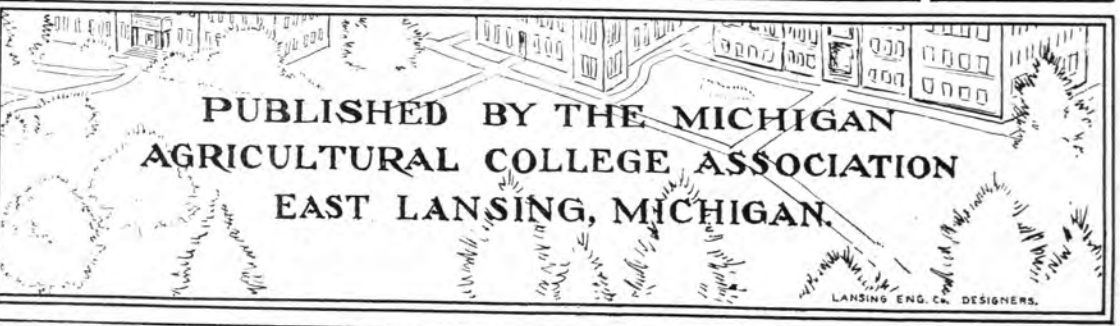




The M.A.C. RECORD



L. C. Plant, Professor of Mathematics



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

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THE M. A. C. RECORD

VOL. XXI.

EAST LANSING, MICHIGAN, TUESDAY, OCTOBER 12, 1915.

NO. 4

THE MATHEMATICS DEPARTMENT.

It is interesting to note that the first report ever made by a president of the Michigan Agricultural College, that made by President Joseph R. Williams, at the close of the first year's work, April 1, 1858, mentions the faculty in employment during the next year as consisting of the President; Calvin Tracy, professor of mathematics; L. R. Fisk, professor of chemistry, and T. C. Abbot, professor of English literature. Thus mathematics had a place of first rank in the curriculum of M. A. C. at its inception. Since that time the following have acted in the capacity of professor of mathematics: R. C. Carpenter, a graduate of M. A. C. in 1874, held the office from 1878 to 1890. Mr. Carpenter is now professor of experimental engineering at Cornell University. Major W. L. Simpson, professor of military tactics at M. A. C. '87-'90, acted as professor of mathematics '90-'91. H. K. Vedder held the office from 1891 to 1909. Warren Babcock, a graduate of M. A. C. in 1890, held the office from 1909 until his death in 1913. His place was taken by Prof. L. C. Plant, the present head of the department.

Louis Clark Plant did his undergraduate work at the University of Michigan, received his M. S. at the University of Chicago in 1904, and his Ph. B. at U. of M. in 1907. He served as an instructor in the Bradley Polytechnic Institute of Peoria, Ill., from 1898 to 1907, when he was elected to be assistant professor of mathematics at the University of Montana. One year was spent as assistant professor at that place and five years as head of the department, up until the time he came to M. A. C. Besides his administration and teaching work, Prof. Plant is chairman of the scholarship committee and also chairman of the Athletic Board of Control.

At the present time Prof. Plant has eight assistants in his department. M. F. Johnson, '07e (C. E. '13), was instructor from '09 to '13 and has been assistant professor since 1913. L. C. Emmons, a graduate of Central Normal College of Indiana in 1906 and of Indiana University in 1909, has been instructor since 1909 and assistant professor since 1913. Mr. Emmons

has also been in charge of college dormitories since 1911.

S. E. Crowe, A. B. (Ohio State '09), has done graduate work during summers at the University of Wisconsin and Chicago University, and has been instructor at M. A. C. since 1909. R. H. Reece did his undergraduate work at the Kansas State Agricultural College, finishing in 1906, and has spent three summers at U. of M. and one at U. of W. He has also been connected with M. A. C. since 1909. G. G. Specker both A. B. and A. M. from Indiana University, has had seven years' experience teaching in Indiana schools, has spent one summer at Chicago, and has taught at M. A. C. since 1912. W. M. Wible, also from Indiana University, taught one year at Vincennes University, one year at University of Missouri, and has been at M. A. C. since 1912. E. C. Kiefer graduated from M. A. C. in 1913 and has taught mathematics since his graduation, spending meanwhile two summers at U. of M. In addition Kiefer is assistant band director. W. A. Reinert is a University of Wisconsin man, has put in three summers at the University of Chicago, was instructor in Ohio Wesleyan, '11-'12, and has been at M. A. C. since 1914.

