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Live On Her Past—*



*What Will You Do
For Her Future?"*

THE M.A.C. RECORD



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

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THE M. A. C. RECORD

VOL. XXII.

EAST LANSING, MICHIGAN, TUESDAY, JANUARY 23, 1917.

NO. 15

MUSKEGONITES ORGANIZE M. A. C. CLUB.

In an effort to solve the question asked weekly on the first page of the Record, the Muskegon M. A. C. Club tendered a banquet to Dean Bissell of the Engineering Department at the Occidental Hotel, January 15, 1917. We hoped by this means to do something toward stirring up an interest for M. A. C. here in Muskegon.

The affair was not limited to M. A. C. alumni, but included prominent educational and engineering men. Covers were laid for twenty. Frank Morse, ex '96, acted in a very efficient manner as toastmaster, calling on "Blackie Daw," N. E. March, '16, to respond to the toast, "What M. A. C. Means to Michigan." March gave a very good talk on what every department of the College can come to mean to this city and county.

Dean Bissell responded to the toast, "M. A. C.," telling in his own dry humorous way several incidents of college life and speaking seriously on the effects of the fire on the Engineering Department.

S. O. Hartwell, superintendent of schools of Muskegon, spoke on the subject, "The Relation of the College to the High School," saying that he was now in a better position to help and advise high school students in the selection of the college they expected to attend. He expected to do his share toward sending Muskegon's boys to M. A. C.

Roy E. Ashley, Valparaiso, '96, spoke on, "The Relation of the College to Engineering." Being introduced to us as being of a serious nature he surprised us with a few good stories mixed in with the serious part of his speech.

Mr. Morse then called on Mr. Paul Moon, short-course '11-'12 and '12-'13, who spoke of the value of the short courses. Mr. Moon gave up business interests for the subject of farming, and when we realized that he could be "daddy" to most of us we were particularly interested in the spirit he showed for the work.

Mr. Tom Rogers, '74, gave several pleasing views on the work done in the county by the different bureaus of the College.

L. O. Gordon, '06, was there in all

the glory of his red hair, which still holds for him the name of "Pinky." H. B. Clark, '00; Morton, '16; Atchison, '16; March, '16; Billings, '16; Brown, '16, and myself were of the younger generation.

W. H. BETTS, '16.

LIVE STOCK MEETINGS WELL ATTENDED.

The annual gathering of the live stock feeders and breeders of the state at M. A. C. last week was considerably above the average in attendance, and the programs, especially those pertaining to general live stock matters, were full of good things. In an address on, "The Farm Building Program for Michigan," Dean Shaw criticised the farmer for being backward about borrowing money. "The more credit the city people can get and use to good advantage, the higher they hold their heads," said Dean Shaw. "The more credit the farmer gets the lower goes his chin." One of the big problems in the farm building program for Michigan, thinks Dean Shaw, is the rejuvenation of many of the old buildings now used.

Professor G. F. Warren of Cornell gave some pointed remarks on the place of live stock in scientific farm management. Results of many surveys in New York were shown and the importance of live stock in varying amounts was discussed to a nicety.

President Halladay of the state sanitary commission sounded a warning as to depletion in the number of live stock, and also as to the possibility of bringing disease into the state by buying so many feeders outside. I. R. Waterbury, editor of The Michigan Farmer and member of the State Board of Agriculture, set forth the view that meat will cost the public more in the spring than it does now. Professor J. A. Jeffrey of Duluth pointed out the grazing opportunities for sheep in the Upper Peninsula, and he said that western ranchers are beginning to realize these.

The meeting closed with the election of officers as follows: President, I. R. Waterbury; C. C. Lillie, Coopersville; secretary, Geo. A. Brown, M. A. C.; assistant secretary, W. E. J. Edwards, M. A. C.; treasurer, C. P. Reed.

IMPORTANT CHANGES IN BOTANY COURSES.

At a recent meeting of the faculty some important changes were adopted in the botany courses for students in the agricultural division. In these changes Dr. E. A. Bessey, head of the department, sees an opportunity for ministering more exactly to the needs of the students who elect botany, and who, according to much study on the part of botany teachers, fall into these three classes: (1) those students who expect to return to the farm or to lines of work closely associated with farm life; (2) those students who plan to teach agricultural science in secondary and normal schools; (3) those who are especially capable in this direction who desire to secure positions where a training in the science of botany and its research methods is requisite.

It is recognized that the larger number of students fall into the first class. The course for all freshmen is to remain about as at present. After this there will be three distinct lines of electives.

Electives for the first group, which shall be known as applied botany, are named as follows: Economic plants, plant reproduction, general plant physiology, diseases of economic plants, weeds and weed seeds, control of plant diseases, grasses. The department hopes in future years to be able to develop other special courses on the botany of special crops as an auxiliary to courses offered in these crops in other departments.

For those who expect to teach botany a special teacher's course will be given which will take up the question as to what should be the content of a course of botany in a secondary or normal school, the method of approach, the equipment of the laboratory, source of material, etc.

For the students who wish to work along technical lines some changes are made in courses now taught and a new course in plant physiology is added, making these subjects the possible elections: Mycology, plant pathology, methods in plant pathology, plant nutrition, plant physics, advanced plant physiology, technique, cytology of heredity.

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TUESDAY JANUARY 23, 1917.

MORE WORK IN ENGLISH.

There is a general movement at M. A. C. towards greater recognition of the needs of students for more fundamental training in English composition. Whether or not this is a fault of the educational system lower down we are not concerned. It is a pleasure to know that the college recognizes and is attempting to meet the demands. To this end, the course in composition, which is required of freshmen in agriculture, forestry and veterinary science, three terms, and which has hitherto been but two credits each term, has been changed to three credits a term. To accomplish this one hour is cut from chemistry in the fall term, one from mathematics in the winter term, and one from botany in the spring term. The required work for the engineers is also increased, made possible by dropping some work in the course in elements of engineering.

In this work a high standard is set up. This is shown by the number of students who did not pass the course last fall, five sections in all. Instead of holding these students until another fall for this work, thereby keeping them out of English for a whole year, the English department is repeating these first term courses for the five sections this term—certainly a movement towards greater efficiency. The department is much pleased over the ready co-operation of other departments in making all these changes possible.

