



*"M. A. C. Cannot
Live On Her Past—*

*What Will You Do
For Her Future?"*

THE M.A.C. RECORD

“EDUCATION: TO OR AWAY FROM THE FARM.”

PHYSICAL EDUCATION PROGRAM OUTLINED.

BAGLEY, '95 TO TEACH AT COLUMBIA.

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

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THE M. A. C. RECORD

VOL. XXII.

EAST LANSING, MICHIGAN, TUESDAY, JUNE 19, 1917.

NO. 33

BAGLEY, '95, TO TEACH AT COLUMBIA.

William Chandler Bagley, '95, for the past nine years professor of education at the University of Illinois, has been elected to a professorship in Teachers' College, Columbia University. His work at Illinois will terminate with the present college year. This coming year he will spend in research work for the Carnegie Foundation for the Advancement of Teaching under leave of absence from Columbia University. His address, after July 15, will be in care of Carnegie Foundation, 576 Fifth Avenue, New York City.

For several years the work of Professor Bagley has been looming large on the educational horizon of the country. He has been in demand as a speaker at state and national educational meetings and he is the author of several books on teaching, also the editor of the Modern Teachers' Series (Macmillan), School and Home Education (since 1912), Journal of Educational Psychology (joint editor). His books are: The Educative Process, 1905; Classroom Management, 1907; Educational Values, 1911; Craftsmanship in Teaching, 1911; Human Behavior (with S. S. Colvin), 1913; School Discipline, 1914—all published by the Macmillan Co.

He was born at Detroit, Michigan, 1874, and obtained his early education in the public schools of Worcester, Massachusetts and in the Detroit high school. He entered M. A. C. in 1891, receiving the B. S. degree in 1895. Taught in the public schools in Michigan 1895-97; graduate student University of Chicago, summer 1896; graduate student, University of Wisconsin, 1897-98, receiving M. S. 1898; graduate student (on Sage graduate scholarship), Cornell University, 1898-00, receiving Ph. D. degree in 1900; assistant in psychology, Cornell, 1900-Jan. 1901; elementary school principal, St. Louis, Mo., Jan., 1901-June 1902; director training department Montana State Normal College, 1902-06; superintendent of schools, Dillon, Montana, 1903-06; superintendent training school, State Normal School, Oswego, N. Y., 1906-08; professor of education University of Illi-

nois, 1908-17; director, school of education, 1909-17; director summer session, 1910-16.

He was a member of the Phi Delta Theta fraternity at M. A. C. and editor of The Speculum, 1894-95.

SPECIAL CANNING COURSE NEXT WEEK.

Considerable interest has already been manifest in the special canning course which the Home Economics department has scheduled for June 25-29, inclusive. The course will be open only for those who have had two years work or more in home economics with the idea that those who take it will be available for demonstrators throughout the state when the canning season really opens. At the present time the regular extension staff of the department is swamped with requests for demonstrations, and the prospects are that home canning will be done on an unprecedented scale this year.

In addition to the demonstrations in canning all kinds of fruits and vegetables and the actual laboratory work of doing this, those who elect the course will be given thrift lectures on milk, meats, eggs, vegetables, fruits, planning of meals and other lectures in the composition of foods and the bacteriology of canning.

With every letter which the Home Economics department sends out there is included a blank registration card asking the individuals to state how much time they can devote to emergency work this summer. "In this way," says Dean White, "our graduates in home economics will be able to do a patriotic duty and one which the state has really fitted them to do. We are expecting a ready response along this line."

President Kedzie issued an order last Friday excusing for the summer all members of the teaching staff whose work detained them at M. A. C. only through the college year. An order was issued previously that all should be detained until July 1 hence there was some scramble last weekend among many of the instructors to get into some productive work for the summer months.

PHYSICAL EDUCATION PROGRAM OUTLINED.

Following a conference with Director Brewer in Chicago recently Acting Director Gauthier writes as follows regarding the program which it is hoped to put into effect at M. A. C. beginning with the next school year:

"Mr. Brewer will ask that physical training be required of all men in the freshman class and that one credit be given for a two-hour course each term, classes to be one hour in duration and the work to be elective for sophomore, junior and senior men. All men in the freshman class will be given a physical examination at the beginning of the fall term and assigned to special work to correct any underdeveloped or defective parts of the anatomy.

"It is his desire that the Athletic department be empowered to require physical training for a greater period than one year of any men who are abnormal or not fully developed. These men to be examined at the close of their first year and if found to be in need of further physical training will be required to take the course the following year. In this manner, M. A. C. will be sure that every man graduated from the institution is on a par with the average physical requirements.

"Credit will be given the men on athletic teams in the physical training and competitive games will receive attention especially amongst those men who are found to be sound in body and of well developed physique. By the training of these large numbers, ready material will be found to represent M. A. C. in intercollegiate circles.

"This course of training ought to attract many high school boys who seek such training and it is up to the alumni of this institution to look up boys who will be a credit to M. A. C. and get them started to the right place for a mental and physical training as will be of unlimited value in their life.

