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THE CHEMISTRY DEPARTMENT.

The history of the Department of Chemistry at M. A. C. is very closely interwoven with the growth of the college from the very beginning. In spite of the fact that more than fifty

he served very ably for many years. His death occurred in February, 1901.
Professor Fiske was followed by Dr. R. C. Kedzie, father of F. S. Kedzie, now head of the department, who occupied the position for nearly 40 years, from 1863 until his death in 1902. The remarkable influence which Dr. Kedzie exerted upon the affairs of M. A.

Students of the three classes preceding and including the entering class in 1908 will regret to know of the death of Major F. W. Fuger, which occurred at his residence at Grosse Pointe Farms near Detroit, Friday, November 26th.

After leaving M. A. C., Major Fuger joined his regiment, the Thirteenth United States Infantry, then stationed at Manila, P. I., and it was while there the disease developed which resulted in his retirement from the service and finally in his death.

As an officer in the army, he rendered distinguished service at the battle of San Juan Hill in Cuba and later was in charge of some of the northern provinces in the Island of Luzon during the Agusan rebellion.

He was retired two years ago with the rank of major and since then had enjoyed fairly good health until within a week of his death.

He was buried in Mt. Elliott cemetery in Detroit, Monday, November 29th, with full military honors. Prof. Thomas Gunson attended the funeral as representative of the college.

As commandant of the college cadets he was an exceptionally capable and popular officer, being presented with a gold sword, the gift of the regiment, as a token of respect and esteem.

A large number of the alumni and former students, who knew Major Fuger will join with the many friends and residents of the campus and in the city in extending to Mrs. Fuger and her four little children their deep sympathy for her and them in their sad bereavement.

Mr. R. S. Kellogg, of Chicago, secretary of the National Lumber Manufacturers' Association, talked to the senior foresters and lumber dealers of Lansing last Wednesday afternoon on "The Marketing of Lumber." Mr. Kellogg proved a very interesting speaker and his ability as shown at the afternoon lecture evidently had wide publicity for the attendance at the Forestry Club meeting in the evening broke all records of the club. His evening lecture was on "Forests of Alaska" and was very entertaining as well as instructive to the 70 would-be foresters present.

STAFF OF CHEMISTRY DEPARTMENT.

THE M. A. C. RECORD

Published Every Tuesday During the College Year by the Michigan Agricultural College.

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C. S. LANGDON, '11, Managing Editor.

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TUESDAY, DECEMBER 7, 1915.

ALUMNI EMPLOYMENT AGENCY.

It has been one of our hobbies that the alumni office should act as a clearing house for members of the M. A. C. Association who are looking for positions in the city. Those who are looking for men to fill positions. This aim can never be attained until these two classes of individuals recognize it as a desirable function of this office.

We are glad to say that during this fall term we have had opportunity to do this kind of service to some extent. There have been several calls for men and just at the present time we could place several engineers, as well as seen in another column. In general the tendency has been this year that more men were needed than there were men available. This may be only because we are in touch with the unemployed situation, but we believe that it is because M. A. C. men in general are not out of work, and that the industrial and educational progress is great.

ONLY FOR CLASS '13.

The letter from one of the “live wires” of the class of 1913, printed elsewhere in this issue, speaks abundantly for itself. We wish there were more such letters from similar live men in other classes. The writer of this particular letter is to be especially commended because he does not attribute the lack of news of his class to the editor—who expects little bouquets of this nature.

While we are on this subject of the class of 1915 it might be interesting to members of this class to know that out of the 161 graduates, 75 or 46 per cent, are taking the course. A hasty glance over the records of this term show that about 69 of the class have been heard from so far this year.

* * *

Mr. E. B. MacGregor, see Carolyn Gilchrist, special ’06, and daughter Gertrude now live at Dowlerville, Mich., since the death of her husband, Dr. MacGregor, of Cheboygan.

THE M. A. C. RECORD.

STATE STUDENT Y. M. CONVENTION.

