVIL ENGINEERS.

The most complete investigation ever made to determine what are the average earnings of men engaged in civil engineering has been completed by a committee of the American Society of Civil Engineers. The report of the committee's findings appears in the December "Proceedings" of the organization.

The data was on 6,378 different individuals. The committee believes that the average salaries are a little larger than would obtain if all civil engineers were included, since the ones reporting were all members of some engineering organization.

When classified as to nature of service the salaries were as follows: Contractors, \$7,678; consulting engineers, \$6,737; private companies, \$4,240; railroads, \$3,335; technical schools, \$3,240; municipalities, \$2,994; national government, \$2,899; states and counties, \$2,735. This gives an average salary of \$4,032.

The report points out that the civil

engineers who have been fortunate enough to be sent to foreign countries are the best situated with regard to salaries, their average being \$5,170; those working in the Middle States are next with an average of \$4,194; Central States, \$3,813; New England, \$3,602; Western, \$3,548; Southern, \$3,803; average, \$3,905.

From the meager information which the committee could obtain it was convinced that the compensation for engineering work compares favorably with that received by men of other professions.

* * *

LOCAL CONDITIONS.

When local conditions are taken into consideration we would say that salaries in civil engineering, according to the above report, compare very favorably indeed with those of teachers. It hardly seems possible that the average quoted can be the true state of affairs. But the time will probably never come when teachers in educational institutions will command as high salaries as they would in the business world. There are remunerations in educational work which will always induce high-minded individuals to take it up at financial sacrifices. But the difference must not be too great. The man in educational work must receive such salary as will enable him to have a fairly high standard of living, to raise a family, to be able to contribute to needy causes, to provide against old age, and to meet the expense of advanced study which is absolutely necessary in order to "keep up" educationally.

From the 1916 report of the State Board of Agriculture, which has just come from the printers, we find that the average salary of those hired as teachers at M. A. C. is \$1,572, the individual amounts varying from \$700 to \$6,500. Considering those classed as instructors, of which number there are 92, the average is \$1,141.

It is well to face actual living conditions at M. A. C. when these figures are considered. Undoubtedly salaries should be higher all along the line, but the greatest pressure of living costs is in the lower classes. Almost any instructor, even with an average or above the average salary, will tell you that he cannot make ends meet, to say nothing about contributing to the church, the Belgians, an old age fund, or setting something aside for advanced work. In fact quite a number of instructors are getting aid from home or depending upon summer work to "square themselves." And we do not believe that instructors can be charged with extravagant living. Just to drop in on a family unexpectedly at meal time would convince any outsider of this.

Of course this year has brought unusual conditions. The high cost of foodstuffs, rent, and fuel are very real. Coupled with this is the fact

that, due to the burning of the engineering building and its replacement, there were almost no increases in salary last year. This makes a double burden on those who were formerly close to the line. Considering these difficulties we believe the instructors have been most loyal in sticking to the ship. And we believe this loyalty will be recognized. In this discussion we do not wish to be understood as being official spokesman for the teaching staff. We have merely pointed out some facts that must be faced.

* * *

NAMING BUILDINGS.

We hope that the action of the State Board of Agriculture at its last meeting in naming one of the buildings on the campus after a noted M. A. C. professor will not stop there. The Record has often advocated the naming of our buildings and believes there are other professors whose memory might be fittingly honored in this manner. We get tired of referring to the Agricultural, Entomology, Forestry, Botany, Bacteriology, Horticulture, and Woman's buildings as such. Let's give them a more personal aspect by naming them after noted professors. Here's a suggested list: Miles, Bogue, Beal, Cook, Marshall.

* * *

STATE BOARD MEETING.

(Continued from page 3.)

to appropriate funds for the purpose of co-operating with the city of East Lansing in paving Grand River Avenue.

The recommendation of the president that the tuition fee for foreign students be increased from \$5.00 to \$15.00 was approved. The secretary was directed to advertise in the M. A. C. Record the sale of Dr. Beal's "History of the College" and Prof. Barrow's "Michigan Bird Life."

The resignation of Mr. Tulley as instructor in poultry husbandry and superintendent of the poultry plant was accepted.

