

# THE M·A·C· RECORD

VOL. XX

TUESDAY, DECEMBER 15, 1914.

NO. 12



MAIN ENTRANCE TO THE FORESTRY EXHIBIT.

Published by  
The MICHIGAN AGRICULTURAL COLLEGE ASSOCIATION  
East Lansing, Michigan

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# THE M·A·C· RECORD

VOL. XX.

EAST LANSING, MICHIGAN, TUESDAY, DECEMBER 16, 1914.

NO. 12

## FORESTRY EXHIBIT GREAT SUCCESS.

From the log chopping contest to the art gallery, the first annual show put on by the forestry students last week under the auspices of the Forestry Club, was an unqualified success. Few people connected with the college lost an opportunity to see the exhibitions of forestry learning and skill shown at the Forestry building, and on Friday and Saturday nights many Lansing folk availed themselves of the splendid opportunity to learn something about the much talked of forestry. Beginning with the front of the building, where the summer camp and tools were shown, and biscuits and doughnuts were made, through the exhibits and contests and on the second



floor where five-minute lectures were given by the students, the entire place was alive with interested folk. The opinion was prevalent that the show was one of the best things of like nature that has ever been seen at the college. Many prizes of 100 three-year-old trees, Christmas trees and the like were given in the different contests, among which were the deciduous twig identification for married people, the conifers identification for the co-eds, log chopping for the boys and a tree guessing contest for everyone. Hugh Blacklock, of football fame, won one of the log chopping contests, cutting through the 10-inch beech log in one minute and ten seconds. The exhibits which attracted the most attention were "logging in cypress swamps," "comparison of erosion on forested and nonforested areas," "triangulation method of fire identification," "tree surgery," "big trees," "model farm with windbreak and woods," "model school ground," "technology exhibit," and "pictures of logging operations."

Particularly pleasing to the instructors in forestry was the fact that the students largely took the initiative in this work, and the appreciated interest shown by the public as well as other students makes it certain that this show was eminently worth while.

## BOTANY DEPARTMENT.

In the past four years the botany department at the college has undergone some very decided changes, not only in the building itself, which has been enlarged to twice the original size, but also in the courses offered. The policy has been to intensify courses, and to add new ones as the increased interest in botany seemed to demand. Pathology has been split into three courses. Plant physiology, which was formerly taught in one term, has been extended into two, and a course in botanical technique has been added. An advanced course in cytology is offered, dealing very largely with reproduction. The freshmen botany has been entirely remodeled. The students now begin with the compound microscope and the study of the simple cell, protoplasm, and types of tissue.

The experimental work in botany has had a very noticeable growth. With a fine equipment and several instructors, a good deal of practical work has been accomplished, part of which is represented in the diagnosing of the 1,500 specimens of disease sent in. A good deal of attention has been given to apple cankers, and, under the Hatch fund, work has been progressing on potato, celery and tomato diseases. Also much emphasis has been placed upon bean diseases, since Michigan is the principal bean growing state of the Union, and bean diseases are beginning to curtail the production very materially.

Seven graduate students are majoring in botany, several of whom are here on fellowships—one from the University of Minnesota, one from Penn. State, one from Virginia Polytechnic, and one a Heinz Pickle fellowship. Five graduate students in agriculture are taking their minor in botany. The graduate students, besides their regular work in botany, have charge of the botany given to the two-year short course men. In all there are 540 students taking botany this term.

The recent fire in the attic of the building, thought to be caused by faulty insulation, damaged the building to the extent of about \$300, and the botany equipment to about the same amount.

Have you sent in your dollar for renewal? If not, and you wish to do a little missionary work (help both ways), get one of your friends to subscribe and send in \$2.50, for which your subscription will be renewed one year and the RECORD sent to your friend for the rest of this college year and all of next. Help boost the RECORD subscription list. Don't knock—at least until after you have helped boost. We have heard of an alumnus who has kicked on the amount of news, yet he has not sent in an item this year, and his subscription for the year is still unpaid.

Dwight Sipperly Cole, '93, consulting engineer, mechanical expert, and solicitor of patents, 623 Ashton Bldg., Grand Rapids, Mich.

# THE M. A. C. RECORD

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TUESDAY, DECEMBER 15, 1914.

THE NEXT RECORD WILL APPEAR JAN. 5, 1915.

## SUPPORT FROM THE RIGHT PLACE.

We are glad to note that the State Grange, in its  
annual session at Battle Creek last week, drew up  
resolutions to be presented to the legislature favor-  
ing an increase in the mill tax for M. A. C. Some-  
thing of this sort will be expected of the next leg-  
islature and it is particularly pleasing that the initia-  
tive along this line has been taken up by a body of  
people who are very largely representative of the  
people upon whom this increase in tax will fall. To  
quote the *State Journal*: "It is doubtful if any  
school in Michigan has been so hampered as the in-  
stitution at East Lansing."

