

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 15.

LANSING, MICHIGAN, TUESDAY, NOVEMBER 30, 1909.

No. 11.

## SUB-FACULTIES.

The State Board at its last meeting adopted the following plan of organization for the instructional force of the college:

In order that the responsibilities of the faculty may be shared to some extent by all members of the teaching force, the president of the college is authorized and directed to organize the instructional force of the college in the following four divisions:

1. The division of Agriculture.
2. The division of Engineering.
3. The division of Home Economics.
4. The division of Science and Letters.

The dean connected respectively with each of the first three divisions named shall be the executive and presiding officer of the division to which he belongs. The president of the college shall be the presiding officer of the division of Science and Letters.

At the beginning of each year the presiding officer shall appoint a secretary to serve for one year, whose duty it shall be to keep a careful minute of all meetings.

All action taken by a division faculty must be approved by the faculty before it can become operative. These division faculties shall have only advisory power except in such work and authority as may be assigned to them by the faculty. Meetings may be called by the dean, or the body may adjourn from time to time by vote of its members.

The division of Agriculture shall consist of the departments—Animal Husbandry, Dairying, Poultry, Farm Crops, Soils, Farm Mechanics and Agricultural Education, Forestry, Horticulture and Veterinary Science.

The division of Engineering shall consist of departments of civil, electrical and mechanical engineering, and also drawing and designing.

The division of Home Economics shall consist of the departments of Domestic Art, Domestic Science, and all other departments that may be added from time to time by the Board.

The division of Science and Letters shall consist of the departments of Bacteriology and Hygiene, Botany, Chemistry, English and the Modern Languages, Entomology, History and Economics, Mathematics, Military Science, Physics, Physical Culture and Athletics, Zoology and Physiology, etc.

Any teacher whose name appears on the pay roll of the college is entitled to membership on one of the divisions. In cases of doubt, the president shall make assignment. The president shall have the power to appoint to membership on any division professors who may also hold membership in other sub-faculties. He shall also have the power to assign part of the teachers in a department to one faculty and part to another as may seem proper, in order that each department may have representation in the division in which its work lies.

## CAPT. E. P. ALLEN GONE.

The college lost a staunch friend in the death of Capt. Allen, which occurred at his home in Ypsilanti on Thanksgiving morning. He died suddenly from a stroke of apoplexy. He was at his office in his usual health on the previous evening.

Capt. Allen was born in 1837 in Washtenaw county, Mich. He graduated from the State Normal School at Ypsilanti, and attended M. A. C. during 1858-'59. He served in the Federal army throughout the Civil War, reaching the rank of captain, and was honorably discharged in 1865. He then entered the law school in Ann Arbor, and, after graduation in 1867, opened a law office in Ypsilanti, where he has practiced ever since.

For over 30 years Mr. Allen was prominent in Michigan politics, having served as alderman and mayor of Ypsilanti, as representative to the State legislatures from 1877 to 1881, as Indian agent for Michigan from 1882 to 1885; as representative in congress from the second district from 1888 to 1892, and as delegate to the National Republican Convention at St. Louis in 1896.

Mr. Allen was a firm believer in the mission Y. M. C. A. and did all in his power to aid its progress. He was a member of the State Board of Agriculture from 1899 to 1903, relinquishing this position to accept a place on the board of the Soldiers' Home, an institution which always appealed to him with special force. He brought to his work, during his service as guardian of this college, large experience, great energy and absolute honesty of purpose. He was a member of the board when the Women's Building was erected and endeavored with all his great force to have it placed on the high knoll where the brick residences east of station terrace are located. It is safe to say that had he been successful in this effort few there would be now who would regret it.

Capt. Allen was a man of strong religious convictions and was always found on the right side of moral questions. He labored earnestly and efficiently and the world is certainly better because of the life of Edward Payson Allen.

## A COURSE IN AERIAL ENGINEERING.

The Cornell Aero Club, which was organized by students a few weeks ago, will see one of its objects accomplished next year, for Sibley College is going to give a course in aerial engineering. The course will be a technical elective, open to seniors, and will be in charge of Prof. McDermott, whose specialty is naval architecture. The sciences of air navigation and water navigation have some important principles in common.