* * *

THE "J" HOP.

Last week's issue of the Holcad, the students' paper at M. A. C., came out strong in its editorial columns against the rigid formality and excessive cost of Junior Hops. Lest the retort be made, and with some justification, that we have had our day—our fling—and have no business discussing the situation, we will not air our views. It is interesting to note here, however, the opinion of one of the most prominent students in college—a senior by the way, who has also "had his fling." He says: "The 'J' hop is supposed to

be the most delightful function of the college course. It is really the least, and the biggest bore. Most of the fellows have never worn dress suits before and feel very conspicuous. Then the latter part of the affair becomes simply an endurance test. A fellow can't get out of the occasion for a song now, either."

* * *

ALFRED NOYES LECTURES TONIGHT.

Students and faculty will have the opportunity tonight to hear Alfred Noyes, the celebrated English poet, in a lecture on poetry in the Armory. This is a rare treat for M. A. C. people.

Noyes is 36 years old, a resident of southern England, a graduate of Oxford University. While in college he was a member of the college crew. He first came to America in 1914. His lectures on poetry were so popular that Princeton asked him to accept a visiting professorship, and he now comes to the United States every winter.

It is said that at Brown University he is so popular that at one time a basketball game failed as a drawing card when it was scheduled at the same time as Noyes' lecture. When the manager of the game ran his eyes over the vacant seats, he called off the event and went to join the crowd.

PROFESSOR CARPENTER RESIGNS.

(The following is clipped from a recent issue of the *Cornell Alumni News*.)

Professor Rolla Clinton Carpenter of Sibley College has resigned and his resignation was accepted by the administration committee of the trustees last Saturday. It will take effect at the end of this academic year. Professor Carpenter will reach the age of sixty-five on June 26, 1917, the day before Commencement. The committee instructed the president to apply to the Carnegie Foundation for a retiring allowance for Professor Carpenter.

Orion, Mich., is Professor Carpenter's native town. The biographies of him and his two younger brothers fill the better part of a page in *Who's Who in America*. The brothers are Louis George Carpenter, irrigation engineer, of Denver, and Judge William Leland Carpenter, president of the Detroit College of Law. They are all three graduates of the Michigan Agricultural College. (R. C. Carpenter graduated in 1873; L. G., in 1879; W. L., in 1875.)

After he took the bachelor's degree in 1873, Professor Carpenter went to the University of Michigan and became a C. E. Then he returned to his alma mater and taught mathematics

and civil engineering till 1890. Meantime he took the degree of M. M. E. at Cornell in 1888. He has been a member of the Sibley faculty since 1890. In 1906 the Michigan Agricultural College made him an honorary Doctor of Laws.

Throughout his mature life Professor Carpenter has had a large practice as consulting engineer. He has constructed numerous power stations for electric railways and has had active charge of many engineering constructions. In the building of many cement plants he has been consulted. High pressure fire systems, including those in New York, Brooklyn, and Baltimore, have been installed under his supervision. A year ago he served in a national scientific commission which was appointed at the request of the president of the United States to investigate the problem of the slides at the Panama Canal.

KINGSLEY, '03, RETURNS FROM FRENCH BATTLEFIELDS.

SERVED AS AMBULANCE DRIVER.

While en route to the States from the Philippines, where he spent four years as superintendent of construction for the bureau of public works, H. Ray Kingsley, '03, stopped off in France last September to get a firsthand impression of the war. While there he enlisted as ambulance driver in the American Hospital service.

Kingsley is now in Kalamazoo. In the Detroit Free Press for January 14, he tells of his experiences in transporting men from the hospital trains and battlefields in the French war zone.

"There were from eight to ten men in my squad, and we transported as many as 200 wounded soldiers a night," Mr. Kingsley said.

"Of course most of the work is done at night, because the Germans will shoot at any moving object, and it was comparatively safe to work at night. We never knew when a shell would be exploded, nor where it might come. Fortunately I escaped injury, but more than once as I drove along the road I would see a hole where some shell had exploded. Had I been there at that time, of course, I would have been the victim.

"One of the biggest hospitals is the Hotel des Invalides, established by Napoleon after the Napoleonic wars. Seven thousand French soldiers may be cared for in this hospital, and here many of them are decorated by the government for bravery. Every week one or more soldiers receives this honor at this hospital.

"Of course the most thrilling experiences come from service in the war zone. Men and women worked side by side on the hospital ambulance.

Girls drove several of the English hospital ambulances. According to Mr. Kingsley, the most terrible scenes of all are the burial services held for the men in the trenches.

"Every man is given a military funeral, and a priest is always in service ready to pronounce the last rites," he said. "I stood on the battle field of Marne, where, after that terrible battle, the soldiers were buried just where they fell. And all over that battlefield there were little crosses, white for the French and English, and black for the Germans, bearing the number of the soldier, and the name when it was known.

"On the aviation fields the scenes are entirely as pathetic, and often not even the soldier's number is left by which to identify him," said Mr. Kingsley.

As relics of the battlefields, Mr. Kingsley brought back with him the nose of a German shell and a German helmet. Whether or not he will return to France to continue his war service he has not decided.

It was reported last week that George E. Julian, alias "Carp," and the best fullback that ever graced an M. A. C. uniform, was in danger of having his right leg amputated as result of blood poisoning which set in from a football injury. Nothing more has been heard about his condition. He was in a hospital at Akron, Ohio.

JUST A WORD.

About that book of poems announced in the Record recently, "The Poets of the Future." The book, which is a compilation of the best poems written by students in American Colleges the past year, is ready for distribution. M. A. C. people who have seen it are most enthusiastic about it, not alone because of the prominence of M. A. C. poets, but because of its literary merit.

William Stanley Braithwaite, in his beautiful introduction, says, "these singers reach for truth and beauty through a kind of murky realization of the uncelestial substance of the world they know. Here the heart and soul stand before the gateway. * * * A directness that has also a warm current of emotion, is what strikes me as mainly characteristic of these poems. This book may well serve as the yearly Spring of Song."

Order a copy of this book, through the Record, and you will have something at hand that will serve as an impetus for a renewal of the freshness and vigor of youth. In cloth, \$1.10 postpaid; leather, \$2.10 postpaid.