The department of mathematics is an advocate of close personal relation between student and teacher. To this end each instructor's program of work is arranged so that his students may consult him at his office each day if they so wish. Realizing that the student's interest in mathematics is a great factor for success in the subject, the department is endeavoring to correlate its courses with the particular line of work in which the student expects to specialize. To this end a course in agricultural mathematics has been developed. The courses for engineering students are supplemented with problems which have direct bearing upon the work in engineering. "Mathematics made not easier but more attractive and intelligible" characterizes the spirit of the department.

(This is the first of a series of articles in which it is aimed to cover the entire work of the College from the departmental standpoint. It is believed that alumni and former students can be kept informed and more easily appreciate the work of the College in no better way.—Ed.)

SECURE SEATS FOR MICHIGAN GAME.

Assistant Coach Gauthier saw Michigan wallop Mt. Union last Saturday and after the game he telegraphed to East Lansing that M. A. C. could hold her own on the 23d. Gauthier's attendance at the game was purely an incidental affair however, the main reason for the trip being the completion of plans for the reception of the Aggies, team, band, alumni and students on October 23d.

According to the arrangements made the M. A. C. alumni have reserved for them in the middle section of the new bleachers 1,100 seats at \$1 per. These tickets are to be on sale at *East Lansing* and will be mailed out Friday, October 15th, upon the receipt of an order accompanied by the cash. Your letter directed to Alumni Secretary C. S. Langdon, *with proper inclosure*, will receive prompt attention. Get your orders in early as we cannot hold these tickets until the last minute. Hurry.

CHORUS AND GLEE CLUB ORGANIZE.

Fred Killeen, who will have charge of both Chorus and Men's Glee and Mandolin Club this year, reports that these organizations are already in motion. The Chorus has elected the following officers: L. E. Buell, treasurer, and Dorothy Thomason, vice president. The Rose Maiden by Cowen will be presented in midwinter and The Seasons by Haydn will be sung at the May Festival.

The first call for the Glee Club last Thursday brot out about 50 aspirants. This number is expected to be greatly augmented at the meeting this week. Mr. Killeen expects to get the Glee Club work started earlier this year and will do more singing on the campus. This latter will meet with hearty approval of the college people. He will carry a larger number than usual up to the time of the spring trip, which is being arranged for as usual. In addition to his Chorus and Glee Club work, Mr. Killeen gives vocal lessons Tuesdays and Thursdays in the top of the Agricultural Building.

THE M. A. C. RECORD

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

Entered as second-class mail matter at the Post Office in Lansing, Mich.

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

SUBSCRIPTION PRICE, \$1.00 PER YEAR.

Subscriptions may be paid for by P. O. Money Order, Draft, or Registered Letter.

Business Office with Lawrence & Van Buren Printing Co., 210-212 Grand Ave. No., Lansing, Mich.

Address all subscriptions and advertising matter to the M. A. C. Record, East Lansing, Mich. Address all contributions to the Managing Editor, East Lansing, Mich.

TUESDAY, OCTOBER 12, 1915.

A MASS MEETING AT ANN ARBOR.

Shall we have a mass meeting at Ann Arbor before the game Oct 23d? The M. A. C. people ought to get together before the big event and show the people of the university town that we are organized in spirit, and are pushing one of the best schools in the country. There will be a special train from M. A. C. that will carry fully three-fourths of the student body. The alumni and former students will turn out at least to the number of one thousand. A big mass meeting of 2,000 students and alumni and a long line of march down to Ferry Field behind the M. A. C. band would be a most impressive ceremony.

In order to make a success of a meeting of this kind we need the enthusiastic co-operation of the M. A. C. people of Detroit, as these will constitute the largest number from any one place. It may be possible to arrange for a place where the alumni can dine together at noon. What do you say, Detroit M. A. C. Association?

* * *

ADDITIONAL SCHOLARSHIPS.

