

*"M. A. C. Cannot
Live On Her Past—*



*What Will You Do
For Her Future?"*

THE M.A.C. RECORD

The Influence of Modern Education
on the Home.

—
State Board Meeting.

—
New Instructors.

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, JANUARY 16, 1917.

NO. 14

WESTERN NEW YORK ASSOCIATION MEETS.

The fifth annual informal meeting of the Western New York M. A. C. Association will be held at Hotel Rochester, Rochester, N. Y., January 25, 1917, at 6:30 p. m. This is during the period of the meetings of the Western New York Horticultural society. Professor H. J. Eustace, head of the Horticultural department at M. A. C., will act as college representative.

LIVE STOCK MEN MEET AT COLLEGE JANUARY 17, 18, 19.

The annual meeting of the Michigan Improved Live Stock Breeders and Feeders' Association will be held at M. A. C. this coming Thursday, Friday and Saturday. The meetings of the general sessions and the various individual breed associations will be addressed by speakers of national repute, several having been scheduled from other states, and the meetings are bound to be red-letter ones in the history of the association.

Of the speakers from away the following are prominent: G. F. Warren, professor of farm management at Cornell University; Professor Plumb of Ohio State University; Professor Jeffery of Duluth, Minnesota; Hugh G. Van Pelt, vice president of Kimball's Dairy Farmer, Waterloo, Iowa; Wallace MacMonnies, chief of the extension department of the American Jersey Cattle Club.

The general program is as follows:

Jan. 17, 5:00 p. m.—Informal reception and joint meeting. Illustrated address, "Report of Recent Studies in the Cost of Milk Production," Professor A. C. Anderson. Banquet tendered by State Board of Agriculture to members of association.

Jan. 18, 9:30 a. m.—"The Farm Building Problem," Dean R. S. Shaw. "The Place of Live Stock Upon the Efficiently Managed Farm," Professor Warren of Cornell. 1:30 p. m.—"Beef Production on Michigan Farms," I. R. Waterbury, editor Michigan Farmer. "The Year's Work in Control of Contagious Diseases," H. H. Halladay, president State Live Stock Sanitary Commission. Parade of draft horses

and Shorthorn cattle in front of Agricultural Building. Draft colt show and judging demonstration in the pavilion of the Agricultural Building.

Meetings of the various breed associations will be held throughout the latter part of the week, the Holstein-Friesian Association meeting first, at 1:00 p. m., Wednesday, Jan. 17. On Thursday morning a meeting will be held to organize a Michigan Live Stock Exhibitors' Association.

NEW INSTRUCTORS.

VETERINARY DIVISION.

The Veterinary division has two new instructors in the persons of Dr. John W. Benner of Kansas and Dr. John I. Handley of North Carolina. These men take the places made vacant by the resignations of Drs. McDaniel and Hutton.

Dr. Benner graduated at Kansas State Agricultural College in 1911 and, after spending a period in practice, served his alma mater for three years as instructor in veterinary medicine and pharmacology. His title at M. A. C. is assistant professor of veterinary medicine. Mr. Benner will live in the house recently completed by Dr. McDaniel.

Doctor Handley has his B. S. and D. V. M. from Alabama. He has had some experience as a practitioner of veterinary medicine and comes to M. A. C. from the new veterinary college at West Raleigh, N. C., where he was associate professor. He received his M. S. from North Carolina last June. He becomes assistant professor of surgery and clinic at M. A. C.

STATE BEE INSPECTOR.

B. F. Kindig, who began work at M. A. C. January 1 as State Bee Inspector, is in part an M. A. C. product, having attended college here in 1905-06 and 1909-10. In November, 1911, he was appointed assistant state entomologist in Indiana for a term of four years and reappointed November 1, 1915. In the State Entomologist office he has given special attention to the bee industry. About two years ago he issued a bulletin entitled, "Information for Beekeepers," which was declared by *Gleanings in Bee Culture* to be the best bulletin yet issued

on the subject by any state or author. Fifty thousand copies of the bulletin, which is not in its third edition, have been distributed. Last March he had charge of the school of beekeeping given by the College of Agriculture at Winona Lake, Indiana. He has kept bees with profit since 1899.

While Kindig's work in Michigan will be very largely bee inspection he will have charge of what courses are taught at M. A. C. in bee culture. This term he will have classes for the short-course men. Kindig succeeds F. E. Millen, who has a position as professor of bee culture at Iowa State.

BACTERIOLOGY.

F. W. Fabian, a graduate of Allegheny College, Meadville, Pa., in 1914, takes the place as instructor in bacteriology made vacant by the resignation of W. L. Kulp. Fabian comes with a fine record from the hygienic department of the Ford Motor Co. He took work in the summer school at M. A. C. last summer where he earned a reputation for scientific work which has secured him the position.

Mr. Kulp leaves M. A. C. to do laboratory work in dietetics in connection with the floating hospital for babies in Boston. He will also take work at Harvard University in bacteriology and physiological chemistry.

PHYSICS.

Sander Stark, a special student at the University of Chicago, who has been preparing for a position in the U. S. Bureau of Standards, has been secured as instructor in physics to take the place of W. A. Melton.

HORTICULTURE.

J. G. France, '11, the very successful manager of Stuart Acres, a large horticultural and general farm at Marshall, is back at M. A. C. this term as instructor in horticulture for the short-course men.

DAIRYING.

F. A. Hagedorn, who graduated from M. A. C. last June and who has since been taking work in dairying at Iowa State College, returns this term as instructor in dairying. Hagedorn was married last July.

(Continued on page 4.)

THE M. A. C. RECORD

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

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TUESDAY, JANUARY 16, 1917.

THE NEW GYM AND PHYSICAL EDUCATION

How shall the new gymnasium minister for the greatest good to the students of M. A. C.? Whatever the answer to this question there is a firm conviction that a new branch of education will be offered at M. A. C. upon the completion of the gymnasium. Whether this shall involve the creation of a department of hygiene and physical education, of which athletics will be but a branch, is not all-important—the matter of organization could not be all-important.