Many students slept soundly during classes Monday.

## PRACTICAL WORK FOR JUNIOR FORESTERS.

The junior foresters are selecting negatives and preparing prints to enter the contest offered by F. N. Bovee, of Lansing.

The first part of the term work in field methods was spent in the study and use of the camera as a field record maker, and in the making of negatives and prints.

Mr. Bovee became interested in the work which the men were doing and decided to offer four prizes for the best negatives and prints along the lines of general landscape, line and detail work.

The prizes offered are, an Expo. Watch Camera and two rolls of films, \$3 in trade from Mr. Bovee's stock, 1 cider set (Dutch), \$2 in trade from Mr. Bovee's stock.

The negatives are to be placed with Mr. Bovee by Thursday evening.

The judges selected to award the prizes are two professionals and one of the best amateur photographers of Lansing.

Beginning Dec. 6th Chief Packer Daly, of the U. S. Army, will give one week instruction on packing and pack transportation.

Dean Shaw has kindly set aside part of the judging pavillion to be used for this work on stormy days. Aparejo are enroute from Fort Des Moines, Iowa, and the cross trees already on hand will give ample equipment. Copies of the revised edition of Daly's Manual of Pack Transportation may be had at the book store.

## M. A. C. MEN AS DIRECTORS.

Of sixty-three agricultural experiment stations in the United States and its possessions, eleven are directed by M. A. C. men. The latest addition is F. B. Mumphord, M. S., '93, now director of the College Station at Columbia, Mo. The others are as follows:

Alaska—*Sitka*; C. C. Georgeson, M. S., '82.

Colorado—*Fort Collins*; L. G. Carpenter, M. S., '83.

Connecticut—*Storrs*; L. A. Clinton, B. S., '89.

Idaho—*Moscow*; E. E. Elliot, (A. M., 1884, Monmouth College) took special work under Dr. Beal in 1897-'98.

Illinois—*Urbana*; E. Davenport, M. S., '95.

Nebraska—*Lincoln*; E. A. Burnett, B. S., '87.

New Hampshire—*Durham*; E. D. Sanderson, B. S., '97.

New York—*Ithaca*; L. H. Bailey, M. S., '86.

Ohio—*Wooster*; C. E. Thorne, with '70.

Wyoming—*Laramie*; J. D. Towar, B. S., '85.

In the instance of Colorado, Connecticut, Illinois, Missouri, Nebraska, Ohio, New York and Wyoming the heads are known as directors. Mr. C. C. Georgeson is special agent in charge at Sitka. Mr. L. H. Bailey has a leave of absence from the station at Cornell. Professor H. J. Webber is Acting Director in his stead.

## HYDROSTATIC BALANCES.

A simple and sensitive weighing instrument to be known as the Wisconsin Hydrostatic Cream Balance has just been devised at the Agricultural Experiment Station of the University of Wisconsin. The instrument meets the long recognized need for a simple and accurate method of weighing cream in the Babcock test bottles for testing. The ordinary cheap scales are inaccurate, and the more delicate balances are too expensive for general use by farmers.

The new invention consists of a specially devised brass float, similar to a hydrometer, which is placed in a cylinder of water. The instrument floats steadily in a vertical position, and supports a platform on which a cream bottle and nine gram weight are placed. Small, one-tenth-gram weights are placed on the platform until the float sinks to a line marked on the spindle. The nine gram weight is then removed and the float rises in the water. The cream is then put into the bottle with a pipette in a sufficient amount to again sink the float to a line on the spindle. This gives the weight accurately and the device is so sensitive that it is affected by a single drop of cream. The weighing can be done rapidly however.

The first model of these hydrostatic balances was shown at the National Dairy Show in the exhibit of the dairy department of the college of agriculture.

## FIGURE OUT THE WESTERN FOOTBALL CHAMPIONSHIP.

Minnesota defeated, decisively; Chicago and Wisconsin.

Michigan defeated Minnesota, 15 to 6.

Michigan defeated Marquette, 6 to 5.

M. A. C. defeated Marquette, 10 to 0.

Notre Dame defeated M. A. C., 17 to 0.

Notre Dame defeated Michigan, 11 to 3.

