

LIBRARY

MICHIGAN STATE COLLEGE
OF AGRI. AND APP. SCIENCE

The M. A. C. RECORD



Michigan Agricultural
College Association
Publishers ■ East Lansing

Vol. XXVIII Nov. 27, 1922 No. 10

The M·A·C· RECORD

ESTABLISHED IN 1896

Member Alumni Magazines
Associated

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 Monday during the College Year
by the Michigan Agricultural College
Association.

E. W. Ranney, '00, Greenville	- - -	Pres.
A. B. Cook, '93, Owosso	- - -	Vice-Pres.
F. F. Rogers, '83, Lansing	- - -	Treas.
R. J. McCarthy, '14	- - -	Secretary

Members of Executive Committee.

Elected at Large:

Henry T. Ross, '04, Milford.
Mrs. Dorothy Lillie Crozier, '17, Grand Rapids.
Horace Hunt, '05, Jackson.

MEMBERSHIP IN THE M. A. C. ASSOCIATION
which includes subscription to the
Record, \$2.50 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.

CHARLES H. ROUSE, '17

Telephone Main 3783.

Pardee & Rouse, State Manager,
Continental Assurance Co.
605 Lincoln Building, Detroit, Mich.

DR. C. A. GRIFFIN, '10

Osteopath

360 Capital National Bank Building.
Citz. Phone: Office 8341. House 4950.

MAYER & VALENTINE

Consulting Engineers

Power Plants	Electric Wiring
Heating	Plumbing
Ventilation	Refrigeration
Plans, specifications, supervision	

F. H. VALENTINE, '09

621 Bangor Bldg. Cleveland, Ohio.

Connor's

WORLD'S BEST
ICE CREAM

W. A. McDonald, '13-F, Mgr.

Study Marketing

Get a thorough, practical training in Farm Market-
ing. Invaluable to progressive farmers, agricultural
leaders, and managers of co-operative organizations.
TRAIN AT HOME IN SPARE TIME
under the personal supervision of George Livingston, former Chief
of the U. S. Bureau of Markets. Take your choice of one or all of Six
Specialized Home-Training Courses in Marketing prepared by
seventy foremost national authorities. Low cost, easy terms.
Write for free book, "Marketing—The Other Half of Agriculture."
THE AMERICAN INSTITUTE OF AGRICULTURE
DEPT. C16 326 West Madison, Chicago

ARCADIA

Strand Arcade Building

THE HOME OF REFINED

DANCING

TUESDAY, THURSDAY, SATURDAY

8 to 12 Park Plan, Admission 15c

FRIDAY—COLLEGE NIGHT

8 to 11 Assembly, Admission \$1 Per Couple

Music By CLARK'S ARCADIA ORCHESTRA

DANCING LESSONS

Class and Private Instruction Daily.

A. G. Wesson Miss Adelaide Rodler
BELL PHONE 2020

VIRGIL T. BOGUE, '11

Landscape Architect and Nurseryman

Your grounds planted with our extra grown
shrubs and specimen trees and evergreens.
will give you immediate results.

Geneva, Ashtabula Co., Ohio.

ANCHOR INN

Stevens & Son, Props.

Balcony of Strand Arcade

Lansing, Mich.

After Every Meal

WRIGLEY'S
P.K.
CHEWING SWEET



The Flavor Lasts

C-11

THE M. A. C. RECORD

VOL. XXVIII. No. 10

EAST LANSING, MICHIGAN

Nov. 27, 1922

SEVEN FROM COLLEGE ATTEND CONFERENCE

M. A. C. was well represented at the convention of Land Grant colleges at Washington, D. C., November 20 to 24. President Friday headed a delegation from the college consisting of Dean Shaw, Dean Bissell, Dean Campbell, Director of Extension R. J. Baldwin, Professor French and Prof. A. C. Spragg. All took prominent parts in the programs for their individual departments and President Friday on Tuesday at noon spoke before the personnel of the bureau of agricultural economics describing his plans for the improvement of Michigan agriculture through the betterment of the individual productive unit.