At the outset it should be observed that whatever is done will add to the financial burden of the College. And this at a time when additional financial burdens are not to be taken up hurriedly. But the College will take up this one through a realization of the necessity of doing more for students in the future than has been possible in the past. And, so far as we can see, it seems as if the new system will saddle new and additional courses upon the students—this when the general tendency seems to be to cut down the number of courses. But this additional burden should be born lightly by the students when it is realized that not until some program of physical education is adopted can they pretend to get a balanced college training. And what is more necessary than personal health and a knowledge of conditions which make for both personal and community health?

The new system will necessarily involve physical examination of every student and a tabulation of health measurements, but it will not stop here. It will prescribe training to meet individual needs. It will not confine itself to remedying defects or recommending treatments for disease. It will teach positive measures of hygiene and sanitation. It will involve the assignment of a college health officer who shall have the health of the college family under supervision at all times, and who shall be looked upon as a personal friend and adviser of the individual students.

We shall have more to say upon this question later. Just now it is suffi-

cient to point out that M. A. C. does not need such a system of physical education as would be worked out where there are clinical needs of some department, or where one of the objects of the college is to turn out specialists in physical education. We do need to have our graduates physically efficient as well as mentally and to endow them with an aggressively sympathetic attitude towards modern health movements.

* * *

The responses of the alumni in the discussion of athletic matters has been most gratifying, and the editor feels that the atmosphere has been much clarified thereby. As with every question, however, there comes a time when nothing can be gained by further agitation and we believe that that time has come with this, so with this issue we will be pleased to discontinue for the present the discussion of athletic propaganda.

* * *

It might be pointed out that of the list of county offices available the M. A. C. men, as reported in this issue, have selected the one which would appear to be of most lasting benefit.

* * *

This is the first Record issued since December 19.

NEW INSTRUCTORS.

(Continued from page 3.)

DOMESTIC ART.

Miss Grace Smiley, a graduate of Ohio State University, takes Miss Lisa Osterholm's place as instructor in domestic art. Florence Stoll, '16, becomes laboratory assistant in domestic art. She will also do work for her master's degree.

CHEMISTRY.

R. W. Berridge, a member of the class of 1917, who finished his work last term, becomes instructor in chemistry.

CHICAGO LUNCHEONS.

Every Thursday at 12 noon, M. A. C. people of Chicago meet for luncheon at the Intercollegiate Club, 16th Floor of the Stevens Building. Enter at the Wabash street entrance.

ANOTHER EMERITUS FOR DR. BEAL.

At the meeting of the Council of the American Association for the Advancement of Science in New York City, December 27, Dr. W. J. Beal was unanimously elected Life Member Emeritus of the association. Dr. Beal joined this association in 1868 in Chicago.

Professor H. J. Eustace attended Farmers' Week at Purdue University recently.

STATE BOARD MEETING.

It was given out after the meeting of the State Board of Agriculture last Wednesday that Coach C. L. Brewer, of the University of Missouri, will be the new athletic director of the Michigan Agricultural college, providing he can be induced to accept the position. Several members of the Board, however, indicated that chances are none too bright for securing Brewer but that a committee is communicating with him, and it is hoped to have a definite reply by January 24, the date set for the next meeting of the Board.

The resignation of county agent Zimmer, of Wexford county, was accepted and George E. Piper, a graduate of M. A. C., was appointed in his place, appointment to take effect January 10.

The resignation of Dr. George Shafer, research associate in entomology and secretary of graduate work, was received to take effect at the end of this college year but not accepted. The Board granted Dr. Shafer indefinite leave of absence.

Florence Stoll was appointed half-time graduate assistant in domestic art.

Professor French was given permission to attend the meeting of the National Education Association in Kansas City, February 26.

A new classification was adopted for representatives of the College in relation to traveling expenses.

E. C. Lindemann, C. A. Spaulding, and Anna Cowles of the department of boys' and girls' club work were given permission to attend the conference for boys' and girls' club workers to be held at Ames, Iowa, February 11.

A new girls' society, the Letonian, which was organized just before the close of college last term, was given permission to use rooms of the Feronian society on certain days each week. Permission was given to the Forensic society to occupy rooms now used by the Eunomian society in Williams Hall as soon as they are vacated.

A request of Professor Patton, chemist of the Experiment Station, for the introduction of a uniform feeding stuffs law was indorsed.

The general plan presented by Dr. Giltner for investigational work on swine diseases was approved.

Professor Eustace was allowed an additional man for experimental work. A soils program presented by Dr. McCool was left with him and President Kedzie for settlement.

I. F. Huddleson was granted his M. S. degree.

Professor Sawyer was authorized to employ Mr. Fox and Mr. Knowlton as assistant in electrical laboratory.

'15.

H. J. Field, a, is teaching science and agriculture at Belington, W. Va.



FRED L. WOODWORTH, '98
State Dairy and Food Commissioner

M. A. C. MEN IN POLITICS.

M. A. C. is represented in State politics this year by two men: Fred Woodworth, '98, of Caseville, formerly state senator for three terms, and now State Dairy and Food Commissioner, succeeding James W. Helme; and Henry T. Ross, '04, of Milford, who is serving his second term as representative from his district.

In the county offices to our knowledge there are three county treasurers. W. C. Sanson, '87, is treasurer of Tuscola county and has taken up his residence at Caro. S. F. Gates, '03, is treasurer of Ionia county with residence in Ionia. R. E. Morrow, '98, is treasurer of Antrim county with residence at Bellaire.

MAGAZINE LIST CUT.

Somewhat indicative of the financial condition of M. A. C. is the list of magazines dropped from the library reading room by a recent action of the library committee. This term there will be only about a third as many as usual. No doubt many of these will not be missed but here are a few that will be looked for diligently: Atlantic Monthly, Review of Reviews, American, Saturday Evening Post, Science, Ladies' Home Journal, Colliers, Journal of Heredity, Genetics, McClures. Perhaps there are some alumni nearby who would be willing to contribute their magazines after reading them.

