

The M. A. C. RECORD.

MICHIGAN AGRICULTURAL COLLEGE.

VOL. 18.

EAST LANSING, MICHIGAN, TUESDAY, FEBRUARY 25, 1913.

No. 22

WASHINGTON ALUMNI MEETING.

The Washington M. A. C. Alumni Association assembled for an old-fashioned gab-fest at Freund's Hall, Monday evening, February 20. Owing to the presence of a number of out-of-town alumni who were in the city attending the National Farm Management conference, the meeting was informal, and instead of the usual banquet, an informal buffet luncheon was served.

After the "eats" had all disappeared, President W. A. Taylor ordered a class roll call: Mr. Herman Schriber, '04, by virtue of possessing the most melodious and far-reaching voice of any present, acted as roll clerk. Thirty-six graduates, representing 22 classes extending from '67 to '09, responded to the roll call. These were W. W. Tracy, '67; S. M. Tracy, '68; Jas. H. Tibbits, '73; Donald MacPherson, '74; Jason Woodman, '81; W. A. Taylor, '88; L. H. Dewey, '88; Dr. N. S. Mayo, '88; L. A. Clinton, '89; W. J. Myers, '90; H. B. Fuller, '92; Walter Grosbeck, '92; C. B. Smith, '94; C. P. Close, '95; J. E. W. Tracy, '96; E. C. Green, '97; H. H. Skeels, '98; Mary (Baker) Waite, '98; J. H. Skinner, '01; C. P. Reed, '01; M. A. Crosby, '02; J. M. Rankin, '02; F. D. Stevens, '03; Arthur Adleman, '04; D. A. Gurney, '04; H. J. Schneider, '04; Herman Schriber, '04; O. B. Burrell, '05; Cora Feldkamp, '05; Anna (Pickett) Gurney, '05; C. A. Reed, '05; W. B. Liverance, '07; Roy Waite, '07; R. J. Carr, '08; L. L. Burrell, '08; and R. G. Hoopingarner, '09. Specials present were Mrs. Elva Hicks and Mrs. C. B. Smith. Visitors were Mrs. L. A. Clinton and three daughters, Mrs. L. H. Dewey and daughter, Mrs. W. H. Myers, Mrs. Walter Grosbeck, Mrs. C. P. Close, Mrs. E. C. Green, Mrs. W. F. Wight, Mrs. H. C. Skeels, Mrs. J. M. Rankin, Mrs. H. J. Schneider, Mrs. Arthur Adleman, and Mrs. R. J. Carr.

After roll call President Taylor called on visiting alumni for five minute talks, and responses were made by S. M. Tracy, Jason Woodman, Dr. N. S. Mayo, H. B. Fuller, C. P. Reed, and J. H. (Dad) Skinner, L. A. Clinton, and E. C. Green, recent acquisitions to the Washington collection, were given permission to make their maiden speeches. By special request, our youthful wit, Jas. H. Tibbits, '73, who is now engaged in assisting Andy Carnegie disburse a few of his millions, gave a very learned discourse on international peace. Mrs. W. F. Wight, representing W. F. Wight, told of her husband's adventures in chasing wild plums and other undomesticated fruits through the wilds of South America.

About this time some obstreperous person was rash enough to suggest that "Friday" Skeels entertain the company with his world renowned piano solo, but, as all were not ready to leave the hall, the

proposition was voted down before any damage could be done.

Officers elected for the year 1913 were as follows:

President, W. W. Tracy, '67.
First Vice-President, D. A. Gurney, '04.
Second Vice-President, Mrs. Elva Hicks.

Treasurer, M. A. Crosby, '02.
Secretary, Cora Feldkamp, '05.

After the business meeting was adjourned, most of the old boys lingered until a late hour, "reminiscing" and telling of the stunts they pulled off in those early days. Verily, they must have been a bold, bad, bunch, and if all were as bad as they claim to have been the mystery is, how did they ever graduate.