"A course for prospective athletic coaches will also be established for juniors and seniors who desire to elect this work. It will include all branches of games and intercollegiate

(Continued on page 4.)

THE M. A. C. RECORD

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

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TUESDAY, JUNE 19, 1917.

COLLEGE PRESIDENTS UNITE IN INVITATION TO CONTINUE "EDUCATION AS USUAL."

President Hutchins of the University of Michigan, President-Kedzie of Michigan Agricultural College, and President McNair of the Michigan College of Mines have composed a letter which is being sent to the high schools of the state emphasizing to the graduates that they will do a patriotic service by continuing their education at some state college, this coming year.

We hail this message with delight, not only because of its timeliness and fitness but because it is evidence that these state colleges can work together. We believe that the best interests of higher education in Michigan demand a much greater co-operation between these colleges than has been had in the past.

The text of the letter is in part as follows:

"It has always been true that trained intelligence is necessary for the solution of large problems. This will be emphatically so in the future. Our commonwealth maintains the University of Michigan, the Michigan Agricultural College and the Michigan College of Mines in order to give general, technical and professional education to young men and women who must in their future careers assume the burdens and responsibilities of citizenship.

"It is a patriotic duty for them to take advantage of what the state offers in the way of preparation for the activities of life and for public responsibilities. In this world crisis, some must shoulder the rifle, others must produce food, while others must be able to take charge of constructive enterprise.

"We, therefore, urge upon the young people of the state who graduate from the high schools this year, that all who do not enter directly and actively into military service, continue their education at some higher institution of learning, where they can secure training that will enable them to meet the emergencies of tomorrow.

"After the war is over, the world will face the stupendous task of reconstruction and reorganization. Principles which have heretofore governed will not be sufficient to meet new demands. Trained, constructive ability will be needed as never before."

PHYSICAL EDUCATION PROGRAM.

(Continued from page 3.)

sports as well as methods of establish coaching systems in same.

"It is to be hoped that in the near future we may have a health board on the campus whose duty it is to look after the health of all students and see that they live under healthful conditions and are properly treated for sickness when necessary."

RURAL LEADERS CONFERENCE HAS BIG ADVANCE ENROLLMENT.

From figures on file at the office of Prof. E. H. Ryder, director of the Summer Session, it is evident that the conference of rural leaders, July 5-12, will be one of the big features of summer school which starts next week Monday. There is already an advance enrollment of 80 and every mail brings additions.

In the crisis which this country is facing, the work given at M. A. C. is of all the various types of education—the kind most adapted to the needs of the situation. And much of the work to be given at the Summer Session is designed particularly to meet these needs. The courses for teachers in agriculture and home economics and the course in rural education are examples of this. A special course which has been outlined to explain the extension service is very timely since no other activity of the College has received such an impetus in these stirring times. A course for teachers of manual training is also one of the features of the summer term. These, with regular college courses offered, make a total of somewhere near 150 courses for the session.

DEAN LYMAN QUALIFIES 15 VETS.

Dean R. P. Lyman of the Veterinary division at M. A. C., who was appointed to examine 50 veterinarians for service in the U. S. Army, has already passed about 15 of the quota called for, the following being among the successful candidates: C. S. Burgert, '17; E. M. Hough, '16; C. J. Couchois, '16; O. A. Taylor, '15; R. B. Bolton, '17; R. A. Runnells, '16; H. J. Staffseth, '17; W. C. Keck, '17; B. C. Murtry of Oxford, graduate of Grand Rapids Veterinary College; A. C. Curtis of Evart and G. R. Curtis of Adrian, from the same college; F. E. Caswell of Blissfield, Ontario College; Harry L. Cotton of Albion, Ohio State; S. H. Regenos, of Leslie, Ohio State.

FROM THE TRAINING CAMPS.

"Life here is still very strenuous but same is to be expected. While my nickname is Dammed yankee the natives here are a fine bunch." "Turk" Parker, '09, First Company Barracks, Ft. McPherson, Ga.

"Am a member of Co. B. Have applied for field artillery and expect to leave here in the near future." O. G. Dryer, '15, Fort Sheridan.

"Am now taking advanced military science in capsule form from 5:00 a. m. to 10:00 p. m. and no rain checks for stormy days, of which there are many. Expect to be transferred to the field artillery camp." "China" Clark, '16, Co. B, Fort Sheridan.

"My address is Co. C, R. O. T. C. 'Chill' Gorenflow, a former varsity captain, is also in C. Also M. B. Jensen, '16, whose name was not in Record for May 22." Dan L. Mead, '17.

"There are several of us in Co. K. R. M. Heasley, '18, F. M. Childs, '16, Howard Cowles, '16, Leffler, Swift, and myself." W. S. Beden, '16, Fort Sheridan.

"Cashin, '17, arrived here Saturday and is in Co. A. Address me Co. I." George J. Henshaw, '17, Fort Sheridan.