THE INFLUENCE OF MODERN EDUCATION ON THE HOME.

(Extracts from a paper presented before the Michigan Agricultural College Woman's Club, November 13, 1916, by Agnes Hunt Cade, formerly professor of domestic science at M. A. C., together with some statistics collected by the editor from other state colleges and universities of the Middle West giving courses in home economics.)

In presenting this paper before you today I have interpreted the subject "The Influence of Modern Education On the Home" with the view that the sphere of women is in the home.

Conceding this point, will you kindly follow with me the development of education of women in this country? The Colonists, never indifferent to the needs of education, early established so-called colleges with preparatory schools for boys. The only education that a girl might obtain was as an escort for her younger brother to one of these schools or in private Dame Schools; a rather interesting combination of needlework, dancing, and refined manners. These were usually run by some widow for whom this was her sole income. Later came the double-header in which the girls might attend school but in separate classes and separate hours.

The story of the organization of the Boston High School for Girls is given in the "Report of the Commissioner of Education" as follows: "On Sep-



HENRY T. ROSS, '04
State Representative

tember 25, 1825, the council appropriated \$2,000.00 for a high school for girls. The school was instituted January 1825, and, before the end of the second year, had become so popular, the applicants so numerous, so many parents were disappointed that children were not received, the demand for larger and better accommodations involved such additional expenditures, that the school committee, under the lead of the mayor, Josiah Quincy, met the emergency by abolishing the school and pronouncing it a failure. For a period of twenty-three years no attempt was made to revive the subject in either branch of the city council."

Miss Bevier in her book, "The Home Economics Movement," in speaking of the education of girls at this time, says: "It appears that they continued to be 'tender and interesting' without much chance for self-improvement until 1820, the time of the organization of Mrs. Willard's Female Seminary. One year later Catherine Beecher's School was established at Hartford, Conn., and the process by which girls were to be transformed from females to women was well begun. * * *"

Co-education has become an integral part of the higher education of the Middle West, and Far West for that matter. It has been a natural development in this territory and represents the spirit, co-operation, and partnership of the man and the woman who traveled to the new country to found their home and that of their children,

(Continued on page 7.)



B. F. KINDIG
State Bee Inspector

GLEANINGS FROM THE STATEMENTS OF EDUCATORS.

Can anything be done to awaken intellectual interests and to quicken intellectual life among undergraduates pursuing a general course in education? Here is a suggestive reply. Where intellectual interest does not spontaneously manifest itself it may be induced by serious work. We not only learn by doing; we also become interested in doing. Let the faculty insist that students shall work hard, and the students in responding will gradually become conscious of new intellectual interests. The standards of scholarship can be raised if each individual teacher insists on honest work from his students and refuses to lower them for the indolent and the incompetent. The institution which retains idle and incompetent students on its rolls is itself unworthy of the name of college or university. * * *

What is needed in American universities today is a new application of the principle of representative government. The faculty is essentially the university; yet in the governing boards of American universities the faculty is without representation. The only ultimate satisfactory solution * * * is the concession to the professoriate of representation in the board of regents, and these representatives of the intellectual, which is the real life of the university, must not be mere ornamental figures; they should be granted an active share in the routine administration of the institution.

President Schurman, Cornell University, Annual Report.

No instructor who does not appeal to and demand the highest intellectual effort possible by every individual student should have a place on the teaching staff of the Michigan Agricultural College.

President Kedzie, Michigan Agricultural College.

The following extracts are from a letter in the New York Tribune of December 8 by Dr. Joseph A. Leighton, professor of philosophy at Ohio State University:

"In your article, 'The Underpaid Professor,' you touched a sore spot not only on the professor's cuticle, but on American civilization as well. American colleges and universities have lately been subjected to much criticism on the score of inefficiency in teaching and relative unproductiveness in the realm of higher education. A good deal of this criticism is deserved, but the critics have in many cases been blind to the causes. Chief among these are:

"1. The dead weight that the professor has to make head against in the indifference to scholarship on the part of many students and the incompetence of the part of many others. He is expected to wheedle, coax, cajole, prod, or drive to the achievement of degrees a considerable number of students who are in the wrong place * * * The professor's main business, it is quite generally held, is to see that nearly everybody gets through.

"2. The general lack of public respect for high scholarship makes the professor's work to a considerable degree a thankless one. * * *

"3. The first and second causes, powerfully reinforced by the meagerness of the prospective income, keep out of the calling many young men of dynamic personalities and high abilities who would be otherwise attracted to it, and lead to the ranks being filled largely by mediocre men.

"The remedies—So long as *bigness* remains the ultimate American criterion of success there is little hope for improvement. The disposition of the funds and the determination of the policies of colleges and universities are in the absolute control of boards of non-scholars, advised by the president, who may have been once exposed for a time to the 'unworldly' and 'unbusiness-like' infection of mere scholarship and instruction; but, after a few years' hard work as general business manager and envoy plenipotentiary of a growing concern, he has probably thrown off all vestiges of that germ-culture. For the public tests of the success of a university, and by consequence of the success of its administration, are rapid increase in attendance and in numbers graduated, improvements of the physical plant, addition of new departments and courses. Very few outsiders ever inquire or comment on the matter of addition to the faculty of distinguished teachers or scholars. The general public certainly knows much better, and apparently cares much more for, the gridiron stars.

"The institution, in order to keep pace with the times, must expand horizontally by the addition of new courses, departments and curricula. Consequently it cannot grow perpendicularly. * * *

"I cannot conceive any better stroke for higher standards and decent salaries for the professorate that would be made if some large and well known colleges should announce that hereafter they would devote their incomes to paying substantial salaries to men worthy of them; that they would put no classes wholly in the hands of untried men; that they would refuse to multiply courses and add new departments, and that they would refuse to take more students until the increase in income should be sufficient to provide well proven and well paid teachers for them. * * *

"The alumnus might be shocked to read this in the president's annual report: This year we have reduced the attendance by 10 per cent, improving the quality of the work thereby; have abolished the departments of X and Y; reduced the number of courses in sociology to 10, and abolished the school of dendrology. We have thereby been enabled to raise the minimum salary of full professors to \$4,000 and the maximum to \$8,000. We have called Professor A from the college of B at the maximum.

