

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 15.

LANSING, MICHIGAN, TUESDAY, OCTOBER 19, 1909.

No. 5.

## D. S. BULLOCK, '02, SPEAKS OF TRAVELS AND WORK IN SOUTH AMERICA.

Mr. D. S. Bullock, '02, spoke in armory Sunday evening and Monday morning. His work is that of a missionary, not a religious worker, exactly, but a teacher of industrial education. For the last seven years he has been employed among the Patagonian Indians of Southern Chile teaching agriculture, horticulture and carpentry. This work is maintained by the South American Missionary Society of The Church of England.

Mr. Bullock is the only American employed in this work. Mrs. Bullock is a Canadian by birth and the fact that they met in far-away South America has given occasion for a little joke among their friends at home. Their relatives sometimes mention that they went to the aborigines of distant lands to find a mate. There are many Germans and French in missionary work and in importation houses.

South America has been called the neglected continent. Although the entire area is less than that of North America the productive area is greater. At present there are some 400 tribes of native Indians maintaining distinct governments and varying in degree of civilization from the Stone Age up. One tribe was recently discovered which was actually living in the Stone Age.

The valley of the Amazon is very rich in rubber, mahogany and other colored tropical woods. Civilization there is very slow on account of the dreaded insects and diseases. In some places, however, drainage has been effected to such a degree as to insure excellent sanitary conditions in both seasons of the year. There are some 10,000 towns along the Amazon, composed mostly of Indians and transient traders. The Amazon is navigable for several thousand miles. Last summer (winter here) a British man-of-war came up the river to within 400 miles of the Pacific coast.

The La Plata is navigable for 3,000 miles and extends its tributaries to within a mile of those of the Amazon. A traveler can enter the mouth of the largest river in the world and need walk only a mile to land at Montevideo through a course of some 2,500 miles. Owing to the excellent waterways, the sparse population and strong inducements, South America may be considered a continent of the twentieth century. Railroads and other similar resources are far distant.

The exports of the eastern part of Brazil are mainly coffee, gold and a few diamonds; Uruguay and Paragua are great tea producing countries. Along with the great quantities of tea exported some tropical fruits are sent abroad. Argentina produces great quantities of tropical fruits and is a rich agricultural country. Chile is five times the size of the state of Michi-

(Continued on page 2.)

## THE PHANTOM BRIGADE.

Customs are not to be broken. So when a great event is pulled off with much success the evening darkens with every heart a-flutter. There *must* be a little "cutting up" and the officials must tolerate it. Maybe they too would jubilee.

So at 7:10 some two or three hundred happy youths assemble in their "evening attire" and do a "war dance" around a real blaze. Out of sympathy, perhaps, or may be more to relieve the monotony, the fattest man is allowed to ride on the long marches. Of course no great social function would be complete without the women, even if they did nothing more than merely look on. Therefore they are given a chance forthwith to respond with blessed smiles from upper widows to the spectral show below.

Oh, ye college days! Ye days of special cars and cannon crackers, the "smoke dances," heroes and glory of the gridiron! They come but once, and so President Snyder (he would feel slighted if we didn't mention him) makes a short talk expressive of enthusiasm and delight over the future prospects of the athletic side of our college.

After a visit to the Family Theater the boys returned to the campus, and in a short time the world gets quiet and nothing is to be seen save now and then a shooting star.

## THE MILITARY DEPARTMENT

The appointments that have been made under Lieut. Holley's command are as yet only temporary, and will not be made permanent until they are approved by the president. However, it is probable that all, or nearly all, will be made permanent in a short time.

At present there is being considerable interest taken in the work, made manifest by the number of upper-classmen enrolled. Six seniors have taken an active interest in the band. A. L. Campbell is drum major with the rank of lieutenant. Other appointments are as follows:

Majors, I. D. McLachlan, '10, G; E. Hoffman, '10; Reg. Adj., O. L. Snow, '10; Q. M., M. M. Babcock, '10; Adj. 1st Batt., J. W. Chapin, '10; Adj. 2nd Batt., L. T. Burritt, '10; Orderly Officer, B. Cataline, '10; Range Officer, E. H. Kolb, '10; Ext. Lieut., A. P. Pulling, '10; Captains, O. C. Lawrence, '10, A; J. E. Shaw, '10, B; B. W. Taggett, '10, C; H. E. Lynch, '10, D; E. W. Baldwin, '10, E; G. W. Bancroft, '10, F; E. P. Bushnell, '10, G; H. H. Douglas, '10, H.