Wednesday night President Friday met with the M. A. C. association of Washington and explained the policies of the college administration together with the changes which have already taken place on the campus and their bearing upon the general plan of progress. The other representatives of the college were also invited to attend the dinner.

Thursday night President Friday was the guest of Benjamin Strong of the New York Federal Reserve Bank of New York at the latter's home in New York city.

Next week President Friday is scheduled to speak at the University of Pennsylvania and will probably attend a luncheon with the members of the Chicago M. A. C. association on December 4, if the plans of the people in that city materialize.

LARGE STOCK ENTRY FOR CHICAGO SHOW

There will be more than eighty entries from M. A. C. at the International Live Stock show at Chicago December 2 to 9. This is an unprecedented number to take part in the exhibition from the college and there is high hope that some of the stock will return with the coveted blue ribbons.

The college will also show an educational exhibit concerning farm crops. This will center around the slogan, "Michigan Cheapens Production," demonstrating work with alfalfa and other seeds used in the state.

L. E. Beeuwkes, '25, considered a possibility for the position of center on the varsity basketball team, broke a collar bone in practice recently and will be out of the game for the early part of the season.

FRIDAY AND HALLIDAY HONORARY COLONELS

President Friday and Secretary Halladay were made honorary colonels of the cadet corps at a special ceremony which was held in the gymnasium on Tuesday evening of this week. The first part of the program consisted of presenting the corps to its new honorary officers and the second part was in honor of the sponsors for the different units. Following the program the corps was addressed by the new officers and the band played for dancing.

More interest is being shown in military work at the college this year than has been evident for some time. With the band the M. A. C. units receive the plaudits of any crowd and the individual work of the different branches of the service has brought them much favorable comment.

WILL CATCH BIRDS FOR MIGRATION DATA

Prof. W. B. Barrows, state ornithologist and author of "Michigan Bird Life," is about to establish a bird catching station at the college which will be used for experiments to determine the habits of migratory birds. Under the system being followed at many points between Canada and the Gulf of Mexico birds are caught in traps which cannot harm them and are marked by leg bands so that as they make their flights north or south they can be recognized as they are captured in successive traps and through the collection of this data by the biological survey valuable information is obtained concerning their habits, the direction and speed of their flights.

A special permit is necessary before this work can be done. Professor Barrows issues these permits for the state and another must be granted by the federal authorities. All possible precautions are taken to prevent any of the feathered tribe from being harmed in the traps. They become so accustomed to looking in the traps for food that investigators have found the same birds returning day after day until they continue their flight. This opportunity to find food soon teaches them to look for similar traps so the process of catching them is simplified. Through the establishment of several strings of these traps it is expected that within a few years there will be a great mass of information for the naturalist and bird lover which was never before available.

ALUMNI GATHER FOR HOMECOMING

Large Representation of Graduates Return to Campus for Annual Event—
Butterfield, Ranney and Halladay Speak at Luncheon in Armory

Homecoming events have passed another milestone at M. A. C. Perhaps that of 1922 will be remembered as one which came so late in the fall that many alumni were forced to forego the pleasure of attending the gathering and then it may be referred to as the one which many attended who could not have made the trip earlier in the season. At any rate it was a success as such gatherings go and gives evidence of a revived interest in the college among her graduates. It is variously estimated by the athletic department and the different societies that between 800 and 1000 were back for the day and it is safe to say that the total would not fall under the lower figure although but 200 attended the alumni luncheon at the armory.

Friday night witnessed the first events of the program for the entertainment of the visitors. At the mass meeting in the gymnasium several of the old favorites gave short talks and the band supplied plenty of music. Prof. Clark, Director Barron, Coach Walker, Tom Gunson and Rev. E. W. Bishop from Lansing provided the oratory for the evening. Prof. Clark talked briefly on spirit and the times at which it is most needed. Director Barron expressed his confidence that the Aggies would be victorious on the following day and Coach Walker told of his regard for the squad. Rev. Bishop, a football player and coach of considerable ability during his college days, spoke briefly upon what the sport meant to him and gave several illustrations of the spirit of the players meaning more in the final analysis than their football ability. Tom Gunson was at his best with a new stock of stories well interspersed with some of those he gleaned in former years.