The request of \$200 additional appropriation to the English department to care for the traveling expenses of the debating teams was approved.

Dean White was authorized to attend the meeting of the National Educational Association at Kansas City, February 26-28.

The Board accepted the following report, which was submitted by a committee of the College faculty chosen by President Kedzie to consider a memorandum of soil and economic survey presented by R. C. Allen, state geologist, and others, under date of January 9, 1917:

(1) We believe a soil and economic survey of the newer portions of Michigan would be of great service in stimulating and directing agricultural development. In such a survey we

would consider investigations relating to soils, climate and other natural resources as of primary importance, and other economic phases mentioned in the memorandum as secondary because of their dependence on the former and the possibilities of speedy and radical changes.

(2) If legislation should be enacted authorizing investigations as described by this memorandum, it is our opinion that the Michigan Agricultural College should not be charged with the administration of the same because of the varied economic, sociological and industrial features included in the addition of the soil survey.

(3) At the same time we are thoroughly of the opinion that if state legislation authorizes and provides for the conduct of investigations as described in the memorandum, a co-operative agreement should be made between those charged with the administration of the investigations and the Michigan Agricultural College relating to the agricultural or soils investigation phases of the work. The special training of men in Soils and Science and the varied and extensive facilities of the College would aid in providing co-operators who should see clearly, interpret correctly and direct safely.

(4) We believe the newer portions of Michigan are not only greatly in need of a soil survey but require an agricultural survey in its broadest sense involving the co-operation of soil physicists, crop experts, animal and dairy husbandmen, horticulturists, geologists, chemists, meteorologists, botanists and other scientists as well.

(5) If legislation is enacted as suggested in the memorandum, and if co-operation should be established between those charged with administration and the Michigan Agricultural College the specific point of attachment should be with the Experiment Station, as the work would be primarily of an investigational character.

(6) We are so positive of the great need of the investigations outlined in the memorandum that we desire to give it our indorsement and express the earnest wish that provision may be made for the establishment of the work on the basis heretofore outlined at an early date.

RESOLUTION.

Inasmuch as it has pleased the Almighty God to take from this vale of tears, our beloved friend and schoolmate, and believing that our Earthly loss is his Heavenly gain, we, the M. A. C. Association of Northern Ohio, hereby express our grief and extend our sincere sympathy to the bereaved wife and parents of H. D. Fargo.

B. A. STOWE, President.

R. M. LICKLEY, Secretary.

At Cleveland, Ohio,

January 25, 1917.

THE NEW ATHLETIC DIRECTOR



CHESTER LELAND BREWER

Chester L. Brewer, Professor of Physical Education and Director of Athletics—this will be a new liner in the M. A. C. catalog for next year. President Kedzie met Brewer in Chicago Monday night and closed the deal.

The new gymnasium, splendid prospects for the future, and the silent call of thousands of alumni and former students were enough to turn the trick. President Kedzie announced that Director Brewer will come to East Lansing about August 1.

M. A. C. alumni do not need to be told anything about the new director.

They may be interested to know what Missouri people think of him. He has been at the M. U. six years.

President Hill of Missouri University said at a football banquet this fall, "Our athletic department is one of the models of its kind for the entire country." At the banquet Brewer was introduced as "the squarest man in the Missouri Valley." This last year Missouri had the valley championship team in football and track, tied for honors in baseball, and had the best basketball team in its history.

CORRESPONDENCE.

REGARDING THOSE WEEKLY LUNCHEONS IN CHICAGO.

Editor M. A. C. Record:

Want to advise you that the Chicago Alumni Association is doing a war-bride business. Our luncheons are getting better every week, and the attendance is beginning to cramp our present quarters in the Intercollegiate Club. Today we had fifteen fellows out and had one of the best feeds put out in the city at the price.

The following grads and ex-grads were present: Smith '13, Henry '15, Allen '17, Mather '13, Van Kerkove '13, Woodin '13, Nies '13, Woodworth '86, Newell '10, Zierleyn '15, Taggart '16, Estelle '16, Barman '14, and

Burns '13. Some outlay, eh? I'll bet that there is no other association in the whole bunch that can show as large a crowd at their weekly luncheons.