The first State Student Y. M. C. A. convention was held at M. A. C. last Friday, Saturday and Sunday. This convention grew out of the Geneva Conference which are held every summer, and was called to consider the problems of college Y. M. C. A. men throughout the state. All of the state educational institutions were represented by M. A. C. men of the largest number—33—in attendance. The list of speakers shows talent of such merit that no doubt can be entertained but that the Y. M. C. A. boys are in earnest. Fletcher S. Brockman, associate general secretary of International committee of Y. M. C. A. of North America, gave several stirring talks; “Dad” Elliot, international held secretary of central college on hand his old time power; J. W. Portalis, secretary of Ohio State, was on the program, and convincing talks were also given by J. H. Dague of Detroit Y. M. C. A. Price of Lansing; Prof. W. H. French of M. A. C., and W. H. Tinker of U. of M. “Y.” Sunday morning the chapel exercises took place in the Armoury with Mr. James Schermsher of the Detroit Times as speaker. As a result of the series of meetings there can be no doubt that a great deal of good will be accomplished.

DETROIT ALUMNI BANQUET VARSITY.

The Chamber of Commerce, Detroit, was the scene last Saturday night of a very successful buffet luncheon when the Detroit Alumni entertained the M. A. C. coaches and about 20 members of the varsity squad. Wm. Carl Chapman acted as master of ceremonies at the occasion and speeches were made by H. A. Haigh, coach Macklin, Dr. C. B. Lundy, “Dutch” Miller, and football men Smith, Vandervoort, Frimoid, Henning, Blacklock, and Patterson. Charles R. Haigh sang the new song. Pictures of the M. A. C.-Michigan game were shown, the elevens of the Detroit Central High and Everett High of Boston being invited in to view these. About 100 M. A. C. people were present.

Coach E. C. Buss, ex ’09, of the Detroit Central High eleven, has surely past a successful season, as his team has won 11 games and tied a scoreless game with Everett High of Boston, Saturday. This game was supposed to settle the high school championship of the U. S. and it did so far as Detroiters are concerned.

The Girls’ Glee Club will furnish the music for the Michigan State Agricultural Farmers’ Clubs which occurs this week Tuesday at 7:30 p. m. in the Agricultural Building.

ONE WEEK SCHOOL’S FEATURE COLLEGE EXTENSION.

Director of Extension R. J. Baldwin has been devoting much time this fall to the organization of the one-week school project throughout the state. The calls have been so numerous and demands so extensive that the task has not been an easy one. It has been announced that in addition to the usual subjects which have been offered in the past such as “Feeding Farm Animals,” “Dairying,” “Crops,” “Alfalfa,” “Soils,” etc., many new schools have been introduced. These are lectures on such subjects as “Farm Heating and Lighting,” “Needs and Possibilities of Country Homes,” “Farm Sewage Disposal.” "House Management," “Home Canning,” “Care of Sick,” “Balanced Rations for the Home,” etc.

The following persons are included in the lists of lectures in these one-week schools: M. A. L. Justin, Paulina Raven, Clara Morris, Mary E. Edmonds, C. A. Tyler, J. A. Waldron, L. R. Maystead, A. L. McCartney, O. E. Robey, Don B. Whelan, Ashley M. Berdige.

The list of one-week schools that have been announced for this winter are: Home economics schools—November 29-December 3, Portland; December 13-17, Battle Creek; December 27-31, Caledonia; January 3-7, Berlin; January 10-14, Middleville; January 17-21, Ray Center; January 17-21, Davis; January 24-28, Hopkins; February 7-11, Scotts; February 14-18, Athens.

Agricultural schools—December 6-10, Texas township, Kalamazoo county; December 13-17, Battle Creek and Coldwater; December 20-25, Beulah and Shelby; December 27-31, Caledonia; January 3-7, Berlin, Albion and Hemlock; January 10-14, Coopersville, Fennville, New Bremen, Middleville and Quarry 17-21, Durand, Monroe and Ray Center; January 24-28, Edwardsburg, Hopkins and Allegan; January 31-February 4, Marshall, Ellington (Tuscola county) and Bronson; February 7-11, Scotts; February 14-18, Athens, Dowagiac and Alganssee; February 21-25, Springport.

During March home economics schools will be conducted in the upper peninsula in Ontonagon county, Schoolcraft county, Delta county and Marquette county.

According to the present plans, fourteen forestry students will start out with Prof. Crittenden and W. I. Gibson the day after Christmas for Davis, W. Va., where they will study the plant of the Philo Lumber Boom Co. This company has holdings of 20,000 acres and their modern logging operations, part of which will include logging by the overhead cable system, will be very instructive. The party plans also to visit pulp mills, tannin industries and other points of interest in that locality.
In those dark days when so many were eager to hang crepe on the door, never can be estimated. * * * His eminent service as a scientist, his exposure of shams and humbugs, the powerful influence he exerted on the young men of his time, these are noteworthy achievements, but above and beyond this was his notable service rendered to the entire nation, in making possible the success of 'Land Grant Colleges.'