Before and after this meeting the societies were entertaining in honor of their graduates and the homes of the various organizations were filled to capacity with the graduates who returned to swap stories with their classmates and look over the new material in college.

Before the campus parade on Saturday morning girls' class teams fought for the championship of the college at soccer on the field in Sleepy Hollow. The Freshmen bested the Sophs and the Juniors and Seniors played a tie. All of the fixings for a regular contest were in evidence. As in case of the old class games between men's teams each class had its cheering section but this time the male portion of the class did the yelling while their fair classmates fought out the issue. This drew a large crowd of alumni, many watching the contest for a short time and then

visiting the new Alumni office directly opposite the field.

At 10 o'clock the Aggie band headed the parade of floats representing the different societies and organizations and marched around the circle. A box car headed the procession immediately after the band. It was a rather unstable structure built over a Ford but told the tale of how many of the students followed the football team to Bloomington and Crawfordsville when the Aggies had engagements for games in those towns. Another represented the laying of the corner stone of the new Union building and the stone bore the inscription 19-? Autos and farm wagons with decorations of varied colors and designs made up most of the floats. A committee was selected to choose the best and decided upon the "Tics as the winners of the crate of apples. They displayed an army wagon fitted up as a prairie schooner with the legend, "M. A. C. Homecoming 1881." Costumes of that day were approximated by the men who rode in the equipage. The Sesame society had a decorated automobile which won a five pound box of candy for the organization and the Aurorians took the keg of cider for the best decorated society house.

At 12 o'clock the Armory was the gathering point. A luncheon was ready for the hungry Homecomers shortly after the hour and with a slight delay it was disposed of in time to allow two short talks before the meeting adjourned for the trip to the football field.

President Ranney, '00, presided at the luncheon. He spoke briefly of the aims of the association and reminded the members that they would have an opportunity to look further into the plans for the proposed Union building within the next few weeks. At the conclusion of his talk he called upon Kenyon L. Butterfield, '91, president of the Massachusetts Agricultural college. Butterfield told of his regard for his alma mater as an institution of learning at the head of its chosen field. "We have a right to be proud of the Michigan Agricultural college," said Butterfield. "Through her graduates she has risen to commanding heights in the field of agricultural and other technical education. She has the most beautifully landscaped college campus in the world and deserves the support of every alumnus." He spoke of the reputation his team had won in the east as a fighting aggregation and said it could be depended upon to give its best on all occasions.

Secretary Halladay took President Friday's place on the program because the latter was detained in the east. He mentioned the im-

pending session of the legislature when the college was going to ask for an appropriation to put through its building program and would need the efforts of all alumni in helping to impress the assembly of the needs of the college.

President Ranney closed the meeting early in order to prevent delay for the crowd in reaching College Field and most of the gathering adjourned to watch the East-West battle for gridiron supremacy among land grant colleges.

Many of the classes since 1869 were well represented in the crowd which filed over the bridge to the athletic field. Some had attended the luncheon but many came late and occupied seats at the field.

Throughout the day the new Union house at 3 Faculty Row was filled to capacity and had there been accommodations for luncheon or dinner would have drawn a still larger crowd. The fire place was liberally patronized by those who had made long trips in automobiles for the day and the warm welcome of the radiators was not amiss. More than 200 visited the house and signed the register. A more general knowledge of the location would have resulted in many more availing themselves of the opportunity.

Several of the societies which maintain alumni organizations were hosts at dinner to the older members that evening and there were informal parties underway at most of the houses following the eats. All were decorated specially for the occasion with many novel schemes and a profusion of colors.

East Lansing residents rose to the spirit of the day and windows were dressed in Green and White with "welcome" signs on every hand.

Norfolk, Neb., and Pittsburgh, Pa., were the farthest distant places to be represented on the register. A full list of all who registered or who were known to be present will be included in the Homecoming number of THE RECORD next week. There will also be photographs of the main events of the day and some of the participants.