This noon plans were laid for the annual banquet and dance which will be held either the last Saturday night in February or the first one in March. "Prexie" Kedzie has already stated that he will be with us and we expect several other M. A. C. people to be on hand to tell us all about the present activities of the College. Will give you full details of the plans at a later date.

Might mention that the weekly luncheons are held Thursday at 12:30 noon, in the Intercollegiate Club, on the sixteenth floor of the Stevens Bldg.

I. J. WOODIN.

FROM OUR REPRESENTATIVES IN CHINA.

The editor here quotes from a letter received from Mr. and Mrs. R. W. Powell, '11 and '13 respectively, who went to China last fall as instructors in the school at Changsha, known as "Yale in China," which is supported by Yale University.

"We arrived in Changsha on September 27th, after a most delightful journey of exactly seven weeks. One day was spent in Honolulu, where we were shown about the city and splendidly entertained. We had the good fortune to reach Yokohama ahead of schedule, due to the fair weather encountered, and spent four days in Japan. We visited Kipling's "Buddha at Kamakura," and spent one day in Tokio, one in Kobe and one in Osaka. Japan makes an excellent 'reception room' for the Far East. Everything is oriental, but it is all so clean and artistic that one is wholly charmed.

"We spent only two days in Shanghai and they were both occupied in buying necessary supplies. * * * One afternoon we did take a carriage out to St. John's College, and were very much pleased with their campus, which was as beautiful as one would find in a small college in America. We went to Nanking by rail, spending one night in Soochow with missionaries we met on the Tenyo Maru, and another night with friends in Nanking. Otherwise we came straight up the river, changing boats at Hankow and reaching Changsha by steamer. In that last respect we consider ourselves fortunate, as the water very soon got so low that the steamers could not reach this place. They will not come this far until the rains begin in January.

"Changsha is situated on the east bank of the river and is surrounded by a wall five miles in circumference. The Yale campus is just outside the North Gate. The new dormitory, chapel and recitation hall have just been completed so that the college is entirely out of the city. Four faculty houses are also completed and two more are nearly finished. A large hospital is being built but now both the hospital and medical school are in the city. The residence compound in the city is just around the corner from the hospital and that is where we live. We were given the choice of a section of a Chinese house and the third floor of a large building which was formerly used by the owner as a library. We chose the third floor, as it was much drier, lighter and in better condition than the other house. We have a living room and dining room combined, a study, bedroom, bathroom, storeroom, pantry and kitchen. There is a veranda all around each floor and we have a beautiful view over the tiled roofs to the river and the hills beyond. We are really almost as cosy as we would be in an apartment in America. We have three servants, a cook, a boy and a coolie. The cook

has proved satisfactory and the food is remarkably like that in America. In fact, we cannot say we are undergoing the slightest hardship in that respect. Our only fault is that the cook takes too much pleasure in his task and every day is Thanksgiving. The boy is quite provokingly ornamental. So far as we can determine he only waits on the table and makes the beds and sees that the coolie does the rest. However, he waits on the table very well and \$7.00 Mex. a month (without board) wouldn't procure much service in America. The coolie seems to know all the work is coming to him, for he is very cheerful and happy. He likes to talk Chinese to me and seems to think if he only gets near enough to my face and talks loudly enough I will understand everything.

"Yale gives an eight-year course corresponding to an American high school and college. The high school has about 40 students in each class, while the college is much smaller, having about 10 seniors, no juniors, 3 sophomores and 12 freshmen. On account of changing the date of opening school from January to September, there are now two senior high school classes, one half a year ahead of the other. Ralph has them both in physics, but one class will finish in January and then he will have time for some language study. The medical college plans to give a five-year course in medicine, besides a two-year preparatory course. There are also schools for men and women nurses. There are at present nine first-year medical students, ten in the upper

preparatory year and twenty-two in the lower. Ralph is teaching physics to each of these three classes now, but the first-year class only lasts till January. The lowest class causes the most difficulty because their English is not very good as yet. The other men understand and speak English fairly well.