ENGINEERING SHOP NUMBER 1.

Engineering shop No. 1, shown above, is just east of the R. E. Olds Hall of Engineering, the end of which is shown on the right.

The lower floor of this shop, devoted to wood working, is well along towards completion. The benches and lathes are in place and students at work. Both engineers and agricultural students will use the wood-working equipment, this being part of the program to bring the students in these courses together in a greater spirit of unity.

At the present time the second floor houses temporarily several different kinds of work. One of the permanent features is the planning department, which has its offices here. This department was just organized last term and will work out a system of scientific management for the shops. The west end of this floor will be used permanently by the girls as a wood-working laboratory. The east end of the shop now houses mechanical engineering drawing and some lecture and laboratory work in electricity.

CHANGE IN GRADING SYSTEM PROPOSED.

The committee on advanced credits at M. A. C., consisting of Professors Johnston, Plant, Clark, and Halligan have suggested a radical change in the present grading system. It is claimed that at present the students are not given a sufficient incentive to obtain more than a passing grade, essentially recognizing quantity of work rather than quality.

After considering the question very carefully the committee believes that the defects can be overcome by adding the point system to the hour system as a basis for graduation, thus making it necessary for a student to have 240 points as well as 240 credits before graduating. This will necessitate the adoption of four passing grades. For the lowest grade a student would receive his credits but no points. For the next highest grade he would receive as many points as grades so that a student having this average all through his course would have just enough points and credits. For the next highest grade he would receive two points for every credit, and for the highest, three points per credit. These excess points would be used to

balance any credits below the average, if necessary.

According to this plan students receiving less than average grade for a term would automatically be placed on probation, and any student receiving fewer points than hours for two successive terms would be automatically dropped. There would be no conditions or flunks. Grades below the point where credit could be obtained would count negative points.

This plan was submitted to the faculty at the meeting last week and discussed at some length. It is believed that it will be adopted, perhaps with some minor changes.

BORDER SOJOURNER WRITES ON UNIVERSAL SERVICE.

Sheffield, '12, one of M. A. C.'s representatives to participate in the Mexican border mobilization, in response to a request of the editor, writes as follows his idea of universal service as gained from six months' of soldier life.

Ft. Wayne, Detroit, Mich.

Dear Record:

Well, we are back again, after six months' of more or less active service. As Rupert Hughes said in a recent

issue of Colliers," "we found the border asleep when we arrived, and it was still slumbering peacefully when we left." It is a fact that the people of the northern and eastern states were infinitely more excited over the Mexican "situation" than the inhabitants of the border states. The residents of the various military districts were glad to see the soldiers, of course. However, it was not so much a matter of protection as profit for them. By the time we left, any man who had not developed some means of collecting a portion of the soldiers' shekels, was looked upon by the community as being independently wealthy already, or else lacking in initiative.

When all is said and done, though, not many of the men are sorry they went. It is just as a private in the First Pennsylvania replied to a man who hailed him as the regiment was marching through Philadelphia upon its return home. "Well, Jim, are you glad to be home?" "Yes, but I'm d—glad I didn't stay at home." It has been a great experience for all of us, and made men out of lots of the young fellows. Military service will, it has been said, make a man or a bum out of anyone, and so far as I have observed, the bums were headed that way before they joined the army. I cannot see how military service, properly officered and conducted, can fail to be a good thing for any young fellow. And that brings me to the subject you wanted enlightenment on, the compulsory military training bill.

Talk to any man, officer or private, who has just been through a tour of border duty, and had a chance to observe the regular army and the Guard at close range, and he will tell you, without hesitation, that compulsory service is the only thing, and that it is bound to come before long, possibly within the year.

There are any number of arguments for and against forced military service, but you will find most of the opinions against such a measure advanced by a class whose stomachs are where their hearts ought to be, and who are terrified at the mere thought of having to serve in an army. They have the support of those who are so busy amassing wealth and devising new ways to spend it, that they never give a thought about what would happen to that wealth in case of a serious war.

Lest you think this is a pure sob-letter, I'll try to give a few of the reasons why there must be universal military training if this land is to maintain anything like its present status among world powers. Let arguments of preparedness advocates be considered as already stated. We beg to add the following remarks:

The people of this country have been lulled to a beautiful slumber by beautiful orations on our magnitude and power. "We can raise an army of a million over night," says the Grape

Juice booster. Sure! But he didn't say a million good fighting men, equipped to do their work. Not many of our orators have dwelt upon the unpleasant fact that while there were less than 200,000 soldiers on the border this summer, it took them four and five months after they got there to obtain some vitally necessary equipment, and after we had been there six months and were ready to start home, we still lacked some things. Sure, we can raise an army of a million over night, but how many soldiers would there be in that army? And what good would those soldiers be without tools to work with?

We have always heard a lot about our regular army. The army, what there is of it, deserves a lot of credit, but its good work doesn't make up for what it lacks in numbers. In practically every regiment of infantry in the army, there are sixty or seventy men to a company, where the tables of organization call for one hundred. Many companies have less than fifty, but we're giving them the best of the argument. Congress has authorized an increase, and recruiting officers have labored long and tirelessly to obtain the men. But you can't get blood out of a turnip, and you can't get men for the army at fifty cents a day, when patriotism is measured by dollars and cents as it is with us today.

Some say, "Pay the soldier enough to make it attractive." At the present rate of pay for commercial labor, our Treasury department would last about a month. Even now, our soldiers receive from four to eight times as much as those of other armies.

The answer is, simply, to provide a means of military training in which every male citizen can secure some military knowledge without having to leave his work, and have the knowledge of the practical field sort, which will be of real value in a time of stress. *All the army is a unit in the hope that this military force will not be needed, but they also believe that ample preparedness is the surest road to future peace.*

The National Guard organizations of the various states form the most logical basis upon which to develop this great citizen army, for from it would have to come most of the thousands of officers which would be needed. The Guard's present status might have to be altered considerably to meet the new requirements, but it certainly ought not to be railroaded out of existence, a stunt some of its loving enemies have tried to accomplish at the present session of Congress.

To summarize, then, we need universal military service because we need an army, and what is not offered freely, the state must compel. The handwriting is on the wall, and only the blind can fail to read.

"SHEFF."

Lieut. 31st Mich. Inf.