One of the most important events of Homecoming was the demonstration anew of the need for a Union building. With such a structure containing the proper accommodations there would be no need for serving luncheons in the Armory where there are no facilities for the caterers. There would be no need for a hit or miss method of making appointments with your old classmates. It would be simplified as it is in Ann Arbor where all visitors gather at the Union building.

The Aggie cross country team finished seventh in a field of twelve teams at the conference cross country meet at Purdue last Saturday. Nesman, Klaase, Clark, Baguley, Willard and Van Arman composed the M. A. C. squad. Iowa State again took first honors.

The new furnishings of the Union house were given their first public test by the alumni for it has not come into general use by the students and will not until after the open house which is scheduled for Thursday night. Magazines of a general type have been ordered for the book racks and there will be other accommodations for students, faculty and alumni who wish to make use of the place.

The Universities of Nebraska and Oklahoma are in the throes of drives for stadia. At the latter place bird dogs were donated to be auctioned off between the halves of a football game for the benefit of the fund.

Yale reports only about \$6,000,000 increase in the general funds of the university through gifts and other sources during the past year.

Penn State has almost reached the half way mark in its drive for \$2,000,000 for new buildings and expects to complete the fund before the time set for the close of the campaign.

The score over Massachusetts gives the Aggies a little better looking ledger. The total scores for the season now stand, Aggies, 104; opponents, 128.

Johnson, Morrison, H. Swanson, Brady and Thorpe played their last football game for the Green and White on the home field Saturday. All were given an opportunity to take part.

A light snow threatened to make the day uncomfortable for players and spectators but it failed to assume discommoding proportions. With a good supply of blankets those in the stands could keep fairly comfortable.

The Massachusetts team was outweighed and outplayed but through the last minute of the game the easterners continued to battle to their best ability.

Announcement has been made of the marriage of Ruby Speer, '24, now a student at Kalamazoo Normal, and L. E. Heasley, captain of the basketball team last year who expects to complete his course this term. Miss Speer was the winner of the Wolverine beauty contest last year.

Winter athletics are beginning to overcome the inertia of summer and fall. The swimming team under the coaching of Dick Rauch, assistant football coach, and the wrestlers and boxers under Jimmy Devers have begun serious practice and conditioning work. Director Barron is giving part of his time to track work and Coach Walker has had the basketball men at work three nights each week for long sessions during the past six



VIEWS AND COMMENT



Coach Yost's reply to the sentiments expressed in an article in the Detroit News just before the Michigan game is something all Aggies—students and alumni—can well afford to take to heart. There has been much loose talk about M. A. C. tactics without the slightest foundation in fact. Yost's answer to Branch should serve to show just where Green and White teams stand in this regard and bear the added weight of the investigation which he carried out following the contest in 1921.

Football is more or less a rough game with physical hazards which are not found in most American college sports. It requires endurance, strength, skill, a natural aptitude to carry out the demands of a severe contest, a quick mind and thorough application. Add to these attributes that of a team spirit which brooks no such thing as defeat, put eleven men on opposing sides and you have a merry mix-up which is likely to result in injuries to some. With his quarter century of football experience Yost is in a position to realize what the heat of a gridiron battle entails. In his reply to Branch he has enhanced his value as a coach by revealing the best instincts of a gentleman and sportsman.



There are few seasons of the year which accentuate the natural charm of the campus so much as the late fall with its early snow-storms. Trees have released their leaves and girded themselves for a period of rest. Their fallen garments are beds for the snowflakes as they make their uncertain flight to earth. There is added beauty in any scene when the gray clouds of winter shed their magic feathers and the whole vista is covered by a transparent curtain which barely dims the outlines of familiar landscapes.

The squirrels fat from their harvest of nuts, play gaily about the campus. They dash up and down the trees with a reckless abandon chattering with an earnestness almost human. With their hidden stores of food and their warm coats they have no apprehension concerning the coming of winter. They know they are in friendly territory where everything possible will be done to protect them.

Students hurry past seeking the protection of their coat collars. Though the chill blasts of winter be on the threshold the outlook does not reduce the enthusiasm of the light hearted undergraduate. He makes the best of all weather. In winter he slides along the walks, in spring and fall he wades through the puddles and in the more favorable seasons he strolls about enjoying his surroundings with the facility of youth. His coming contact

with the world is a dim blur on the horizon of his thoughts, yesterday is gone, today is here to enjoy to the full.