"On Sundays Ralph helps in the Y. M. C. A. meeting in the medical school at 9 o'clock. Every student is a member of the association and the majority of them attend, although only about ten are Christians. My purely missionary work is confined to teaching English to the men nurses two afternoons a week. Most of them are bright boys and I enjoy it, though only two hours of English a week makes their progress very slow. My major occupation is language study. I have two teachers for an hour each the first thing in the morning. They were sent to a special summer course which the Nanking Language School held for native teachers and we are told they have improved wonderfully. They are enthusiastic over the Nanking method and are administering it in large doses. They seem to be anxious to make a showing, as there are six people who stopped at Nanking for a year, and five of us who came on here. I have learned about 150 out of the 1,000 characters I am supposed to know at the end of the year. It takes hours of hard work to fix the queer things in one's mind. It is not so very difficult to learn to make one's self understood but it is quite another matter to speak good Chinese.

"Sunday afternoons we attend the union English service, which up un-

Outwitting the Frost King

When the snow lies deep on meadow and pasture, the farseeing dairyman rejoices in his trusty Natco Silo. Sweet, juicy and free from mold, the silage holds the cows to full milk flow and puts flesh on the steers and fattening lambs. Your corn crop will go 40% farther when preserved in a

Natco Imperishable Silo

"The Silo that Lasts for Generations"

Built of glazed hollow tile impervious to air and moisture, and frost-resisting. It's the silo that needs no repairs—no painting—has no hoops to tighten. Strongly reinforced and fully guaranteed. Simple in design; only two shapes of tile used; any mason can erect a Natco. Will increase the value of your farm.

Send for our Silo catalog and our book, "Natco on the Farm,"—both free. Tell us what you intend to build. We have valuable building plans—free. Write today.

National Fire Proofing Company
1143 Fulton Bldg., Pittsburgh, Pa.

23 Factories
Prompt Shipments
Short Hauls



til the present has been held in the Yale chapel, with a different minister each Sunday. We cannot do much else until we can speak Chinese. There are now twelve families connected with the Yale mission, not including four bachelors, two unmarried women and two families on furlough. The other larger missionary groups are the Presbyterian, Norwegian and Wesleyan Methodist. There is an Episcopal Mission right near us and the China Inland Mission and American Bible Society also have stations here. There seems to be a strong community spirit between the missionaries, including some of the business people. The Yale group contains people of quite widely differing tastes and characteristics, so there is nothing monotonous about the social life here. The chapel alone has representatives from America, England, Germany, Norway and China. Five o'clock tea is an institution every one seems to have adopted from the English and it is remarkable how quickly you fall into line. Teaching is over then and we quite enjoy having friends drop in for a half hour's visit.

"MAUDE NASON POWELL."

OPPORTUNITIES FOR GRADUATES IN WEST INDIES.

Some time ago President Kedzie received a letter from F. T. Maxwell, vice president and general manager of the Guanica Centrale, a company dealing very largely with the growing and manufacturing of sugar in Porto Rico. The Record is glad to print excerpts from this letter, not only because of the opportunities presented for M. A. C. graduates, but in order to show something of the work and life in this neighboring agricultural region.

"For your entire understanding will say that we are large growers of sugar cane and manufacturers of sugar, having some 16,000 acres in the cultivation of sugar cane here in Porto Rico and 5,000 acres in the Island of Santo Domingo, some 120 miles from here. We go in for rather intensive cultivation, we fertilize on a large scale and have a considerable irrigation system. We do a large part of our plowing with steam plows, but also do a considerable amount of plowing with oxen, and employ mules to consider-

able extent in light cultivation. We have many problems to deal with in our agricultural work, plowing as stated, a great deal of hand implement work, a large amount of drainage as well as irrigation. We also have to combat various cane pests, animal and fungus.

"My desire now is to bring in some fresh blood and, notwithstanding that I am from Louisiana where, as you know, there are extensive cane sugar plantations, I want to secure some young men from the Middle West and if possible would like to get men with a strain of Germanic or Scandinavian blood in them, and it has occurred to me that it is more than probable that at the Michigan Agricultural and Mechanical College you have a good many men of that type, of first, second, or third generation. Your experience may be different from mine, but I have found that such men as described working in places remote from their homes are usually more content and stick longer than the general run of young Americans of many generations.

"I would want these men to have good knowledge of the care and general treatment of livestock, also to

WOLVERINES FOR THE ALUMNI.