DEMONSTRATION IN BACTERIOLOGY.

Thursday, Friday and Saturday.

A demonstration in bacteriology, prepared by the laboratory of bacteriology and hygiene, will be one of the features at M. A. C. Round-up week. It is given at this time in order that those in attendance at the Round-up, as well as students and college people, may have the benefit.

The plan will be much the same as that carried out in previous years. The demonstration on Thursday afternoon, includes work in the pathological division, sanitary science and soils.

In addition there will also be exhibited specimens and results of investigation in general microbiology, bacteriology of domestic science, and dairy bacteriology. Under "General" will be found the tools of the bacteriologist, how micro-organisms grow, cultures, yeasts, etc.

In domestic science, the following phases are noticed: Preservation and deterioration of foods, heating, drying, evaporating, sterilization, pasteurization, salting, sugaring, spices, breads, vinegars, etc.

Under dairy bacteriology, specimens will be available and full explanation made as to bacteria in milk, contamination, constituents of milk, butter and cheese, starters, and the like.

In sanitation will be explained water bacteriology, sewage, communicable diseases, disinfectants, etc., and in soils due attention will be given to micro-organisms, functions of same, liming and its results.

A number of interesting specimens will also be presented along the pathologic line, and altogether forms an interesting and instructive exhibit and demonstration.

A cordial invitation is extended by the department to all college people and their friends to visit the building at this time, and every courtesy will be shown by those in charge of the various exhibits.

'07-'08.

Mr. and Mrs. O. A. Kratz, of Portland, Oregon, announce the birth of a son, Winton George, on February 7.

FRANK ROGERS FOR HIGHWAY COMMISSIONER.

The republican convention held in Lansing recently placed in nomination a most capable man for the office of state highway commissioner in the person of Frank Rogers, of Lansing.

Mr. Rogers is an old M. A. C. man, graduating in 1883. He spent many years in engineering work, after graduating, in Sanilac county, finally going to the city of Port Huron as city engineer.

In 1905, when the state highway department was organized, he became deputy commissioner. He has now served the state as deputy state highway commissioner for seven and one-half years, and the republican party is about to promote him to the office of commissioner.

In connection with this nomination, the *Detroit News* comments as follows:

"The nomination of Frank Rogers as republican candidate for state highway commissioner at Lansing was one of the most progressive acts of the convention and was characteristic of the trend of new politics. The convention evidently decided to place before the people a road man for the supervision of roads. * * *

It is an indication of progress when an old-style political convention will nominate for office men who understand the business they are about to undertake.

TAU BETA PI INITIATES.

Wednesday morning, campus people hurrying past College Hall, the post office and the women's building, to their first hour classes were greeted by a procession of Tau Beta Pi members bringing forth their winter term initiates. The successful candidates to be taken into the honorary engineering fraternity, who were chosen from the eighth of the junior engineering class having the best scholarship, are,

Fredrick H. Mueller, Grand Rapids.
S. Mills Dean, Traverse City.
Albert L. Birdsall, Muskegon.
George E. Gauthier, Detroit.

In addition to the wearing of the fraternity colors and emblems, the Bent, the public initiation consisted of the performance of two experiments relative to engineering fundamentals. The first was the determination of journal friction under different conditions, by means of a disk and axle caused to revolve by a system of weights, and supported at each end by a bearing. The second was a series of tests upon a structural steel angle, to determine the deflection and stresses under different loadings.

The initiation was concluded Thursday evening by a most successful banquet in honor of the new members, at which Professor H. K. Vedder officiated as toastmaster.

ALUMNI

'93.

Lillian Wheeler Crosby died at Rochester, N. Y., February 13, at the age of 38 years and 9 months. She had been in poor health for about six months, but did not take to her bed till the first of December. About two weeks before her death she was removed to Rochester in the hope of securing relief, but at that time was beyond medical aid.

