

MARCH 5, 1920.



VOL. XXV.

No. 22

The M·A·C RECORD

The Union Memorial Building Fund by Classes.

The Chemical Engineering Department by Prof.
H. S. Reed.

Aggie Basketmen Humble Michigan, 34-27.

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live on Her past-*



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THE M. A. C. RECORD

VOL. XXV.

EAST LANSING, MICHIGAN, MARCH 5, 1920.

NO. 22

A GREAT MANY from the college turned out Wednesday evening to hear General Leonard Wood, candidate for the republican presidential nomination who spoke at Prudden auditorium in Lansing. The college was also well represented at the informal dinner tendered General Wood by Lansing business men at the Downey Hotel at 6 o'clock. Judge C. B. Collingwood, '85, presided at the meeting and Fred L. Woodworth, '98, who has been announced as in charge of the general's campaign in Michigan was among those at the honor table.

THE RURAL RECREATIONAL and Social Club, which was recently organized among M. A. C. students, has been asked to stage a "Little Theater" at the Michigan State Fair in Detroit next fall. Several one-act plays will be presented at that time. Dr. Ward Giltner will address the club at its regular meeting next Monday night, March 8.

ONE FEATURE of the Short Course commencement exercises was the first Annual Livestock Judging contest. Four teams of five men each did the judging, and the interest was keen. Prizes were donated by Wayland D. Stearns, a second year Eight Weeks man from Detroit. Mr. Stearns has also made an endowment of \$50 a year for the next five years for use in furthering Short Course interests. Prizes for contests, assistance to needy students, and increasing attendance were given as acceptable uses. This has been the most successful year from point of attendance and variety of courses given, in the history of short courses at the college. The attendance to date totals 604.

AT A RECENT CONFERENCE of extension leaders held in Des Moines, Iowa, the following M. A. C. people congregated: Edna V. Smith, '03, Barbara Van Heulen, '10, R. A. Turner, '09, Chester Spaulding, '14, "Dad" Roland, '15, Lytton Calrow, '18. Dr. Eben Mumford, state leader of county agents, and Miss Maud Gilchrist, formerly Dean of Women at the college.

A SPECIAL COMMITTEE of the Michigan State Fair Association met at the college on February 26, for the purpose of investigating educational exhibits to be put on at the various fairs next fall. Alexander MacVittie, '11, of Caro, R. V. Tanner, '09, of Hastings, and C. E. Atwater, '18, of Gladwin, all county agricultural agents, were here for the meeting.

TAU BETA PI, the honorary engineering fraternity, completed the in-

itiation of five members Wednesday, February 25. The new men selected were K. A. Weston of Traverse City; H. J. Plumb, Concord; E. D. Menkee, Belding; H. Y. Hartley, Washington; and W. F. Mallock of Ecdnaba. The ritual ceremony was held in the fraternity rooms in Olds Hall, followed by a banquet and program at the Wildwood. "Skinny" De Young, formerly with '18, was toastmaster, and "Sherm" Clark and W. F. Mallock, also formerly with '18, responded to toasts. Dean Bissell was one of the speakers. On Monday evening, the members of the chapter, with their guests, formed a theater party to see "Three Faces East," at the Gladmer.

A BAND CONCERT will be held in the armory on Sunday, March 7, at 3 p. m. These were planned for every week during the winter term, but because of the influenza epidemic, and the turning over of the Music Center for a pest house, practice was delayed.

A. H. JOHNSON, '22, of Jacksonville, Florida, was M. A. C.'s delegate to the National Scabbard and Blade convention held at Purdue university, February 18, 19, and 20. The purpose of the convention was for the reorganization and reestablishment of the fraternity, which was greatly affected during the war, and for the election of new national officers. Resolutions which were drafted by the committee put the Scabbard and Blade on record as endorsing universal military training and favoring summer camps. The National Convention of 1922 is to be held at M. A. C.

ELIDA YAKELEY, registrar, returned from a five-weeks' ocean trip on February 21. She stopped at Porto Rico, Curacao, La Greayra, and Puerto Cabello, but most of the time was spent on the ocean. On the way to New York she met Edward C. Krehl, '06, of Detroit, who was on his way to Philadelphia, and in New York she had a visit with W. B. Liverance, '07. On the train coming back from New York she was surprised to see Bob Wallace, with '08, of Saginaw, who was also on his way home from New York.

SATURDAY, MARCH 6, will be student election day on the campus. The Women's Student Council will have charge of the balloting for women in the Women's Building. The men will cast their ballots in the reading room of the engineering building, under the supervision of the Men's Student Council. At this time all general student election officers for the coming year are elected. These will include editors

and business manager of the Holcad, yellmaster, football, baseball, basketball, and track managers, new members for Men's and Women's Student Council, M. A. C. Union, and Liberal Arts Union. The election promises to be a spirited one.

ALTHOUGH PLANS are well under way for the first six weeks' summer school session to start immediately after commencement as has been the custom in past years, a second summer school later in the summer has not yet been decided upon. This was established last summer for the benefit of students who were behind in their work because of military service, and if enough students care to remain over for a second summer session this year the authorities are willing to give the work. In addition to the regular summer school, the Sixth Ministerial and Layman conference will be held for one week during the first six weeks. An attendance of 250 to 300 is expected. During the first and second week, the Boys' and Girls' Club department will hold a conference, at which boys and girls from all over the state will be in attendance.

THE RIFLE TOURNAMENT which has been shooting at the college for several weeks, finished on Wednesday, February 25, with the Freshman Infantry, the winners. Eleven teams competed, with the Faculty team finishing second. The highest score made by the Freshman Infantry was 1299, and the highest individual score of 281 was made by Rieman, a freshman. The highest faculty score, 266, was made by Dr. deZeeuw of the botany department. Individual members are trying for the All-College championship this week. The records for the gold medal match will be fired on March 8, 9 and 10. The banquet for the winning teams and winning individuals will be held at the Hotel Downey on Friday evening, March 12.

FIFTY RUSSIANS registered for the second truck and tractor course which opened at the college Monday morning. The men are graduates of the Russian Co-Operative Automobile school of Detroit and have come to East Lansing to add to their knowledge of American automobile design and construction.

THE VARSITY BAND will be one of five bands to play for the window display in Lansing on "Window Night," March 9. This event marks the spring opening in the city, and displays and music will be the features of the evening as is the custom now in a great many cities.

THE M. A. C. RECORD

Entered as second-class matter October 30, 1916, at the post office at East Lansing, Michigan, under the Act of March 3, 1879.

Published every Friday during the College Year by the Michigan Agricultural College Association.