First lieutenants, N. Van Horn, '11, A; J. A. Waldron, '10, B; B. E. Hoffman, '10, C; T. E. Whyte, '11, D; E. R. Dail, '10, E; C. H. Poinitz, '10, F; M. D. Farmer, '10, G; A. Frutig, '11, H.

Second lieutenants: C. S. Roe, '11, A; F. Richards, '11, B; C. W. McKibbin, '11, C; J. De Koning, '11, D; W. R. Walker, '11, E; R. E. Thompson, '10, F; C. S. Wagner, '10, G; and G. F. Conway, '11, H.

## THREE M. A. C. MEN SECOND LIEUTENANTS IN COAST ARTILLERY.

The appointment of thirty successful candidates in the examination held July 12 for second lieutenants in the Coast Artillery Corps does not serve to take up all the vacancies in the corps, and another examination will be held in January. There will probably be about twenty vacancies by that time, with the fifteen vacancies already existing and the casualties likely to occur. At the July examination, 95 out of 102 candidates designated reported. Only thirty of these passed, three of whom were M. A. C. graduates—J. R. Campbell, '08, W. D. Frazer, '09, and R. R. Lyon, '09. Ohio furnished three, and New York four.

These positions are generally filled from the state technical schools, as they necessitate a thorough knowledge in either mechanical or electrical engineering. Such schools as M. A. C., Purdue, Hoboken, and others of similar rank are held in preference to West Point when making a choice of men for these places. This is owing to the fact that the latter institution offers a more liberal course in stead of especially the practical and technical.

There are five men in college this year who will try for places at the examination in July.

The three men who have already received appointments will probably be sent to the Coast Artillery school, Fort Monroe, Va., for a course in training. After the work there is finished they will be assigned to a post for about two years.

There are probably a dozen in all from here who are in some branch of the United States service. Some of these have risen to the rank of captain.

## ALMA HEARD FROM.

"For those who didn't actually see the game, to be told that Alma took defeat at the hands of M. A. C. at the preposterous figures of thirty-four to zero, it would perhaps be strange if they didn't pull a long face and have dire misgivings for the future; but for those who did see the game, who actually witnessed the maroon and cream battling with university caliber, the score could have been anything it might have been, no matter how bad, and they would be satisfied and as proud of their team, if not prouder than before. All honor to a good loser. More honor to a fair winner. M. A. C. is playing football and if anyone doesn't believe it, just arrange a game between them and the University of Michigan and if it isn't a great game with the odds in M. A. C.'s favor then the Almatian is "in wrong."

Thank you Alma.

'00.

Wm. Ball, '00, lives at 14 Highland Ave., Grand Rapids, Mich.

## ALUMNI

'93.

Wendell Paddock, M. S., '00, has recently accepted a position in the department of horticulture at the Ohio State University. He has been at Fort Collins, Colo.

'94.

"Seventeen Years of City Growth Exemplified." is the title of an article in *Civic Affairs*, Memphis, Tennessee, by C. C. Pashby. Mr. Pashby graduated from the engineering department in 1894. He is now clerk of the Engineering Department of the city of Memphis.

'97.

Mr. I. L. Simmons, '97, has been appointed bridge engineer for the Rock Island lines, with headquarters at Chicago, Ill.

With '00.

Frederick N. Stocking who entered M. A. C. in 1896 is draughtsman for the American Lubricator Works of Detroit. He has not been on the college grounds since 1897.

'03.

A. C. Miller, '03, has changed his address from Wheeling W. Va., to Berrien Springs, Mich. He is manufacturing creamery butter.

Frank M. Morrison, '03, has been elected head teacher of manual training in the third ward schools of Allegheny, Pa. He has received an increase in salary over the position which he last held at Jersey City, N. J. The manual training instruction in the schools of Allegheny—or North Side Pittsburg, as it is now properly designated—ranks very high, probably nothing better in the country. This work was begun fifteen years ago by Pres. Snyder, who was at that time principal of the fifth ward, one of the large, wealthy wards of that city. From the manual training school which he organized twenty-one other such schools have been evolved.

'05.

Wilfred Strong, '05, lives at 221 W. Vine St., Kalamazoo, Mich.