The Michigan Agricultural College spends its doors on May 10, 1857. It so happened that Frank Stewart Kedzie, born in Vermilion on May 12, 1857, was two days late—and late was a condition ever since as evidenced by the Doctor (it is rumored that his students have been infected at times with equal virulence, with this absenteism). After his graduation from M. A. C. in 1877 Mr. Kedzie worked a year and a half as clerk under Dr. H. H. Baker in the State Board of Health. He then studied medicine under a practicing physician, in 1880 he was assistant in chemistry at M. A. C. and has been connected with this department continuously since that time, except two periods of six months each which were spent in study in the University of Berlin. Mr. Kedzie received the degree of M. S. in 1882, and the degree of Dr. Sc. was conferred upon him in 1912. He has been head of the Chemistry Department in 1912, and his latest duty is Acting President, which position he bears with becoming dignity and effectiveness.

Associated with Dr. Kedzie in the department are twelve instructors, the following four of which came this last year: C. D. Ball, Jr., B. S., from Penn. State; K. D. Hancher, B. S. and M. S., from Ohio State; T. E. Friedemann, B. S., from M. A. C. and M. S., Underwood, M. A. C. '15; W. P. Wood, a new man in the department last year, has his A. M. and B. Ch. E. from the University of Michigan and expects to take his M. S. there in 1916. D. C. Carpenter, B. S., from M. A. C. '11, came to the department in the fall of '14. After graduation he taught physical and chemistry in various high schools and has taken graduate work at U. of M. D. T. Ewing, on his third year with the department, comes from Parson's College, Iowa. Ewing has done a western graduate work at the University of Chicago. H. L. Publow, B. S. at M. A. C. '14, began work in the fall of that year. Mabel Mosher, a graduate of M. A. C. in '08, has charge of the chemistry apparatus. I never was expert in the subject. I taught 50 girls an hour a day, five days in the week for five years, beginning in 1863. We used a piano, drum and a variety of light apparatus. I never was expert in the invention and use of noisy choir, nor did the class make long journeys to contest with other schools, having spent much time in special training.

The above is written to partially prepare the reader of my history of M. A. C. for some plain words on collegiate athletics of these times.

Cordially,

W. J. BEAL.

Dr. Kedzie Pleased that Y. M. C. A. Students Selected Lansing.

To the Editor M. A. C. Record:

May I through the columns of the Record express my appreciation of the splendid cooperation of the men in and out of college in the matter of securing the Boys' Y. M. C. A. Conference for Lansing next year.

It is a notable fact that the Lansing vote was larger than the combined vote of the other two cities in the race (Bay City and Battle Creek). That the loyal friends of M. A. C. throughout the state used their influence for Lansing is plainly apparent. Great credit is due the students now in college as well as our alumni for the very active interest taken in this matter.

Each letter sent out from M. A. C. carried with it influence for the institution which will only be begun with the coming conference in 1916.

FRANK S. KEDZIE,
Acting President.

Plans are already under way to make a day at the college a special feature of instruction when the State Y. M. C. A. boys assemble in Lansing next November for their 1916 convention.

There were exactly 28 men who tried out for the debating squad last Monday and Tuesday nights. Of these, seven men were picked each night and these 14 will hold a final elimination on account of the call being filled from other organizations. One of the recent changes in the work given in the department will be the addition of all the short course men. At one time in its history this department gave a short course in sugar chemistry. This has been discontinued for several years on account of the evil being flled from other sources. One of the recent changes in the work given in the department will be the addition of all the short course men. At one time in its history this department gave a short course in sugar chemistry. This has been discontinued for several years on account of the evil being flled from other sources.

Several of the experimenters have been moved to the departments of physics and chemistry in various high schools.

Letter from Dr. Neal.


M. A. C. Record:

I believe in athletics for every student, especially when carried on with regularity and not to excess. An old person should exercise as well as a young one, as can often be seen when he retires from active business and begins to take a rest.

In my own case, I run a lawn mower, hoe shrubbery, dig dandelions and plantains, saw wood, shovel snow, fix traps for hens, and when these duties and sundry chores are short, I spend an hour and a half or more a day walking, running, using dumb bells, pulleys, Indian clubs, and other kinds of exercises.
Dr. J. S. McDaniel of the veterinary division, gave a general discourse on veterinary science at the meeting of the Farmers' Club last week.