"The following M. A. C. men are members of Co. N, R. O. T. C., O. H. Cleveland, '11; J. L. Graham, ex-'16, D. F. Jones, '16; Blake Miller, '16; Burdette Bellinger, '18, T. E. Peterson, '19; W. H. Rust, '18; R. J. Potts, '15; W. T. Gorton, '16; L. B. Aseltine, '15; E. H. Wyatt, a short course man, '15-16, and myself." E. H. Collins, '13, Fort Sheridan.

"E. H. Collins and myself have been assigned to the Coast Artillery and expect to leave in a few days. Do not know where we will go yet." O. H. Cleveland, '11, Co. N.

W. H. Betts, '15, who has been in training at Fort Sheridan, has been ordered to Fort Leavenworth, Kansas. He is in the Engineering Co., 10th Provisional Training Regiment. He writes: "Pansy" Aultman, McArdle, Oppenheimer and myself are representing M. A. C. in this company."

"Hub" Bartlett and myself are aboard a special for Fortress Monroe, Virginia to join the Coast Artillery." F. W. Marx, '17.

"We had a big shake-up today (June 16) and now find ourselves arranged in companies for specialized training in the branch of service we've signed up for. We're busy all the time and if illness is the devil's workshop, we're surely working in an angel's studio." L. H. Verschoor, '17, Mich.-Wis. Cavalry, R. O. T. C., Fort Sheridan.

'98.

A son Edward was born March 7 to Capt. Mark and Jeanette Carpenter Wheeler at El Paso, Texas.

EDUCATION: TO OR AWAY FROM THE FARM?

(This essay won first prize in the Lawson Memorial Prize Essay Contest.)

During the past half century or more there has been a constant movement, especially in the older parts of the United States, of a considerable portion of the highest type of young manhood from country to city, thus enriching the professions and trades by causing an irreparable loss to the country. The purpose of this paper is to point out one of the chief causes of the evil; to tell how and why agriculture suffered so much from it; and to show what the remedial agencies are and how they are working.

No effort will be made to cover the entire range of the subject, nor does the writer promise, as did the colored parson, to "define the indefinable, explain the unexplainable, and unscrew the unscrutable."

A very able investigator recently stated that a carefully taken census shows the appalling fact that over 400,000 people, in a single eastern state, had left the country and gone to the city. He also states that about 4,000,000 acres of farm land are tenantless in New England, 4,000,000 in the Middle Atlantic States, and over 3,000,000 acres in the South Atlantic States. These farms are abandoned,

not because the soil is worn completely out, not because the owners were unable to produce a living and had to submit to mortgage foreclosure, but simply because the boys and girls left to make their mark in the city. When the parents died the farms were sold or left—unoccupied—unworked—abandoned!

Why this movement from country to city which has almost prostrated agriculture in many parts of our land? The chief answer is that the ideals placed before the boys and girls were wrong. Any person who attended school in the country twenty-five, thirty-five or forty-five years ago will remember that the heroes in the stories of the readers, the subjects of the longest biographies in the histories, and the characters held up by the teachers as examples, were, with rare exceptions, born in the country, attended the country school, went to college, entered one of the professions and achieved greatness. Every boy was often reminded that Andrew Jackson, Daniel Webster, U. S. Grant, James A. Garfield, Abraham Lincoln and many others went from lowest country birth to fame and renown in the city. No examples of great farmers were held up. The evolution was toward the city.

Thus it was that the resolve to become a doctor, minister, teacher, or lawyer became firm in each aspiring young mind, and it produced, in the

very nature of the case, a dislike for the farm and farm work. In most places the teacher was aspiring to make a mark in one of the learned professions and was teaching only as a gentlemanly means of earning money to pay college expenses. The teacher was very careful to emphasize the teachings of the books and make it clear that each boy had as good a chance as Webster or Garfield. It was necessary to go through high school or academy, then through college into one of the professions, and greatness—possibly to be a governor or even president of the United States—was assured!

The boy's ambition was fired with a deathless flame. At any cost he would write his name high on History's scroll. High school and academy courses of study were designed to fit students for college entrance. College courses were planned to lead to the professions. The college was the Mecca toward which the bright boy turned his face and at whose shrine he devoutly worshiped.

Agricultural and other technical colleges had scarcely any professional standing. They were nicknamed "bread-and-butter" schools, and their graduates were looked upon as mere farmers, mechanics, and tradesmen. It was tolerable for the boy with rather inferior mental capacity, to go to a bread-and-butter school and then settle down to a humdrum life as a farm-

LATEST PICTURE OF R. E. OLDS HALL OF ENGINEERING, DEDICATED JUNE 1, 1917
CORNER OF SHOP NO. 1 AT LEFT



er, engineer, mechanic, or tradesman; but for the lad with bright eye and keen intellect the road to honor, distinction, and fame could lead only through the enchanted field of classical education into one of the learned professions.