R. Floyd Bell, '05, is with the Mt. Vernon Bridge Co., Mt. Vernon, Ohio. Until recently he has been in Columbus.

'06.

Sam Markham, '06, is connected with the engineering corps in the Bureau of Lands in the Philippine Islands. He intends to return about Oct. 1st. He will locate somewhere in the West.

'07.

Oscar A. Kratz, '07, is employed by the Canadian Bridge Co., of Walkerville, Ontario. He attended the Wabash game.

'08.

The address of John W. Wilbur, '08, is Dearborn, Mich.

E. C. Pokorny, general contractor in Detroit, writes encouragingly of his prospects.

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(Continued from page 1.)

gan. It is 2,700 miles long and has a population of 101,000 Indians, composed of three distinct tribes, and whites from the countries of southern Europe.

The Anglo-Saxon with his vivacity and wit, keen ingenuity, and a vitality to back up his determinations, has not yet conquered the western hemisphere to the south. Mr. Bullock gives this as the main reason for South America's tardiness in becoming civilized.

The Indians of Chile are divided into three distinct tribes, Patagonians, Araucanians and Yaghans, the inhabitants of Tierra del Fuëgo. These last were considered by Darwin to be the most degraded of all the human race. At present there are only 150 remaining, and it is only a matter of a short time until the tribe will be extinct. Missionaries have been at work among them for fifty years, most of whom have been under the auspices of the Roman Catholic church.

Sunday evening Mr. Bullock illustrated his lectures with lantern slides. He showed the costumes of individual Indians and tribes, medicine women, and modes of burial. He spoke of the mission schools which are half literary and half industrial. All schools are "co-educational." Bible classes are held every day. Mr. Bullock emphasized the work in agriculture and the condition there.

The harvest field is very much like the scene in the story of Ruth. The wheat is cut with a sickle, threshed with horses, and cleaned in the wind. It is stored in a hollow log or horse hide.

Mr. Bullock maintains that it is impractical to educate these persons to a high degree of civilization, because they either lose all respect for their own people or drop back to the starting point in a very short time after returning. He thinks that the only field for the native race lies in industrial work. Without this it is impossible for them to stand against European races.

Santiago, the capital of Chili has 400,000 inhabitants, equal to the size of Detroit. Animal life is very scarce in this country. The puma is the only prowler that has survived. There are many, however, toward the central part of the continent in the equatorial region. South of this equatorial belt will some day be even a finer country than southern California. The cli-

mate is delightful and irrigation is unnecessary.

Mrs. Bullock has been teaching sewing in the girls' school. When Mr. Bullock returns, Jan. 20, it will be harvest time, making three consecutive summers without any winter for him. He will leave here for Canada Oct. 16, and from there go to England, where he has presented biological societies with some very valuable collections. One of these contains a skin of great value, only a very few of which have ever been obtained. Charles R. Darwin had obtained one other.

STUDENT "SIDESHOWS."

In an address before the National Association of State Universities, President Shurman, of Cornell, touched upon "student activities" in this manner: "These extra-curriculum activities have become, in the last decade or two, a serious menace to the real functions of our universities, state and endowed alike. In themselves considered, these so-called student activities are proper, and it may be even laudable. I need not point out, though the fact escapes general attention save in the case of football, that these outside activities absorb the time and interest of the students who participate in them to the detriment of that intellectual training and education for the sake of which they presumably came to the university. It is no relief to the situation to point out that such students derive a valuable experience from these non-academic pursuits. Undoubtedly they do. But the university does not exist for the sake of side-shows that can be grouped about its hospitable campus. They are mere phenomena, or even epiphenomena, that play about the vital and essential reality which we call the university. To substitute them for it is to glorify the shadow as the substance."

Farther on the president made an important distinction between American and European scholarship:

"At Oxford and Cambridge students are divided into "pass" and "honor" men, the former numbered by thousands and the latter numbered by hundreds. And in Germany a radical distinction is made between the pass degree and the degree of *magna cum laude* and *summa cum laude*, the latter of which is obtained by only a small number of graduates. To these distinguished graduates the best things are open both in Germany and Britain. With us in the United States, speaking generally, all degrees of the same denomination conferred by a university have the same value. The result is that our degrees are held in little esteem by the public.

'08.