The legislature of 1911 made a special appropria-  
tion of \$150,000 for a library for M. A. C. This did  
not meet the approval of the governor. The last  
legislature desired also to extend aid to the college  
and increased the mill tax from one-tenth to one-  
sixth, which would have brought in by this time some  
\$300,000. Everyone knows now the action of the  
court which threw M. A. C. back to the one-tenth mill  
basis. This makes a total of \$450,000 which the peo-  
ple of the state, through their representatives, wish-  
ed to be credited to M. A. C. and which must be  
made up if the development of the institution is not  
to be retarded.

\* \* \*

## MILES-FAIRCHILD PORTRAIT FUND.

We wish to acknowledge the receipt of subscrip-  
tions from the following alumni for the Miles-Fair-  
child Portrait Fund: President H. A. Haigh, '74; J.  
W. Beaumont, '82; George Lawson, '82; Frank E.  
Robson, '78; W. K. Prudden, '78; B. D. Halstead, '71;  
O. E. Angstman, '75; Class of '70 (by C. W. Gar-  
field).

M. A. C. RECORD:

I was much interested in the letter of my Brother  
Haigh in a recent number of the RECORD, relating to  
the Miles-Fairchild portrait. No encomium on the  
work of these great teachers could be too strong.  
They were two of the men who wrought in the forma-  
tive days of the college. Mr. Haigh's timely and  
singularly cogent appeal will meet with a generous  
response, I know. I am particularly interested in  
his suggestion that subscriptions should be small. I  
also think that it should be the privilege of the  
great number of our alumni to contribute, and that

should not be deprived of this pleasure by the large  
remittances of the smaller number, nor embarrassed  
thereby. Please find inclosed my check.

Yours truly,

O. E. ANGSTMAN.

It seems that the preceding letter is particularly  
timely and to the point regarding this fund, especial-  
ly that part which relates to the size of the subscrip-  
tions for the majority, and the number of alumni  
who should contribute. We believe that every gradu-  
ate who has achieved distinction as a result of the  
sart he got at M. A. C. should feel it a privilege to  
help along this very worthy enterprise.

## COURSE IN RURAL SANITATION PLANNED.

If the recommendations regarding a course in  
rural sanitation are adopted, M. A. C. will be the  
first institution in the land to take up this subject  
which is becoming one of the most widely talked of,  
of all the subjects of rural betterment. It has been  
said that with the equipment at hand in bacteriology,  
farm mechanics, botany, entomology, and veterinary  
science, and other allied subjects, a course of study  
could be worked out with little inconvenience to the  
present teaching staff that would be of much value  
in placing this institution more than ever on the  
map as a servant of the state. According to the  
plans this special course is to be pursued during the  
junior and senior years, in each of which there will  
be 30 required credits and 30 electives. A more de-  
tailed report of this work will be given in the future.

## CHICAGO M. A. C. ASSOCIATION PLANS INFORMAL SOCIAL DANCE.

The Chicago association has taken the right steps  
in preparing an M. A. C. meeting for the holidays,  
and it is hoped that other associations will fall in  
line. An informal social and dance is announced  
for Saturday evening, December 19th, at Lewis In-  
stitute, Madison and Robey Sts. All M. A. C. men  
and women, past and present, are invited to come  
and bring their friends. College closes at noon on  
the 18th, so there should be a good representation  
of the present student body at this meeting, and in  
this way the old grads. will get some first hand  
news of the college. There will be something doing  
for everybody; both old and new dances will be on  
the program. Will you be there to lend some Christ-  
mas cheer and talk over the good old days at M. A. C.?

George F. Talladay, '05-f., merchandise broker of  
Auburn, N. Y., writes, in response to a request from  
the Forestry Department there for specimens: "All  
my time is taken up in traveling seven states, and,  
although I am not active in forestry, I am always  
interested and glad, indeed, to learn that M. A. C.  
is making such a showing. Prof. Bogue had an awful  
time with his class in forestry, of which I was the  
star and only member."

A. T. Swift, '99, is now with the Ottawa Lumber  
Co., of Harbor Springs, Mich. He reports that C. J.  
Foreman, '94, is also in Harbor Springs. Part of his  
letter reads: "I regret that the boys slipped up at  
Lincoln, as I have a large personal acquaintance  
there and I have been ever since paying bets. I  
have forgiven them since the Penn. State game, how-  
ever. Since we beat the team that tied the champs,  
why can we not read our title clear?"