The advance sale of the Wolverine shows that the '17 Annual will be in demand. Today receipts show that \$400 have been collected. Many discounts will be realized by having this money at our early disposal. So we are asking active and alumni members of the M. A. C. family to pay a dollar down and the rest in April.

We sell 900 Wolverines to 2,000 students. How many can we sell to 3,000 alumni? Will you help make it 200? Friends, it is up to you whether this is a great success or not.

As an inducement for you to place your WOLVERINE order now, we will have your copy stamped with your name in gold leaf on the cover—free! If you want to help in maintaining the prestige of the college for producing "The Finest College Annual in America,"

SEND A DOLLAR OR COUPON TO THE WOLVERINE BOARD.

THE WOLVERINE BOARD,
East Lansing, Michigan.

You may count on me to help.

In order to receive a 1917 WOLVERINE, stamped free with my name in gold on the cover, I am sending one dollar and agree to pay \$1.50 before April 21, 1917.

Name _____

Address _____

This FREE OFFER expires Feb'y 8, 1917.

The 1917 WOLVERINE

Your Name Stamped
in Gold on Your Copy
of the '17 Wolverine--FREE.

This Year, More than Ever Before, The Wolverine
Needs the Support of Everyone Loyal to M. A. C.

ALUMNI, this means you, too! This is the first time in twelve years that the WOLVERINE BOARD has asked for the co-operation of the Alumni. And it has a reason.

This book may well be called the first Alumni edition, for besides the present college activities, we will feature a novel write-up of our twenty greatest Alumni, devote a generous portion to the Alumni Association, and dedicate the book to one of our dearest Alumni.

*Fill out attached return coupon and mail to WOLVERINE BOARD,
East Lansing, TODAY!*

know something about the practical part of putting up ensilage, a practice that is new to us here. If your agricultural students have some training in the care of animals and treatment of diseases and in the matter of breeding, so much the better, as on our estate in Santo Domingo we raise horses, mules and cattle.

"Needless to say, we want strong, healthy men and do not want intemperate men, or in the vernacular, "boozers," under any circumstances, for we will not keep such men in our employ.

"We would be willing to pay such men as I have described for the first year \$75.00 per month, with their quarters furnished them, but subsistence for their own account and this usually runs around \$25.00 to \$30.00 per month. We would pay actual first-class traveling expenses from their homes to estate in Porto Rico or Santo Domingo and at the expiration of their term of service would allow first-class transportation from Porto Rico or Santo Domingo back to New York City. Every second year we give such employees who are to continue in our service vacation with pay for six weeks to two months, depending on circumstances, and, in such cases, we pay transportation to New York City and return from New York City. While in our service we carry accident insurance at our expense for the amount of the employee's yearly salary and for the benefit of the employees. We furnish hospital, medical and surgical attention free of charge for the ordinary ailments and for any operation that might be due to accident. For operations that might have nothing to do with their services for our company, for instance appendicitis, a reasonable charge is made by our surgeon.

"Finally, the agricultural end of the cane sugar business is a wide field and the demand for good men is great and salaries for those who make good are very satisfactory. For your information will say that there are a large number of men in the agricultural end of cane sugar work who get salaries running up into thousands of dollars per year. Some men with exceptional ability forge ahead very rapidly; as an instance, I know a young man from Kentucky who had never seen a stalk of cane growing until about three years ago when he came to one of the West India Islands at \$75.00 per month and who is now in another West Indian Island getting \$4,000.00 per year."

ALUMNI VISITORS.

The following alumni registered last week: J. A. Mitchell, '09, and Ruth Edwards Mitchell, 11, Quincy, Cal.; A. B. Cook, '93, Owosso; Chas. A. Ward, '82, Lakeland; E. A. Holden, '89, Lansing; H. J. Bemis, '12, Chicago; R. E. Decker, '15, Plainwell; Bert Edger-ton, '10, Detroit.

BASKETBALL.

M. A. C. 39, I. A. C. 27.

Team play, aggressiveness, and an ability to shoot baskets when the opportunity presented itself won the game for M. A. C. which was played with the Illinois Athletic Club in the Armory last Friday night. It is reported that it was the third beating the I. A. C. had received in seven years.