Marquette and Notre Dame played a tie, 0 to 0.

Missouri won the Mississippi Valley championship.

The *Chicago Record-Herald* says the six best teams are Notre Dame, Michigan, M. A. C., Minnesota, Missouri, Marquette, with no team having a clear title.

The *Chicago Tribune* gives Notre Dame the championship, with M. A. C. among the four next strongest.

The *Grand Rapids Press* gives Notre Dame the championship, Michigan second, M. A. C. third, with Minnesota and Marquette as the other strong teams.

We make no claim for any place or championship, except that on actual scores and goods delivered during the season. M. A. C. seems to rank as one of the five or six strongest teams in the west.



# The M. A. C. RECORD

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TUESDAY, NOV. 30, 1909.

## PRACTICAL LUMBERING FOR THE SENIOR FORESTERS.

At the close of this fall term the senior foresters will have ten days of practical work in the lumber camps of the O. H. White Lumber Co., of Boyne City.

The company at present is operating six camps located in Charlevoix county, with from 100 to 125 men in each camp, not counting transportation crews. The W. H. White Company are noted throughout the state for their businesslike methods, their well kept yards and camps, their fine horses and the quality of board they supply their men.

The timber cut in the different logging camps is at present mostly hard maple, beech, elm, oak and hemlock, with an occasional white pine.

The logs are shipped to Boyne City where the company's mills are located, three saw mills cutting on an average of 125,000 b. d. ft. per day. These mills are models regarding up to day machinery and the arrangement of the same. Besides these mills the company operates flooring mill, novelty mill, wooden bale mill and supply slabs and waste to a distilling plant. The company furnish all their hemlock bark to a big tannery located on the outskirts of the city. This tannery has a monopoly on all the bark produced in the northern portion of the state and hides are shipped by boat direct from Chicago.

The company own their own docks and their own boats. Last week seven boats cleared carrying lumber to Buffalo, N. Y.

The foresters will start in the standing timber and after estimating different tracts will follow the logs through each operation. At the close of the work a representative of the company has very kindly consented to give a talk on methods and market demands. The men will then take up the work in the mills at Boyne City, and follow the logs through, noting the process in detail until the lumber is ready for shipment. The men will also observe the process and methods in the flooring mill, the bale mill and the distilling plant. They will also visit the tannery and note the manner of the utilization of hemlock bark.

At present the company are cutting some of their largest hard woods.

A representative of the U. S. Forest Service will be in camp with the Foresters, and will occupy each evening with talks on Forest Products and Forest Statistics.

## GINSENG ASSOCIATION.

The Michigan Ginseng Growers Association will hold their annual convention at East Lansing, Dec. 1 and 2. Dr. W. J. Beal who has thoroughly studied the life of this plant, will give the association the benefit of his research.

There is probably no plant outside of the edible species that arouses so keen an interest as ginseng. The raising of ginseng is a true sport. Although it has no very valuable use, the seed balls are very often sold at a dollar each and higher. The plant requires especial care in cultivation the conditions of the forest needed.

There are about a hundred members of the association in the state.

Dr. G. A. Ross of Big Rapids is president of the association and will have charge of the meeting this year.

## Y. M. C. A. NOTES.

Credentials were yesterday received at the Y. M. C. A. office for the eight delegates that have been selected to represent M. A. C. at the Sixth International Convention of the Student Volunteer Movement to be held at Rochester, N. Y., Dec. 29, 1909 to Jan. 2, 1910. Representatives of 26 nations will be there, together with students and professors representing 600 American colleges. A circular is being sent out to the students bearing the words: "Students of M. A. C. help send seven delegates to the Great International Student Volunteer Convention at Rochester, N. Y." and judging from the response that is being made by loyal students \$50 to \$75 will be raised to help the student delegates bear the expenses of the trip. Following are the names of those receiving credentials: A. P. Pulling, E. C. Lindeman, Truman J. Dean, E. A. Close, Miss Harriet Weston, Miss Virginia Crafts, C. W. Hayes.

The Union meeting Nov. 21, was addressed by F. P. Bayliss, religious work secretary of the Lansing Y. M. C. A. and by Miss Lauder state student Y. W. C. A. secretary. The claims of the foreign mission field upon the service of technical school students was well set forth and well received.