NEWS AND COMMENT

The "J" hop will be held in the Masonic Temple, Lansing, again this year. Two orchestras will be used, Finzels' and Fishers', and there will be some Hawaiian specialties.

J. C. France, '11, talked at the meeting of the Hort. Club last week on the farm labor problem. The meeting was very largely attended and the annual horticultural show, which will be held this week Friday and Saturday, was shown to be well under way.

FOUR M. A. C. MEN ON FLORIDA PLANT BOARD.

There are now four M. A. C. men on the State Plant Board of Florida. Joy Heck, '95, is in charge of the citrus eradication work in South Florida. A. C. Mason, '13, is assistant entomologist, and U. C. Zeluff, '14, and C. B. Maloney, '15, are inspectors for the Plant Board.

COLLEGE ANNUAL BOARD BUSY.

With the opening of the winter term the general student body became fully aware of the activity of the junior board that has for its task the making of the 1917 Wolverine, the "best ever." Each student was asked to pledge to buy a *Wolverine*, paying some down, and, as an inducement, promised a book with his name on the cover in gold letters. This is only one of the many schemes of the board to make good.

KNOWLES, '15, INSTRUCTOR IN POULTRY.

After much solicitation on the part of Professor Burgess, head of the Poultry department, Bernard Aloysius Knowles, a successful poultry raiser at Azalia, Mich., has been induced to accept the position of instructor in poultry to begin February 3. Knowles received his degree at M. A. C. in 1915. He takes the place of W. H. Tully, who resigned to go into business.

CONTAGIOUS DISEASES.

The College is especially fortunate at this time of year when certain contagious diseases are so prevalent in other parts of the state, and considering the facilities at M. A. C. to handle a real epidemic, to have so little difficulty along this line—but the authorities are tapping on wood. At the present time there is one case of scarlet fever, R. S. Clark, '18, M. A. C.'s prize poet, being the victim, and a case or two of mumps.

USE OF SOY BEAN FLOUR.

One of the unique features of the

meetings of the Michigan Experiment Association last week was the demonstration by Miss Mary Edmonds, professor of home economics, of the use of soy bean flour. She not only gave an interesting lecture on its uses but passed out to the farmers some biscuits made from the flour. All pronounced them most delicious. It is said that pastry made from this flour is especially good for patients with diabetes, since it contains very little starch.

MARSHALL'S MICROBIOLOGY IMPROVED.

The new edition of Prof. C. E. Marshall's *Microbiology* is much revised, enlarged, and improved. One of the new features is a division dealing with "Microbial Diseases of Insects," written by Zae Northrop, '06, assistant professor of bacteriology at M. A. C., who has done considerable original research along this line. Other M. A. C. contributors are S. F. Edwards, '99, proprietor of the Edwards' Laboratories, Lansing, and Dr. Rahn and Professor Sackett, who were formerly connected with the department.

OWOSSO ALUMNI KEEP STIRRING.

Fletcher A. Gould, '07e, city engineer for Owosso, and Wm. A. McDonald, 13f, with the Connor Ice Cream Co., have some time to devote to community affairs outside their regular duties. Just now Owosso is starting a technical and training night school for its citizens. Gould is president and McDonald will give lectures on wood technology. These sons of M. A. C. are also prime movers in the establishment of an athletic club for the city which shall bring under one head the several athletic activities.

M. A. C. WORK PRESENTED AT NEW YORK MEETINGS.

At the meeting of the Botanical Society of America in New York City, December 30, Dr. Coons, plant pathologist at M. A. C., read several scientific papers by M. A. C. men; two by himself, "The Relation of Weather to Epidemics of the Late Blight of Potatoes," and "A Phoma Disease of Celery;" one by J. H. Muncie, "A New Leaf Spot Disease of Cultivated Geranium;" one by I. J. Krakover, '15, "A Disease of Red Clover Caused by *Macrosporium Sarcinaeforme*;" one by Ray Nelson, '16, "A Field Rot of Watermelon Caused by *Pythium*."

STATE CORN AND BEAN CHAMPIONS NAMED.

The boys' and girls' department of the Extension division named the champion corn and bean growers last week. The latter is Dorothy Pawloski of Harbor Beach, a sister of last year's

champion. Her record production on an acres is 28 bushels, which were sold for \$196, this netting her 700 per cent on her investment. It cost 84½ cents a bushel to raise her crop.

Floyd W. Bergey of Caledonia was named corn champion. He secured a yield of 104.25 bushels of shelled corn on his acre. It cost him to grow it \$32.57, leaving him a profit of \$87.52.

ALUMNI GATHERING NEAR FLINT.

During the holiday vacation the following people met at the farm home of Mr. and Mrs. J. B. Myers for a social evening: C. F. Thomas, '14a, and wife; Dr. M. B. Kurtz, '14v, and wife; O. G. Anderson, '11a, and wife (formerly Miss Grace Dickinson, with the class of '13); and Z. W. Storrs, '14a, and wife. J. B. Myers was with the class of '12e. These people are all living on farms in the vicinity of Flint with the exception of Mr. and Mrs. Storrs, who are at present located at Iron Mountain, Mich. A most enjoyable evening was spent, reminiscences of old M. A. C. being indulged in freely.

AN APPRECIATION.

Dear Editor:

Word has come to us of the very sudden death on December 9, at his home 594 N. Park Ave., Pomona, California, of Mr. H. P. Piper, father of William E. Piper (e), class '07, of San Diego, Calif., and Philip H. Piper (e), class '10, of Detroit, Mich.

While at East Lansing their home was on Abbot Ave., and it will be remembered with pleasure by many who were fortunate enough to be among their many friends. Mr. Piper was one of the most loved men I have ever met. His widow remains at present at the old Pomona home.

ANNA M. ANGELL, Alma, Mich.

ALUMNI VISITORS THE PAST WEEK.

F. I. Lankey, '16, Bay City; C. H. Knopf, '11, Cheboygan; Gale Gilbert, '12, Onsted; Ivan E. Parsons, '07, Grand Blanc; Colon C. Lillie, '84, Coopersville; O. W. Stephenson, '08, Ann Arbor; L. R. Queal, '11, Hamburg; A. Mac Vittie, '11, Bay City; Alfred Henrikson, '11, Shelby; E.