She is survived by her husband, D. J. Crosby, '93, three children, Ruth, 8 years, Wheeler, 7 years, and Richard, 3 years, and by her mother, Mrs. C. F. Wheeler, and her sister, Mrs. G. N. Eastman.

Mr. Crosby and his children and Mrs. Wheeler will move the latter part of March to their new farm on Hemlock Lake, Springwater, N. Y.

'00-'01.

Mrs. M. L. Ireland (Irma Thompson, '00) writes from Ft. Terry, N. Y., that they are getting along very nicely in their new station, but have been very busy since changing locations. We quote as follows: "Mark has his hands full with the new duties as company commander, and I have been fully occupied with the management of the house and two irresponsible youngsters. Mark, Jr., is going to school and learning to read, spell and 'figger' very readily. Maurice, the younger, is at present court fool and principal entertainer of the household."

'03.

F. K. Brainard recently read an article at the mid-winter convention of the American Institute of Electrical Engineers in New York city. The paper which was on "Stray Losses in Synchronous Machines" has been published in pamphlet form.

'09.

The *Daily Tribune* of Maryville, Mo., under date of Feb. 14 publishes a full account of the short courses in agriculture being carried on at that place. Among the speakers was Prof. H. L. Kempster of the University of Missouri, who gave a series of lectures along poultry lines. A synopsis of his talks was given and a good half tone used in connection.

'11.

Albert Frutig was in charge of a reconnaissance party during the past summer, and is now in the office at Libby, Mont., working up his notes. He has recently received his appointment as assistant forest ranger.

'13.

W. C. Corey called on Dr. Beal at Amherst a few days ago when in search through the east for a farm. Mr. Corey has been associated during the past year with both Dr. Henry of Conn. (formerly of Wis.) and J. H. Hale, the king of peach growers. He will probably locate near Boston.

The M. A. C. RECORD

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B. A. FAUNCE, MANAGING EDITOR

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TUESDAY, FEBRUARY 25, 1913.

TRACK MEET.

The track men have been busy working out during the past few weeks and are now in shape for the first meet of the term Thursday, Feb. 27. On this date about 15 men with assistant Cortright will go to Detroit where they meet the track team of Detroit Y. M. C. A.

The events will include the 440 yd. run, 880 yd. run and mile; the high jump, pole vault, shot put, high and low hurdles and dashes. Some promising material has been developed in preliminary work and the team will no doubt bring home a good share of the points.

On March 15 the team goes to Ann Arbor where they meet the University freshmen in a series of track events and during the spring term the freshmen come to M. A. C. Western Reserve has also scheduled a meet at M. A. C. for some date during the spring.

M. A. C. WINS FROM HOPE.

Splendid team work characterized the playing of the home boys in the game with Hope on Friday night. The result exceeded the wildest expectations of the big crowd which came out to see the contest. The final score of 58 to 25 is the largest yet made, with the exception of the Winona game.

Practically the entire squad was used, and every man was in fighting trim. The work of Chamberlain and Spencer was exceptionally good, although star basket ball was played by every performer.

Lokker, for the visitors, played a star game, getting a number of baskets from difficult angles. For the home team, Chamberlain secured 8 baskets, Burt 8, Spencer 3, H. Miller 4, Vatz 2, and Gauthier 1. Spencer threw 6 out of 11 free throws.

As an opener, the East Lansing high school team lost to the team representing Battery A, although the H. S. boys had their opponents going hard during the first half. This is only the second defeat for Mr. Bishop's team, which has had a good schedule of games to play.

The home team are away this week for a series of games, the first of which is played with St. Johns at Toledo tomorrow night. On the 27th they play Buchtel at Akron; on the 28th Denison at Granville, and on Saturday wind up the series by a game with St. Mary's at Dayton. The last game is scheduled for March 8th, when the Detroit "Y" comes here for a return game.

The team has had unusually good success thus far, and has scored 335 against 156 for opponents. M. A. C. fans are expecting favorable reports from the series of this week.