After this meeting came the Y. M. C. A. "feed." This "feed" was an oyster stew served in Wells' Hall, by the members of three defeated teams in the Membership Contest. Good fellowship pervaded the atmosphere and toasts rang with good humor. About forty-five members sat around the table.

The Union meeting November 22, was addressed by Professor Jeffery, who talked on "Loyalty." His talk was richly illustrated by patriotic anecdote.

There are about one hundred men in the thirteen classes in Bible study which meet for the most part on Sunday morning. This was the report made at the monthly conference of Bible study leaders November 5.

Miss Maud Gilchrist was guest of the Charlotte Women's club at Charlotte, Saturday. All the club women of Ingham county were extended invitations. Miss Gilchrist was one of the speakers of the occasion.

## ALUMNI

'81.

A. B. Turner, '81, is with the Singer Manufacturing Co. at Cairo, Ill. His address is 2402 Elm St.

'90.

E. J. Rowley, '90, is traveling for the *Farmers' Advocate*, a weekly farm paper published in Winnipeg, Manitoba. He sends us this information: "November 17th, temperature -12 degrees F. November 20th -22 degrees F. Some snow on ground; wheat 80c. or so, depending on how badly it frosted; apples \$2.50 per box; flour \$3.25 to \$3.50 per cwt; rent \$9 for four-room house. Keep young farmers and hired men in Michigan. After living and existing here four and a half years I say for Great Lakes farmers to stay away."

B. Barlow '03 is head botanist in the North Carolina Department of Agriculture. The work consists in field and laboratory work and is compensated by a salary of \$1000.

'92.

Wm. P. Hawley, '92, is with the Lewis Institute in the department of mechanical drawing. His address is 320 North 64th Ave., Oak Park, Ill.

'04.

"In January, 1909, the civics committee of the Chicago Woman's Club called a public meeting at Fullerton Hall, at which there was appointed the Chicago Tree Committee, made up of thirty citizens representing many prominent clubs and societies, with Franklin McVeagh, now secretary of the treasury, as chairman. This body proposed to Mayor Busse the adoption of an ordinance concerning trees and shrubbery in the streets of the city.

"The proposition was approved by the mayor, and on his recommendation the city council unanimously adopted, on March 12, an ordinance as originally drafted by the tree committee, with minor amendments. It was agreed by the mayor and citizens interested that the work ought to be placed in charge of the special park commission, which had already extended its work for small parks and playgrounds over the whole city, besides possessing the necessary experience and interest in the subject. The ordinance accordingly gives control of trees in the streets to the special park commission, and authorizes it to appoint a city forester, who is to direct, assist and advise persons wishing to plant trees, and to have general charge of the care of trees in the streets."

J. H. Prost, '04, is now city forester of Chicago, and is very actively engaged in making the "City Beautiful."

With '05.

The friends of Miss Harriet L. Toan will be grieved to learn of her death which occurred at Oklahoma City on the 25th inst, following an operation for appendicitis. She had been a teacher of domestic science in that city for the past three years.

'07.

Mrs. G. O. Stoffer '07, formerly Miss Helen Andrews, has changed her address from 307 Douglas ave., Kalamazoo, Mich., to 340 North Catherine ave., La Grange, Ill.

With '08.

Mr. Roy N. Murdaugh, with '08, is florist in Streator, Ill. Both Mr. Murdaugh and Mr. Henry M. Crowley, '08, attended the flower show in Chicago, Nov. 5.

'08-'09

W. D. Frazier writes that the three M. A. C. men recently appointed to the Coast Artillery Corps have been assigned to companies at Fort Monroe and will remain there for six months mainly for the purpose of getting a longer course of instruction. They are being worked somewhat after the M. A. C. plan with lots to do and not much time to do it in. Although the work is very strenuous it is equally interesting and instructive.

"It was very pleasing to the three of us to learn of the results of the Marquette game and to know that the team did so well."

The other two men referred to are James Campbell, '08, and R. R. Lyon, '09.