"I awaken with a sudden sense of incongruity. Have I been dreaming of a professor's millennium, of a higher-educational Kingdom of Heaven? It is up to the alumni and the public to say. They are now getting a good deal more than they are paying for. When they pay for more they will get it in good measure, pressed down and running over. The professor, as I know him, has the frailties of humankind, but he is not stingy of time, energy or knowledge."

THE INFLUENCE OF MODERN EDUCATION ON THE HOME.

(Continued from page 5.)

in happiness and prosperity. The university and college of the Middle West, admitting men and women students on the same credentials, are a frank acknowledgment of this spirit. There has never been the fierce struggle of women to prove their mental equality in these institutions that there has been in the east. The lives of such women as Alice Freeman Palmer, Mrs. Ellen H. Richards, and many others are full of the struggles and sacrifices that they made in paving the way for the fuller education of women and are deserving all the approbation that can be given them.

From the time that women entered the educational field in competition with men up to the beginning of the twentieth century the attempt was to prove to the unbelieving and all-powerful man that woman had a brain, that it had grey matter in it, and that it was capable of the same gymnastics as his own. It was a very warm and heated competition, and is still going on in some institutions. Probably such honor societies as Phi Beta Kappa and Sigma Xi have had much to do with the actual proof that the grey matter was of the same or similar caliber.

The modern education which has had its birth with the beginning of the 20th Century and which seems to have the greatest influence for good on the home is Home Economics. It has passed through the formative stages for the most part; it has proved to the public that its existence was justified, that it has something of vital importance to give to the public. This study has not had to prove that it is of equal rank with those of the men but has had to carve for itself the things that will best fit the woman to enter this heterogeneous mass of relationships that have come upon the screen with such rapidity that most of us can look back and see the changes going on in the near past and at present. If such a sane and thoroughly trained mind and brilliant personality as Mrs. Ellen H. Richards had not been at the front in directing the tendencies of the new line of thought in its beginnings, I fear we might still be grouping around more than we are at present trying to see the light.

In no other field of education is the object primarily and paramountly the home, the family, the individual and those other groups of individuals that are fed, clothed, and sheltered. Therefore its influence must be more for the good of mankind in general, and in particular, if it is to fulfill its highest ideals. Miss Martha Van Rensselaer, recent president of the American Home Economics' Association, in an address said: "The purpose of Home Economics is to standardize

home ideals. But since the home is the nucleus of all social life, the problems of Home Economics are not only those of the home and of the community. The ideals of the community, state, and nation all reflect back to home standards."

When we consider that the work has been in existence for a little less than 20 years, it may be a little presumptuous to make too many and startling claims for its influence on the home, lest the future years not bear out its claims. In these years a total of probably not more than 3,000 graduates from the colleges and universities giving the work are the leaven from which this influence has been created—a rather small number when we think of all the millions of people in this country. But consider the work done in all the grades, high schools, normal schools, the agricultural departments of the colleges and universities and the Department of Agriculture and the Bureau of Education at Washington. Surely you will agree with me that the effort has not been without avail. I am coming more and more to believe that the things that stick in the minds of the individual are those things that are learned in the early years. Time after time I have had the experience, when asking a student about some more or less familiar process in the home, even though they may have had the answer to the question in class just recently, they will invariably go back to the time when they saw that process done in the home of their childhood or in the grades. Although educators feel that the time might be better spent in other lines of work in the grades than in Home Economics, I believe then is the time that the greatest influence will be had on the home in the latter years of that child, considering the amount of time spent. Also, then is the only time a large portion of the children can be reached, for later the percentage that enters the schools of higher learning is relatively small.

Great numbers of country people are feeling this influence of modern education on the home through the Extension Departments of the Agricultural Colleges made possible by the Smith-Lever bill. In those communities where clubs and granges have been organized for a few years one finds a greater respect for the home, the women in it, the manner in which those women shall do the work as viewed by the men, and the attitude of the men toward the women in general. Its influence has been that of creating an atmosphere as well as giving so many concrete facts that will be of direct financial benefit to the farmer. * * *

In a great many of our publications and periodicals of today we find the echo of this modern education sometimes very crudely expressed. Some of us wish that it might be more accurately done and wiser choice of sub-

ject matter but it may have its place in shaping sentiment for a better appreciation later on.

On the other hand we find a decidedly favorable change of heart in the true scientist toward this applied science. Formerly where he scoffed at the presumption of looking for relationships between those processes in the home and those of his laboratory he is now hunting out these with great avidity. One has only to look over such publications as the *Science*, *The Journal of Biological Chemistry*, *American Journal of Medical Science*, and *The Journal of Industrial and Engineering Chemistry* to find any number of articles to be used by the student of Home Economics. In fact so great has been the amount of work done in so short a time that as Miss Marlatt of the University of Wisconsin says: "Over night our pet theory becomes another hypothesis that does not work."

It is a regrettable fact that some of our educators have failed to grasp a better view of the subject. This is especially true of the larger women's colleges. A president in her inaugural address before one of the foremost of these colleges said in substance that there was not enough of cultural or intellectual training in either cooking or sewing to furnish a serious course of study for any student. (I suppose she pronounced the *either* with a long i.) Quite in contrast is a noted organic chemistry specialist who, when asked why he did not work more with foods, replied: "They are too complicated for me. I prefer the simpler things."

A prominent professor of social and political economy, J. Q. Dealey, expresses the modern view when he says: "After all, the real solution of the domestic problem will depend not on eliminations and regulations so much, since these have only a temporary value, as on the spread of scientific knowledge aiming at the betterment of economic conditions and general intelligence on the part of the whole population."