STATISTICS OF ENROLLMENT IN ENGINEERING COURSES AT SEVERAL LAND GRANT COLLEGES AND UNIVERSITIES.

Institutions.	Year.									
	1903-04	1904-05	1905-06	1906-07	1907-08	1908-09	1909-10	1910-11	1911-12	1912-13
Cornell.....	1290	1445	1521	1547	1638	1731	1745	1631	1559	1419
Purdue.....	1067	1140	1234	1332	1402	1297	1207	1136	1105	1006
Illinois.....	685	768	845	970	1023	1060	1057	991	970	818
Ohio.....	712	701	766	770	834	901	857	808	744	726
Wisconsin.....	744	804	769	799	921	896	781	807	728	655
Missouri.....	405	580	626	648	736	748	659	592	398	353
Minnesota.....	396	399	412	458	473	467	392	420	377	276
Nebraska.....							435	412	384	376
Iowa State.....	503	531	570	592	704	681	602	623	587	585
M. A. C.....	353	395	393	384	485	498	500	481	453	437

ENROLLMENT IN ENGINEERING SCHOOLS.

The falling off in the enrollment of engineering students at this and other institutions during the past four years has been a matter of remark and the reasons therefor a subject for thought and possibly for anxiety on the part of those most interested.

The exact situation, in a number of institutions if revealed in the above table, which with the exception of the figures for M. A. C. was published in the "Iowa Engineer" for December, 1912.

A study of the table shows that, in general, the reduced attendance began about six years ago. M. A. C. is an exception, the falling off not beginning here until three years since.

The writer attributes the situation to two influences, principally, viz.: the increasing public interest in agriculture and the impression, engendered by the conservative attitude of money towards industrial development during the past few years, that the engineering professional field is being flooded with technical graduates.

Minor influences, such as increased effective requirements for admission and in course, and the advocacy and introduction of five and six-year courses have also been at work. If the above surmise be correct the situation is not disheartening. Furthermore, a strong connective influence has appeared in the very recent demand for technically trained men in all lines of engineering activity.

This is evidenced by the fact that the members of last year's class of M. A. C. engineers, secured, mainly without assistance from the college officers, positions at notably better initial salaries, than ever hitherto, and that the heads of departments have throughout the present college year received requests for men far in excess of their ability to make recommendations. Other engineering schools report the same experience.

This improvement in the general industrial situation is reflected in the increased enrollment of freshman engineers at M. A. C. for the current year, viz.: (15) per cent. as compared with last year's which was the lowest on record for several years.

E. M. Harvey has been granted leave to make use of the room on the south side of the building in which the book store is located for use as a photographer's shop and has already worked up quite a business in his line.

PHYLEAN BANQUET.

The Phylean Literary Society held its winter term banquet Saturday evening at Club G.

After feasting long and gaily, Toastmaster W. F. Bauer was introduced by President Westveld. Toasts both witty and inspiring were responded to by the following:

"Society and the College," I. KIRSHMAN.
"Another Year Has Passed," J. M. WENDT.
"On Your Marks," PROF. MORSE.
"Are We All Dead Yet," M. A. RUSSELL.

OHIO LETTER.

New Concord, Ohio,
Feb. 15, 1913.

Mr. B. A. Faunce,
East Lansing, Mich.

Dear Sir:—I am sending you my little \$.50 for the renewal of my subscription to the M. A. C. RECORD. Please continue sending it to the present address, as I am not at home except for short stays, and my sisters forward me my copy after they have read it.

I am now working for a Chicago contracting firm, and am apt to be sent to most any part of the country; they are heating engineers, although they sometimes take contracts in which there is a little power plant work as well, as is the case with the job we are on at present.

I say "we," because Frank Parker, another '09'er, is in charge of this job, and I was sent over, after finishing a heating plant in a school-house in Battle Creek, Mich., to help him out, and am installing the electrical end of the work.