The effects of this educational system became very apparent. The most painstaking investigation made especially for the purpose shows that of the men high up in professional and political positions—the lawyers, college presidents, doctors, financiers, governors, statesmen, and diplomats—who received their education during the twenty years following the Civil War, over 80 per cent were farmer boys. The system was very good for the professions. It put the choicest red blood and unbounded ambition into them, but it did irreparable damage to agriculture. Untold numbers of men who would have made agricultural leaders were trodden under foot in the scramble and struggle for position in the crowded professions. Clergymen, teachers, doctors, and lawyers became so plentiful that the professions were overcrowded. The average earnings in any of those professions are, even today, lower than the wages of a good plumber or brick mason.

A new educational system is in process of formation. A new era is dawning for agriculture. The tilling of the soil is now looked upon as the most ancient and one of the most honorable callings. Scientific agriculture has already been so well developed and its teaching contains so much of value from both educational and vocational standpoints, that not only do the country school courses of study provide for considerable work in the subject, but the high schools and state normal colleges have organized special departments for the teaching of scientific agriculture. Today no institutions of learning have larger numbers of students than the agricultural colleges; no schools are more liberally supplied with working capital and superb equipment; no institutions have more broad-minded and capable faculties.

The country boy is now told that he may achieve success in any one of a score of callings. Vocational training is offered to fit him for any of them. The great careers of the last fifteen years have been made in business rather than in the professions. With the agricultural college extension work, county agents, club work, and the like, which are being used with such marked success throughout the country districts, the country boys are being shown the vast possibilities of agriculture.

In a country district where the yield of corn, for example, is less than 35 bushels per acre, the local members of the Boys' Corn Club who, under competent direction, succeed in producing 125 to 150 bushels of corn per

acre, become the heroes of the neighborhood as well as its inspiration. When the boy who makes the prize yield of the County Boys' Corn Club is furnished a scholarship at the Agricultural College all eyes turn to him. He has achieved greatness.

Year before last the average yield of corn in Michigan was 32 bushels per acre. The Corn Club boys averaged 67 bushels. The state average of potatoes was 97 bushels. The potato club boys averaged 246 bushels per acre.

The boy who succeeds in raising stock more profitably or in producing greater crops at lower net cost than his father, it is fairly certain will long for the time when father will give him the management of the farm or when he can have a farm of his own.

At a recent camp-fire conference of the Michigan Boys' Club representatives the leader asked each boy what vocation he intended to follow. Thirty-two answered. Of these twenty-four intended to become farmers. Only one of the other eight intended to enter a profession. The graduates of the agricultural colleges are either going onto the farms or into teaching.

Thus it is seen that the old-time tendency to place the great emphasis on training for a professional career and to belittle life on the farm has almost reversed itself. Today school boys are made to understand that the professions are overcrowded and underpaid but that the openings for a career on the farm were never better. The budding youth is shown that on the farm, as nowhere else, he may have the greatest comforts and conveniences, and enjoy to the full health, happiness, and long life.

I. B. McMURRY, Sp. Ag.

M. A. C. WINS RIFLE MATCH.

After considerable delay, and a bit of efficient protesting on the part of Sergeant Paddy Cross, official announcement has been made that the M. A. C. Rifle team won the intercollegiate rifle match held this spring. *Arms and the Man* for June 2 gives M. A. C. credit with a match average of 9638 out of a possible 10,000, and an individual average of 192.76 out of a possible 200.

Washington State, which institution earlier in the season was reporting perfect scores, is not mentioned in the final report, and it seems probable that Sergeant Cross' protest against their sending in scores a week late had the effect of throwing out their scores altogether.

M. A. C.'s score was not only higher than those of other colleges of like nature but was higher than those made by military schools. This is the third national championship the Aggies have secured, having won in 1914 and 1916.

SAMUEL ALEXANDER.

Samuel Alexander, a student at M. A. C. 1860-61, died in Detroit May 15, 1917. He was born in Ohio January 6, 1841, and came to Michigan in 1855.

Mr. Alexander was at M. A. C. only a few weeks after he entered when he was taken sick and was compelled to return home. While on his way back to the College after recovery the call for volunteers came. He volunteered and always claimed to have been the first from M. A. C. to volunteer. He was considerably interested in botany and carried a copy of Gray's Manual in his knapsack throughout the war, botanizing whenever opportunity afforded.

He farmed and taught school after the war and was city forester of Detroit for some years. The last year of his life were devoted entirely to botanical studies, particularly studying the oaks and sunflowers of the state. He discovered a new oak which was named in his honor *Quercus Alexanderi*. In his study of sunflowers he discovered hundreds of forms and developed a more logical system of classifying them. He has given several papers on this subject before the Michigan Academy of Science as well as before the Botanical Society of America and other similar organizations. His ill health the last two or three years has prevented his carrying the work to completion as he had hoped. Some of the sunflowers in the botanical garden at M. A. C. were collected and sent by him as was a large set for the Missouri Botanic Garden.

Mr. Alexander always retained his interest in M. A. C. and has visited the campus several times the past seven years. Dr. Bessey has been well acquainted with him through his botanical work and meeting him at scientific meetings. He leaves a wife and a married daughter living in Detroit.