Faculty wits are being sharpened for the examinations and for the final effort to complete the prescribed work in the prescribed time. But neither students nor faculty can pass across the campus without breathing in some of its atmosphere of beauty. Snow clinging to the evergreens which carry summer's banner through the bare months, snow gracing the well kept lawns and dotting the hedges, its eternal white a symbol of hope untarnished by an adverse touch. The hand of Nature, the great artist of all, is practicing its craft. Apparently unappreciated here masterpieces are hurriedly passed but the memory lingers as an impression stamped indelibly upon the mind of the beholder. As an alumnus you recall your old campus as the most beautiful in the world and as such it should be ranked for summer, fall, winter or spring, its panoramas and inviting corners stand alone in their power to enchant.



The functions of the Union parties which have become a college institution during the past five years were outlined at the student forum at one of its recent meetings and the Union was criticized for not accomplishing the ends toward which it was pointed. As the students view it the parties are for the purpose of getting the men and women acquainted, giving the students the opportunity of acquiring social poise and through these media improving school spirit. Those attending the affairs were accused of a lack of chivalry and the parties were declared failures as a means of getting acquainted. Several means of bettering conditions were offered and it is expected that some of them will be given a trial at future parties. The Union is looked upon as the proper authority under which social experiments should be tried in an effort to give the entire student body a chance to take part in the social life of the campus.

Carl Sandburg, American poet, who makes his home in Chicago and has had a varied experience in life, appeared at the gymnasium Wednesday night on one of the numbers of the students' entertainment course and delighted a large audience with his readings and songs.

Several of the local societies have petitioned national fraternities for charters, some are hesitating before taking any step to affiliate with a general organization.

"Close Beside The Winding Cedar"

Lt. Col. T. L. Sherburne and Secretary H. H. Halladay have been made honorary members of the Eumonian society.

Ove F. Jensen, '14, who is an agronomist with the National Fertilizer association, visited the campus while en route for Washington, D. C.

The old Armory is undergoing its annual wear and tear administered by the various societies in preparing it for fall term parties. On successive nights it is a staid ball room or a yard full of cornstalks.

The Flint M. A. C. association will hold a meeting on December 7 when a representative will be sent from the laumni office to tell the graduates in that neighborhood of the work which the association plans on doing this year and what has been done to carry out the scheduled progress of the alumni body.

The farm mechanics course offers a special inducement to the short course students this year. They will be allowed to assemble their own radio receiving sets. In the course of time when the M. A. C. radio station starts its broadcasting these men will be in a position to profit through the programs offered by the college.

Scabbard and Blade, the honorary military society initiated the following men into the mysteries of the order during the past week. The culminating event of a long period of activities for the neophytes was a banquet at the Anchor Inn in Lansing. C. J. Carruthers, H. H. Every, A. A. Catlin, M. W. Landon, L. S. Ross and L. M. VanNoppen, all seniors in the R. O. T. C. course, were taken in.

Arrangements have been made to accommodate the staffs of the Holcad, Wolverine, Agriculturist and Union Opera in the Barrows house. In addition to these there is a room available for the use of student and faculty committees which is already well patronized. In this regard the Union house is becoming an institution and demonstrating the need for a larger structure with greater accommodations.

California holds the record for advertising, its praises are constantly being sung by its inhabitants and their enthusiasm for their state is so marked they never miss an opportunity to place its glories before those they consider less fortunate. We have had two indications of this, one in the picture Don Francisco sent in after the first call for snapshots for the class notes and again this week in the picture received from L. J. Woodin, '13.

France rising out of the ruins of war is barely a comparison to the devastation which can be seen in the center of the campus where the rough foundations for the new library dominate the landscape or the western end where the home economics building is being erected. While the former operations have not caused so great a change in the scenery the latter have wrought havoc in one of the beauty spots of the campus. Old Howard Terrace, which had stood for fifteen years as a little sister to the Coop, and for many years before that as a home for the faculty, was swept away for the builder. That corner with its curving walks and banked shrubbery is one which holds a strong appeal for M. A. C. graduates. It will live in memory long after the new home economics building rears its imposing Gothic facade over the landscape. This move was a step of progress, and decisive constructive action always leaves some regret until its significance is brought home.