The Feronian fall term party, held Friday night at the Ag Building, took the form of a clever masqued ball. Dr. and Mrs. Hedrick and Mr. and Mrs. Henselmann acted as patron and Roscoe's orchestra played the program.

From information recently received it is quite probable that the joint vacation party of the Grand Rapids M. A. C. Club and the G. R. M. A. C. Association will be held at the Sigsbee School Gymnasium, the date to be announced later.

W. A. Blonck, prominent engineer of Chicago, gives an address in the Armory this Tuesday evening on "Boiler Efficiency Methods in Europe and the United States, with Reference to Power Plants." This is the last Liberal Arts lecture of the fall term.

The announcement has been made that after January 1st there will be a mighty attempt made to interest every male student in organized athletics, not only thru interest in varsity teams but thru active participation. In the language of the street "this is some contract." We shall have more to say of this later.

The members of the Hort. Club were favor last week with a talk by Paul Armstrong, '15, on his experiences the past summer. Armstrong has been connected with a small pickle firm at Eaton Rapids and his knowledge of the pickle and sauerkraut business formed the basis for a very interesting and instructive talk.

The barns back of the houses on Faculty Row are being rapidly torn down to give the college campus a more pleasing appearance from the entrance. Faculty members will be allowed garages but old barns are taboo. It is said that only an armed guard prevented another barn conflagration after the Michigan game this year.

R. J. Baldwin, director of extension, returned last Saturday from a week's trip in New York and Canada. He visited at Cornell University, Rochester, and Wellesley, Ontario. Baldwin reports that the majority of county agents and extension men in Canada have enlisted for the war and the agricultural extension work is being demoralized.

A crowd of over 600 waxed enthusiastic over the M. A. C. band last week when it appeared in a concert at the High School Auditorium in Charlotte. The concert was scheduled under the auspices of the sophomore class and they were highly gratified at the returns. This is an inexpensive form of good advertising for M. A. C. and there ought to be more opportunities of a similar nature.

Dr. Bessey and Dr. Coons of the Botany Department, took part in the program at the bi-annual meeting of the State and National Potato Growers' Associations held in Grand Rapids last week. Dean Shaw, Prof. Mumford and C. W. Wald were in attendance from the college. Nearly all the county agents were present and also three members of the State Board of Agriculture, Graham, Waterbury and Woodman.

County Farmers' Institutes are to be held in the following places during the remainder of this month: Roscommon county, Roscommon, Dec. 8-9; Montmorency county, Atlanta, Dec. 9-10; Crawford county, Grayling, Dec. 10-11; Cheboygan county, Wolverine, Dec. 12-14; Emmet county, Petoskey, Dec. 13-14; Wexford county, Manton, Dec. 14-15; Osage county, Elmira, Dec. 15; Lake county, Bristol, Dec. 16-17; Missaukee county, McBain, Dec. 17-18.

In addition to the college representatives present, President Kenyon L. Butterfield, '91, of Amherst, presided at two of the meetings and R. G. Hoppinger, '99; Samson Liph, '14; S. C. Vandenberg, '15; A. J. Buell, '15; H. E. Young, '92, and E. D. Sanderson, '97, were present. President Howard Edwards of Rhode Island, Prof. J. A. Jeffery of Duluth, and Prof. Hestor McPherson of Oregon A. C., all of whom were formerly connected with M. A. C. were also in attendance.

Dean R. P. Lyman and Dr. E. T. Hallman of the Veterinary Division, and Dr. Ward Glinner of the Bacteriology Department, attended the meetings of the U. S. Live Stock Sanitary Commission in Chicago on Dec. 1 and 2. In addition, Dean Lyman attended several important committee meetings one of which, the executive committee of the American Veterinary Medical Association, decided that the next meeting of this important body would be held in Detroit next August.

An interesting sample of the applied work which the home economics students are receiving in organic chemistry was the work on breakfast foods, given the past week. The fifteen "best sellers" had been purchased in the usual manner at groceries, net contents, per cent. of moisture, fat, crude fibre, protein, and ash were all determined and then the number of calories of heat which were then calculated. It is an interesting fact that the amount of nourishment coming out of the comparison nearly 50 per cent, better than one of the nearest competitors and about six times better than one of the puffed cereals. None of the less interesting feature of this work, as it throws light on the ordinary work incident to teaching chemistry, is the fact that it took one instructor the largest part of two months to prepare the data, for this experiment which was covered in two lectures.