The work here is going into a little college—Muskingum by name—which seems like a small pocket edition of a regular school, there being about 300 students (counting those who drop out on account of sore eyes or other reasons).

We expect to finish up here in about two weeks, and I am hoping that my next move will be to somewhere near Lansing, as I can always be sure of a good time when in that part of the country.

Very truly yours,
N. B. HUBBARD, '09.

An interesting demonstration in connection with farm power will be carried on this week by the department of farm mechanics. There will be shown the amount of work which may be done on the farm through the use of a 1½ H. P. gas engine.

HORT. CLUB.

W. F. Raven Speaks.—Extension Work as Related to Horticulture.

"Not a county in the southern peninsula that cannot raise excellent apples" was the startling statement made by Field Extension Worker W. F. Raven, of the department of agriculture Wednesday evening at the Hort. Club. Although Mr. Raven is working along the lines of better cattle raising among the farmers, he admitted that he was forced to open his argument many times with a spray calendar of the department of horticulture before he could induce the farmer to talk on the cattle breeding question. This goes to show the excellent co-operation work that is carried on through the state by these men employed by the departments. Isabella and Mecosta counties are ideal locations for prospective fruit growers, he said. Among the most prominent orchards visited by Mr. Raven in his travels over the state are the famous A. B. C. orchards at Kalamazoo, those around Bear Lake, those near Petoskey, and the famous pear and plum orchards of Van Buren county.

Mr. Raven had just recently returned from the national corn show at Columbia, South Carolina, and very much regretted the fact that Michigan was not represented in the fruit department by a suitable display of apples. He stated that there are certain regions in Michigan where the northern spy and Baldwin apples will grow to perfection. This fact he attributes to the climate of those particular regions, and the adaptability of the soil. At the close of his speech, President Pailthorpe called on Mr. Walter Postiff, of Detroit, class of '09, for a few remarks along the lines of practical gardening.

Mr. Postiff was for some time after graduation with the department of agriculture, bureau of entomology, but later decided to return to the old home farm.

Beautiful Canada Red apples were passed around at the close of the speech, after which a short business meeting was held and resolutions adopted to procure new posters.

MRS. GEORGE P. KRETEL.

Mrs. G. P. Kretel, wife of our college carpenter, passed away at her home in Collegeville Friday of last week. Although she had been in poor health for many years, death was unexpected, as she was taken worse very suddenly. She was born in Denmark in 1842, and came to Ingham Co. with her husband in 1875. Mr. Kretel has been a familiar figure about the campus for many years, and his many friends will be pained to hear of his loss.

The funeral services were held from the house Sunday afternoon, at which time a large number of friends gathered.

Besides her husband, she is survived by four sons, Adorf, Alex, Christian and George, Jr. The first three named are members of the graduating class of '09, and the latter was with the class of '01. All except the first named are residents of East Lansing. Adorf B. is a chemist at Berlin, Ont. All were present at the funeral services.

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ABOUT THE CAMPUS

C. B. Gorton, '09, of Chicago, made college friends a hurried call the past week.

Prof. King acted as toastmaster at the big Y. M. C. A. Banquet in Lansing Wednesday evening of last week.

The senior agricultural students finished their work in meat cutting last week. Mr. H. W. Norton, '03, of Howell, has had charge of this work.

The comedy "A Night Off," by Agustin Daily, will be presented by the M. A. C. Dramatic Club on March 14. This is sure to be a winner and no one can afford to miss it.

James E. Robertson, '09, for nearly four years instructor in mathematics, has severed his connection with M. A. C. and accepted the chair of mathematics in Highland Park College, Highland Park, Ia.

The experiment station staff finds that certain investigations in agriculture call for a very definite knowledge of physics, and the department of physics is co-operating with them in buying some special apparatus for investigating losses in plant growth, etc.