SPLIT ROCK PICTURE STARTS MUSE.

No doubt many others than the ones we heard from were led to reminisce by the picture of the split rock which we ran upon the cover of the Record in December. Herbert W. Collingwood, '83, editor of the *Rural New-Yorker*, writes: "I remember this old rock very well. It was a familiar and striking thing to us, when over 30 years ago we tramped up and down the road from Lansing. That was long before anyone thought of such a thing as a trolley car. I am sure that many of us who were obliged to dig our way through college got many a sermon or lesson out of that old rock."

With Byron D. Halsted, '71, retired professor of botany at Rutgers College, New Brunswick, New Jersey, the musings took the form of poetry:

Fifty years have passed since first my eyes,
In the rocky cleft, beside the youthful road,
Beheld the cherry saplings. A moment's effort
Might have wrenched the treelet from its strange abode
And made from it a yielding cane to help me
On my way. Year after year with wonder
Thousands have noted the widening of the cleft
And the living wedge that pried the parts asunder.
Its own unfitness has been its preservation
Through struggles, all undaunted it was earning
The right to stand—a memorial landmark
On the highway to the home of human learning.
Now its stalwart branches bear their yearly load
Of fruit for singing birds and more than welcome shade
For the weary student who rests beside the rock
Reflecting upon the way earth's topography is made.
Warmed by the summer's sun; chilled by snow and ice
The rock and plant thus rocked in firm embrace
Has been a worthy teacher in a charming way
Begetting thoughts that the whole creation trace.
More than plant has been the imprisoned cherry tree;
More than mineral composed the splitting boulder.
The mind runs back upon the misty road of time,
And then on again to things that are still older.
The sermon is in the cleft and the wayside shadow
As well as in the stone itself. How supremely grand
The silent forces that never jar our senses!
How potent, patient, persuasive is the Unseen Hand!

E. Beatty, '16, Detroit; Geo. H. Wooley, '12, Ann Arbor; E. O. Elmer, '03, Devereaux; C. B. Taylor, '04, Oxford; John Strange, '02, Grand Ledge; H. B. Vasold, '14, Freeland; E. P. Robinson, '07, Saginaw; Mr. and Mrs. R. W. Sleight, '15, Laingsburg; C. H. Chilson, '12, Detroit; W. J. Baker, '15, Midland; L. A. Lilly, '77, Grand Rapids; K. S. Clark, '14, Wacousta; C. H. Dickinson, '12, Detroit.

AUCTION SALES DRAW MANY BIDDERS.

The auction sales of 34 pure bred draft horses and 53 shorthorn cattle, held in the Agricultural pavilion last Friday, were carried out to the great satisfaction of every one. A large number of breeders were attracted and the prices obtained and the sincere interest taken makes it almost certain that the sales will become annual affairs. This is what L. R. Waterbury, who addressed the sale in behalf of the State Board of Agriculture, hoped would come out of it.

Thirty-four horses were sold for a total of \$9,790, an average of about \$288 per head. One team brought \$1,245, a high price for sales in the Middle West in recent years. The 53 shorthorns consigned to the sale brought a total of \$10,759, giving an average of \$203 a head. A bull which sold at \$500 headed the list. One heifer, under a year of age, brought \$375.

SHORT COURSES ENROLL 130.

The eight weeks' short-course, which started January 8, has a total enrollment of 169, divided as follows:

General Agriculture.....	108
Dairying	25
Fruit Growing.....	17
Housekeepers	10
Poultry	9

This is quite a falling off, compared with last year, when the total was 217, but is in line with what was expected after the falling off in attendance upon the 16 weeks' course. This decrease is explained by a variety of things, chief of which may be mentioned lack of advertising by the College on account of financial condition, opportunities for high wages in cities, and poor farming conditions the past year. That the advertising feature is prominent seems to be borne out by the fact that the second year of both the eight and sixteen weeks' courses hold up well, showing that those who know of the opportunities will avail themselves of them.

SOCIAL FUNCTIONS.

Organizations at the College have scheduled parties for the winter term as follows:

- Jan. 27—Electric, Electric House.
- Jan. 27—Hesperian, Ag. Bldg.
- Feb. 2—Forestry Club, Ag. Bldg.

- Feb. 9—"J" Hop, Masonic Temple.
- Feb. 10—Hermian, Ag. Bldg.
- Feb. 16—Union Lit., Ag. Bldg.
- Feb. 17—Sesame, Armory.
- Feb. 17—Columbian, Masonic Tem.
- Feb. 21—Aurorian, Ag. Bldg.
- Feb. 21—Varsity, Armory.
- Feb. 23—Eunomian, Ag. Bldg.
- Feb. 24—Delphic, Ag. Bldg.
- Feb. 24—Sororian, Armory.
- March 2—Military, Armory.
- March 3—Trimoria, Ag. Bldg.
- March 9—Jonian, Ag. Bldg.
- March 10—Senior, Armory.
- March 10—Aethenaeum, Ag. Bldg.
- March 16—Dorian, Ag. Bldg.
- March 17—Themian, Armory.
- March 17—Ero Alphan, Ag. Bldg.
- March 24—Foresnic, Ag. Bldg.
- March 24—Feronian, Armory.

ATHLETIC BOARD MEETING.

At a meeting of the board in control of athletics a week ago Monday, John Morrissey was chosen baseball coach for the 1917 season at a salary of \$750. Coach Gauthier spoke of his work last year in the highest terms. Morrissey will commence drilling the battery boys in the Agricultural pavilion some time in February.

Among other important things taken up, it was decided that a committee of three from the board be appointed, including the athletic director, a member of the faculty, and an alumnus, to see that a closer tab be kept on the scholastic standing of athletes, and recommend that, if athletes get behind in their work, they drop out until their work is caught up. It is hoped by this method to prevent such wholesale dismissal of athletes from college as was necessary last term. Jacks and Al Brown were among those dropped. It is possible that the latter may return for work in the Summer session but it is doubtful if he will be able to play football next fall. Several others, prominent in athletics, were put on probation.

MICHIGAN EXPERIMENT ASSOCIATION REORGANIZED.