W. K. Prudden, '78, Lansing, President
E. W. Ranney, '00, Greenville, Vice President
H. H. Musselman, '08, East Lansing, Treasurer
C. W. McKibbin, '11, East Lansing, Secretary and Editor
May E. Foley, '18, Assistant Secretary
Members of Executive Committee:
Elected at Large,
A. C. McKinnon, '95, Bay City,
Anna Cowles, '15, East Lansing,
Alexander MacVittie, '11, Caro.

MEMBERSHIP IN THE M. A. C. ASSOCIATION which includes subscription to the Record, \$2.00 PER YEAR.

Make Remittances payable to the M. A. C. Association.
Unless members request a discontinuance it will be assumed that a renewal of membership is desired.

FRIDAY, MARCH 5, 1920.

CAMPAIGN PROGRESS.

Influenza—at its height during Drive Week—hit the campaign hard but in spite of it the Fund is practically half raised. Many local committees have not been able to make any personal campaign because of illness and flu among their committeemen and throughout their territory. In many Michigan counties, chairmen are waiting for clearing weather and better roads so that they can get around to everyone.

The total amount comes from less than 800 subscriptions. We have 4,500 on our lists who can be considered prospective subscribers. In other words, 17% of M. A. C. people have "kicked in." 83% haven't been heard from at all. With 17% of our people giving we have barely scratched the surface yet, but from the "pay dirt" on the surface, we know there is real gold underneath and it is simply a matter of going in after it. Our committees adopted a watchword to "give every Michigan Aggie a personally presented chance to give to the Memorial Building." "Dad" Roland, '15, out in Missouri where they have to be shown, says, "We are going to get something from every one in this region before we will quit."

Let's all get into the same wagon with "Dad" and drive on. There are 83% more to work on.

Almost every college and university in America has a drive on for memorials, or buildings or endowments. Alumni and former students of M. A. C. would surely feel out of it and behind the times were they not called upon to do something for Alma Mater. There are no institutions with a more worthy purpose than our own. When we hear other college men and women talking of their fund cam-

paigns we can take pride in being abreast of the times in alumni endeavor.

GAUTHIER '14 LEAVES COLLEGE.

George E. Gauthier, '14, assistant athletic director and coach of football, basketball and track teams at M. A. C. for the past six years, has tendered his resignation to the college and will leave M. A. C. early in April to take up work as municipal athletic and recreational director at Bay City. This work will include the organization of athletics and physical training in the schools as well as throughout the city.

The position is a new one just created by the city and is closely connected with the community athletic and physical training work that is now being organized by the national government.

About the campus, the assistant director has been known to ten years of Michigan Aggies as "Goochie," and has won a place in their hearts through his love for clean sportsmanship, his clean-cut, businesslike demeanor and the energy and pep with which he has pushed many Aggie teams to victory. He was a member of the winning football teams of 1911, '12 and '13 and is considered the best quarterback that has ever generated an Aggie team.

Immediate steps are being taken by the Athletic Board of Control to replace the large-sized vacancy that he leaves in the athletic staff. That there will be difficulty in lining up someone suitable to fill his shoes was evidenced at this week's meeting of the board, for not only has he done the major part of coaching football and track athletics for M. A. C., but he has had the entire charge of basketball and is held to be supreme in this sport in this section of the country. The success with which M. A. C. basketeers have met in the past several years testifies of his ability in this branch.

He expects to leave for his new work early in April. The college family will greatly miss both Mr. and Mrs. Gauthier (Evelyn Harbottle, '14), who have been very popular among both faculty and students.

THE FUND BY CLASSES.

On February 28 the Union Memorial Building Fund stood as follows by classes. At that time but 17% of the graduates and former students had subscribed according to the alumni office records, although a number of local committees had not reported their results and many have not yet had an opportunity to carry on their local campaigns, because of the influenza epidemic. Under the column of subscribers are included former students, as well as graduates, but the

number of living graduates are given as an indication of the size of each class.

How does your class stand? What per cent are givers? What per cent haven't made a subscription? What rival classes are ahead of you? How long are they going to be ahead?

	Living Grads.	Subs.	Amount
'61.....	*	1	\$50.00
'64.....	5		
'66.....	2	1	5.00
'67.....	5	1	50.00
'68.....	2		
'69.....	4	4	205.00
'70.....	5	4	1,950.00
'71.....	4	1	5.00
'72.....	3		
'73.....	8		
'74.....	13	3	1,035.00
'75.....	11		
'76.....	13		
'77.....	13	3	1,040.00
'78.....	18	2	5,000.00
'79.....	13	3	175.00
'80.....	6	1	50.00
'81.....	25	4	360.00
'82.....	22	5	1,355.00
'83.....	21	5	325.00
'84.....	25	8	2,450.00
'85.....	23	3	425.00
'86.....	23	7	1,880.00
'87.....	16	3	120.00
'88.....	25	6	910.00
'89.....	36	12	3,875.00
'90.....	23	6	585.00
'91.....	31	6	450.00
'92.....	23	5	280.00
'93.....	38	6	1,930.00
'94.....	20	2	55.00
'95.....	30	6	1,730.00
'96.....	27	4	150.00
'97.....	29	5	350.00
'98.....	27	6	440.00
'99.....	27	4	235.00
'00.....	20	7	965.00
'01.....	39	13	2,745.00
'02.....	54	15	915.00
'03.....	57	13	950.00
'04.....	52	22	1,539.00
'05.....	74	14	861.00
'06.....	72	8	575.00
'07.....	93	15	1,320.00
'08.....	81	18	863.00
'09.....	96	46	2,415.00
'10.....	93	20	905.00
'11.....	126	48	2,288.50
'12.....	161	35	1,786.00
'13.....	165	53	2,166.00
'14.....	200	63	2,611.00
'15.....	222	52	1,553.00
'16.....	248	59	2,263.00
'17.....	259	70	2,466.50
'18.....	159	55	1,167.00
'19.....	160	31	1,200.00
'20.....		5	180.00
'23.....		1	100.00
Friends.....		9	1,725.00

THE ALUMNI of Johns Hopkins have organized a varsity club, the object of which is to promote interest in school athletics in the alumni and broaden the scope of the university's athletic campaign.

DETROIT ALUMNI PLANNING ACTIVITIES.

As a preliminary to a series of social events and get-togethers to be held during the coming spring and summer, alumni and former students living in and near Detroit will hold a smoker and buffet lunch at the Fellowship Club, Washington Boulevard, on Friday, March 12, at 8 p. m.