Mr. O. W. Stephenson, of '08, is the new principal of the Holland high school. Mr. Stephenson went to Holland from Evart, where as principal of the Evart high school he spent a very successful year. He says he finds the RECORD on the high school library table, and gives it a smile of welcome and a thorough investigation each time it comes; that his heart rejoices over M. A. C.'s many victories and sorrows at each defeat. He will be mighty glad to hear from any of the boys at any time, or take any in that might stray Hollandward.

UNION LITERARY DANCE.

On Saturday evening, Oct. 16th, the Union Literary Society successfully entertained some one hundred guests at their annual fall term dancing party. The event was held in the armory, which had been made to appear very home-like by the neat arrangement of rugs, screens, furniture and palm decorations.

Prof. and Mrs. Babcock and Prof. and Mrs. Hedrick chaperoned the young people, who evidenced a great deal of enjoyment.

Neat programs enclosed in covers of blue silk, together with roses, which were generously distributed during the "favor dance," forming appropriate souvenirs.

Music for the score of dances was furnished by six pieces of the college orchestra, who evidently put in their best efforts, judging from the repeated encores. Light refreshments in the form of punch and wafers were served.

A large number of outside guests were present, besides some eight or ten alumni "Lits" who returned to their old Alma Mater to enjoy both the Wabash game and the party.

THE FORENSIC SOCIETY.

Saturday evening the society celebrated its second anniversary in their rooms, which were tastily decorated with their colors.

President Crane delivered the anniversary address and "cinched" his statements with some of the funny stories which he always has at hand. Another feature of the program was the farce, "Dr. Deoculum," which was well executed and very amusing. After the program the meeting was adjourned for the social hour. Refreshments were served in the shape of ice cream and wafers.

The society will entertain their friends with a fall term hop the 6th of next month.

PRIZE TO FORESTRY STUDENTS.

F. N. Bovee has announced to the Forestry department that he will give to the students who produce the four best negatives and prints the following prizes:

1. \$5.00 worth of anything in the photography line carried in stock.
2. A German cider set consisting of one large and two small steins.
3. An Expo watch camera.

The three judges who will award the prizes will be chosen from the profession of photography of Lansing.

The Forestry department offers a course in picture making as one of the phases of field methods. This is designed to enable boys to make field records correctly.

The Grand Rapids M. A. C. Association will run its annual excursion to M. A. C. Nov. 6. The association invites the parents of students and friends to come with them. Tickets will be on sale at County Surveyor Wilkans' office or W. C. Hall, 611-112 Murray Bldg. Will leave Grand Rapids at 8 a. m., and run direct to the college and return at 5 p. m.

LIBERAL ARTS UNION ENTERTAINMENT.

The first number of the entertainment course was given in the armory Monday evening, Oct. 18th, to a large audience. Considered as a whole the concert was very pleasing and satisfying.

Mme. Forna, though suffering with a cold, sang her numbers with a great deal of expression and dramatic instinct. Her first number, Aria from "Herodiade," was received with a burst of applause, and she was compelled to respond to two encores. Mme. Forna's voice is a true mezzo-soprano, and the rich quality of her lower tones was brought out to the best advantage in "Le Nil."

The work of the Kellenborn quartet received the hearty appreciation and approval of the large audience present. The marked expression and sympathy with which they rendered the high grade productions of the program made the occasion one of rare opportunity for the people of this community. Conspicuous on this program of uniform goodness are the individual numbers of Mr. Killenborn with the violin, the cello solos of Mr. Skalmer, and the selection from Tschalkowsky rendered by the quartet, all of which numbers were repeatedly encored.

It was an auspicious opening of a series of entertainments which bid fair to be of high grade in every respect.

FRUIT COLLECTIONS.

The horticultural department has recently received interesting collections of fruit from three members of last year's class.

Mr. B. B. Pratt sent from Fresno, Cal., a collection of 16 varieties of California grapes. Several were rare sorts that are not seen in eastern markets, including the famous Pizzutella di Roma, popularly called Ladyfinger—a variety said to have been blessed by the Pope. The collection was shown and tested at the last meeting of the Hort. club. Mr. Pratt is now at Lodi, Cal., assisting with the extensive experiments of the U. S. department of agriculture in improved methods of handling and transporting table grapes to eastern points.

Mr. Geo. W. Lindsley sent a fine collection of apples and pears from his own and nearby orchards at Harbor Springs, Mich. Mr. Lindsley has been very successful on his farm this year and had a fine apple crop.