A strong interest in pedigreed seeds was shown at the meeting of the Michigan Experiment Association held early last week at M. A. C. A reorganization of the farmers under the Michigan Crop Improvement Association was consummated as one of the chief items of business. Under the new form there is an increase in the membership dues for local groups and a cutting down of the amount of seed furnished. The changes made will work for greater usefulness and efficiency for the association in the program of better crops for Michigan. This organization is really the medium for the extension work done in farm crops.

I. E. Parsons, '07, of Grand Blanc, president of the old organization, was made president of the new. Other of-

ficers are: Fred Cornair, Chesaning, vice president; J. W. Nicolson, '15, M. A. C., secretary; C. Hunsberger of Grand Rapids, D. E. Turner of Hillsdale, and Professor Shoemith of M. A. C., executive committee; F. A. Spragg of M. A. C., plant breeder.

BASKETBALL.

M. A. C. 41, W. VA. WESLEYAN 22.

With a team composed at the start entirely of seniors M. A. C. defeated West Virginia Wesleyan in the College Armory Friday evening, January 12, to the tune of 41 to 22. Dave Peppard, playing center, made a total of 31 points. He got 14 baskets from the field and three fouls. The other seniors were Vevia, Sheffield, Frimodig, and Captain McClellan. The following M. A. C. men were used as substitutes: Davis, Archer, Murray, Wood, Miller, and Rigby. Stephenson of Michigan refereed.

M. A. C. 34, HOPE 20.

The Hope College quintet made the M. A. C. five go the limit in the game last Friday night. Once they were in the lead and threatened again, but in the last few minutes of play M. A. C. pulled away by means of the Peppard-Murray combination, and the game ended 34-20. Murray and Peppard each got five baskets, Vevia two, and Frimodig two. Dalman, forward for Hope, was the chief cog in the Hollanders' scoring machine. Hope fouled eight times, M. A. C., ten. Peppard threw six from fouls, Dalman, six.

M. A. C. 47, ALMA 7.

Alma failed to score a single field basket, and M. A. C. used every member of the varsity, reserve, and scrub basketball teams in the game at East Lansing Saturday afternoon. The final score was 47-7, Alma getting her points from fouls. Wood at center and Archer at guard showed up well as substitutes. Peppard threw eight baskets, Archer, four; Sheffield, Frimodig and Vevia each three; Miller, one. Rowe of Michigan refereed.



Tool House in the Wild Garden.

CORRESPONDENCE.

AN APPRECIATION.

President Kedzie:

I take pleasure in communicating to you the information that at a joint meeting of the Michigan Association of Co-operative Creameries, the Michigan Creamery Owners and Managers' Association, and the Michigan Butter Bakers' Association held at the Wentworth Hotel in Lansing on the evening of December 1, the Michigan Agricultural College, and particularly the Dairy department of which Professor A. C. Anderson is chief, was accorded a unanimous rising vote of thanks for the opportunity afforded the dairy manufacturers in Michigan through the excellent special week's short course designed for experienced butter makers, creamery owners and managers.

Yours very truly,

H. D. WENDT,
Chairman, Joint Session.

A CORRECTION.

In a recent issue of the Record Dr. Beal told of the positions now filled by some M. A. C. men. He was in error in one statement. Mr. Clarence B. Smith, '94, is chief of the Office of Extension Work for the North and West and L. A. Clinton, '89, is assistant chief of the same office. There is no separate division or office for the work of the Eastern States, but they are included in the general division of work for North and West. This office of extension work is a part of the States' Relation Service of the U. S. Department of Agriculture of which Dr. A. C. True is director.

L. A. CLINTON.

Waterloo, Iowa.

Dear Langdon:

The first and most important fact of this letter is the inclosure of a check for one cart-wheel long past due. I am pleased that you, as editor, can sense the desire of one alumnus at least, and that is the pleasure of reading the Record regardless of an unpaid subscription.

As for news of my classmates or of any alumni I have little outside of meeting Dwight Curtiss in Des Moines about a month ago for the first time since both of us came to the state over two years ago. Our headquarters is Ames; Dwight is a member of the state highway commission, and I am a member of the teaching force of the college.

I was interested in the allusion to Brewer by "Lindy," and to him must be credited a great deal of M. A. C.'s athletic fame. It is my hope that the new athletic coach may be a man of the finest and best athletic ideals, such as those embodied in Brewer. However, my ultimate hope is that physical development of the student body

will supplant intensified athletic development of a few. This hope must abide by time for its realization, but it must come, and this by the way, is not casting any reflection upon present-day athletics as developed and demanded by the American student. This statement is simply a concurrence and approval of Lyman Carrier's letters.

Yours very truly,

O. H. JOHNSON, '11.

* * * You are certainly dead right in regard to physical training for the whole student body and not so much the few selected individuals of teams. Throughout the West all the colleges and universities are taking up the physical training idea with great promptness and thoroughness. O. A. C. requires all students, I believe, to take some physical work. Here the same thing applies, but, while our facilities are bad at present, we hope for the new combined armory and gym to make possible a complete solution of the problem.

I am a most enthusiastic advocate of physical and, of course, military training, and believe that the day will come soon when the two will be combined in a great movement to the better development of the American youth physically, mentally, morally, and patriotically. At this place there is a doctor in charge of the physical training who does not have charge of the athletic teams and all students get a certain amount of physical training under his direction, as well as a course in hygiene, sanitation, etc. Dr. Hall is now giving his men hygiene from army textbooks, combined with sanitation from the same source. He is about to take up the physical training textbook as used at West Point and teach his classes therefrom accordingly, and of course there is no better work published than that, at least a great many think so, for it is the result of years of study under the most favorable circumstances in the development physically of the young man. If the colleges of this country would put into force a loyally supported combined course of military and physical training a partial solution of the military problem of the country would result.

I am expecting to see a REAL physical training course scheduled at M. A. C. with the completion of the gym, and let us hope that by that time The Officers' Reserve Training Corps, now established in certain of the Colleges, will, combined with Universal Military Training, place the safety of the country in such a state that we can go about our occupations without fear of national destruction. Whatever physical training does for the body, military will do the same with added development of mental faculties and a discipline of mind and body so badly needed by the American youth.

W. D. FRAZER, '09, U. of W., Seattle.

ALUMNI SHOULD GET BEHIND SOME WORTH-WHILE MOVEMENT.