During part of the first half the I. A. C. boys were in the lead, but consistent pegging ended the half in M. A. C.'s favor, the count being 11 to 9. During the second half Chicago quit the floor at one time on account of a misunderstanding as to officials. They were finally induced to return and finish, but the occasion left such a bad taste that Coach Gauthier declared after the game that M. A. C. would schedule no more games with an independent team of this kind.

The final score was 39 to 27. Peppard led in the number of baskets from the field. Murray got 3, Vevia 6, and Frimodig 1.

M. A. C. 31, NOTRE DAME 25.

The quintets representing M. A. C. and Notre Dame staged one of the fiercest and toughest games ever seen in the Armory Saturday night. From the start it was evident that the score would be close all the way. M. A. C. finally landed on the heavy end of a 31 to 25 score.

During the first half the play was fairly fast and clean and at half-time the Farmers were in the lead with a 15 to 8 score on the board. The second half opened up with Notre Dame bound to roll up points, but unfortunately for the Catholics their opponents had the same intentions. The half was rough and men were sprawled on the floor most of the time. Peppard and Vevia for M. A. C. scored 21 points between them, while McDermott for Notre Dame scored 19 of the 25.

NEWS AND COMMENT

J. F. Cox, assistant professor of farm crops, had a splendid article on breeding pedigree seeds in last week's *Country Gentleman*.

The Dramatic Club, under the leadership of Prof. E. S. King, will present "The Snowball" in the Armory this Wednesday evening.

Frederick Palmer, noted war correspondent, will be the next speaker on the Liberal Arts Course. He will lecture next Tuesday evening.

Nathan C. Shaeffer, superintendent of public instruction for Pennsylvania, (Continued on page 9.)

Northwestern Teachers' Agency

Largest in the West—For the Entire West Only and Alaska.

HOME OFFICE - - - BOISE, IDAHO

Progressive---Aggressive---Your Best Medium to Secure a Western Position.

Write immediately for free circular.

HOTEL HEADQUARTERS

FOR M. A. C. PEOPLE

HOTEL STATLER Detroit

1,000 rooms—1,000 baths.
400 rooms (with shower bath) at \$1.50 and \$2 a day. Club breakfasts.
Grand Circus Park, between Washington Boulevard and Bagley Avenue.

NEW BURDICK HOTEL Kalamazoo, Mich.

Fire proof construction; 250 rooms; 150 rooms with private bath. European plan. \$1.00 per day and up.

THE PARK PLACE HOTEL Traverse City, Mich.

The leading all-the-year-round hotel of the region. All modern conveniences. All outside rooms.
W. O. Holden, Mgr.

OCCIDENTAL HOTEL Muskegon, Mich.

150 rooms. Hot and cold water and telephone in every room. European plan, \$1.00 and up.
Edward R. Sweet, Manager.

When in Pontiac Stop at HOTEL HURON

Central location, near Court House. All outside rooms. Cafe in connection. Rates \$1.00. Rooms with private bath, \$1.50.
Phone, 671-W.

The sweetest story ever told

Liggetts Candy

ALWAYS FRESH

C. J. ROUSER DRUG CO.

For 21 Years

Printers of the M. A. C. Record

Lawrence & Van Buren
Printing Company

210-212 North Grand Ave., Lansing

NEWS AND COMMENT.

(Continued from page 8.)

spoke at Chapel exercises last Sunday morning. Dr. Schaeffer has held his present position since 1893. He was the guest of Dr. and Mrs. Snyder.

A faculty basketball team is in process of organization and will play in the preliminaries to some of the varsity games in the near future. Cox, Hasselman, Leroy, Bibbins, Nicholson, Gauthier, and Beatty are some of those interested.

J. B. Muncie, assistant in plant pathology in the Experiment Station, talked before the meeting of the Michigan Bean Jobbers' Association in Detroit last week on "The Control of Bean Anthracnose Through the Use of Idaho Seed."

Dr. E. A. Bessey is spending the first part of this week in Pittsburgh in conference with representatives of the United States Department of Agriculture, The Heinz Pickle Company, and experiment stations at Wisconsin and Indiana, on the question of pickle diseases. This is the line of work in which S. P. Doolittle, '14, has been engaged for two years.