If the plans of the Shiawassee County Grange materialize there will be provided for a large number of deserving farmer youths a means for starting a college education at M. A. C. The farmers of Shiawassee county are reported to have a fund started now for a boy from that county and their plans are to have this work taken up by other Granges thruout the state. The general scholarship plan is under the direction of former Senator A. B. Cook, '93, prominent farmer of Owosso.

The list of scholarships in the college catalog is woefully lacking in numbers and any move along this line is a good one. At present the Heinz industrial fellowship is the only one of this character. M. A. C. ought to have many others, for they not only aid the individual students, but show to the outside world that we are taking our place in the industrial relations of the state. Have you any ideas? A little help, please.

THE MICHIGAN UNION.

A great many M. A. C. people are watching with intense interest the campaign which the Michigan Union has instituted for a million dollar building to house the Union. Some of them are doing more than watch as they are going down in their pockets to help the good cause along. This great democratic organization at the University has appealed not only to members of the Union, but it has received the commendation of the Faculty and Board of Regents. We sincerely hope that the campaign which is on this month will be eminently successful. We want the alumni and students of M. A. C. to learn more about this Union so that when the time comes for the M. A. C. Union the blow may be struck with equal force.

* * *

FORESTRY DEPARTMENT PROMOTES WILLOW INDUSTRY.

The growth of willows for furniture in Michigan is one of the projects which the Forestry Department has under consideration for next year. In fact the start has already been made, as an acre of land at Ionia and another acre near Grand Rapids has been leased and are being cultivated this fall preparatory to setting out the willow cuttings next spring.

Until recently the willow manufacturers of the United States have depended largely upon Germany for their willow supply. Now that this is cut off the Forestry Department sees an opportunity to promote this industry in Michigan, where there are large areas of low, swampy land believed to be very well adapted to this work. The work will be started on a small scale the first year and then be considerably enlarged as it gets beyond the experimental stage.

The peeling of the willows is the big drawback on the start, as there are few factories in Michigan which do their own peeling, but it is believed that this number will be added to as the industry develops. The willows are first cut two years after the cuttings are set out, and every year after that. The cuttings are set about five inches apart in rows two and one-half feet apart. Between one and two tons of willows to the acre is a fair crop. The Lemely willow and the purple willow are the ones used, the common willow being poorly adapted for furniture making. This new venture, which will be under the direct supervision of Comfort A. Tyler, forestry extension specialist, will be closely watched, as it seems to hold large possibilities. Incidentally, it might be mentioned that at present the college does not boast of a very large "willow holt"—this being the term by which the area willow cuttings are obtained from is designated, but plans are under way for a large extension of this.

CORRESPONDENCE.

Editor of the M. A. C. RECORD:

I am interested in what you say about Prof. Kedzie, and the fact that he is still doing some lecturing.

Many of us can go further back than these lectures and remember Prof. Kedzie's father in chemistry lecture. I was so impressed with the necessity of coming to time when Dr. Kedzie called us up, that the thing formed itself into a habit. Fifteen years after I graduated, I went back to visit the college and called on Dr. Kedzie. We were talking easily on various subjects, when he suddenly turned abruptly, as he frequently did in the old college days, and asked me some simple question. The thing came back to me with a rush, and I actually got out of my chair and stood up to answer his question. I well remember that, and have gone through life chuckling over it as the strongest tribute I could offer to the rare and strong personality of the man.

I often think of those good old early days at the college. We old fellows got a great deal less out of it than the younger men are getting now. I suppose there are plenty of high schools in the country that give a stronger course today than the college did when I graduated. It was not so much what they taught us, as the example which those big men of the early days set before us. They were mighty teachers, because the boys believed them to be such, and their personality on the campus was worth more to us than what they gave us in the class room. I often wonder if there are any teachers on the campus today who stand as high in the estimation of their students as Abbot, Kedzie, Beal, Fairchild and the others did in those good old days.