Editor Record:

Your editorial of December 12th, "Our College Spirit," was read with considerable interest. I might say that it is *some* challenge.

Regarding the comparative loyalty of Harvard and Yale men and the grads of M. A. C. a few things might well be pointed out.

In the first place a large proportion of Harvard and Yale men are found in the large cities of the east. This concentration of alumni is a powerful factor of university spirit. Moreover, a goodly percentage of these men are assured of wealth and position before they enter college; their life courses are pretty well marked out. All this tends toward a centralization of university spirit.

Compare with this the diversity of location and pursuits of the M. A. C. graduates. The two principal centers of these are Detroit and Lansing. The majority of the Detroit graduates are occupied in pursuits not associated directly with the curriculum of the college and their active interest with their Alma Mater can only be kept alive by some movement of common interest.

Notwithstanding all this I believe the M. A. C. spirit is fully as deep as that of any other institution in the country, although it may not be manifested in as spectacular a manner. Witness the gathering of the M. A. C. clans at the U. of M. game. Consider the gatherings at the various associations. While the M. A. C. spirit may have lain dormant in the past, it is awakening with a vengeance.

I believe this spirit could be brought out more clearly if the alumni could be enlisted in some movement worth while. As soon as the officers of the M. A. C. Association consider the time is ripe, a thorough canvass should be made among the alumni to raise a memorial of the graduates. This could be the home of the association or anything else which might be deemed necessary at the time. By distributing pledge cards the amount to be contributed could be spread over a longer time and enough money raised to build a real edifice. I believe in this way the issue could be put squarely up to the alumni of this college and that they would respond liberally. By asking them to pledge either by class or locality considerable competition could be started.

Concerning the achievements of the early alumni of M. A. C. no one is more proud of them than are the recent graduates. The latter, however, have not yet met their opportunity. I am expecting great things of certain young men.

In the matter of sending athletes to M. A. C. some of the grads are already on the lookout for promising material.

Their solicitation should not end here, but should include good men of all kinds, not merely athletes.

Here's hoping for further awakening of the M. A. C. SPIRIT.

Yours very truly,

RALPH I. CORYELL, '14.

"1912 NEEDS BOOSTING FOR RE-UNION."

HOW TO DO IT, BY KIRBY.

The Record has received a letter from Kirby, class secretary for 1912, in which he clears up some of the 'misappropriation of funds' which he thinks is alleged in "Dad" Barrows' bit of jingle in a recent Record. He also takes occasion to point out the way for a successful class reunion in June. The following are extracts:

"The class had 23 representatives at the first reunion. I was elected to get out a directory of the class. The receipts were as follows: 23 at reunion at 25 cents—\$5.75; 38 more responding to cards—\$9.50, a total of \$15.25. The disbursements for postals and printing totaled \$3.25, and the class now has \$12.00 in the treasury, a use for which I will suggest.

"Unfortunately only 61 members of the class responded to the cards and this made it impossible for me to get out a satisfactory directory at that time. Later I learned of the alumni directory and concluded that ours would simply be a duplication of the work of the college. * * * All of the '12 men I saw favored holding the \$12.00 until our next reunion in 1917.

"It is my opinion that '12 should make this a big event in every way and I suggest that we turn over the \$12.00, plus the interest at 3 per cent, to the Record editor for as much publicity as he will give us in booming our reunion this June. Perhaps we can make some arrangement this spring to have a 1912 Record well filled with items concerning our class. * * * As the 1912 members know we cannot afford to go ahead publishing a paper as "Dad" has suggested was my duty on 61 responses at 25 cents each.

"I will appreciate letters, either to myself or through the Record, to give me a better idea how to use this money in furthering the best interests of the class. As friend "Dad" may be worrying about his quarter I will state that the cash is in the bank, and if the bank fails I have a herd consisting of two cattle, two pedigreed Airedales, and some hens which lay in winter, which I will sacrifice to pay the bill. But leaving all joking aside the class needs some boosting for this coming June and I can see no better way than to co-operate with the Record and try and get all members back for a big jollification."

ALUMNI NOTES

'74.

M. T. Rainier, who is a Presbyterian pastor, moved from Talmage, Kansas, to South Dakota last fall. He wrote the Record that the new address was Beverlie. The Record soon learned that there was no such place as that in the state. Through his former address we learned that he lived at Belvidere, S. D., and, after getting in touch with him again, he said, that as the state had gone dry since he first wrote, he thought he would make no more mistakes.

'86.

William K. Clute of Grand Rapids, formerly assistant prosecuting attorney in Kent county, has just completed an analysis of and comment on the problems of modern city charters. The work will be published in book form and will be of especial use to lawyers and others interested in commission forms of government.

'88.

The Record has just received the annual report of the Bureau of Plant Industry, U. S. Department of Agriculture. The writer is the chief of the bureau, Wm. A. Taylor, who describes as follows the wide range of activities which come under his jurisdiction: "These have chiefly to do with crop production and utilization, including the improvement of plants by breeding and cultural methods, the investigation and development of methods of control of destructive diseases of plants, the introduction and acclimatization of crops from other parts of the world, the determination of crop relationships, both argonomic and economic, and the meeting of agricultural emergencies as they arise from time to time in widely separated regions of the country."

'90.

Lewis W. Spaulding is given in the last alumni directory as living at Lewistown, Montana. It should be Lewistown. Here he is owner and manager of the Lewistown Iron Works.

Albert L. Waters, who is a consulting mining engineer residing at 146 So. Van Ness Ave., Los Angeles, California, is doing special report work for the Universal Mines Co. Just now he is at Globe, Arizona. Mr. Waters lost his son, Albert L., Jr., age 13 years, from pneumonia on December 16. The boy had a powerful mind and was destined for M. A. C. in 1920. His remaining child, Alice, aged 16, may come here in 1918.

'93.

Chas. G. Percival, '89-'91, is now editor of the New York Globe, New York City, with office at 1986 Broadway. Percival has studied medicine at Tufts College and at Harvard, and in

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1902 graduated from the College of Physicians and Surgeons in New York City. In 1910-12 he took an automobile trip around the world.

'95.

A change of address was recently requested for W. W. Smith, '91-'94, from Los Angeles to 50 Broad St., New York City.