Mr. Walter Postiff has been located at Douglass, Mich., since July 1st assisting in spraying experiments for the bureau of entomology of the U. S. department of agriculture. He collected from orchards in the vicinity 40 varieties of apples and sent to the department. These collections will make an interesting comparison of varieties from widely separated Michigan orchards.

These fruits will be held for the second annual fruit show and used in the junior and senior classes in pomology.

'09.

C. J. Oviatt, '09, who did excellent track work here expects to enter the service at the Wyoming experiment station in a short time. He was among the rooters at the game.

# A CONSTANT STREAM OF NEW THINGS

## CHARMING, EVERY ONE OF THEM

WE started this fall with an even more extensive showing than ever before. As you glance over hundreds of styles you will quickly see that there is a decided tendency toward closer fitting garments and coat dress effects; also that the dominant feature in everything is the Moyer—Age Effect—the newest, oddest, most attractive style introduced in years. Colors were never prettier, and there are enough fashionable shades for everyone to find a becoming one. There seems to be almost a passion for all tones of Violet, from the deepest purple to the softest shades of Lavender. Raisin is good; Catawba Blue, Black and Grey.

### Beautiful New Furs

Our line of Women's and Misses' Furs were never more complete than now. All the latest and newest things in Muffs, Scarfs, Fancy Sets, Fur Coats, at a great saving in price. Prices \$5.00, \$10.00 up to \$100.00.

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### WABASH ON THE GRIDIRON.

While Monte was expressing his deep sympathy for Detroit in trying to rub the Tigers' zeros from the score board, Referee Hadden of Chicago blew the whistle that started the heavy onslaught of the Hoosiers. For the third time M. A. C. has won from this husky little bunch of splendid entertainers but the score of 28 to 0 of Saturday's game was a surprise to nearly all the 2000 spectators. Early in the day, however, the M. A. C. men had considerable confidence in their chances of piling up a heavy score for although Wabash college had sent sixteen players, their three best men were sick when they arrived at the hotel. In the afternoon the schedule of players had been changed by eight men and only two of the originally scheduled players remained throughout the game. Four M. A. C. men were replaced during the game, but this had not been made necessary through their inability.

Nearly every score was made by hard efforts and skillful playing. Sensational work in tackles, forward passes, long runs and dodging characterized the game on both sides and Wabash deserves considerable praise for fearless and speedy tackles. M. A. C.'s first score came when Capt. McKenna punted the pigskin over the goal. Lambert would have foiled the first success had he not after catching the ball behind goal been thrown back over the line by Lemmon and A. L. Campbell. Cortright later signaled the triple pass and slipped the ball to Barnett who gave it to McKenna. McKenna made a sensational run for a touchdown, dodging a flock of Hoosiers that was beautiful to look

upon. Time after time the lines bucked and even though the home team was often on the defensive the visitors failed to get very close to their goal. The end of the first half came with 7 to 0 in favor of M. A. C.

In the second half Wabash was held to the defensive with only a few short exceptions. Fine bucking and end plays were an untiring feature during the first part of the second half. Finally Exelby made a strenuous effort and shot through the opposing lines, dodging and jumping over fallen pairs, avoiding side tackles and clearing a way until an interference had been formed when he shot for eighty yards across the gridiron and dropped the ball across the goal amid the roarious cheers of some 2,000 voices.

Easy scores began to frequent the big board in front of the grandstand and when the end came Monte was lying on his back in utter disappointment over the results that he read on the board in front of the press box.

The summary of the game is as follows:

Final Score—M. A. C. 28; Wabash 0. Score, first half—M. A. C. 7; Wabash 0. Touchdowns—McKenna (2), Exelby, Woodley. Goals from touchdown—McKenna. Goals from field—McKenna, 3 out of 4. Safeties—A. L. Campbell and Lemon threw Lambert over. Referee—Hadden, Chicago. Umpire—Cross, Cornell. Field judge—Langford, Trinity. Time of halves, 35 minutes. Attendance, 2,000.