Yours truly,

H. W. COLLINGWOOD.

H. W. Collingwood graduated from M. A. C. in 1883. During his college course he was viewed by his classmates and instructors as possessing much literary ability. Following his graduation, he accepted the editorship of the Mississippi Live Stock Journal, published at Starkville, Miss. From here he went to New York City as "general roustabout" on the staff of the Rural New-Yorker. Some years later he bought an interest in this farm journal and now is its editor, and, with J. J. Dillon, its owner. Mr. Collingwood is an ardent prohibitionist, and at one time ran for governor on this ticket.

Ralph Hudson, '07, manager of the college farm, is planning on another horse sale and colt show this winter at the college. He has already a promise of over 50 horses, and letters which come in nearly every day, prove that much interest is being taken in this event which is scheduled for the latter part of January.

LIBERAL ARTS COURSE ANNOUNCED.

The Liberal Arts Council, of which Profs. French, Johnston and Halligan are members, has announced the following course of lectures for this school year. It is possible that the program as given will be added to somewhat. One dollar out of every six that each student pays during the year as a blanket tax goes to provide for these lectures, hence there is no extra charge to students. Admission to others than students is 25 cents. All lectures are held in the Armory, beginning at 7:30 p. m.

Oct. 19—J. S. Knox, Cleveland, "Community Building."

Nov. 23—Hon. Thomas R. Marshall, vice president, "National Tendencies."

Dec. 7—W. A. Blonck, Chicago, "Boiler Efficiency Methods in Europe and the United States with Reference to Power Plants."

Jan. 25—Maud Ballington Booth, New York, "Out of the Shadows."

Feb. 1—John A. Lomax, University of Texas, "Songs of the Cowboy."

Feb. 23—President E. B. Bryan, Colgate University, "The Meaning of Education."

March 14—Hon. Ernest K. Coulter, New York, "The Delinquent Community."

April 18—Seumas McManus, New York, "Merry Ramble Around Ireland."

NEWS AND COMMENT

Mr. Simpson, of the English department, and family, are living in Prof. Eustace's house during the latter's leave of absence.

"Happy" Musselman, '08, head of the Department of Farm Mechanics, is living up to his name nowadays, as he runs around in his new Ford.

Thru the courtesy of J. E. Selzer, student at M. A. C., the library is receiving a new monthly magazine, "The East and West," devoted to Jewish Life, Literature, and Art.

L. S. Eaton, a graduate of Cornell, and last year instructor in McGill University, is the new instructor in mechanical engineering. This makes an additional man in this department, made necessary by a new policy of cutting down student instruction as much as possible.

Miss Edna Garvin, a graduate of the Kansas Agricultural College, has been added to the list of instructors in the Home Economics Division. The extra large class of seniors has made an additional instructor necessary. Miss Garvin will have classes in domestic science and domestic art.

Miss Corbett, the traveling secretary for the central field of Y. W. C. A., was on the campus for a few days last week. At the regular meeting on Thursday she gave an interesting talk on the value of Bible study in the life

of the college girl. After the meetings Bible study classes were organized and the enrollments have already reached a good size.

"Summer Experiences" were the topics of discussion at the Hort. Club meeting last week. Beden and Rood have been working on pickles in the Thumb district and at Standish respectively. Malcolm Brown told of his experiences in his six months' sojourn in the Wenatchee valley, Washington. Nelson told of his work on a large fruit farm near Detroit.

The Eclectic society held its first social event of the fall season at the House Saturday evening. The party was a simple affair, in keeping with the fall season, and all present pronounced it a success. Mr. and Mrs. Mitchell, Mr. and Mrs. Hartsuch, and Mrs. Osband acted as patrons. Street, '14, and Morton, Henry, Buell, and Hayes, '15, were the alumni present.

The Entomology department is in receipt of a gift of a tsetse fly from former Governor Chase S. Osborn, secured on a recent trip to Africa. Prof. Pettit has been very anxious to secure a specimen of this fly, as it is the carrier of the terrible scourge (nagana) of the horse and other beasts of burden in Africa. The disease, which is a close relative of the sleeping sickness of man, is caused by one of the trypanosomes, and in the opinion of Prof. Pettit, has been a great factor in retarding the progress of the countries where it is found.