CORRESPONDENCE.

M. A. C. RECORD:

Your inquiry received and I am glad to report that H. M. Goss, '93, is at Fort Bliss, Texas, as secretary of the Y. M. C. A. there. He was formerly located at the Presidio Y. M. C. A.

I left my home in Newport, Oregon early last month and we have been hard at work recalling old tricks and learning new ones ever since the first few days. There are about 3,000 embryonic officers here at present and more to come. The location is a lovely one and being at the Pacific Coast headquarters for the army is an excellent one from which to imbibe the spirit and detail of the work.

I hope that M. A. C. is taking more prominent part in this war than in 1898. I remember what a disappointment it was at that time that no organization bearing the name and carrying the spirit of the old colle

went to the front and that we who did go at that time were obliged to scatter ourselves among strange companies.

L. C. SMITH, with '97 and '99.
2nd Co., R. O. T. C., New Presidio of San Francisco.

Editor RECORD:

I heartily endorse the idea set forth by Haigh of '74 in the RECORD of May 29. M. A. C. is what it is today largely because of the days when the old "College Hall" was THE building and because of the teachings and teachers who in it shaped the principles and destiny of our Alma Mater in her formative stage. The old "College Hall" is to M. A. C. much that Independence Hall is to the U. S., and is as worthy from the standpoint of the College, of preservation as that historic building.

There may possibly be sufficient reasons known to the Board of Agriculture and faculty why the promises of the rehabilitation of the beloved building have not been kept, but, if there are, the same should be made known to the alumni.

The children who neglect their father's home are unworthy descendants.

S. C. TRACY, '76.

Walkerton, Ind.

WOULD CORRELATE INSTRUCTION IN ENGINEERING SUBJECTS.

A movement has been started by the national Society for the Promotion of Engineering Education which has for its purpose the closer co-ordination of the instruction given in mathematics, physics, and mechanics in the colleges of the country. The committee of this organization on "Mathematics" of which Prof. L. C. Plant, head of the Mathematics department of M. A. C. is chairman, has submitted some strong recommendations along this line. They are printed in the proceedings of the Society for the Promotion of Engineering Education, Vol. 25, 1917.

The conclusions of the committee were arrived at after submitting questionnaires to heads of department of mathematics, physics and mechanics. One of the recommendations was that a committee representing the interested departments in each college be appointed to take up the matter of coordinating the instruction. Such a committee has been appointed at M. A. C. and consists of the following: Prof. C. W. Chapman, physics; Prof. Gehring, civil engineering; Prof. Sawyer, electrical engineering; Prof. Stewart, drawing; Prof. Polson, mechanical engineering.

The committee of the national body which had this matter under advisement consisted of the following, in addition to Professor Plant: S. A. Moss, General Electric Co.; Dr. E. R. Hedrick, head of mathematics depart-

ment of U. of Mo.; Prof. H. E. Cobb, mathematics at Lewis Institute; Prof. E. V. Huntington, of Harvard University.

THE HILLS.

(This poem won second place in the Enomian-Holcad contest.)

Born of the ice, the children of the ancient glacial creep;
Lashed by the maddened waters of the primal river's sweep;
Furrowed by the hands of time, which left their rutted track;
The hills are waiting, waiting and I'm longing to go back.

Panoply of shifting scenes, bedecked with varied cloaks,
Hazel-brush and sassafras, the sumac and the oaks
Stretch their leafy garments above those swelling breasts
Of the patient hills who call to me to gather their bequests.

Restless with latent life, beneath the dwindling drifts,
The hills are thrusting shoulders through the ever widening rifts.
Spring, and laughing water, and a gaunt-armed white-oak tree
Are whispering, and laughing, and beckoning to me.

Sunshine-flooded, softened curves that meet the distant sky;
Vibrant air engulfing them, a warm wind loitering by;
It's summer in the living hills where dwells the balm of peace;
The voices call, and call to me, and offer care's surcease.

Nature's banners flaunting in a wind whose power thrills
Scarlet ranks of sumac on the undulating hills;
Blushing groves of sassafras, the golden-rod's bright blaze
Send haunting calls to come to them in autumn's hazy days.

Smothered in the roistering gale that's filled with biting frost;
Bare trees sobbing, sobbing for the banners that are lost;
Rugged friends are all the hills where winter holds its sway,
And my eyes are dim with searching for the path that leads that way.

Tired of wandering, filled with longing for the path which climbs the slope
Where the scarlet of the sumac seems the altar fire of hope;
May I once again turn backward and watch the sunset pale
Till the shadows of the twilight steal along the old hill-trail.

—A. J. Patch.

NEWS AND COMMENT

Captain Ira Longanecker, commandant at M. A. C., has been detailed to Fort Snelling, Minnesota. Captain Max S. Murray (just recently elevated to a captaincy) has been detailed to the negro camp at Des Moines, Iowa.

The American Society of Mechanical Engineers has authorized the establishment of a branch society at M. A. C. Fees for student members are nominal and this entitles them to the publication. The branch will be organized as soon as College opens in the fall.