## ALUMNI NOTES.

"Polly" Walker, '11, was a campus visitor last week. Walker is now a furniture dealer in St. Ignace.

"Jennie" Holland, '13, national representative of Vaughn Seed Co., Chicago, spent three days last week at the college.

J. Wade Weston, '14, and C. L. Brodie, '04, conducted a very successful week's short course at Blissfield last week.

H. S. Bradford, ex-'01, is farming near Ionia, and shipped in a car of feeding steers before the quarantine closed down.

T. E. Conway, '14, has been state inspector on the new Veterinary building and is now teaching gas engines to the two-year short course men.

Ernest Hart, '14, and wife (Sybil Glickly, '13), of Middleport, N. Y., were in Michigan for the Hort. show at Kalamazoo, and made a call, last week, on friends at M. A. C.

The following encouraging word comes from Belle Hubbard, sister of N. B. Hubbard, '09: "After my brother and I have read the Record someone always happens along to enjoy it, so we have never thrown a copy in the waste basket. Ours gets worn as well as read."

Wilbert Reiley, '13, was present at the State Hort. show at Kalamazoo, and stopped at the college on his way home. Other alumni at the Hort. show were: J. G. France and U. S. Crane, '11; F. H. McDermid, '12; I. Pickford, '14; J. A. Petrie and Blakesley Crane, '14.

The Palette and Chisel Club has hung paintings by Samuel J. Kennedy, ('01), in its galleries in the Athenaeum building. Mr. Kennedy is a landscape painter, a pupil of Henri Martin. He has exhibited in the Salon Nationale des Beaux Arts, and critics spoke of him favorably as a colorist. (From the *Chicago Evening Post*, of Dec. 10th.)

E. P. Robinson, '07, county agent of Saginaw county, writes: "I have had some correspondence with A. J. Hutchins, '09, county agent of Clark county, Indiana. A. J. says that he is rushed with work, since recovering from a run of typhoid fever, which kept him off the job for three months. He is the proud father of a 11 months' old prospect for M. A. C. honors."

## Editor RECORD:

I read with great interest in a recent number of the Record the recounting of the achievements of the military department, past and present. I remember very well the attempted enlistment of a company from M. A. C., and spent several days at Lansing waiting to join it, and afterward enlisting in the 34th Michigan, under Capt. Bob Welsh, '94, now a major in the regulars. Besides those listed in the Record, Bob Swift was with the 31st; J. F. Flanagan in the 1st U. S. Engineers, and Ralph Hastings with the 34th. I have no doubt that there were many more M. A. C. men in the service at that time, and it would seem like a fine work if all who have at any time, or are at present members of Uncle Sam's forces, could be compiled. Lieut. Bandholtz was a great inspiration to the battalion while he was in charge, and has since been prominent as the head of the constabulary in the Philippines. At the close of the Spanish war he was mustering agent in Michigan, and met us upon our arrival in Detroit. It is to be hoped that in the event of another war M. A. C. can be represented by its own organization.

Yours truly,

L. C. SMITH, with '97 and '99.

Allen C. Redding, '83, is consulting mining and metallurgical engineer, and mining geologist of the Pacific Laboratories, San Francisco, Cal.

M. G. Kains, '95, head of the horticulture department of Penn. State, having been previously in the newspaper business, has the right attitude toward Record news, and we hope others will feel the same. He writes: "My experience leads me to believe that if a man wants to get something worth while out of a paper he should give the editor something worth while—something more than a paltry dollar." Kains makes it a practice to lecture to his classes very often for a few minutes on some subject foreign to the subject under study. The talks are no two alike. "Sometimes ethics, sometimes poetry, again business features, quotations from trade papers, M. A. C. Record—in fact, anything that I think is good in itself, interesting, amusing, character forming, or instructive. One talk I gave about a month ago on mushrooms had such a marked effect that the whole community has apparently risen as one man and made it a good deal harder to get a meal of these toothsome articles. However, the Kain's household has had its share—fully twenty full meals for the four of us, besides trimmings half a dozen other times. I have never known mushrooms to be so abundant in the autumn."