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EDUCATIONAL NEWS AND COMMENT.

Miss Bertha Thompson of the Botany Department, is confined to the hospital and it is feared will not be able to be around before the close of the term.

Dr. W. O. Hedrick, Dean R. S. Shaw, Prof. Eben Mumford, and J. N. McBride, from the college, attended the National Conference on Marketing and Farm Credits held in Chicago, Nov. 29, 30 and Dec. 1 and 2. At this very important conference 46 states and provinces were represented by 460 members, and in the four days 50 papers were read and discuss. The deliberations and papers are to be printed in book form and will make a most valuable record of the advances that have been made.

With board at M. A. C. ranging, in the boarding clubs, from $2.13 to $2.70, it can readily be seen that the high cost of living in college is not due to the cost of food. With the present high prices it seems really remarkable that the board could be kept down so low. Of course, there is some fault-finding among the students, but so it is there with all people who board. The reason for this low cost is, of course, the co-operative buying and the serving of the food at cost.

It has just come to our notice that Prof. C. D. Smith, formerly director of the Experiment Station and Dean of Short Courses at M. A. C., and for five years president of the Agricultural College at San Paule, Brazil, has had to refuse to consider the appointment as commercial attaché at the United States embassy at Rio Janeiro. Prof. Smith's knowledge of the commercial needs of the South American people especially fit him for such a position and we are sorry that his health is such that he was unable to accept.

This week Monday and Tuesday the County Agricultural Agents of Michigan held their annual conference at the college. The important problems of county agent work are to be discussed, projects for 1916 proposed and in addition there are addresses by Dr. Kedzie, Dean Shaw, W. A. Lloyd, agriculturist in charge northwestern states, E. C. Lindemann, Eben Mumford, J. N. McBride, Dr. McCool, Prof. V. N. Shoemith, Prof. A. C. Anderson, C. W. Waid, A. J. Patten, C. P. Reed, L. R. Taft, R. J. Baldwin, and L. R. Waterbury.

The Omicron Nu Society, the honorary organization for home economic students at M. A. C., had a unique supper Friday night in celebration of Home Economics Day in memory of Mrs. Ellen Richards, one of America's most famous workers in home economics. Each table vied with the others to see who could feature the most original "stunt." The program was very ably presided over by Florence Stoll, '16, president of the society, and the following topics were responded to: "Home Economics—the Past," by Dorothy Lillie, '17; "The Present," by Kate McDonald; "The Future," by Miss Mary Edmonds.

The Holiday Season is close at hand.

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Lansing, Michigan
ers to start something or are you waiting for a national reputation which will save you the trouble of writing about yourself? Both spirits are commendable but it leaves the rest of us wondering where you are.

I hear of some of the boys once in a while. I will make a report and if some of the rest will do the same we can gather a little news and the spirit of '13 won't die yet.

"Cowboy" Campbell is working on tunnel machines in Toronto, Canada. He was here in Chicago last summer and if I am any judge he knows more about the tunnel business than any other living man.

"Pa" Riblet is in Ekhart, Ind. He is new business manager for the Indiana-Michigan Electric Co. "Rib" did more business for his firm last summer than they thought possible, so they now look up to him. He has another baby boy as he is now "papa."

I met a man from Minnesota this summer who knew Frank Cowing. He told me that Frank was teaching agriculture and buying a farm. He added that Cowing is a fixture up in that country.

J. D. Fletcher is teaching in the West Aurora high school, which is not very far from here. I have not seen him, but from all I hear he has a good job if he wants it.

I ran across J. A. McDonald over in Grand Rapids, Mich., this summer. He was chief engineer on construction work for a local firm at that time. He was looking well and had the same old grin.

You all know what I am doing for I put it in the RECORD. I expect to take the bar examination one year from this spring. I will open an office but I do not know where. I have a wife and a baby seven months old. She is a teacher and looks like her father.

Very truly yours,

EARL C. DOUGLAS.

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There will be a weekly M. A. C. luncheon at the Hotel Griswold every Tuesday from 12 to 1 o'clock.

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Every Saturday noon the M. A. C. Association of Chicago has luncheon at the New Morrison Hotel, Clark and Madison Sts. Any M. A. C. men who happen to be in Chicago at this time will find some friends here and a hearty welcome.

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