The Detroit M. A. C. club is a little over a year old as it is now organized. Since its reorganization, the officers and members have been working to develop a real M. A. C. spirit and to put the college on the map in Detroit in such a way that the citizens in this part of the state will realize that there is a real, live institution in East Lansing. That these plans are beginning to bear fruit is shown, for instance, by the large gatherings each Wednesday for luncheon at the Board of Commerce.

In order to develop the old spirit to a still greater degree, every alumnus and former student in this section of the state is invited to attend the smoker and buffet lunch on March 12 where each one will be given an opportunity to express his ideas as to methods to be employed in arousing interest in the college and also as to ways and means of making the Detroit Association more effective.

A special invitation is extended to those who are unable to come to the Wednesday luncheons and to those from out of town who are in the city on that evening. A rousing good time is assured to all comers.

NORTHEAST MICHIGAN ALUMNI TO MEET.

The Northeastern Michigan M. A. C. Association which has been dormant for a period is reviving M. A. C. enthusiasm for a meeting at the Canoe Club at Saginaw on Monday evening, March 6, at 7:30.

Because of the numbers of M. A. C. people in both Saginaw and Bay City, the Northeastern Association has had its interest more or less divided of late and now contemplates

the dissolution of the Northeastern Michigan into a Saginaw and Bay City Association. It is probable that the new associations will be placed on their feet at this meeting.

E. W. Ranney, '00, campaign director for the Michigan district and Director Brewer of the college, will be the Association's guests at the meeting.

Alumni and former students in the vicinity are invited and should communicate at once with Daniel H. Ellis, 616 Owen St., Saginaw.

CAMPAIGN NOTES.

ANNA COWLES, '15, FINDS SUBSCRIPTION CARD IN N. Y. SUBWAY. "SOME CIRCULATION," WE'LL SAY.

"I found a blank subscription card in the subway this morning and you must know that it acted as a most vigorous reminder of the fact that the campaign was on and that my pledge for the Memorial Building hadn't gone in to East Lansing. So here it is."—Anna Cowles, '15.

J. B. COTTON, '86, MAKES UNIQUE PLEDGE.

Joseph B. Cotton, '86, of New York, has made a rather unusual subscription to the Memorial Building. Following graduation Mr. Cotton taught mathematics at M. A. C. for two years. His salary was \$500 a year. In making his pledge of \$1,500 to the Building Fund Mr. Cotton calculates that it represents his two years salary plus accrued interest on the amount since that time.

CLASS OF '18.

Let's Go! The June 20th Record showed only one subscription from our class—that of our one girl Ag. Hazel B. Deadman. We have well over 200 members and should average \$25.00 each. Let's set our goal at \$4,000.00 and then beat it.

WILLARD M. COULTER,
Ag. Sec.

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\$5,000—W. K. Prudden, '78.
\$2,000—Clarence E. Smith, '84, Mr. and Mrs. J. W. Beaumont, '82.
\$1,500—Joseph B. Cotton, '86; Geo. J. Jenks, '89.
\$1,000—W. H. Vandervoort, '89; W. L. Harvey, '93; O. E. Soverign, '01; Horace Thomas, '01; H. A. Haigh, '74.
\$500—Roswell Lillie, '70; A. C. Bird Estate; F. C. Miller, '70; Jas. S. Holden, '93; Frank Johnson, '95; C. W. Garfield, '70.
\$400—E. J. Krauss, '07.
\$300—Mrs. A. Taylor, '88; O. J. Root, '89; Ray Stannard Baker, '89; Mrs. Jessie Beal Baker, '90; Frank Leonard, H. Spurr, '15, Dr. W. J. Beal.

\$250—A. C. McKinnon, '95; C. B. Collingwood, '85; Jas. S. Mitchell, '95; Mr. and Mrs. C. B. Cook, '88; H. R. Parish, '95; A. H. Phinney, '70; H. D. Hahn, '04; Arthur Lyon, '00; W. P. Robinson, '05; Z. E. Colby, '09; E. W. Ranney, '00.

\$200—A. C. Burnham, '93; D. L. Porter, w'04; E. E. Gallup, '12.

\$150—Earl P. Robinson, '07; H. B. Gunnison, '00; Harriet Moore, w'05; Mr. and Mrs. H. L. Jacklin, '13; J. I. Loop, '03; A. C. Anderson, '01; A. W. Wilson, '07; Harry E. Saier, '11; Prof. R. K. Steward, Mr. and Mrs. Frank Wood, '09; Tracey H. Kay, '11; Clara S. Roe, '11; Edwin Smith, '12; D. D. Henry, '12; M. H. Shearer, '16; F. F. Bailey, '13; Byron S. Palmer, '81; Geo. C. Monroe, Arthur D. Baker, '89; Alto Slayton, '98; P. G. Holden, '89; Oren W. Read, '14.

\$125—Howard H. Smith, '95.

\$120—Coral R. Havens, w'01; W. L. Rossman, '89; Harvey Sass, '18; Jas. C. Johnson, '14; Arthur Adelman, '04; Verne Steward, '15.

AGGIES HUMBLE MICHIGAN.

With a return to early form, the Michigan Aggie five downed Michigan under a score of 34 to 27 at East Lansing, Saturday night. The Green and White grabbed at the beginning of the game, and although they were tied twice in the second half, they never allowed the blue-clad athletes any advantage. It was the second game of the season in which the Aggies triumphed decisively over the Ann Arbor quintet.

A crowd that completely filled the big gym and which in numbers hovered around the three thousand mark saw the Gauthier men issue their defeat to Michigan.

"Chuck" Higbie, Aggie forward, dominated the list of individual scorers with a total of sixteen points. The veteran tosser had his eye with him, all the way and very few of his attempts went wild.

Karpus, the Michigan star who has just returned to the Yellow and Blue squad after a period of ineligibility, followed Higbie in the scoring with thirteen points. With a total of ten points, all scored from the field Eddie Gilkey, the little Aggie forward, came next on the list.

Kurtz again played his brilliant and consistent defensive game and at the same time managed to get under the basket for a trio of goals.

Scoring started in the first few minutes of the game. The ball was tossed in the center, Foster got the jump and after two short passes had given him the ball immediately under the Michigan basket shot for the first two points of the game. The clocklike regularity with which the play was worked convinced the fans that the Aggies were back on the game and brought them to their feet with a roar.



At the end of the half the score was 16 to 15 with the Aggies up. Both teams started at the same hot pace in the second period but for several minutes there was no scoring, finally the Aggies crawled to 20 points with the Wolverines trailing close behind.

Michigan failed to threaten the Green and White again and the game traveled the remaining few minutes with the margin increasing regularly.