The recital given by the students of music Friday evening was a most enjoyable affair, and the parlors of the women's building were well filled with appreciative listeners. Every number was well rendered, and great credit is due both to instructors and students.

Messrs. Burkhart, Mead, Kenrick, Tubbs and Osborne were among recent visitors at the college.

Mr. Kiefer and Messrs. Gottheimer and Rosen furnish the music for this evening program at the Round-Up Institute.

The Mandolin Club is practicing regularly Monday and Thursday evenings of each week and we shall hope to hear the results of some of this practice before long.

A coin card, inclosing a fifty-cent piece, recently came to us from Detroit, but without name or address. Perhaps some of our Detroit friends will "remember that they forgot," and let us know.

Prof. Kunze spoke Friday night before the members of the East Side Improvement Club on civic improvement. Among other speakers were Rep. Neller, and Mr. A. S. Dodge, of the water works commission.

The physics department is now supplied with a motor generator set for supplying low voltage current for the electrical table. This is something which has been needed for some time, as it makes it much more convenient to perform experiments in electrical work.

About 500 men and women listened to Rep. Glasner Tuesday evening when he spoke in the assembly room of the Agricultural building on Eugenics. Mr. Glasner made a strong plea for his bill and his earnest address was well received by the large audience.

The Peace Oration Contest for state honors will be held at the State Normal, Ypsilanti, on March 21.

Among the exhibits in the agricultural building, this week, is one of the samples of work done in the wood and forge shops.

Pres. Snyder was in Holland Wednesday of last week, where he attended the ceremonies in connection with the installation with the new president—Dr. Ame Vennema.

The State Journal is publishing an interesting series of articles on "Michigan Agriculture—Its present status and wonderful possibilities," by Dean Shaw. The first of the series was published Feb. 20.

The fire whistle sounded Thursday of last week and a line of hose was hastily laid to Wells Hall. The fire, after destroying practically all the contents of Room No. 9, D was extinguished without the help of the department.

The Misses Mead and Mosely, of Detroit, Miss Carrie Lockwood, of Grand Rapids, Miss Grace Mack, of St. Johns, Miss Josephine Young, of Big Rapids, and Senator and Mrs. Woodworth were among the visitors at the Feronian party on Saturday night.

February 21 opened in such a way as to remind one of the same date 1912. The weather man changed his tactics, however, and calmed considerably before any damage was done. No classes were held, but no program was arranged as was the case last year.

Miss Pino, stenographer in the Agricultural building was on the sick list a couple of days last week.

The Adlers gave a Washington Birthday Dinner on Saturday evening of last week. A number of the faculty members were guests.

President Snyder is attending the sessions of the National Educational Association, held this week at Philadelphia. The president is a member of the National Council, there being two members from each state.

C. M. Hargrave and wife, now of Indianapolis, Ind., visited Prof. and Mrs. Linton Thursday and Friday of last week, going on to Detroit Friday afternoon. Mr. Hargrave was a former instructor in chemistry at M. A. C.

Through a misunderstanding, the films which were to be shown in connection with the forestry club last week did not put in an appearance and the lecture could not be given. It is planned to give this lecture tonight, as the films were again shipped Monday.

There has been considerable inquiry this winter concerning the one-week dairy course. It has been decided not to offer the course this winter. There are some 30 of the second year short course students in agriculture who are interested in this subject and who will remain over the 3d and 4th of March in order to get this work. The work is also given to junior and senior students in agriculture who care to take it.

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ABOUT THE CAMPUS

Dean Bissell was in Detroit, Friday, when he attended a meeting and banquet of the Cornell Alumni Association.

Harry Brown and S. L. Christensen, of Detroit, were among those who returned to M. A. C. for one of the parties Friday.

The short courses in agriculture, poultry and vegetable gardening closed today in order that those in attendance might have an opportunity to attend the sessions of the Round-Up.

Miss Florence Chapman, former instructor in physical training for women, is a visitor at the women's building for a few days. Miss Chapman is spending the winter at her home in Chicago.