The last two weeks have been weeks of silo filling activity at the college. The college now has seven silos with a total capacity of about 800 tons. This year 120 acres of corn were raised on the farm, which would yield at a very conservative estimate 1,200 tons of silage. At this rate there will be considerable corn left to husk. An interesting feature of the corn harvest is the use of a gas engine on the corn binder to run the machinery. The binder is pulled by two horses and it is noted that these two have to work much less than the three when they did all the work, and also they were able to cut the corn on ground that would have been much too soft without the engine.

Herbert A. Gehring, who takes W. B. Wendt's place as assistant professor of civil engineering, graduated from Cornell in 1903. He worked one year installing sewage disposal plants in the suburbs of New York, following which he went to Havanna, Cuba, where he had charge of some civil engineering work which included the laying out of new streets, sewage systems, etc. From 1905 to 1908 he was instructor in civil engineering at Cornell. He then spent six years as assistant engineer with the State Engineer of New York, most of this time in the bureau of hydraulics. Mr. Gehring comes to M. A. C. from Trinity College, where he has spent one year as head of the department of civil engineering.

THE M. A. C. UNION.

The following poem, written by Francis Hodgman, '62, now deceased, at the time when an alumni building was under consideration, some 20 years ago, tells the story of the spirit in which this propaganda was received by some at that time and is reproduced here for its historical value in connection with our present proposed Union. The poem is taken from a book of poems, all by the same author, owned by J. H. Gunnison, ex-'61, of Lansing. Mr. Gunnison says that the "Charley" addressed in the poem is C. J. Monroe, ex-'62, of South Haven, at that time member of the State Board of Agriculture. The "Cook" referred to is A. J. Cook, now State Commissioner of California:

THE M. A. C. MEMORIAL BUILDING.

Say Charley! Have you heard the news? They talk at M. A. C.
Of putting up a building there for such as you and me
And all the other boys and girls who get diplomas there.
And we can all chip in and help, who have the chink to spare.
They're going to fix a dandy place, where all of us can go
And talk of things which happened there, so many years ago.
When we were at the College a-searching after knowledge,
And having such a jolly good time so many years ago.

They're planning for a lot of rooms with fixtures all complete.
Where we can do most anything,—can sleep, or eat, or meet;
'T will not be like the boarding hall,—that old Saints' Rest, you know.
In which we studied, ate, and slept so many years ago—
But just a home-like stopping-place, where we can always go
To talk the good times over,—those days of long ago,
When we were at the College,—a-picking up our knowledge
And sporting in those halcyon days in years of long ago.

We older boys are aging now, and few of us there be;
We've only left of our old class just you and Cook and me;
And very soon the time will come when all of us must go,
And leave forever all the scenes we loved so, years ago.
So from the fine memorial rooms we'll get but little good,
But others will, and we will still be wishing that we could
Be boys again in College,—a-filling up with knowledge,
Just as we did in those old times of years and years ago.

Lyle E. Severance, a member of the class of '16, is taking greenhouse work at the University of Illinois this year.

AGGIES TOTAL 77 POINTS WHILE ALMA GARNERS 12 LOSERS PLAY GOOD BALL

Against a much stronger team than was met the week before in Olivet, the Aggies ran up a total of 77 points last Saturday. But the story is not all told in this, as the Alma huskies crossed M. A. C.'s goal line twice—this being the first time this trick has been turned by the Presbyterians in years. However, both touchdowns were honestly earned and the Alma boys deserve a great deal of credit.

M. A. C. gathered two touchdowns in the first few minutes of play via Hugh Blacklock, Springer, Gideon Smith, and DePrato. Then the surprise came, for with Alma receiving, the ball was brot by Johnston to the middle of the field where he fumbled, but N. Smith scooped it up and ran 50 yards for a touchdown. Two forward passes of 25 yards each from Smith to Spinney put the ball over the line again for Alma's last count.

After these two surprises the Aggies settled down to business, each player taking a little responsibility, and the goal was not in danger the remaining three quarters, tho it should be mentioned that Alma held M. A. C. for downs on her one-yard line in the last quarter. One of the bright spots of the contest was the perfect drop kick by DePrato; from the 28-yard line. One of these might come in handy some time and the fans were mighty glad to know that Jerry can do it.