M. A. C. (34) Michigan (27)
 Gilkey R.F. Karpus
 Higbie L.F. Weiss
 Foster C. Dunne
 Kurtz R.G. Rea
 Garratt L.G. Wilson
 Field goals—Aggies: Higbie, 6; Gilkey, 5; Kurtz, 3; Foster. Michigan: Karpus, 4; Dunne, 3; Weiss, 2; Henderson, 2.

Referee—Fields, Grand Rapids Y.

IN THE DEPARTMENTS.

The chemical engineering department is comparatively new having been established during the war. We feel that alumni engineers will be particularly interested in learning of the work that is being done, and pleased with M. A. C.'s progress in engineering lines, represented by its establishment. The laboratories, fitted with the most up to date industrial equipment, are ranked among the best in any institutions in the country.

Chemical Engineering.

BY

PROF. HARRY S. REED, '06.

The basic science of chemistry has always been a required subject of all students of M. A. C. The courses in chemistry instigated by Dr. Robert C. Kedzie and amplified by his son, Dr. Frank S. Kedzie while being based on scientific foundations were so presented to the student to emphasize the practical applications of the science. Largely through the influence of these two men the teaching in the chemistry department has always been to give the student theoretical knowledge but at the same time teach him to do something useful. The chemical engineering course is the outgrowth of this idea coupled with demand of the times for specially trained men of this character.

Practically all industry is dependent in some measure on the services of the chemist. It is estimated that one-fourth of the industries are directly dependent upon the services of the chemist or chemical engineer. In the United States there is one chemist to every five thousand people and one chemical engineer to every fifty thousand. The opportunities for technically trained chemists are therefore apparent.

The economic necessity of the chemist and chemical engineer was

forcefully impressed on the American public during the war. During the four years following August, 1914, the American chemical engineer accomplished results never even approximated before in the development of industry. In four years he expanded old factories and built new ones involving expenditures of hundreds of millions of dollars until explosives, gases, dyestuffs and hundreds of other chemical products were manufactured in sufficient quantity to supply America's needs as well as those of the other countries who fought against Germany.

In the United States at one time there were twenty-six flourishing companies manufacturing intermediates and dyestuffs. Germany crushed this industry so successfully that in 1914 there were but six and they mostly manufactured finished dyes from intermediates imported from Germany. Since 1914 the American chemist and chemical engineer have stripped Germany of her tremendous chemical grip in this country and established on a firm basis our own chemical independence. The United States now holds chemical supremacy in the world and to maintain this the colleges and universities must do their share by supplying technically trained men.

The above accomplishments, of course, were brought about by war necessity but they have produced results more far reaching than to supply needed materials caused by the war cutting off previous channels of supply. The whole business interests of the country have been impressed by the value of the chemist until there is practically no business which at sometime in some form does not employ the services of the chemist—even to the bankers. Some years ago the banker and the chemist were as far apart as may be imagined. In those days the chemist took his somewhat inadequate monthly stipend to the bank and deposited it on the last day of the month only to check it all out again on the next day. This constituted about the only business relation between the banker and the chemist excepting that the chemist occasionally received a notice of overdraft. However, nowadays many big banks retain chemists permanently on their staffs. Loans are granted or refused upon the advice of the chemist as to the probability of success or failure of plant operation, processes, markets, etc.

The positions which the chemist is required to fill are very diversified in character. M. A. C. chemical engineers are trained in such fundamentals as will enable them through experience to attain such positions in the chemical industries as analyst, foreman, superintendent, technologist, consulting chemical engineer, works manager, general manager, etc. The first two years of the course so far as chemistry is concerned are devoted

to general academic work teaching the fundamentals of chemical science and including a thorough ground knowledge of quantitative analysis. The last two years are utilized in the study of technical subjects as metallurgy, fuels, and the manufacture of typical industrial chemicals. Two classes of difficulties continually beset the industrial chemist, chemical and mechanical. Therefore to round out his training the student is required to take such subjects in the mechanical, electrical, and civil engineering departments as are necessary.

To insure the chemical engineer who graduates from M. A. C. the greatest opportunity for success we believe it advisable to familiarize him with what he will be up against in industrial life. So the college has thoroughly equipped two laboratories for chemical engineers. One the metallurgical and fuels laboratory in the Engineering building and the other the industrial chemical laboratory back of Wells Hall. The metallurgical and fuels laboratory contains such equipment as a complete microphotographic outfit, calorimeters, electric furnaces, pyrometers, etc. The industrial chemical laboratory is in two divisions. The first where the student prepares a certain typical industrial chemical on a laboratory scale, the second where he prepares the same product on a semi-manufacturing basis and becomes familiar with the construction and use of standard pieces of apparatus, smaller, but of exactly the same design and same materials of construction which he will later use at plant works.

This laboratory is absolutely a new feature at M. A. C. and from the experience of the writer is not excelled in but few instances. It is equipped with a 50-gallon sulphator, a 10-gallon nitrator, a 10-gallon reducer, a 30-gallon fusion kettle, a 10-gallon autoclave for working pressures up to 1,000 pounds per square inch, a 10-gallon vacuum pan, a 10-gallon steam jacketed kettle with agitator, a 30-gallon steam jacketed kettle, a 25-gallon still fitted with a direct condenser and rectifying column and extraction cell, a hydroextractor, two filter presses, a suction filter, grinding mills, an air compressor and vacuum pump, a drying oven, separators, crystallizing tanks, etc.

In the industrial laboratory the chemical engineer studies a problem in its entirety, searching the literature and patents, making the preliminary laboratory preparations to determine the most efficient process, studying means of control, determining manufacturing difficulties, calculating manufacturing costs, designing of plant, and actually manufacturing chemicals in pound and not gram lots. In fact we believe that when the chemical engineer graduates from M. A. C. he will be well fortified to meet competition which must come in industrial life.

TO PUSH TRACK SPORTS.

Great efforts are to be made by the athletic department to build up the ranking of 'varsity track teams in the next few years.

The plan is to make this sport second only to football. The two sports which rank highest in colleges of America are football and track. Track at M. A. C. has been quite negligible in the past, but if the plans of M. A. C. officials go through it will take a major place in 'varsity sports very soon.

With the completion of the Aggie indoor track, much interest is centering in such events within doors. A schedule of three meets has been prepared for the indoor season this year and six for the outdoor track. The indoor meets are all dual in nature and will be held at M. A. C.

Complete schedules of these meets follow:

INDOOR EVENTS.

March 5—Kalamazoo college at East Lansing.

March 13—Notre Dame at East Lansing.