Among Home Economics college graduates the influence of this modern education has had a marked effect. Mr. Langdon has compiled figures from the alumni of M. A. C. showing that since the opening of this college to women in 1915 51 per cent of women graduates are married and in their own homes for the most part. That 57 per cent of the married women were married to M. A. C. men. It is hardly giving the last graduates a fair chance to include the last year or two and if the figures included only to 1910 I feel that the percentage would be very materially larger. Out of the number married he did not know of a single divorce case. I communicated with President Kedzie, who has had as long an acquaintance, probably, with the alumni as any one, and he said he did not recall a single one. "I meet them on every hand and

they all have their marriage licenses only."

President Snyder recalled none. The records of other institutions would, no doubt, be of a similar nature. Among the graduates from the University of Illinois between the years 1902 and 1914 I do not know of a single divorce. A large number of those graduated are married and of those who are not married, one finds them doing work directly concerned with the home, that they are independent wage earners and are highly respected.

How should we interpret these figures? Surely it does not mean a quiet submission to the inevitable or an evasion of earning a livelihood. In several instances the graduate has given up an independent salary nearly as large, if not larger, than the one that two would have to live on later. It does not mean a shirking of responsibilities or a lightening of one's labors. Rather I interpret it to mean the more complete understanding of the responsibilities of marriage, including the physical, intellectual and spiritual relationships involved. A desire to experience life in its fullest sense. "A realization that occupation, achievement and character are a trine which compliment each other and make for the highest and best in life. A realization of women's possibilities and that one sees in them a measure of potentiality which is expressing itself in social evolution and progress."

We hear so much about the home disintegrating, due to the effects of women entering the professions, the trades, teaching; the direct result, it is claimed, of higher education. But if we study the situation closely we will see that the form of the home is changing rapidly. The trades thought to be an integral part of the home have practically disappeared from it. They are not one of the essential functions of the home, it would seem. But has the home or family disappeared or disintegrated? From a review of our daily papers in which one notes the predominance of scandal and divorce the question almost appalls one. But there is consolation in the fact that the good things of life are seldom heralded abroad in such large type and for some reason would not make exciting reading for the average public. Mrs. Gilman answers the question rather forcefully: "The more broadly socialized we become the more we need our homes to rest in. The large area is necessary for the human soul—the big modern social nature. But we are still separate animate beings as well as collective social beings. Always we need to return to the dear old ties, to the primal basis, that we may rise refreshed and strengthened like Anteus from the earth. Private, secluded, sweet, wholly our own, not invaded by any trade or work or business, not open to the crowd; the place of one initial and undying group of father, mother and child will remain

with us. These and the real friend are all that belong to the home. * * *

In presenting the following statistics the editor wishes to express his appreciation to those individuals in the several institutions who responded with so much interest to the queries submitted. It would be an extreme position to attribute to home economics courses, as a result of these findings, the solution of the divorce evil. Undoubtedly those who elect a home economics course already have their mind turned largely in the direction of home-making. But the fact that, almost without exception, there are no divorcees among graduates of courses in home economics, shows these courses have a strong tendency to make for happier homes. The statistics and comments which follow are interesting in themselves:

Grad's Married Divor's in H. E.		
Kansas State.....	736	165* 1
Penn State.....	46	8 0
Wisconsin.....	155	31 0
Ohio State.....	see below	
Illinois.....	305	73 1
Purdue.....	185	53 0
State Col., Col.....	144	64 0
South Da. A. C.....	193	116 1
North Da. A. C.....	98	22 0

"Of the number graduated we are sure that 165 are happily married. Of the 241 remaining, we do not have accurate information, but I think it is fair to assume that many of them are teaching or engaged in some phase of business activity, while many others are married."

MARY P. VAN ZILE, Dean of Home Economics, Kansas State Agr. Col.

"Our course in home economics is of very recent development."

R. H. SMITH, Alumni Secretary, Penn State.

"From records from high school work in which I was personally in charge of a four-year course for fourteen years, I can state that now, at the end of 22 years, out of all of the graduates of the school who took our four-year course, I know of but one divorce."

ABBIE L. MARLATT, Director Home Economics, Wisconsin.

"Ohio State has not the information at hand for the women graduates in the Home Economics department. We did make out such statistics for the women graduates in the Art School and I inclose them for their interest: Number of graduates, 886; cards returned, 424; teaching, 253; married, 194, or 45 per cent of those reporting; having children, 134; number of boys, 133; number of girls, 133; average children per marriage, 1.37; having one child, 54; having two children, 49; having three, 17; having four, 8; having five, 5; having 6, one."

CAROLINE M. BREYFOGLE, Dean of Women, Ohio State.

"Previous to the year 1914 70 per cent of our Home Economics graduates were married, and the alarming falling off in the per cent is due to the fact that our classes in this subject were very small up to within the last two years. Counting those who will be married soon out of the recent classes, we can safely say that we will have 50 per cent of our graduates married."

E. M. DOOD, Fort Collins, Colo.

"Perhaps the proportion of recent graduates is somewhat low, but about 70 per cent of the graduates have completed their work in very recent years—67 in the last four years."

ALFRED H. PARRATT, Registrar, N. Dak. A. C.

POSSIBLE SHIFT IN FOOTBALL SCHEDULE.

Since the publication of the tentative football schedule in the last Record there has been at least one important change. This is in the addition of a game with Northwestern University to be played at Evanston, Illinois, November 10, this completing the hardest schedule M. A. C. ever contracted.

While such a schedule is just what the alumni have been demanding, those closely concerned with athletics are not being greatly wrought up over a possible canceling of the Nebraska game for October 27. In fact it looks at the time of going to press as if this would be done. This comes about through cross communications which have been conducted between Nebraska, University of Michigan, and M. A. C., in which Nebraska is also dickering for a date at Ann Arbor. Probabilities are strong that neither Michigan or M. A. C. will meet Nebraska, and then there is a possibility that M. A. C.'s date with Michigan will be shifted to a week later. This will allow the taking on of another small college in the date now scheduled for the Michigan game.

LIBRARY RECEIVES GIFTS FROM YALE.