'00.

Bertha Malone is at the University of California taking graduate work in German. Her address is 2239 Marin Ave., Berkeley.

'03.

W. M. Barrows, a, assistant professor of Zoology at Ohio State University, is using his sabbatical leave for graduate study in genetics at Harvard University.

"Ordinarily I do not care to appear in print, but just to let "Hod" Norton know that he has not gotten the start of me any, you might mention that Mary Elizabeth Foster was born Oct. 5, 1916," F. O. Foster, manager Walker-Gordon Department, Detroit Creamery Company.

'04.

Two splendid horticulture bulletins have just been issued at Purdue University under the direction of C. G. Woodbury, who is head of the department. One is "The Indiana Farm Orchard, Operating Costs and Methods," and the other, "Commercial Onion Growing."

'05.

H. Foley Tuttle, a, is working in soil physics at the University of Illinois. His address is 812 W. Springfield, Urbana.

'08.

J. W. Wilber, a, is drug-farming at Glen Allen, Va.

M. R. Allen, a, is superintendent of a sugar factory at Saginaw, living at 814 State St.

Oie W. Stephenson, e, (M. A., U. of Chicago, 1915) is instructor in history at the University of Michigan this year. Incidentally Oie has refereed two basketball games at M. A. C. this term and his decisions have been most acceptable to every one concerned.

'09.

"Prexy" Fairbanks, e, is instructor in mathematics in the Lane Technical School of Chicago, still living, however, at Des Plaines, Ill.

'11.

C. A. Hamilton, "Short," who is superintendent of distribution of heating department for the Consumers Power Co., asks that his Record be sent to Saginaw for the present.

J. W. Knecht, e, is still assistant engineer with the Grand Rapids Railway company, in which position he has charge of all the construction work for that company—this in spite of rumors current last fall which were to the effect that he had taken a position

as inspector of materials in the navy yards at Washington. He did pass the civil service examination for this position and was offered an appointment, but a trip to Washington convinced him that he should stick to his work in Grand Rapids.

The editor was recently much pleased to get a letter from Sandakan, British North Borneo, expecting that the contents would disclose an interesting message from D. D. Wood, who is in forestry work for the British government there. But, to prove that the editor is not alone a "mere mercenary critter," the letter only contained a check for renewal. Well, we're glad to know you are alive "Divie," but what about your life there on the underside of the world?

'12.

Earl W. DeGraff, a, is milk inspector for the Detroit Board of Health, now working at Howell, Mich.

J. J. Harris, e, is assistant superintendent of construction for the Acheson Graphite Co., Buffalo, N. Y. His residence is 97 Henrietta Ave.

Geo. W. Massnick, ex '13, of Bay City, has recently been appointed to take charge of the sales end of the ready-cut house business of the Lewis Manufacturing Company, that city. This firm is doing an enormous business and Massnick's position is an enviable one.

'13.

Franklin B. Burns, ex '13e, is doing a general insurance business at 710 Corn Exchange Bank Bldg., Chicago. Burns graduated from the course in business administration at the University of Illinois in 1914.

In *Phytopathology* for December, 1916, J. A. McClintock, pathologist at the Virginia Truck Experiment Station, Norfolk, Va., has an article on "Sclerotinia Libertiana On Snap Beans;" also in *Science* for December 1, 1916, he has another article in which he discusses the question, "Is Cucumber Mosaic Carried by Seed?"

'14.

P. C. Baker, e, is in mechanical engineering work in Detroit, with residence at Addison Hotel, Apt. 218.

George Somerville, e, is now in the valuation department of the Illinois Central, living at 901 Galt Ave., Chicago.

The Sunkist Courier, the organ of the California Fruit Growers' Exchange, which is edited by Don Francisco, comes to the M. A. C. Library. All who have seen it say that it ranks well with Francisco's other successes in "putting things across."

'15.

W. S. Fox, e, is helping out in electrical laboratory instruction at M. A. C. this term.

R. R. Havens, e, is working in the Michigan Geological and Biological Survey, Lansing.

M. R. Brundage, f, has been placed in charge of irrigation projects for the Chase plantation at Corona, Calif.

C. B. Morton, e, is with the Grand Rapids & Indiana Railway, rooming at the Y. M. C. A., Grand Rapids.

A. L. Finch, a, has asked that his Record be sent to Sidnaw, Mich., instead of Arcadia. He is poultry manager at Emblaagard Dairy.

Samsom Liph, a, began duties November 1 as superintendent of Chicago Jewish Educational Alliance at 1243 North Wood St., Chicago. This is considerable advance over his previous position, he writes.

E. M. Young, e, was married last September to Miss Helen Higgins of Boston. He is still with the Sturtevant Mill Co., "with all indications of a bright future." Mr. and Mrs. Young live at 888 Mass. Ave., Cambridge.

George T. Hayes, a, has been given the territory of Southern California as representative of several standard hardware manufacturers. He will establish headquarters at Los Angeles, but will still continue to manage the fruit ranch at Monrovia.

Perhaps other members of the class can profit from the methods used in floating a loan as outlined in a recent letter from M. R. Brundage, who is on a fruit ranch at Corona, California: "I arranged with some influential San Francisco and Los Angeles bankers for the loan of one pesos, 20 years at 17-2-3 per cent compound interest. If the good times keep up and the frigidity does not ruin our lemons and oranges, I may be able to pay it back in the specified time." Though we're not "up" on the denomination in question, this looks to the editor like dire straits.

'16.

M. B. Molican, a, is teaching agriculture and science at Baraga, Mich.

F. R. Bates, v, is doing milk inspection work for the Detroit Board of Health.

G. R. Warren, a, is working in the packing house at the Chase Plantation, Corona, Calif.

C. P. Pressley, a, is with the John W. Ladd Co., in Detroit. His residence is 383 Military.

Wm. Murphy, a, is instructor in soils in the one-week schools being conducted by the Extension division this winter.

F. I. Lankey, e, is now at Bay City where he is working with the Michigan Central Railway. His address is 903 Florence.

R. W. Peterson, a, commenced work January 1 with the Experiment Station at M. A. C., his time to be devoted largely to seed production of vegetables. Since graduation he has been on the seed farm of George Starr, ex '96, at Grass Lake.

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