OUTDOOR MEETS.

May 1—Interclass meet at East Lansing.

May 8—Detroit Junior college at East Lansing.

May 15—Notre Dame at South Bend.

May 22—De Pauw at East Lansing.

May 29—State Intercollegiate at E. Lansing.

June 5—Western Conference at Ann Arbor.

Because of the proximity and class of the Conference meet at Ann Arbor this year, it is planned to take the whole Aggie track squad to the event.

DETROITERS TO HEAR M. A. C. GLEE CLUB.

On April 10 the M. A. C. Glee Club, composed of thirty-two members, will give an entertainment at the 14th Ave. Baptist church, corner of 14th and Marquette avenues, under the auspices of the O. V. R. class, an organization of young men, of which A. E. Downer, '19, is president.

Of course, college songs and humorous selections will predominate the program but several numbers of a heavier nature will be presented. A special feature will be the production of an Agricultural Farce set to music and presented by eight members of the Glee Club in costume, which is calculated to make Detroit Aggies beg:

"Oh, Time, in thy flight!
Make me a college student again,
Just for tonight."

For further information, reservation of tickets, etc., call or see A. E. Downer, '19, 621 McGraw Ave., Phone Walnut 3163-R.

OBITUARY.

Capt. Haigh, with '61.

Captain George Williams Haigh who entered M. A. C. with the first class in 1857, died at his home in Dearborn on February 28, following an attack of influenza. He was in his eighty-second year and one of the oldest members of the M. A. C. Association. He was a most ardent lover of M. A. C. and was never happier than when recounting the early trials and final triumphs of his Alma Mater. He helped clear the stumps from around Old Saints Rest and Old College Hall and to fell the native forest trees from the fields which now constitute the college campus.

At the outbreak of the Civil War he enlisted at the college with nearly all the other students, so many, indeed as to almost break up the school and he served a year in Missouri under Fremont. Later he enlisted as a private in the famous 24th Michigan Volunteer Infantry, which was recruited entirely from his home county. Before the regiment left Detroit he was made orderly sergeant of his company and later rose by successive promotions for merit to be the captain of Company D. He served continuously till the close of the war, taking part in all the hard fought battles of the Army of the Potomac. He was wounded in the right hand at Cold Harbor and again, very seriously, in the right leg, at Gettysburg, where he was taken prisoner, but was subsequently paroled.

At the close of the war he returned to Dearborn and in 1868 married Esther J. Marsden, an adopted sister of Alfred, Frank, Richard and Orrin Gulley, all since graduates of M. A. C. In 1873 he removed to Minnesota, then the farming Eldorado of the west, where he resided for 42 years, breaking up and developing a fairly large and successful farm.

About eight years ago he returned to his old home in Dearborn, where he has since resided and where he has taken intense interest in all current events and has been a most ardent supporter of M. A. C. in all her endeavors. He has been a faithful and enthusiastic attendant at all recent M. A. C. reunions, his stalwart form with its snowy white head being a familiar figure on the campus around reunion time.

Captain Haigh was born in Waterloo, New York, in 1836, and came to Michigan with his father, the late Richard Haigh, about seventy years ago and lived at the old Haigh homestead in Dearborn until he entered M. A. C. in 1857. Though the Civil War deprived him of the priceless privilege of graduation, he felt himself none the less an alumnus of M. A. C., and he kept himself in sympathetic touch with all her interests. His death deprives the college of

nearly the last of her devoted children who came to her at the beginning in 1857.

The fact that all of Captain Haigh's brothers and his only sister attended M. A. C. nearly all graduating, serves to show his attachment and that of his family for this institution and its objects. He himself entered in 1857, his brother Thomas in 1859, both being swept away from college by the Civil War. His brother Richard entered in 1864 and graduated in 1869; his brother Henry entered in 1870 and graduated in 1874, and his only sister Bessie married Frank Gulley who graduated in 1880 and was given an advanced degree in 1882. She attended the college during these years but did not graduate. Also this attachment is emphasized by the further fact that all the male members of the Gulley family of Dearborn, to which Capt. Haigh's wife belonged, were graduates or officers of M. A. C. Alfred B. Gulley was professor of agriculture in 1875, Alfred G. Gulley graduated in 1868, Richard Gulley in 1878, Orrin Gulley in 1879 and Frank in 1880.

In the Military museum recently established at M. A. C. will be found a beautiful old gold-scabbard officers' sword which was captured by Capt. Haigh from a rebel staff officer at the Battle of Gettysburg; also the six-shooter revolver carried by Captain Haigh's brother through the Civil War.

He was a most interesting conversationist, always of decided views, and he was a fairly facile writer. The files of M. A. C. Record show communications from him on Early Days at M. A. C., on Results of M. A. C.'s Work and on other subjects akin to the college.

His funeral held on March 2d was from the old homestead in Dearborn which he loved so much and his remains were followed to the village cemetery by members of the local military posts, by Civil War Veterans from Detroit and by hosts of old friends from the surrounding country.

—H. A. H., '74.

Mrs. V. C. Schaeffer (Elizabeth Dorgan) w. '15.

Mrs. Elizabeth Dorgan Schaeffer, w'15, wife of Vern C. Schaeffer, '11, died at their home in Sturgis, Michigan, on February 17 of pneumonia, following influenza. Mrs. Schaeffer was popularly known as "Betty" Dorgan in college and is a sister of Albert Dorgan, '14, of Detroit. She spent two years at M. A. C. Besides her husband, a week-old baby girl survives her.

AN ERROR.

In the minutes of the February meeting of the State Board of Agriculture which were printed on page 7 last week it was stated that the make-

up of the Board of Control of Athletics included two alumni of the faculty who were appointed by the president. This was in error and should have read "Two of the Faculty appointed by the president."



Class Notes



'83.

Clarence M. Weed, of the U. S. School Garden Army, Bureau of Education, Washington, D. C. was a college visitor on February 27.

'84.

E. Carl Bank, who has been superintendent of the Preston School of Industry at Waterman, Calif., is now located at Berkeley, Calif., as a salesman. He is living at 2840 Webster Place.

'90.

E. J. Frost (with) president of the Frost Gear and Forge Co., manufacturers of gears and drop forgings, Jackson, has recently been elected president of the American Drop Forge Association and is on five committees of the American Gear Mfg. Ass'n. These duties require frequent trips to New York and Philadelphia.

'92.

Dr. Myron S. Gregory is a practicing physician in Oklahoma City, Okla., specializing in nervous and mental diseases. He lives at 115½ W. Grand.

'93.