## ROBSON LANDS EXCELLENT POST.

Frank E. Robson, '78, of Detroit, has been appointed to the position of general attorney of the Michigan Central railroad. The appointment is made by Henry Russell, general counsel of the system, with the approval of Vice-President A. H. Harris.

This appointment fills the vacancy made when Attorney O. E. Butterfield was advanced to the post of representative of the New York Central lines in legal matters having to do with the interstate commerce commission.

Attorney Robson is a native of Lansing, Mich., where he was born in 1859. He came to Detroit 19 years ago, in the fall of 1890, and became a member of the firm of Van Zile & Robson, his associate being the present prosecutor of Wayne county. Mr. Van Zile came from Charlotte at the same time. Three years later the partnership was dissolved and up to four years ago Attorney Robson maintained a separate office. In 1905 the firm of Robson & George was formed, which partnership still is in effect.

Mr. Robson for ten years or more has been connected with the Detroit College of Law and has lectured on "Private Corporations," "Partnerships" and other branches. He has a wide acquaintance among attorneys in the city and state.

As general attorney of the Michigan Central Mr. Robson will have active charge of the legal department of the road, under the direction of General Counsel Henry Russell.—*Free Press*, Nov. 25.

## SONG.

The chestnuts shine through the cloven rind,  
And the woodland leaves are red, my dear;  
The scarlet fuchias burn in the wind—  
Funeral plumes for the year.

The year which has brought me so much woe,

That if it were not for you, my dear;  
I should wish the fuchsia's fire might glow

For me as well as the year.

—F. B. Aldrich in *Technical World*.



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### A HINT TO FATHERS.

Should we send our girl to college? That is the question a great many fathers and mothers are now pondering over. Is it essential? Would it really benefit her? Father thinks she should be given the chance, but mother says she never had a college education, and she has made a good wife. She insists that she will not have her daughter going to the city to be a stenographer or clerk, and that is what she will want to do if she is allowed a higher education. She doesn't need it to be a good housewife, so what's the use? Doesn't she need it? Right there, mothers, is where you are making a grave mistake. Do not be afraid of educating your daughter away from the farm. Remember what was considered a fair education for a girl a quarter of a century ago, is insufficient now.

After the girl has finished her little home school and considers herself a young lady, she soon grows tired of the routine work of the house. She has nothing in particular to occupy her thoughts. She has had no training in any particular line, naturally, drudgery is all she sees ahead of her. The same old thing from morning until night. Then it is that the lure of the city calls to her, she reads some story in which the fair stenographer is the heroine in a thrilling episode, she becomes discontented with her lot and resolves to leave the farm.

If she is sent to a good school, a new world is opened unto her. When vacation days come she is glad to get back to the old home. She has learned its value. She is full of new ideas and theories and anxious to try them. When her college course is completed, if the

proper conditions are met with at home, she is ready to bring her knowledge of mathematics, chemistry, physics, sociology and ethics gained at college, to bear on the household problems. She can reduce the work by systematizing it. She will reduce the amount of supplies by combining foods properly. She will be willing to take up the work of the home in a scientific and useful manner. She has a broader view of life, plenty of bright thoughts to occupy her leisure moments, and no longer considers the work a drudgery because her educated individuality is allowed exercise. Then there is the personal side of the question, the real gain to character. It is lifting your daughter into the position of a cultured and well educated woman. It gives her a polish and standing to enter any kind of society, and enables her to for herself, if the occasion should ever arise. It places her on an equal footing with the scientifically educated young farmer whom she may marry, or the well informed business man of the city. She graduates into matrimony a self-educated home maker and when her young husband is struggling with the financial world, she is able to sit at his elbow and plan with him, a true and practical helpmeet.

### A JOKE MADE IN HEAVEN.

Mr. Jones had recently become the father of twins. The minister stopped him on the street to congratulate him.

"Well, Jones," he said, "I hear that the Lord has smiled on you."

"Smiled on me!" repeated Jones. "He laughed out loud at me!"—*Everybody's*.

### Y. M. C. A. IN NEW FIELD.

"The rural group work will soon become the greatest feature of the county Y. M. C. A. work," says County Secretary O. O. Stanchfield in referring to the newly-organized group in the Hoxie school district in Wheatland township. The feature of this group is the study of agriculture and approved farming methods. The group is under the leadership of John Corbett, a prominent farmer, and a series of talks is being arranged to be given by local agriculturists and live stock men, and teachers of agricultural branches.