WABASH.	Position.	M. A. C.
Ryan		{ Shedd
Gisler	L. E.	{ Stone
Hopkins		{ J. F. Camp'l
Ebers	L. T.	{ Shedd
Ebers		{ A. L. Camp'l
Nicky	L. G.	{ McWilliams
Cochran	C.	Moore

Barr	R. G.	Lemon
Sheiner	R. T.	{ Cary
Cravens		{ Pattison
Elliot	R. E.	{ Hill
K. Lambert	Q. B.	Cortright
Cunningham	L. H.	{ Barnett
Gangwisch	R. H.	{ Woodley
Gisler	F. B.	{ McKea (Cap)
Bridge		{ Exelby
		{ Shedd

### NATURE FAKERS' FANCIES.

The cassowary is a bird  
That's hard to capture, very,  
Folks hunting for her plumes have made  
The cassowary wary.  
—Kansas City Times.

But once a cassowary strolled  
Too near an alligator,  
And with one wriggle, snap and gulp  
The alligator ate her.  
—Chicago Tribune.

The dromedary roamed about,  
Or toiled to fetch and carry;  
Until some Yankee fitted out  
A dromedary dairy.  
—Indianapolis News.

But dromedaries oft are shy,  
And this one loathed a spider—  
She ran away when one came by  
Because the spider eyed her.  
—Cleveland Leader.

Behemoth and some dynamite  
Got in a serious fuss;  
The detonation left the hip.  
Popotamus a muss.  
—Mammoth (Ill.) Atlas.

An anaconda told a hen  
That of her he was fonder  
Than all things else. But she soon found  
The anaconda conned her.  
—Middletown (Conn.) News.

A crab that crossed the continent  
From Maine ptomaine got rabid  
Because they cracked him on the skull  
It made the old crab crabbed.  
—Exchange.

### ALUMNI.

'09.  
S. S. Fisher is drafting at Redford, Mich.

B. H. Anibal is designing for the Olds Motor Co.

R. L. Kurtz is drafting with Weston-Mott Co. at Flint.

F. C. Taylor has been with the Hancock Mfg. Co., of Charlotte.

F. H. Valentine is draftsman with the Seager Engine Works, Lansing.

Gerald Allen, '09, is draftsman for the Ford Motor Co., of Detroit.

L. V. Belknap is deputy county surveyor with headquarters at Whittemore.

A. Sobey is drafting with W. H. Zimmerman, consulting engineer at Lansing.

B. L. Clark is working in the Cost Department of the Lansing Wheelbarrow Co.

H. H. Harrison, '09, Miss Hudson, '09, and C. W. Mason attended the Wabash game Saturday.

J. J. McDevitt is doing structural drafting with the Canadian Bridge Co., Walkerville, Ontario.

S. F. Knight is instructor in civil engineering and engineering drawing at the University of Minnesota.

L. C. Smith is an assistant engineer of the State Highway Commission with headquarters at Lansing.

O. W. Fairbanks is secretary and general manager of the Superior Pure Ice & Machine Co., Holland, Mich.

M. R. Bowerman is instructor in mechanical engineering at the State Agricultural College, Manhattan, Kansas.

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### PROGRESS OF EDUCATION

The fifty-seventh annual meeting of the Michigan State Teachers' Association at Saginaw will make its headquarters at the new Auditorium and Armory in the east side, corner Washington avenue and James street. The homes of Saginaw will be open to visiting teachers, as it will not be possible for the hotels to care for the entire aggregation. Accommodations may be reserved by addressing Supt. E. C. Warriner.

The ladies of the city will provide an exhibit of fine art. The tuberculosis exhibit which was originally prepared for the Sixth International Congress on Tuberculosis, held in Washington from Sept. 21 to Oct. 12, will also be on display. The purpose of this is to awaken a greater interest in the subject and to furnish data and the suggestion of lines of thought by which teachers may aid in presenting this important subject to the homes.

The Donald Robertson players of Chicago have been engaged by the teachers and citizens of Saginaw, and will furnish complimentary entertainment to members of the association. One general, and various section programs have been arranged. Prof. W. H. French of the department of agricultural education here, and president of the association, is anticipating an extraordinary meeting.

### THE DU PONT DE NEMOURS PRIZE.

The E. I. DuPont DeNemours Powder Co., Wilmington, of Delaware, is offering two prizes—the first \$100 and the second \$50, for the best essays prepared on the subject of the use of explosives in blasting stumps, boulders, breaking up hard pan and in tree planting. As similar offers are being made to other agricultural colleges which are interested, the competition becomes one among the students of each institution, rather than a competition

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