Clarence E. Holmes of Lansing, superintendent of the School for the Blind, delivered the Short Course Commencement address at the college on Friday, February 27.

'93.

A. E. Carlisle (with) is farming at Kalkaska, Mich.

Henry Vanderwerp (with) of Petoskey, sales agent for the Petoskey Portland Cement Co., was at the college on February 17. He was formerly with the Newaygo Cement Co.

'94.

Prof. F. H. Sanford of the forestry department, gave a lecture on "Evergreens," before the Grosse Pointe Garden Club of Detroit recently. The different species native to Michigan, proper soil, idiosyncrasies, seeding and propensities, were discussed. An account in the Sunday Free Press describes it as one of the most enjoyable and instructive programs the club had arranged this year.

Julia P. Grant is supervisor of sewing in the Detroit public schools, and lives at 266 W. Ferry St.

L. L. Blake (with) is district agent for the Dalton Adding Machine Co., with headquarters at 54-56 Penobscot Building, Detroit.

A. A. Pisk is now in Chicago, at 4138 Jackson Blvd.

V. R. Gardner, professor pomology at Columbia, Mo., lives at 206 Hicks Ave.

'96.

Ernest F. Smith is in the grocery business under the firm name of Benson & Smith, at Battle Creek, Michigan. He is living at 17 Byron St.

Marion Thomas Hibbs, 3446 Bosworth Ave., Chicago, writes: "Housewives are not supposed to be occupied, their work is all play. According to that I do quite a bit of playing. Our daughter, Helen E., who will be twelve years old in June, is looking forward to college with a good deal of enthusiasm."

'97.

Garfield Verran, assistant engineer for the Soo Line R. R. Co., lives at 2402 Lyndale Ave., N., Minneapolis, Minn.

'98.

Frederick J. Nichols (with), 109 E. St. Joseph St., Lansing, is secretary and assistant manager of the Duplex

sales agency, handling Duplex four-wheel drive trucks in central and northern Michigan.

N. J. Hill, 515 Atkinson St., Detroit, is a consulting engineer at 620 McKercher building.

'99.

Max L. Tower, chemical director for the Niagara Sprayer Co., lives at 9 Bewley Park, Lockport, N. Y.

D. H. Shannon, engineer in the construction department of the Detroit Edison Co., is now living at 619 Antoinette st.

William Carl Chapman and Mrs. Chapman (Katherine Vedder, '16) are now living at 74 Boulevard, Pelham, N. Y. "Chappie" writes, "In the old days when it was affectionately known as the 'college Lemon,' we rahs rahs couldn't understand why it printed so much about the alumni, but I can understand now. Behold! The Lemon has flowered and flourished. It's about the only tie we have here in the east that binds us to old M. A. C. We have the local alumni rounded up for a meeting at the Hotel Pennsylvania on Lincoln's birthday, and hope to start the association going again. For a corpse it seems rather active. New Yorkers don't feel at home if they are not obliged to contribute to something, and the Memorial Building drive is just what they need." "Chappie" has been promoted to export advertising manager of the Packard Motor Car Company.

L. L. Smith (with) is a mechanical engineer and lives at 120 Pilgrim Ave., H. P., Detroit.

'10.

L. L. Benedict, for several years chief engineer with the Michigan Power Co., Lansing, is now division superintendent with the Consumers' Power Co., Grand Rapids.

'11.

Saier's 1920 Garden Book, the catalog of Harry E. Saier, Seedsman of Lansing, is just off the press and is being distributed through Michigan. "Harry's business has expanded to an extent requiring two stores. He has a flower store on West Michigan avenue and has recently acquired a three-story building on Ottawa street, east, in which to handle his rapidly expanding business.

Jack Konig, vice president and superintendent of the Grand Rapids Grinding Machine Co., writes that their business is "coming." They are making shipments to Japan, India, France, Sweden and Belgium, besides doing a good domestic business.

The Stamping and Tool Co., of Lansing, of which George F. Conway, '11, is secretary treasurer, and Thomas E. Conway, '14, sales manager, has increased its capital stock from \$100,000 to \$300,000. Rapid growth of business and necessitated expansion impelled the directors to make this increase.

H. A. Lossing, "Herb," 447 Sixth Ave., Wauwatosa, Wisconsin, writes: "Looks as though I have found my spot. Have bought a home here in Wauwatosa, have two boys (five and 1½) and find old Milwaukee a good place to live. I am doing the same old stunt—shop work, and am laboring along as superintendent of Andrew Motor Manufacturing Co."

'12.

A news article on "What Science Has Done for the Farm," by Edwyn B. Reid, chief of the division of publications of the U. S. Department of Agriculture, is now being printed in a large number of agricultural publications over the country.

H. E. Knowlton, department of horticulture, Morgantown, W. Virginia, is living at 203 Pine Ave.

Florence K. Slinger is teaching in the household arts department of the Detroit schools, and is living at 246 W. Philadelphia Ave.

R. J. Van Winkle, 108 Pilgrim Ave., Detroit, is a mechanical engineer for Smith, Hinchman & Grylls.

Charles Holden Perkins and Mrs.

Perkins (Margaret Kedzie, '11) are living at 636 Worden St., S. E., Grand Rapids, where he is sales manager for the Fox Typewriter Co.

M. E. Dickson is living at 4919 Lakeside Ave., Chicago.

Earl L. Hueber, 65 Connecticut Ave., Highland Park, is sales manager and part owner of the Imperial Welding Co., Inc.

H. Groothuis is connected with the firm of Esselstyn, Murphy & Hanford, engineers and architects, working on Power Plant design and mechanical layouts of industrial buildings.

'13.

Madge Lamoreaux who was last year connected with the University of Kentucky, but who is now at her home in Grand Rapids, has been visiting Louis Clemens and other friends at the college for ten days.

G. W. Massnick, 2136 Sixth St., Bay City, writes, "Am connected with the Lewis Manufacturing Co. of this city in the capacity of general sales and advertising manager. The business is enjoying a remarkable growth. We produce the nationally advertised Lewis Built Homes, shipping the complete material for the home all manufactured direct to the home builder."

E. A. Yoke (with) Apt. E, 465 Oakwood Ave., Toledo, since his return from France has been with the DeVilbiss Mfg. Co. of Toledo, as sales engineer. He writes that Clarence Digby, '13, is with the Milburn Wagon Co. of Toledo.

W. S. Cumming is engineer and superintendent of construction with J. W. White, engineer and contractor, of Monroe, Michigan, and lives at 50 S. Macomb St.