Through the courtesy of Yale University the library has received a gift consisting of ten volumes of the "Silliman Memorial Lectures." The gift is a valuable one and the generosity of Yale University in presenting these books is greatly appreciated. The titles are as follows: Thomson, "Electricity and Matter;" Sherrington, "The Integrative Action of the Nervous System;" Rutherford, "Radioactive Transformations;" Nernst, "Experimental and Theoretical Applications of Thermodynamics to Chemistry;" Bateson, "The Problems of Genetics;" Campbell, "Stellar Motions;" Arrhenius, "Theories of Solutions;" Verwor, "Irritability;" Rice, "Problems of American Geology;" Iddings, "The Problem of Volcanism."

NEWS AND COMMENT

W. A. Melton, instructor in physics, has resigned to take up work February 1 in combustion engineering for the Commonwealth Power Co. at Battle Creek. He will work with Tom Hooper, '10.

On account of going to press much earlier than usual the Record is unable to give an account of the basketball game played Friday, January 12, with West Virginia Wesleyan. This week Friday and Saturday M. A. C. meets Hope College and Alma at East Lansing. The All-Fresh quintet meets Battle Creek Normal at Battle Creek.

NEW ENGINEERING BUILDING.

Just 10 months to a day after the fire Professor Cory of the Electrical department moved his desk back into his office in the basement of the Engineering building. Work on the basement floor is far enough advanced so that laboratory work in electrical engineering will be conducted this term in the new building. This makes the entire basement of the Forestry building available for laboratory work in physics. The roof of the Olds Hall is now on and work on the interior can be rushed since the building can be heated.

VOLUNTARY STUDY BANQUET.

Professor W. D. Henderson, head of the extension work carried on by the University of Michigan, was the principal speaker at the banquet of voluntary study Bible classes given last Thursday evening at Club D in honor of the class led last term by W. H. Thies, his class having won the contest. It was brought out at the banquet, which was very largely attended by the students, that last term was the banner term of voluntary Bible study, due to the organization of the work by the leaders and the earnest response of the students. This term those in charge will conduct a course in community leadership for the sophomores, juniors, and seniors, having in mind the outlining of the various problems of rural communities.

ALUMNI VISITORS.

Alumni who visited the college during the vacation were: Chas. F. Herrmann, '97, Minneapolis; I. L. Cardwell, '14, Inlay City; Floyd E. Fogle, Urbana, Ill.; P. K. Fu, '15, Detroit; W. S. Beden, '16, Lansing; J. Sam Hartt, '15, La Crosse, Wis.; Mildred Sibley, ex '18, Birmingham; Bert Giffels, '15, Gary, Ind.; I. J. Cortright, '11, Cincinnati; R. J. McCurdy, ex '16, Chicago; Mr. and Mrs. L. B. Gardner, '11 and '12, Detroit; E. C. Krehl, '08, Detroit; Verne Steward, '15, Caledonia, Minn.;

Herman Schrieber, '04, St. Louis, Mo.; E. C. Sanford, '12f, Ogden, Utah; "Hypo" Thompson, Texarkana, Ariz.; Geo. T. Hayes, '15, Monrovia, California; I. J. Woodin, '13, Chicago; M. E. Bottomley, '16, Cleveland; F. M. Bird, '16, Cleveland; H. G. Cooper, '16, Elk Rapids; W. J. Atchison, '15, Muskegon; H. P. Henry, '15, Saginaw; K. S. Clark, '14, Wacousta; R. R. Havens, '15, Lansing; R. E. Menogue, '14, Corinne, Utah; J. A. Blust, '12, Masinasin, Alberta.

AUCTION SALES, JANUARY 18.

On the forenoon of January 18 there will be held in the stock judging pavilion of the Agricultural building a sale of 30 pure bred draft horses. In the afternoon 48 Shorthorn cattle will be sold under the hammer. These sales are annual affairs and are held in connection with the meetings of the live stock breeders and feeders.

Heretofore students at the college have been privileged to mingle with the breeders at will and the result has been that those who really wanted to bid have not been close enough to other bidders to know that bids were actually being made. This year a system of tickets has been devised and admission will only be allowed upon presentation of ticket. Tickets may be secured from Mr. Hudson, farm manager for the horse show, and Prof. Brown of the Animal Husbandry department for the cattle show. Certain tickets will admit to the bidding ring and others to the gallery. It is not the intent of these requirements to bar the student body as at previous sales some of the best purchases have been made by students, but it is hoped that by means of this system a more business-like sale may be conducted.

BASKETBALL TEAM WINS TWO IN THREE IN TRAINING TRIP.

In a pre-season training trip, in which quintets of the Grand Rapids Y. M. C. A., Traverse City Olympics, and Detroit Y. M. O. were met, during the vacation, the M. A. C. five came through with two victories and one defeat. At Grand Rapids M. A. C. won 22-16 and at Traverse City 28 to 27, but lost in Detroit, 29 to 18.

Coach Gauthier, who accompanied M. A. C.'s representatives on the trips, was much pleased with their showing. While the boys are a little green he sees in them the making of one of the best teams M. A. C. ever had in basketball. "Particularly encouraging," said he, "is the way they are developing as basket shooters. In the past we have usually had one man who could shoot baskets fairly well. This year all of them seem to be developing a shooting eye. Peppard, Vevie and Murray are very good."

Men who made the trip to Grand Rapids and Traverse City were: McClellan (Capt.) and Miller, guards; Vevie and Murray, forwards; Sheffield,

substitute forward; Shumway, substitute guard. Frimodig accompanied the others to Detroit and played as substitute center.

VACATION NEWS.

Miss Mabel Long, formerly in charge of gymnasium work at M. A. C., now at Davenport, Iowa, was a guest of Miss Norma Gilchrist during the holidays.

Mr. and Mrs. G. C. Collingwood of East Lansing visited their son, G. H. Collingwood, '11, in Ithaca, N. Y., at Christmas time. Harris is assistant professor of forestry at Cornell University.