Lovers of good music will be glad to know that the Band is preparing for another sacred concert on Sunday afternoon. These concerts are proving very popular and are certainly appreciated as is evidenced by the crowds which attend.

Mr. C. L. Drake, Secretary of the Industrial Commission, gave a talk before one of Prof. Ryder's classes recently, on the compensation and liability law. It is planned to have Mr. Drake out again, for there is considerable to be said on this subject.

At the open meeting of the Eumonian Society the program was rather unique, in that it was rendered backward. The critic's report was first read, and the last was the roll call. A biography of Washington began at his death and closed with his birth.

The *Detroit News-Tribune* for Sunday contained a full page on the department of entomology, and the work being accomplished along this line for the farmers of the state. The article is fully illustrated, an excellent cut of Prof. Pettit being presented.

Dr. Giltner spoke before the Farmers' Social Club at Three Oaks, Thursday of last week, on tuberculosis in cattle. The above named club is an organization of the farmers in that community with A. H. Crosby as president. Ray G. Thomas, '03, was among those who attended.

Prof. Kedzie was at Mt. Pleasant Friday night, where he addressed the members of the Pedagogical Club on "The Mission of the Teacher." Here he met Prof. F. E. West, '99, who has been secured by the Mt. Pleasant Board to take charge of their agricultural chemistry in the 1913 summer school.

Mr. Martin G. Feuerhak, a graduate of the State Normal at Platteville, Wis., has been elected instructor in mathematics to fill the vacancy caused by the resignation of Mr. Robertson. In addition to the work at Platteville, he has also studied ten years in the University of Wisconsin, specializing in mathematics and physics.

Rev. R. M. Hardy, of the Pilgrim Congregational church, will speak in chapel Sunday morning at 9 o'clock. Rev. Hardy but recently came to Lansing, and this will be his first address before the students.

Attention is again called to the Chicago Alumni meeting and banquet on Saturday, March 1. The banquet is to be held at the City Club, 315 S. Plymouth Court and a general invitation is extended to all M. A. C. people who can possibly arrange to do so, to be present. The president is Frank Bauerle '92, 726 S. Desplaines St.

Miss Snelgrove, of the Drawing Dept., has just completed a design for the big "Michigan" tablet to be placed on one of the big trees of California. The trees of one of the famous parks are to be labeled for the various states, and this tablet will be for the Michigan Tree. The design, which is 3 x 5 feet in size, when fully worked out will be cast in the foundry.

Prof. Baker has been elected to active membership in the Society of the American Foresters. This society is an honorary one, made up of technical foresters and stands to the forestry profession as does the Society of American Engineers to the engineering profession. The membership is largely forest service heads, state foresters, and heads of departments in the different forestry schools.

The physics department has for examination an alternating current galvanometer for Wheatstones Bridge use. This makes possible the use of alternating current instead of direct current in a Wheatstones Bridge set up, and makes it possible to get as complete a balance, where it is necessary to use alternating current as can be obtained with direct current and the ordinary D. C. galvanometer.

Due credit should be given Mr. Benjamin Porter, '11, for his excellent work as superintendent of the big poultry show recently held in the agricultural building. Mr. Porter came to M. A. C. at some sacrifice of time in order to help make the show a success and his efforts were certainly appreciated. Although cashier in a bank at Grand Rapids, Mr. Porter owns an excellent flock of Rhode Island Reds and is especially interested in the breeding of poultry.

On Thursday night of this week the Detroit association meet for a reunion and banquet is to be given in the Elliot, Taylor, Wolfenden restaurant Feb. 27. As mentioned in a previous number of the RECORD, it is hoped to revive the spirit of the Detroit association and all alumni who live in or near Detroit, as well as present students who may find it possible to attend, are cordially invited to join in making this meeting a success. Write Harry Brown, 215, 24th St., or Geo. Sheffield, Detroit News, of your intentions.

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