Clifford L. Snyder, 240 Pallister Ave., Detroit, sends us the following: "Charles A. Hamilton, 'Short,' '10, is with the Fargo Engineering Co., 226 W. Main St., Jackson. He and Mrs. Hamilton live at 235 W. Washington St. Charlie has just returned from an extended trip around the country looking for Power Plant equipment. Rollo West, '95, is still the "whole works" of the West Point Co., Springport, Michigan. He is one of the most enthusiastic men at large, which is saying a good deal. Dan Kent, '17, and George Clarke, '18, are with the Clarks Truck Tractor at Buchanan, Mich. George is in the production department and Dan is the business end. It took George three days to make a whistle for one job but it was a good one when it was done."

D. L. Hagerman, for four years county agricultural agent in Ottawa county, resigned the middle of February to become agricultural and industrial agent for the G. R. & I. railroad. His headquarters will be at Grand Rapids, G. R. & I. Building.

'15.

Ernest E. Alden, "Short," 274 Meigs St., Rochester, N. Y., writes, "Since my discharge from the army in September I have been with the Eastman Kodak Company of this city. Am engaged as chemist in the research laboratory. You will be glad to hear that Carp Julian is better and expects to be up soon."

L. A. Cobb of the firm of Billingham & Cobb, engineers and architects, 403 Press Bldg., Kalamazoo, specializes in paper mills, industrial buildings and power plants.

Lyle E. Belknap is county engineer for Clinton county, with office at St. Johns.

Edmund C. Mandenburg, "Mandy," formerly extension specialist in the Forestry department at the college, is now consulting forester with The Barrett Co., of Chicago, and lives at 6522 S. Hermitage Ave.

Edgar U. Rice, 1436 Michigan Blvd., Racine, Wis., metallurgist with the Mitchell Motors Co., Inc., says, "M. A. C. men are as scarce as hens' teeth in this city, and if it wasn't for the Record I wouldn't know what any of the old gang were doing. So don't you

dare cut me off just because I am mortal and fail to send you the necessary lucre the first time off the bat."

C. E. Norton of Grand Rapids is now living at 326 Cherry St., instead of Y. M. C. A.

This little letter just came in this morning:

From H. W. Jadwin, Fenton, "Am located on my father's farm of 269 acres. Milking 16 cows this winter. Married—yes, June 3, 1916, a boy and a girl."

'16.

Carol M. Davis, who is taking post graduate work at Columbia University, New York City, writes that she is enjoying her work, also New York City. "I have been very proud to say that I was from the Michigan Agricultural College," she says, "and have had all my credits accepted without question except for two courses, one in sanitation and one in cookery. Many experienced teachers are finding that their colleges are not up to the standard, and are forced to take an extra summer school or even another year in which to obtain an M. A. degree. I expect to get my degree June 1, 1920. I see Laverne Jones, '16, and Elizabeth Halberg, '16, often, in fact Elizabeth is in one of my classes. Ann Cowles, '15, lives only four blocks from me and I see her occasionally. I also heard Mr. Lindemann speak at the college in the interests of the Rural Club."

H. Hewitt Miller, former football star, 108 Grove St., Tonawanda, N. Y., sends this, "Am still single. About to venture in business. Much interested in everything and everybody with M. A. C.'s trademark upon it. Hope the dormitory fans win out, because it is there the rigorous and hardy germ of college spirit is sprouted and kept alive."

This from another warrior of the grid, Gideon E. Smith, "Just keep sending Records to the same old address. I 'don't want to miss any of them, for it is the only way I have to keep up with the great happenings at the dear Old School. A failure to receive one is equivalent to being absent from college for a week. Best wishes for a successful basketball season."

Glen Hacker, 266 S. Limestone, Lexington, Ky., writes, "Have been with the Kentucky Experiment Station since October, employed at present as creamery inspector under the creamery license law. Rooming with my old buddy, R. J. Morgan, '17, who is district agent for eastern Kentucky. We send regards to all our friends in East Lansing, and especially Hank Goss and Chuck Washburn."

Arnold L. Olsen is located at present at Twin Falls, Idaho, as representative of the Home Lands Co., Inc., of Wisconsin, which represents several lumber companies. They expect to start a western office and are interesting sheep men in the cutover lands of northern Wisconsin.

P. M. Langdon, Torrey Island, Florida, writes, "I left Michigan November 10, in a fliver for the sunny south, along my father and two other fellows. Sure had some trip down, stopped off to see Mammoth Cave and other points of interest. Arrived in Florida in the Everglades, where my family and I are located. We like the climate fine and also the soil. In my opinion in a few years these Upper Everglades will be the garden of the world. As you probably know, the muck soil here is ten feet to the rock and about three feet to water, and rich is no name for it. Pigweeds grow here like young saplings, in our country, six inches through and 18 feet high. There is a pumpkin vine about 80 rods from where I live that bore 215 pumpkins from a single stalk, the stalk measuring 15 inches in circumference (This sounds fishy but seeing

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CLASS SECRETARIES.

'15.
R. W. Sleight, A., R. F. D. No. 1, Laingsburg, Mich.
Grace Hitchcock, '15 H. E., Grand Haven, Michigan.
E. F. Holser, '15 Eng., 184 Begole Ave., Detroit, Michigan.

'16.
M. E. Bottomley, A., 8004 Conn. Ave., S. E., Cleveland, Ohio.
Ethel Taft, H. E., East Lansing.
W. G. Knickerbocker, E., 191 Twelfth St., Detroit, Mich.

'17.
Otto Pino, A., Manchester, Mich.
H. L. Waterbury, E., 305 Ann St., Flint, Mich.
Lou Butler, H. E., 424 Grand River Ave., East Lansing.

E. B. Benson, H., 22 Jackson Place, Indianapolis, Ind.
J. E. J. Foess, 90 Humboldt Ave., Detroit, Mich.
E. F. Kunze, V., East Tawas, Mich.

'18.
Wm. Coulter, A. & H., Bu. of Plant Industry, Botany Annex, Univ. of Ill., Urbana, Ill.
H. L. Froelich, E., V., & F., 621 Newell St., Flint, Mich.
Marion Pratt, H. E., Box 15, Royal Oak, Mich.

Wm. Coulter, 139 N. Clark St., Chicago, Ill.

'19.
Aletha Keiser, H. E., Protestant Deaconess Hospital, Indianapolis, Ind.
Paul A. Howell, E., 703 W. Hillsdale St., Lansing.
L. W. Miller, A., 1108 N. Front St., Niles, Mich.

M. A. C. ASSOCIATIONS.

Central Michigan.

President, S. F. Edwards, '99, Lansing.
Vice President, Elizabeth Palm, '11, Library, East Lansing.
Secretary-Treasurer, E. E. Hotchin, '12, East Lansing.