RADFORD, '01, ADDRESSES ENGINEERING MEETING.

Fred L. Radford, '01, chief draftsman for the Reo Motor Company, gave members of the Engineering society some advice last week on the attitude the engineering graduate should assume on entering the commercial drafting room. Radford prefaced his remarks by saying that that was the first time he had ever been inside the Agricultural building.

ALUMNI DRIVE TO FLORIDA.

This week Otto Vergeson, '15, of the State Highway department, and L. P. Dendel, '14, of the Michigan Millers' Insurance Co., start on an auto trip to Palm Beach, Florida. They have bought a Scripps-Booth for the trip. They will go down by way of Toledo, Cincinnati, and Chattanooga, and back by the Atlantic states. Both men are on their vacation.

TREATING OATS FOR SMUT.

Under the auspices of Sem Bot, honorary botanical organization, an educational movie showing the use of formaldehyde in treating grains for smut was recently shown at the Elmac for the benefit of some 250 short-course men. This is part of the program of the Botany department for securing a wider use of formaldehyde over the state this next spring than ever before. The department is advocating a new method of application, first used and recommended by Cornell uni-

versity. In this method the concentrated formaldehyde is sprayed on the oats with a hand atomizer, a little shoveling done, and then the oats are shoveled into a pile and covered with canvas or blankets. The formaldehyde vapor then comes in contact with every smut spore. This system does away with the use of so much water and consequent handling to dry the oats, as was necessary under the old methods.

RIFLE CLUB CONTEST STARTS.

The M. A. C. Rifle team turned in a score of 947 in the first of the series of official shoots of the year. This is a low score compared with last year—a perfect score (1,000) being turned in for every match but two—but all hopes of high scores went by the board as soon as the members of the team saw the official targets. The bull's eye is but 5/16 of an inch in diameter, where last year it was 1/2 inch. Then the fact that one-half the shots have to be made from the standing position this year will greatly reduce the scores. There is some satisfaction in knowing that every team is up against the same conditions, however. The five best scores last week were: S. W. Harmon, 196; R. A. Pennington, 191; R. W. Berridge, 188; R. W. Shane, 188; R. D. Kean, 184.

It is not known yet whether there is any change in the personnel of Class A in the intercollegiate matches. It is expected that the University of Michigan will be raised to this class, however, as she headed the list of Class B teams last year, with a higher record than the lowest of Class A teams.

ALUMNI NOTES

'99.

Arthur S. Eldredge, '95-'97m, visited college friends last week. He is now president and general manager for the Northwest Buick Company, Pacific Northwest distributors, at 802 East Pike Street, Seattle. He had many stories to tell of the days when he roomed with "Bill" Merkel in 21 Williams.

'03.

Harvey D. Fargo, e, died in Cleveland, Ohio, January 23. He had been in ill health for some time but acutely only a few weeks before his death. Tuberculosis was ascribed as the cause. In Cleveland Mr. Fargo was structural engineer with the Wellman-Seaver-Morgan Co. In his college days he was active in athletics, captain in the cadet corps, and a member of the Hesperian society. He is survived by his widow. Burial was in Mt. Hope cemetery, Lansing.

'04.

Frank T. F. Stephenson, '90-'92, is a physician at 873 Trumbull Ave., Detroit.

A WRITING MACHINE does every class of work on the same machine. It is flexible.

A TYPEWRITER does only straight-away copy.

THERE IS BUT ONE WRITING MACHINE in the full sense of the word.



MULTIPLEX HAMMOND

Many Typewriters in one. Instantly Changeable Type. Change Your Type in a Second.

It will do all that other machines can do BUT IT STANDS ALONE in the special fields of writing endeavor. For instance:—

Literary People

because of its instantly changeable type system, with many styles of type and many languages. Two sets of type always on the machine—"Just Turn The Knob."

Libraries

because it writes cards perfectly flat—without bending. Condenses in miniature type, writes name in large type. "Just Turn The Knob."

Social Correspondence—Private Secretaries

because of the dainty small type and high individuality of the work. Its refined and aesthetic appearance, and also the language possibilities.