Springer started the game at quarter, and ran the team like a real general, except that he used his vocal cords more than necessary, and Huebel, who played the last half in the pilot position, seemed to get away just about as snappy and with more luck hurling the forward pass. Henning seemed particularly apt in picking these out of the air some 15 yards ahead of the center of play. Blacklock at left half hit the line for many good gains, but showed his inexperience in picking holes and hardly ever got away after being tackled. Beatty was again a sensation when introduced into the backfield and he with Fick, H. Miller, and O'Callaghan, made a mighty speedy ground-gaining aggregation. Butler, a new man last week, was given a trial and showed some good stuff. Hewitt Miller was there with his usual long runs. Gid. Smith was easily the star on the line, tho Hutton seemed to be getting back into the form exhibited in 1912. Hugh Chapel, who subbed a while for Hutton, proved that he is a big possibility for line honors.

Condition (the kind that Coach Macklin instills, and not the kind Miss Yakeley mails out) seems to be the hobby of the coaches this year, and it showed up again Saturday, as not a man was taken out for injuries, while every down at the last part of the game seemed to muss up some Alma man.

M. A. C. ALMA.
B. Miller, Oviatt...L. E..... Richards
G. Smith.....L. T..... Spooner,
Johnson
Vandervoort....L. G..... Mi'ler
Frimodig.....C..... McAuley
Straight,
Patterson....R. G..... Notestein
Hutton, Chappel, R. T..... French
HenningR. E..... Spinney
Blacklock, Butler,
McClellan....L. H..... N. Smith
H. Miller, Fick...R. H.. Barnard, Foote
DePrato, Beatty, Johnson, Fitch
O'Callaghan...F. B..... Dove
Touchdowns—Blacklock, 2; De-
Prato, 2; Butler, Beatty, O'Callaghan,
Springer, Huebel, Henning, Fick, N.
Smith, Spinney. Goals from touch-
downs—DePrato, 5 in 7; Blacklock, 2
in 2; Beatty, 1 in 1. Drop kick—De-
Prato. Referee, Hoagland. Umpire,
Huston. Head linesman, Cox.

STUDENT EMPLOYMENT BUREAU.

The State Board of Agriculture at its July meeting authorized the establishment of a Student Employment Bureau.

For several years we have had an employment bureau under the direction of a committee of the Faculty, and with a student in charge of the work. The action of the State Board places the employment bureau on a plane with other college activities and makes it a permanent affair.

In order that the services might be entirely free to the student body, the Board made an appropriation of \$500 for the necessary expenses in connection with the working out of the details and the management of the bureau, and authorized that such management be placed in charge of the College Y. M. C. A.

This action on the part of the State Board of Agriculture indicates that said Board believes in the policy which has long been maintained, that students should have the opportunity for remunerative work in order to help them to get an education. Pursuant to these plans, under the direction of Mr. Hefley, a complete organization has been effected and is in operation. The different departments of the college, which employ student labor, are co-operating with the management.

This action on the part of the State Board of Agriculture will prove to be of far reaching advantage to the institution, and we are very much pleased at the efficient manner in which the work has been put in operation.

Harry Schultz, ex-'03a, one time star track athlete at M. A. C., spent a few hours at the college last week. Schultz is farming near Middleton, Mich.

A. M. MacVittie, 11, and wife, of Bay City, spent last week-end at M. A. C.

HOTEL HEADQUARTERS

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ALUMNI NOTES

'74.

M. T. Ranier writes from Manchester, Kan.: "Rev. H. V. Clark, class of '78, the only Presbyterian minister besides myself among the alumni, has just received a call to an important church at Phillipsburg, Kan., one of the largest and most important fields in that church in western Kansas."

'96.

W. J. McGee (a) is in the Bureau of Chemistry, U. S. Dept. of Agr., stationed at Savannah, Ga.

'00.

A card dated August 30th just reached the alumni office from Capt. Mark Ireland, '01, and Irma Thompson Ireland, '90, written from Corregidor, P. I. According to the information received Captain and Mrs. Ireland will live at Chesaning, Mich., until December 25, when they will take up station at Fort Gible, Jamestown, R. I. They will be on hand for one of the football games at M. A. C. The card speaks of a visit from LeRoy Thompson, '13, who is teaching at Batangas, P. I. The card reads further: "Among our souvenirs of our far eastern tour of duty is a native Filipino baby girl which we are bringing back on the nondutiable side of our customs declaration. We call her Mary Ellen Ireland, and I believe she is fair enuf so that she will not resent being twitted as to her birth place. We now boast of a Jersey mosquito, a Wolverine, and a Filipino in the family."