The following interesting letter has been received from E. S. Keithley, '11, who is in the Forest Service on the Pike National Forest, with headquarters in the Majestic Bldg., Denver, Col.: "I am assigned to reforestation work here on the Pike, where I have charge of the planting. From 1,000 to 1,500 acres are planted with nursery stock each year. I am concentrating all the planting operations within the Colorado Springs watershed, where, with this annual acreage, eight to ten years will be required to complete the work on this watershed alone. Camps of from 50 to 100 men are maintained. Species planted are yellow pine, Douglas fir, and Englemann spruce. Last spring I planted 875 acres, at a total average cost per acre, including stock, of \$9.02, and obtained an average of 90 per cent. where 700 trees per acre were planted. This is the best record yet for planting in rough, mountainous country. Nursery stock is produced at the Monument Nursery, within the Pike Forest, where the annual output is nearly a million trees. A new reconnaissance has been instituted, known as planting reconnaissance, which is a basis for reforestation working plans. During July and August last, with a crew of four men, I covered the entire Colorado Springs watershed. Next year I hope to extend this work over other portions of the forest, and so on until the entire forest is covered, and data in hand for a complete working plan."

## BASKETBALL TEAM HARD AT WORK.

Contrary to the usual practice of holding the major portion of basketball practice off until the first of the winter term, Assistant Coach Gauthier and E. B. Goss, both of last year's team, have been putting the material on hand to a vigorous test the past two weeks. One hundred and fifty reported for try-outs. At present the lineup of the squad for the big schedule, which begins with the Toledo Buckeyes, January 9th, on the home floor, looks something like this: Frimodig, '17, center; Dutch Miller, DePrato, Sheffield and McClelland, guard material; Hewitt Miller, '16, DePrato, England, '17, forwards. Goss and Gauthier are the only men of last year's team that were lost by graduation, and with these men back to coach, and the excellent material at hand, we should have another winning team.

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## NEWS AND COMMENT.

Prof. E. C. Sanford, '04, talked on "Woodlot Management" at the Farmers' Club last week.

F. E. Millen, instructor in apiculture, went to New York City last week to meet his wife and little baby. Mrs. Millen has been visiting her parents in England for the past year.

C. W. Seoville, of Pittsburgh, delivered a lecture on life insurance in the armory last week. This is the first of a series of similar talks to be given at M. A. C. this winter.

Mary Antin, writer of "The Promised Land," herself an emigrant from Russia, spoke before a packed house in the armory last week on "The Responsibility of American Citizenship."

President Snyder spent two days last week at the State Grange meeting in Battle Creek. Friday he left for Ithaca, N. Y., where he was asked to give the address at the annual banquet of the agricultural students of Cornell.

The two-day meeting of the State Branch of the National Bee Keepers' Association, last Wednesday and Thursday, was a very profitable one indeed. About 100 of the prominent beekeepers of the state were present and listened to speakers of wide renown.

J. H. Mustard, of the Westinghouse Company, was here last Thursday and Friday, interviewing senior electricals and mechanicals with the view of their going with the company after graduation. Two of last year's class, G. T. Smith and H. L. Smith, are very pleasantly connected with this company at Pittsburgh, Pa.

The annual meeting of the Michigan Experiment Association occurs January 14th and 15th, in conjunction with the Corn, Grain and Bean Show, which runs from the 12th to the 15th. A splendid program has been prepared, built on the idea of giving instruction in pedigreed seed breeding and seed selection, with special attention to source of alfalfa seed for Michigan.

Stewart & Kidd Company, of Cincinnati, has announced the publication of a volume of verse called "The Man Sings," by Rescoe Gilmore Stott. Those who were students at M. A. C. during the years of 1909 and 1910, will remember the author as one of the popular instructors in the English department. He is now at the head of the English department of the Normal College of Kentucky.

In a recent inquiry it was found that of the 14 men who received monograms for football this fall, 12 are taking the agricultural course, thus proving, of course, the much mooted question, as to whether the farm does or does not produce the best physical types of men, and also that the city and office, which the term engineering work is often associated with, is a center of physical degeneration.

Neither the European war nor the high cost of living seem to have much influence on the student boarding clubs at M. A. C., as the cost per week, which ranges from \$2.05 to \$2.99, is not materially different from the average of the past ten years. The average for all the clubs is 37½ cents a day per person. The cost in the various clubs is as follows: A, \$2.68; B, \$2.75; C, \$2.28; D, \$2.05; E, \$2.97; G, \$2.99.

The meeting of the Engineering Society enjoyed greatly the opportunity of hearing George K. Elliot, of Cincinnati, last week. Mr. Elliot is chief chemist and metallurgist for the Lunkushheimer Company, of Cincinnati. He talked on "The Globe Valve as a

Matallurgical Problem." Week before last M. M. Cory, of the electrical department, dealt with the subject, "Development of the Electrical Industry." A number of lantern slides were shown to illustrate the progress in the use of different filaments in lights.