Business Executives

because of individuality of work, writing dainty, small type. Refined aesthetic appearance, large business type for business letters. "Just Turn The Knob."

Professional Vocations, Including Engineers (Mathematicians)

because of having type-sets especially adapted to each class, with all special characters needed; immediately interchangeable.

Linguists

because of having every known language available, all interchangeable, and high individuality of work and capability of writing both Occidental and Oriental languages on the same machine.

COLLEGE PROFESSORS AND STUDENTS

because of small space occupied; instantly interchangeable type, high individuality of work and condensation.

Open accounts with monthly payments to those with whom such would be a convenience. Discounts for immediate settlement.

Catalogue gladly sent for the asking.

The Hammond Typewriter Co.

582 East 69th St., at East River
New York City, N. Y.

'06.

Ira Wiles Cargo, '02-'04, is a clergyman of the Methodist Episcopal Church, with residence at 503 Beniteau Ave., Detroit.

'08.

Arthur R. Wilcox, forest examiner in the United States Forest Service at Albany, Oregon, has been ill with eye trouble since last July. He writes from South Haven that he expects to go back to work soon.

Jesse G. Boyle, associate professor of horticulture at Purdue University, is the author of a new book entitled "Boyle's Vegetable Growing." This book deals with the principals involved in vegetable production and furnishes sufficient detailed information to show definitely the connection between principles and practice.

'10.

A. B. Sterling, e, is engineer for the Springfield Body Co., Detroit, with residence at 403 Marlborough Ave.

'11.

H. C. Hilton, United States Forest Supervisor at East Tawas, Michigan, stopped at Lansing a short time last week on his way to Denver, Colorado, where he went to attend a national meeting of forest supervisors. During the holidays Hilton testified in a lumber dispute case at Cheyenne, Wyo.

'12.

Chas. W. Wood, '06-'07, '09-'10, is assistant to the superintendent of construction at the Connors Creek Power Plant of the Detroit Edison Co., Detroit, living at 969 Lothrop Ave.

'14.

W. F. Searight, '10-'12, is cost clerk for the Austin Mfg. Co., Harvey, Ill., with residence at 15242 Lexington Ave.

P. K. Fu left East Lansing last week for Honolulu where he expects to spend some time prior to a visit to China. He has prospects of an excellent position with a canning company in China. Since the holidays Fu has been at M. A. C. doing research work.

'15.

Mrs. Margaret Leenhouts Hadden, '11-'14 h. lives at 372½ Euclid Ave., W., Detroit, Mich.

W. W. Lavers, f, who has been working for the State Highway department in the Upper Peninsula, is back in Lansing.

William Roy Thompson and Lillian May Wade were married at Kinde, Mich., Friday, January 19. After February 1 they will be at home at 888 Auderdon Ave., Detroit.

Editor of Record:

"Chronicle the arrival on January 17, of one boy, Lawrence J. by name, and described as having a pug nose, double chin, and dimpled cheeks. Chalk him up with M. A. C. freshmen of 1938. He has the M. A. C. pep."

I. J. MATHEWS, Rockford, Ill.

A Message to Women Who Appreciate High Grade—Suits-Coats-Dresses

At Our January Clearing Sale Prices.

THIS is Central Michigan's Apparel Shop for Women and Misses—and founded upon a foundation of satisfaction—giving principles at the same time rigidly maintaining our justly earned reputation of high quality standards at moderate prices.

WINTER SUITS

Every Suit must go—and now is the time to buy.

1-2 Regular Price

is all you'll have to pay for any Suit in stock.

WINTER COATS

Every woman wants a new Coat—like ours—at our prices.

1-4 Regular Price

is the amount you'll save on any Coat in stock.

The MILLS DRY GOODS CO.

108-110 S. Washington Ave.

Invitations • Programs
Cards • Announcements
Personal Stationery



ENGRAVED
OR PRINTED

Always a selection of the latest styles and the newest features conforming to correct social usage.

Orders sent in by mail receive our most careful attention.

Robert Smith Printing Co.
Lansing ••••• Michigan



SERVICE AND SECURITY AT

Hoover-Bond's

MAKERS OF HAPPY HOMES

NEW TUSSING BLDG.

LANSING, MICHIGAN