Mr. Alex McIntyre of the normal school at Winnipeg, Manitoba, visited M. A. C. recently to get in touch with the work being done in agricultural high schools. He is acquainted with L. J. Smith, '06, of the Manitoba Agricultural College, and spoke of the high esteem in which he is held.

L. C. Emmons, of the mathematics department, who has spent the last year in graduate work at Harvard, has returned to East Lansing. He will be granted the M. S. degree at Harvard at the Commencement next week. Mr. Emmons was advanced to the position of associate professor of mathematics at a recent State Board meeting.

In the biennial report of the Michigan Public Domain Commission, just issued, A. C. Carton, '85-86, secretary of the commission, pays a tribute to the foresight of several men who early saw the danger which would come from a ruthless cutting of Michigan's forests. Among these men are Chas. W. Garfield, '70, James Satterlee, '69, C. J. Monroe, '61, Dr. R. C. Kedzie, and Dr. W. J. Beal.

The Bacteriology Department is installing a canning kitchen which will be operated in co-operation with the boys' and girls' club work and the Home Economics department, and which will be used in a more intensive study of the causes of spoilage in canned goods. The Bacteriology department has already done much work along this line but has never had a place set aside for it before.

M. A. C. MEN SURVEY CAMP SITE AT BATTLE CREEK.

C. M. Cade, '07, assistant professor of civil engineering at M. A. C., was appointed last week to take charge of a topographic survey of about 2,500 acres of land near Battle Creek which will be used for one of the training camps for the "first 500,000." Other M. A. C. men who are working on this project are Prof. R. K. Steward, head of the Drawing Department, C. A. Me-

lick, associate professor of civil engineering, and W. W. Hitchcock, '07, instructor in civil engineering.

ERROR.

In the caption of the '93 class picture in the last RECORD we left out the name of A. B. Cook, who was next to the last person on the right.

ALUMNI NOTES

'68.

S. M. Tracy of Biloxi, Miss., is the author of a recent bulletin of the U. S. Department of Agriculture on Bermuda Grass.

'76.

"Referring to the article in May 29th issue from Henry Haigh, class '74, the class of '76 My '76' rises as one man to greet Henry and shouts in stentorian tones: 'Bully for you, Henry. We are wid ye!'"

"R. A. CLARK."

'83.

Wm. H. Sheldon, '79-'80, is a farm owner and dealer in seeds, coal, and hardware specialties at Climax, Mich.

William Howard Bristol, '79-'81, is dairying and in the real estate business at Almont, Mich.

Albert Sherman Osborn, '79-'80, is an examiner of questioned documents at 233 Broadway, New York City.

'86.

Willard Brumfield, '82-'83, is attorney at law and abstractor at Port Angeles, Washington.

'87.

Thomas A. Saylor, '83-'84, is manager of a wholesale sporting goods and hardware store for Morley Bros. at Saginaw.

'89.

Herbert Willis Carr, '85-'87, is in the real estate business in Seattle, Washington, with offices at 309 Boston Block.

Howard A. Knevels, '85-'86, is farming at Three Rivers, Mich.

'91.

E. E. Gregory, '87-'90, is doing his bit this year by farming over 800 acres in cotton and corn at Port Lavaca, Texas.

'93.

Louis B. Allison, '89-'91, is in the jewelry business in Owosso.

'96.

Lewis Clark McLouth, '85-'87, is assistant general manager of the Michigan Crown Fender-Co., living at Ypsilanti, Mich.

Nathan C. Johnson, '92-'94, is auditor for the Diamond Match Co., at 111 Broadway, New York City.

C. A. Jewell, who begins work July 1 as first deputy in the State Dairy and Food commission of Oregon, will live at 928 East 14th St., Portland. The commission has offices in the Wor-

cester building, that city. Jewell has just finished his third year as principal of the Humboldt County high school, Winnemucca, Nevada.

'97.

Cornelius K. Chapin, '93-'96, is a manufacturer in Detroit with address 85 Porter street.

Dwight Sanderson, assistant secretary of the New York State Food Supply Commission, has his office at Agricultural Hall, Albany, N. Y. For the past two years he has been a fellow in sociology at the University of Chicago. Previous to this time he was dean of agriculture at the University of W. Va. He has held his present position, which is a war job, since April 21.

'99.

James Michen, '95, '96, is a building contractor at Fenntville, Mich.

'01.

Floyd H. Smith, '97-'99, is farming at Addison, Mich.

John B. Westover, '97-'00, is director of publicity and mail order manager for Levy Bros. Dry Goods Co., Houston, Texas.

Mark L. Ireland, Captain C. A. C., Quartermasters Corps, is now at Fort Sam Houston, Texas. Mrs. Ireland, Irma Thompson, '00, is with him.

Fred C. Kendall, '94-'96, is a mail clerk on the Butte and Spokane division of the Northern Pacific. He lives at E. 601 Everett avenue, Spokane, Washington.