'03.

Ray Tower (a) has been located, thru his old pal, West, the paint man, of Springport, at Providence, R. I., where he is working with the Oliver-Johnson & Co., paint manufacturers. Tower's address is 34 Elm St.

'04.

Robert Sidney, the three-year-old son of Mr. and Mrs. S. E. Johnson, of Madison, Wis., died recently. The body was brot to Lansing for burial. Mr. Johnson is instructor of engineering in the University of Wisconsin.

'06.

J. E. Poole (m) who has been supervisor of vocational education at the Cicero Stickney township high school, Cicero, Ill., the past year is now director of the Industrial school, West Allis, Wis.

'07.

O. I. Gregg (a) is assistant principal and instructor in agriculture and horticulture in the high school at Klamath Falls, Ore.

'09.

A card has been received from J. A. Mitchell and Ruth Edwards Mitchell (with '11), announcing the arrival, on October 2, of Betty Alfreda, at Quincy, Cal. J. Alfred has charge of the U. S. Forestry Experiment Station at that place.

R. R. Lyon (e), lieutenant in the U. S. Artillery Corps, is still in the artillery school at Fort Monroe, Va. He writes: "The Record was a welcome guest a week or more ago, which brot me back from the busy student life here to earlier student days at dear old M. A. C."

'10.

Mrs. W. E. Perry (Katherine Clark, h), lives at 517 2d St., Bismark, N. Dak.

'11.

O. H. Johnson (e) works in the Department of Engineering Extension, Iowa State College. Ole lives at 1116 Randolph, Waterloo, Iowa.

G. P. Springer (e), instructor in civil engineering at the Maryland Agricultural College, has moved from Hyattsville, Md., to 2312 Woodbridge St. N. E., Washington, D. C.

Marjorie Bird Coplan (h) is teaching domestic science at Cadillac, Mich. She lives at 401 Harris St.

Edd Shubach (e) is working in the tool design department of the Dodge Motor Works.

J. Frank Campbell, '11, pulled into East Lansing in time to see the last half of Saturday's contest and hear the curtain lecture between halves—the latter of which must have reminded him of old times. "Old Ironsides" in addition to teaching manual training, is coaching football in the Milwaukee Western High. He brings his team to battle with Grand Rapids Central on the 23d.

'12.

Wm. G. Johnson (a) is farming at Metamora, Mich. "Bill" says, "We'll meet at the Michigan game."

Valentine Buckham (a) is herdsman at the Traverse City State Hospital. Address Box C, Traverse City, Mich.

H. E. Truax (a) who has been assistant horticulturist at the College of Agriculture, Fayetteville, Ark., has accepted a position with the Department of Agricultural Education at Washington, D. C. He leaves Arkansas about October 15th.

Fred Stone (e) is working for the Illinois Central Railroad, at present employed in the reconstruction or reinforcement of steel bridges in Kentucky. He writes that he is not particularly in love with Kentucky cooking—which would seem to indicate that Fred has found some one who could do the job much better.

J. R. Himmelberger (a) writes from Lexington, Ky.: "There are quite a number of M. A. C. people here—Prof. Good, '01; Carmody, '12; Mrs. Himmelberger and myself of '12, and Wright of '13. I see McDevitt, '09, quite often now. He is in the city in charge of a big construction job for the L. I. N. R. R., he being employed by a contracting concern in Chattanooga, Tenn. Things are coming along in a satisfactory manner and the South looks good to me."

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'13.

Clara M. Waldron (h) is dietitian in the Edmundson Hospital at Council Bluffs, Ia.

J. S. Sibley (f) is a member of the firm, J. L. Sibley & Co., dealers in wood, coal and coke of Pontiac.

W. L. Nies (e), with the U. S. Gypsum Co., of Chicago, visited college last week. "Bill" lives at 142 W. 4th St., St. Charles, Ill.