Although less than a year has elapsed since the organization of the Hillsdale County association, the membership numbers 215. Many rural groups will be organized as a result of the success with which the Hoxie organization is meeting and other counties will take up the agricultural feature.

### A STORY OF POE.

A lady employing a colored man asked his name.

"Mah name is Poe, ma'am."

"Poe? Perhaps some of your family worked for Edgar Allen Poe."

The darky's eyes opened wide with great surprise.

"Why—" he gasped, pointing a dusky forefinger to himself, "why, Ah am Edgar Allan Poe!"—*Everybody's*.

Mr. Simon Hagadorn, of Fenton, Mich., Mr. J. B. Gilbert, of Webberville, and Mr. Claude Grove, of Litchfield, will act as instructors in the dairy department during the short course beginning in January.

The advanced geology class visited the brick yard Monday morning to study the making of tile and brick.

The Women's Society of the People's Church will hold a bazaar in the college chapel Friday afternoon and evening. Everybody cordially invited.

Dr. G. A. Waterman, who was professor of veterinary science here from 1897 to 1907, will have charge of the short course in that department this coming winter. Dr. and Mrs. Waterman will reside at Mrs. Ella Kedzie's until more commodious quarters can be found.

Prof. R. S. Shaw left the city Friday to attend the International Live Stock Exposition at Chicago. He has consented to judge certain classes of cattle. Next week he will visit Omaha for the purpose of installing the M. A. C. exhibit at the Third National Corn Exposition.

What those M. A. C. gladiators did not do was to take the D. A. C. grounds with them. They mopped up everything to the subsoil and could very appropriately have gone home on the gravel train. Can they play football? In the language of the good old deacon who never swore: "Thunder and lightning, Maria!"—*Detroit Free Press*.

An iron spear head recently excavated in Egypt bears witness to a knowledge of iron and its uses at a period several centuries earlier than hitherto supposed. The discovery of it at Behen corroborates the view previously expressed by several archaeologists that iron working originated not in Asia, as sometimes conjectured, but in Central Africa.



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#### THE FARMER'S IMPORTANCE

"Civilization is mostly the story of the triumph of the human stomach."—James J. Hill.

"Too much Waldorf-Astoria destroyed Babylon and Nineveh."—Elbert Hubbard.

There are few chapters in history or economics more interesting or more exciting than the story of man's struggle for food.

His complete confidence at one time in the stability of the supply, and the heart-rending agonies when he fails to cope with circumstances are the supreme tragedies of the human family.

We Americans are certainly a careless people in a way. At one time it was said that we fed the world. Today our supply of food products would last only a twelve month in case of a famine, and yet we are shipping to other countries countless millions of bushels of wheat, corn, oats, potatoes, and the like, and countless cargoes of meat.

There is yet another folly we are committing. We are gradually abandoning the farms and moving to the cities where we become consumers entirely and not producers of the staple wealth of the country. In 1790 only about 34 per cent. of the American people lived in towns. In 1860 the census showed that 16 per cent. was in the cities and in 1900 more than 31 per cent was urban. This shows that the per cent. is just about doubling every 30 years, so that in 1930 there will be about two-thirds of our nation feeding off the toils of the remaining one-third. But the hegira commenced about 1880 with such acceleration that in all probabilities the census of 1910 will show that the above condition already exists.

The cities of a nation, as history has always shown, represent the surplus of a nation's rational capacity. The amount consumed by the cities represent the surplus, to a large degree, of the productiveness of the country. This city surplus within itself represents the loose soil and debris of society's mountain side to be partly or wholly washed away with each storm of productive fluctuation.

(To be continued.)

#### WILLING TO TRY.

"Do you think you can manage with my salary of three pounds a week, darling?" he asked, after she had said yes.

"I'll try, Jack," replied she. "But what will you do?"—London Tit-Bits.

Prof. Sawyer and Mr. and Mrs. Roller were business callers at Detroit Monday.

#### STUDENTS!

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