The Bulgarian government has just sent three students to take their degree at M. A. C. They are: Dimitar Atanasoff, of Gramaola, Kenla, who has had, in the agricultural schools of Bulgaria, three years of chemistry and two of botany, and has spent one semester in Leipsig; Zvetan Ivanoff, of Kovatschiza, Lompalanka, who has been studying in Berlin; Christo Sardjoff, of Strumitza, who has been taking work in the college at Saloniki, Greece. The first two students were transferred from Germany on account of the war. Only one of these students talks a little English, and they find great satisfaction in having, in the person of Prof. Bessey, one who can converse with them in their native tongue.

The course in kinematics next term, as arranged by Assistant Professor E. C. Greenman, will be given so that the students' time is not put in drawing the mechanism on which the problem is based and then working the problem out, but these drawings will be made and handed out to the students, ready for the solution of the problem. In this way, Mr. Greenman hopes to accomplish much more in kinematics, at least 50 per cent. more, as a great deal of time will not be occupied in work other than kinematics, as previously given. In the past a textbook on this subject has been found somewhat unsatisfactory, since a good many books needed to be consulted to make the course well rounded. With this in view a set of mimeographed notes will be sold to the students next term as a textbook. These have been selected from various texts with the view of placing in the students' hands a more satisfactory source of text material.

#### FORESTERS ARRANGE VACATION TRIP.

Fifteen foresters, with Prof. Chittenden and Instructor Gilson, have completed their plans for an intensive study of the logging and milling operations around Davis, W. Va., for the annual holiday forestry jaunt. The start will be made directly after Christmas, and the plan is to return for the opening of school next term. Davis is in the heart of the mountainous region, where power logging and skidding devices of the very latest kind will be found. The particular project that the boys wish to visit is one that has been often spoken of as the most difficult of logging operations east of the Rockies. Half of the time will be spent studying logging, and the other half the manufacturing end, which includes besides lumber manufacture, also paper making, tannin extracts, etc.

While this winter forestry trip has been an annual affair in the past, and until last year only seniors went, it is planned for the future that the trip will be undertaken only every two years, with both juniors and seniors in the list, being compulsory for none of them. The way in which the planning for the trip this year has worked out is especially pleasing to the forestry instructors, for the enthusiasm and initiative came entirely from the students.

#### NORTHWESTERN TEACHERS' AGENCY

We are greatly in need of teachers for emergency vacancies of the early autumn, which offer the best opportunity for promotion. The leading Agency for the entire West and Alaska. BOISE, IDAHO.

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## ALUMNI NOTES.

Mr. and Mrs. A. A. Fisk, '05, are the proud parents of Jessie Louise Fisk, born Nov. 25th.

C. F. Barton, ex-'13, with the Williams Bros. Co., of Detroit, was on the campus last week.

Allen Gibson, ex-'12, and Isabelle Drummond, of Scranton, Pa., were married on Thanksgiving day.

Blanche Clark, sp. '07 and '08, dietician at the Traverse City Insane Hospital, spent three days with Mrs. Thomas Gunson last week.

The former Miss Edith Hudson, '09, informs us that she changed her address last September to Mrs. G. H. Bearup, 120 Sixth St., Grand Ledge, Mich.

C. W. Knapp, '12, is employed in the engineering department of the People's Gas, Light and Coke Co., of Chicago, with residence at 1508 N. La Salle St.

Milt Gearing, '12, at present with the engineering department of the Diamond Crystal Salt Co., of St. Clair, was here last week in consultation with members of the engineering teaching staff.

C. L. Coffeen, county agriculturist, with headquarters at Goshen, Ind., has been on the sick list, but is back on the job at the present time. Mr. and Mrs. Coffeen are both graduates in the class of '12. They have a boy, who will be a year old in February.

F. Royal Kenney, '14, of the Hazelfern Farm, Hazardville, Conn., writes: "I guess that Penn. State game will put M. A. C. on the Eastern football map. In fact, I have no trouble at all in making claims that M. A. C. could beat up Harvard, and the folks here listen in respectful silence, for the

most part. But I must not rave about football when I should be taking advantage of this fine weather to do some more plowing."

Edith Lemon, '14, now studying home economics at Columbia University, writes very interestingly of her work. Her practice teaching is at present in one of the vocational schools near the Bowery. She writes, in part: "Clara Forte, '17, and I were very loyal to our alma mater on the

day of the Michigan game, even if we were miles away. We both invested in white chrysanthemums, and wore them all afternoon and evening in honor of the day. We went walking over on Riverside, and managed to see a fairly good M. A. C. athletic field where other people would only see Grant's tomb. We pictured a fairly good looking student body, guests, team, and all the rest, but we could not exactly make out what the score was."

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