Mrs. Charles E. Bessey of Chicago visited her son E. A. Bessey, head of the botany department, during the vacation.

Former athletic director, Chester L. Brewer, spent a day at M. A. C. last week on his way home to Columbia, Missouri, from New York City, where he attended the meeting of the National Amateur Athletic Association. It was his first visit since he left, six years ago.

Students who remained at M. A. C. over the holidays held a vacation dancing party at the Union Literary house January 2. Mr. and Mrs. J. B. Hasselman were chaperons.

Dean White entertained some of the members of the teaching staff at an oyster supper at her cabin the evening of January 2.

President and Mrs. Kedzie spent a week of the vacation in New York City.

CORRESPONDENCE.

Louisville, Ky.

Dear Editor:

For the next four months at least please send the Record to me at Cokers Apts., Louisville, Ky. I am in charge of the reconstruction of eight blocks of double steel trestle and have moved my office to this city to be in closer touch with my work. I ran across C. C. Taylor, '09, today and it seemed pretty good to see an M. A. C. man here, but I guess you can find them everywhere you go.

It seems to me that the adverse criticism of the Varsity Club is due to jumping to conclusions. Not that I agree entirely with them, for I do not, but think that they should be encouraged in their work with proper restrictions placed upon them. * * *

I have noticed that any young man that I have approached has evinced more interest in the quality of the Engineering and Agricultural departments than he has in the football team. How has M. A. C. come to this notice? Through its athletic achievements and the advertising thereby * * * Give the Varsity Club a chance. It may have some bad features, but what system has not?

F. A. STONE, '12.

Editor M. A. C. Record:

I wish to heartily indorse the sentiments conveyed in the letter from "Old Ironsides," published in the Record of Dec. 19. M. A. C. has always been a good loser as well as an excellent winner, and to maintain an estimable average is all that is necessary for the welfare of the institution.

A. M. PATRIARCHE.

Schenectady, N. Y.

Dear Mr. Langdon:

I consider this paper a very interesting sheet, and I await with interest the coming of each issue. Of course, I belong to a class which is now somewhat antiquated and find very little in the personals that recalls past memories, and wish that the old fellows would tell more of their whereabouts, but I suppose they are like myself—they are not changing and therefore one announcement does for a long time.

I read with interest Mr. Kains' announcement of his rapidly accumulating wealth, and have wondered if the recent war activities make him think of the old days he used to tell about when he drilled with the "Queen's Own."

In connection with the subject of athletics, it seems to have taken an active turn in the last two or three issues. I don't profess to know much about it, not being nearby and able to study conditions, but while it is true that the eastern universities get a good deal of advertising from their athletic activities, it would seem to me that an institution like ours would tend to keep within a conservative path and develop athletics from the standpoint of the greatest good to the greatest number.

I congratulate you on the picture of the Washington banquet. It was the best reproduced photograph that I have ever seen and hope you can get more like it.

I am hoping to be with you at the reunion next year, and I trust that our class, while few in numbers, may be able to make enough noise to know that we are celebrating an event in our history.

L. C. BROOKS, '92.

Hillsdale, Michigan.

Dear Editor:

It has been my privilege to coach high school athletic teams during the past six years. In that time I have come in direct contact with scores of boys from various high schools, and have been able to get their viewpoint on the subject of athletics.

In my opinion, boys seldom choose the college which they expect to enter because of the prowess of the athletic teams representing that college. It is but natural that they will be interested in the standing of that college in the athletic world, but that

standing will not overshadow the type of academic work offered.

To present to the boy, then, the subject of athletics as an inducement for him to enter M. A. C. is a matter which should be given careful consideration. To unduly emphasize his chance of "making a team" is dangerous. The offering of "promises" to him should be carefully guarded.

R. A. TURNER, '09.

College Park, Md.

Editor Record:

Being so far from the campus I do not know the details in regard to athletic matters, but I do believe that we should have a Director of Athletics who can, and will, put the fighting spirit into those who go out upon the football field, the diamond or the track. The spirit—to win if possible—but to lose, fighting to the last a clean fight.

Winning teams in athletics are undoubtedly a source of college advertisement. These teams, however, should be made up of bona fide students whose records as students are above reproach. I believe that it is possible to have winning teams without having the charge of mercenarism brought by those who think that athletes of known high school ability were unduly influenced in their selection of a college. If the standard is kept high at college; if the alumni around the state see to it that the advantages of our M. A. C. are put before the graduating classes at each of the high schools, these graduates and athletes will not need to be visited with added inducements to make M. A. C. their Alma Mater. If a good athlete who has "star" ability and a desire to attend at M. A. C., but whose financial means are small, comes with the ambition to work his way through and special favors are shown him in regard to hours and wages, then I believe an injustice is done, not only to him but to those other students of ability but small financial means who desire to work their way through but have no favors shown them. They should all stand equal in this regard, and if favors are to be shown at all, I believe that they should be shown to that student who is working for something which will bring back credit to M. A. C. in the years of the future, rather than to one who will bring but temporary renown to the college.

Let us have an Athletic Director who is a Director not only in the producing of teams, but in the use of that new gymnasium for the good of the majority who cannot or do not have the time to go out for athletics; let us have winning teams; let us have more and more students; let us have a true college spirit throughout—but set high above all else, let us have the things said of M. A. C. be things that each and every one of us shall be PROUD.

G. P. SPRINGER.

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A L U M N I N O T E S

'74.

Henry A. Haigh of Detroit is the donor of a beautiful memorial window, a tribute to the founders of the parish, to Christ Church of Dearborn. (Dearborn was Mr. Haigh's boyhood home and is now his summer home.) Memorial and dedicatory services were held early in December. The first church services in that community, out of which grew the present organization, were held in the old Haigh residence from 1863 to 1867. Richard Haigh, father of Henry A., Richard, Jr., '69, and George, '61, was one of the early wardens of the church.

'81.