'02.

W. G. Wideman, '98-'01, is a dredging contractor at St. Johns, Mich.

'03.

Harry E. Wagar, '99-'01, is a banker at Edmore, Mich.

E. K. Mason, ex-'03, runs the lighting plant and does feed and flour milling at Athens, Mich.

Burr Wheeler is now resident engineer for the Chile Exploration Co., Tocopilla, Chile. He writes that the power station is 40,000 KW capacity to which they are adding 75,000 KW. All power is transmitted to copper mines at Chuquicamate, 90 miles inland. When completed the plant at Chuquicamate will work 27,000 tons of ore per day.

'04.

Elvine Armstrong and her husband H. W. Reynolds, who was assistant professor of mechanical engineering at M. A. C. 1900-1904, and who has lately been professor of mechanical engineering at the University of the Philippines, have left for the States, where they will spend several months' vacation.

'05.

George R. Fryman, who has been city engineer of Raton, New Mexico, has accepted a position with the Trussed Concrete Steel Co., Youngstown, Ohio.

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'06.
A son, Mahlon Bray, was born June 12 to Mr. and Mrs. (Mary Bray) Robert Hammond of Okemos.

'07.
The annual report of the Agricultural Department, Northern Pacific Railway, goes to show that E. A. Willson, agricultural agent for this road, has accomplished a great deal for permanent agriculture in western North Dakota through the demonstration work done in that section the last six years.

O. I. Gregg, the new county agriculturalist for Wayne county, has established his residence at Dearborn, Mich.

'08.
W. A. Hopson, f, is now secretary, treasurer and manager of the Gladwin Farm and Cattle Co. at R. F. D. 5, Gladwin, Mich.

'09.
Walter N. Moss has been in the training camp at Fort Benjamin Harrison, Indiana, and has recently been detailed to a coast artillery post.

C. G. Bullis, ex-'09, has been machinist's mate, 1st class, in the U. S. Navy for the past six years and was on coast survey duty in the West Indies at the time war was declared. His present address is U. S. S. Eagle, c/o Postmaster, New York City.

'10.
Max L. Tower has recently moved from Midland to Detroit to accept a position as chemist with Parke, Davis & Co. His residence is 366 Pallister.

'11.
A son Charles Cummings Collingwood was born June 4 to Mr. and Mrs. G. H. Collingwood. Collingwood is a member of the faculty of the forestry school at Cornell. He has just finished work for his M. S. degree at the U. of Mich.

Newspaper reports have it that Ion Cortright expects to sail for Europe on June 23 to take up Y. M. C. A. work there. He applied for the aviation corps but was barred on account of his crippled hand.

'12.
John J. Harris, e, is now in civil engineering work at Niagara Falls with residence at 1306 Whitney Ave.

Henry C. Bursma, '07-'10, is stock salesman and promoter in Grand Rapids with address at 1228 Logan street, S. E.

Edwin Smith stopped at the college a short time last week on his way to Seattle, Washington, for the Office of Markets, U. S. Department of Agriculture.

Gleason Allen has enlisted as a private in the 6th U. S. Engineers and when last heard from was at El Paso, Texas. Allen writes that he always has wanted to get an idea of what a private's life in the army is, and, while he was like most the young fel-

lows who may be fitted for something better and hence are eager to secure commissions, he took this opportunity and began at the bottom.

'13.
A daughter, Vada Vane, was born May 31 to Mr. and Mrs. F. L. Granger at Laredo, Texas.

J. B. Hazen, '09-'10, is a traveling salesman, living at Hudson, Mich.

Lee M. Hutchins is on an extensive trip through the west in the interest of fruit disease investigation work for the U. S. Department of Agriculture. He expects to visit Michigan the latter part of June.

Virginia Langworthy is working this summer in the New York State Health Laboratory, Albany, N. Y., her address being 36 Eagle street. She secured this position as the result of a civil service examination in which she stood first with an average of 97.4 in a class of 30. Just before completing her year's work as instructor in bacteriology at Vassar she arranged a bacteriology exhibit, somewhat along the lines of those at M. A. C., which stirred up a good deal of interest among the faculty and students of Vassar.

'14.
R. P. Norman, f, is now with the Culver & Stearns Lbr. Co. at L'Anse, Mich.

Newton Stobbs Best, a student at M. A. C. in 1910 and part of '12-'13, is on the U. S. S. Kansas and may be addressed c/o Postmaster, New York City.

The engagement of Sophia Dodge of Lansing to Corwin C. Armstrong, a former English instructor at M. A. C., has been announced. The wedding will take place in August.

D. D. Cushman, who is teaching at Mountain Home, Idaho, has been engaged for summer work as district supervisor of garden clubs of the county. He writes that the work looks good "but is slow in getting started as 75% of the children have the measles."

O. M. Gruhzt has resigned his position with the State Board of Health to become city bacteriologist for Flint. He commenced his new work June 1. Mr. and Mrs. Gruhzt have a son, now about six weeks old, who was born the same day Mr. Gruhzt received his final naturalization papers.