H. J. Wheeler (a) is starting his third year as instructor of agriculture in the Boyne City high school, and reports a very satisfactory position.

L. A. Prescott (e) inspection engineer for the Fargo Engineering Co., of Jackson, is at present getting his mail at 50 E. Cedar St., Chippewa Falls, Wis.

Harry G. Snow (a) and Miss Bernice Beers, of Kalamazoo, were married last August. Mr. and Mrs. Snow are living near Richland where "Short" is running his father's 200-acre farm.

D. T. Sayre (a) returned home (South Lyon) in July, via Europe, after a very pleasant two years in the Philippine Islands. A two-weeks' stay in India and a visit to the battlefields of France made the trip well worth while.

'14.

Gertrude H. Wickens (h) is teaching at Clyde, Mich.

Ezra Levin (a) is teaching science in the Kalamazoo high school.

N. W. Mogge (a), located at New York City, with the California Fruit Exchange, spent the week-end at M. A. C.

Po Kwang Fu (a) expects to finish his work for a master's degree some time this year. Fu is majoring in plant breeding and minoring in chemistry.

J. Wade Weston (a), assistant extension specialist for the Upper Peninsula, writes from Escanaba that he and Davidson, '13a, are planning to see the U. of M.-M. A. C. game October 23.

H. J. Lowe (f) is engineer for the Montebello Oil Co. of Fillmore, Cal. He writes, "was married last July to a Stanford, Jr., girl so am likely to be happy here for some time to come."

'15.

Whereas, News has reached us of the death of the mother of our beloved brother Ray Campbell; be it,

Resolved, That we, the members of the Delphic Literary Society, extend to the bereaved family our most heartfelt sympathy and sincere regrets; be it further,

Resolved, That a copy of these resolutions be sent to the family, and that they be published in the *Holcad* and the M. A. C. RECORD.

(Signed)

MARTIN J. DEYOUNG,

CORWIN J. SCHNEIDER,

C. HOWARD DONNELLY,
Committee.

October 5, 1915.

'15.

Edna Frazier (h) is teaching at Albany, Ind.

M. G. Dickinson (ex-'15a) is on a dairy farm with his father at Withee, Wis.

E. L. Underwood (a) is assistant in the chemistry department at M. A. C. this year.

A. L. McCartney (a) is doing graduate work this year, taking his major in soils and minor in botany.

E. M. Engel (e) called at the college last week. "Gus" reported that he has a fine job drafting for the M. C. R. R. in Detroit.

E. E. Alden (f) is with the Ritter Lumber Co., of Columbus, Ohio. "Short" is stationed now at Lower Elk Camp, Woodman, Ky.

George T. Hayes (a) has been appointed as instructor in horticulture at M. A. C. Hayes worked for the Heinz Pickle Co. during the summer.

Otto H. Vergeson (e) is draftsman with the State Highway Department at Lansing. Vergeson spent the summer in the West visiting the Exposition and other points of interest.

C. J. Gatesman (a) is employed in the chemical laboratory of the Ducktown Sulfur, Copper and Iron Co., at Isabella, Tenn. Conroy, a former in-

structor in chemistry at M. A. C., is head chemist.

Ming Sear Lowe (a) and Miss Louise De Voe, of Oakland, Cal., were married September 1, 1915, in the Chinese Presbyterian Church of San Francisco. Mr. and Mrs. Lowe will live in San Francisco.

A letter from G. K. Fisher (f) of Interlochen, advises us that Fisher has been taking a vacation this past summer. This fall he has been picking up some valuable pointers, as well as wet feet and blistered hands, from an old surveyor. "Fish" says that he welcomes the *Record* with open arms (which admission is pleasing, to say the least, coming as it does from the recent *Holcad* editor.)

As a result of some recent tests in spelling and grammar which the English department has been carrying on with the 500 freshmen, the classes in these subjects for delinquents will have about 250 students enrolled. One-fifth of them were found to be delinquent in grammar and one-fourth in spelling. The questions submitted in grammar were not technical in any sense and the following most often misspelled words give an idea of the spelling requirements: separate, believe, business, disappoint, occasion, until.



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