Under date of December 23, A. H. Voight of Los Angeles writes the Record as follows: "I had the pleasure of a call from Frank Benton, '79, who will be remembered by all of the class of '81 as our professor in French, as well as some other subjects. He tells me that he will be here for some time visiting his son and at the same time taking a much needed rest for the benefit of his health."

'87.

C. B. Waldron, dean of agriculture at North Dakota Agricultural College, is president of the Tri-State Grain and Stock Growers' Association which holds its eighteenth annual convention at Fargo this week.

'89.

P. G. Holden, head of the extension department of the International Harvester Company, gave a spirited address at the meeting of the Open Forum, Prudden Auditorium, Lansing, Jan. 7. His topic was: "Each For All and All For Each."

E. A. Holden is being favorably mentioned for the position of insurance commissioner under Governor Sleeper. Mr. Holden is an insurance man of long and successful experience and would bring to the office qualifications of character and experience of high order.

'95.

A. C. MacKinnon of Bay City is now in California, having been called there by the illness of his mother.

'05.

Lillian Maynard Taft and Harry Morton Sage were married at the Taft residence, East Lansing, December 27, 1916. They live at 300 Clinton street, Columbus, Ohio. The bride has been dietitian in the Homeopathic hospital at Ann Arbor, where she met Dr. Sage, who is a graduate of the University of Michigan. Dr. Sage now has the clinic in eye, ear, nose and throat at the Homeopathic Hospital, Ohio State University, and in addition a private practice in Columbus.

Bruce C. McAlpine died at the city hospital, Jackson, December 27, after a brief illness, death resulting from

complications caused by a carbuncle. He is survived by a widow. Deceased was mechanical engineer and chief draftsman at the Frost Gear and Forge Company.

'06.

H. S. Reed, a, of East Lansing, instructor in chemistry at M. A. C. 1902-11, has spent much of his time the past year with chemical firms in the East working on the dye industry, and is now chemist for the Lansing Chemical Co. This is a new organization, backed by Lansing capital, and is building commodious quarters near the Lansing Gas Works.

'09.

A son, David Waite, arrived at the home of Mr. and Mrs. David Lee Boyd, Albion, December 17.

A card from Reuben Esselstyn Wood, class of 1937, announces the arrival of a sister, Mary Hope, at the home of Mr. and Mrs. Frank E. Wood, Lansing, on December 26.

A Christmas card came from Mary Mariben Allen from Tacoma, Washington, one of the points on the tour of the Chicago concert company, with which she is traveling as vocalist.

'10.

Irving Gilson, f, assistant professor of forestry, expects to sever his connection with M. A. C. at the expiration of his contract this year and go into the lumber business in East Lansing. He has bought land for his yards at Trowbridge, and, in addition to dealing in lumber, will make cement blocks and handle roofing and builders' hardware. Material for sheds is already on the way and he plans to open up business sometime in March.

'11.

A daughter, Aino Geraldine, was born January 5 to Mr. and Mrs. U. S. Crane of Fennville.

A son, Herbert Imlah, Jr., was born to Mr. and Mrs. H. I. Duthie at the Butterworth Hospital, Grand Rapids, December 24.

'12.

Mr. and Mrs. Bernard J. Riordan are now living in Detroit at 170 E. Grand Boulevard. Mrs. Riordan was formerly Miss Sara VanDervoort.

D. F. Fisher, who has been doing investigational work on fruits for the U. S. Government in the Wenatchee valley, Washington, is now in Washington, D. C. He and Mrs. Fisher (Alida Dearborn) expect to be able to stop at M. A. C. on the return trip West in February.

'13.

Madge Lamoreaux of Grand Rapids has accepted a position as instructor in domestic art at the University of Illinois, to begin with the second semester.

'14.

J. F. Seibert, f, has recently moved from Midland, Ontario, to Iron River,

Mich., where he is with the Diamond Land and Lumber Co.

George Gilbert, a, who has been farming at Lake City, Mich., has accepted a position as principal of the high school at Gladwin, Mich.

James C. Johnston, f, has accepted a position as helper in the open-hearth furnaces of the Midvale Steel Co., at Coatesville, Pa. His local address is 135 South 3rd Ave.

G. F. Leonard, a, entomologist with the Kentucky Tobacco Products Co., is doing considerable lecturing this winter in connection with horticultural meetings in Pennsylvania and other states. In a sample program of a meeting at Bendersville, Pa., we find the names of S. W. Fletcher, formerly professor of horticulture at M. A. C., now head of the department at Penn State, and C. E. Bassett, sp. '82, of the U. S. Department of Agriculture, on the program as well as Leonard.

'15.

A son, Howard Patrick, Jr., was born to Mr. and Mrs. H. P. Henry at Saginaw, January 4.

Porter R. Taylor, a, who is with the California Fruit Growers' Exchange, spends most of his time in an automobile in the triangle between Pittsburg, Philadelphia, and Washington. His postoffice address is 139 S. Third St., Philadelphia.

Contrary to previous notices in the Record, which were to the effect that Kris Bemis would spend the winter in California, he has accepted a position with the California Fruit Growers' Exchange and is now stationed in Philadelphia with the same headquarters as "Pete" Taylor.

'16.

Laverne Jones, h, is teaching domestic science in Holland.

Henry A. Goss, a, has directed that his Record be sent to Earle Farm, Middleville, Mich.

R. J. Johnson, f, is at present with the Dalkena Lumber Company at Priest River, Idaho.

Grace McKinley, h, has Florence Stoll's position as teacher of domestic science at Ithaca, Mich.

Harvey Carrington, ex '16, now has charge of the Jackson branch of the Indiana Oil Co. at Jackson, Michigan.

Mrs. R. J. McNair formerly Miss Bertha Puhle of South Boardman, Mich., has ordered her Record sent to Union, New York.

R. W. Garrett, ex '16, has charge of one-third of Michigan for one of the largest book concerns in the Middle West. His headquarters are at Battle Creek.

F. M. Bird, a, is with the California Fruit Growers' Exchange in Cleveland. He is rooming with Bottomley at 6401 Euclid Ave. Bottomley is now representing the Independence Nurseries.

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