'15.
G. K. Fisher, f, is now in the farming game at Interlochen, Mich.

H. C. Zierleyn, e, is sales engineer for the Municipal Engineering and Contracting Co., of Chicago. His residence is 640 Lincoln Parkway.

Herbert R. Conover, '11-'14 e, is field man in the real estate department of the C. C. C. & St. L. R. R. His permanent address is 603 Maple St., Lawrenceville, Ill.

L. M. Shumaker, who has been drafting for the M. C. R. R. in Detroit is now back in Hillsdale, living at 90 S. Howell street, and working with the Engineering firm, Cox, Norton and Shaver.

Albert H. Jewell, who has been working with the Kansas State Board of Health this past year, has accepted a position as assistant sanitary engineer of Michigan. His new address is 621 Oakland Building, Lansing.

The editor is pleased to note that the weekly market review issued from the Chicago Station, Office of Markets, U. S. Department of Agriculture, is signed by H. P. Henry, assistant in market surveys. The office is 236 North Clark St. Henry's residence address is 4916 Glenwood Ave.

A recent letter from T. W. Churchill informs us that he is considerably busy just now, having more commissions than he can conveniently care for. He has just declined a civil service appointment in tick eradication work in McAlester, Okla., in order to remain in the military service. He has passed examination for commissions in the veterinary service of both the New York National Guard and the regular army so he ought to be seeing service soon and expects to be ordered south with the guard. His address is 332-4 84th street, New York City, from which mail will be forwarded "as only Heaven and General O'Ryan know where I shall be."

'16.
C. N. Winston of Lansing has been appointed second lieutenant in Coast Artillery Corps.

C. J. Couchois, v, is working with the department of public health, of Jackson, Mich.

J. B. Maas, f, is in the final inspection department of the Maxwell Motor Car Co. of Detroit.

W. H. Gillett of Grand Rapids has been appointed second lieutenant in the U. S. Infantry.

M. B. Eichelberger, e, is in the drafting room of the Ideal Engine Co., Lansing, living at 125 E. Kilborn street.

Grace McKinley, who is now teaching in the high school at Ithaca, begins work July 1 in the state dairy and food department laboratory.

Everett Grant Smith has already had one promotion since he received his first commission early in the year. He is now first lieutenant in the 39th U. S. Infantry, Syracuse, N. Y.

H. G. Cooper, a, has decided to continue in the teaching game at Elk Rapids the coming year. He had made all plans to quit but after two raises by the school board at that place he was won over.

Carol Davis finished her year of teaching in the Township High School at Burket, Indiana, the last of April.

She is now at her home, 1915 Detroit St., Flint, and she expects to teach domestic science in a new school in Flint next year.

Earl Mansfield Hough and Miss Julia Church of East Lansing were married at the Central Methodist church, Lansing, June 11. Mr. and Mrs. Hough will live in Lansing where Mr. Hough is associated with his father-in-law, F. E. Church, in the real estate business.

'17.

W. F. Wolfe, a, has taken a position as college buttermaker at Auburn, Alabama.

Dorothy Towne, h, begins work in dietetics July 1 at Ridge Hospital, Evanston, Ill.

Malcolm Brown, a, has gone to work with his brother on the old home farm at Schoolcraft.

Alton M. Porter, a, is at Whittier, California, where he is working on the Leflingwell Rancho.

Clara Forte, '13-'14, finishes her junior year at Teachers College, Columbia University, this year.

Daniel E. Gower left college recently for his home at Farmington, N. Mexico, the first visit home in four years.

M. A. Leech has been named emergency county agriculturist for Mackinac and Luce counties. His address is Newberry.

William C. Keck, v, who finished the work for his veterinary degree at Christmas time, is practicing with Dr. McKercher of Lansing.

Minton S. Nelson, e, is working in the drafting department of the Wickes Boiler Works at Saginaw under H. E. Aldrich, 14. Mr. and Mrs. Nelson live at 118 South 6th St.

Veryl Tyler of Portland, a student at M. A. C. 1913-14, was married Monday, June 11, to Miss Mary L. Vance, of Lansing, a daughter of E. E. Vance, '84. Mr. and Mrs. Tyler will live on the old Tyler farm near Portland, Mich.

"Dick" Sullivan is with the California Fruit Growers' Exchange in Chicago and is rooming at 914 Wilson Ave. He writes that Taggart, '16, Tubergen, '11, and Clare Bird, '19, are rooming within two doors of him and they expect "Dave" Peppard to join them.

Arthur L. Turner, who was with '17-until the end of the fall term 1916, has joined the officers' training corps at Fort Sheridan, Ill. His address is Bks. 8, Co. F. He left the farm that he was opening up in Arkansas as he felt he could be of more use in the army.

Fred S. Hobbs of Benton Harbor joined the naval militia within 20 minutes after reaching home. He is now in training at Grant Park, Chicago, trying for a rating of hospital apprentice, first class. He writes there is a prospect of a short training and immediate service.

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