Detroit Club.

President—H. B. Gunnison, '00, Detroit Edison Co.
Vice-President—Edward C. Krehl, '08, 198 Seebault Ave.
Secretary and Treasurer—John H. Kenyon, w'14, Mutual Benefit Ins. Co. 80 Griswold St.

Grand Rapids.

President, Mrs. L. B. Littell, '03, 554 Giddings Ave.
Vice president, Mrs. Caspar Baerman, 636 Parkwood St.
Secretary-treasurer, Miss Luie H. Ball, '13.

Flint Club.

President—I. E. Parsons, '07, Grand Blanc.
Vice-President—Mrs. O. G. Anderson, '13, Grand Blanc.
Secretary—Howard R. Estes, '17, Y. M. C. A., Flint.

Jackson County.

President—L. Whitney Watkins, '03, Manchester.
Vice-President—W. K. Sagindorph, '04, 415 W. Franklin St., Jackson.
Secretary—W. B. Allen, '07, 129 S. Hill St., Jackson.

Kalamazoo Club.

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is believing). Am planning on planting 40 acres of Irish potatoes and 10 acres of sugar cane right away, so you can see I did not run out of work when I left the Wolverine state. I am glad to part with a check for the Record."

James A. Berry, formerly with the State Board of Health at Lansing, and now with the State Laboratory, College of Mines, says, "Since Christmas have been still-hunting bugs all on my own here. Amusement—listening to copper "dope," and speculating as to where all the boats are to come from when six feet of snow goes in May."

'17.

Joseph E. Zeltzer is a veterinary inspector for the U. S. government, and lives at 264 Westminster Ave., Detroit.
Charles E. Garthe is living at 601 Montgomery St., Syracuse.

Ensign L. K. Cleveland, formerly of U. S. S. Nero, has been transferred to U. S. S. Olympia, care of Postmaster, New York City.

Herbert C. Knowlton, who has been in New York City, has returned to his home at Ithaca.

Ray A. Pennington is resident engineer for the State Highway Department, at Alpena. The Penningtons live at 202 Campbell St. Mrs. Pennington was Louise Smith, '17, of East Lansing.

H. P. Anderson is now located at Grand Rapids, 601 Murray Bldg.

Roy H. Cromley, with the Stroh Products Co. of Detroit, is now living at 669 Second Ave., Apt. 68.

Wm. D. Thompson, 1928 Seventh St., Port Huron, is now in the employ of the Wills-Lee Auto Co., assisting in the development of Marysville. He returned to the U. S. from Germany on August 13, 1919, after two years overseas with the First U. S. Division of Regulars as a Captain of Infantry. He was discharged from the service on August 29, with disability from wounds received in action.

Marguerite H. Ryan, 190 E. Grand Blvd., Apt. 30, Detroit, is still a chemist for the Acme White Lead and Color Works.

Arthur V. Mooney (with), 4409 Dover St., Chicago, is at present a salesman for the Equitable Life Assurance Co. of New York, with headquarters at 1607 Lytton Building, Jackson Blvd. and State St., "I like my work," he says, "although my thoughts are often of the old college days. I hope to finish my course and will return next fall if possible."

Henry E. Buckel (with) is a locomotive fireman for the Ann Arbor Railway Co., and lives at 314 Michigan Ave.

Thomas J. Nicol is with the State Highway department at Kalamazoo.

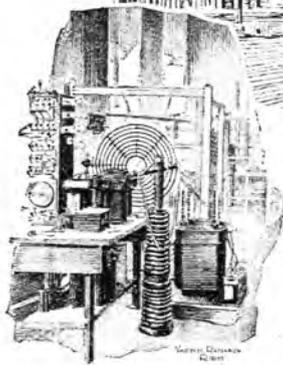
Mrs. Wayne H. Young (Florence Yeiter) lives at 564 Laurel Ave., S. E. Grand Rapids.

Martha H. Goltz, bacteriologist at the Sherman Laboratory, Detroit, lives at 792 Dickerson Ave.

A. H. Joel, who was with '18, and left to enter the service, finished his work at M. A. C. at the close of fall term, and is now traveling in Ohio and Michigan for the Federal Chemical Co. He lives at East Lansing.

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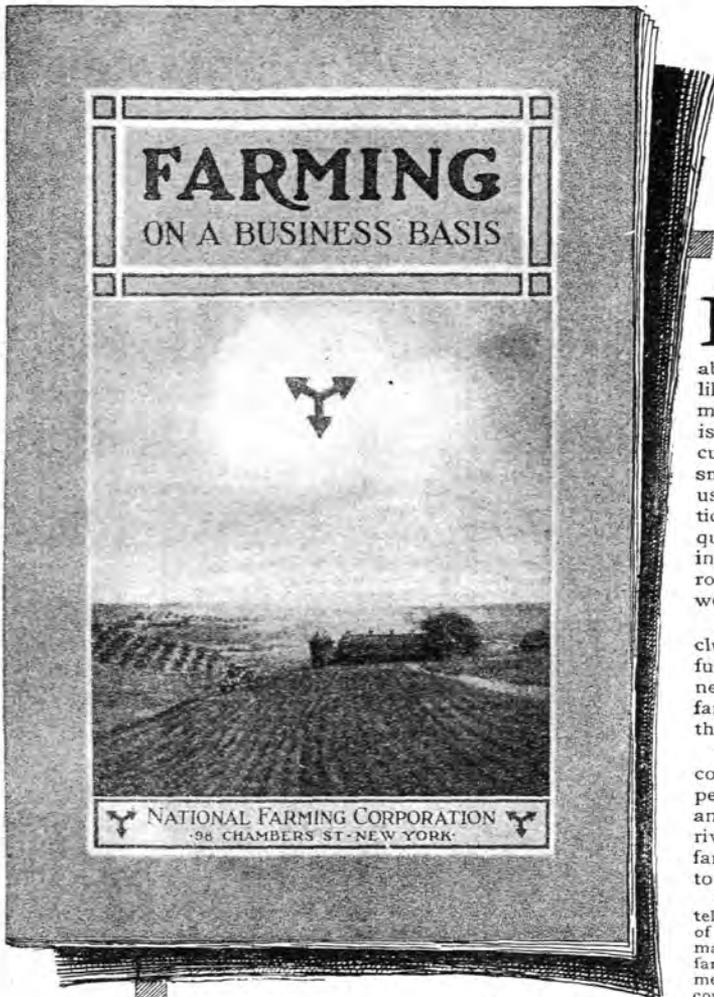
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