BAND GIVES DANCE TO FINANCE TRIP

The M. A. C. band, under the direction of Capt. A. J. Clark, will furnish part of the music for a dance at the Arcadia in Lansing on the evening of December 1. Continuous music will be furnished the dancers. The Aggie musicians will alternate with the regular orchestra at the Arcadia. This is being done to help finance some of the contemplated trips for the band this winter and during the spring vacation.

It is expected that the band will visit several places near Lansing during the winter and that during spring vacation it will accompany the glee club on a tour of several of the central Michigan cities giving concerts as often as the schedule permits. The itinerary of the organizations has not been completed but Kalamazoo, Battle Creek, Muskegon, Jackson, Grand Rapids, Bay City and Saginaw are some of the places where they will be heard.

W. F. Patenge, '23, of Bay City, is manager for the band and asks that all alumni interested in having it visit their cities write to him at the Hermian house, East Lansing, for details as to the probable cost and dates available. The 1922 band is one of the best organizations ever boasted by M. A. C. and its appearance on several public occasions has brought it nothing but praise. It has the spirit typical of Aggie bands which is enough of a recommendation for the most exacting.

BAY STATERS PREY FOR AGGIE TEAM

Massachusetts Provides Little Opposition to Home Team; Homecomers Witness 45-0 Victory Over Easterners Who Are Outweighed

In the matter of scoring alone the Michigan Aggies' football squad ended its home season in a blaze of glory at College Field last Saturday when the Massachusetts Aggies fell before a more powerful aggregation and started their 1000 mile trip home in the daze of a 44 to 0 defeat. The easterners went down fighting a hopeless battle. Their team was outclassed. They handled the ball raggedly, showed poorly on defense and found no chance to exhibit an offense because the home team monopolized that end of the game. In appearance the Green and White was the heavier aggregation. The visitors, too, were playing without the services of their star and captain, Grayson. Time and again Barron's team was penalized for offside only to make up the extra yardage on an end run, a drive at the line or a forward pass. Either end was vulnerable to the fleet Aggie backs, the line was weaker than it was expected to be and the punting lived up to early reports. Barrows and Beal each tried his luck at booting the pigskin and each did his best when the pigskin soared for thirty yards.

As an exhibition of football the game was not inspiring except in the spots where the hosts for the day trampled on opposing tacklers or circled ends behind good interference for twenty yards or more. The Michigan representatives tried almost everything in their repertoire of plays and most of them succeeded except on several notable occasions when the Green and White had rushed the ball to its opponents one yard line and was forced to relinquish that chance for a touchdown.

It required excellent interference to keep the visitors from dragging down the home runners. They tackled with a clinging tenacity which at times baffled the efforts of the Michigan backs to dislodge. Their safety man, Barrows, was a star on defense.

To recount the best players on the Green and White eleven would be to name most of the squad, for before the game drew to a close, nearly all first string men had been given an opportunity to show their worth and they jumped at the chance. As it has in every game this season Capt. Bill Johnson's work stood out head and shoulders above the field. His punts averaged fifty yards, he circled the ends for gains, captured forward passes repeatedly and drove through the line on long gains. Johnson completed his work on the home field as captain of the Aggie team in a manner befitting an Aggie leader.

Garner, of Yale, who refereed the game, said the Aggie team did its best work of the

season on Saturday and he had officiated in three of the contests they had played. Some of the details of the game follow:

Upon receiving the kick off the visitors, defending the north goal, attempted a lateral pass. The ball went out of bounds on their 16 yard line. Aggie backs made short gains through the line after recovering a Massachusetts fumble on the first play and Robinson tried a place kick on the fourth down which was just a trifle wild of the goal. After exchanging punts the Bay Staters maneuvered the ball to the middle of the field where Johnson intercepted a pass and ran all the way to the goal line. He was called back to his opponents' 32 yard line for stepping out of bounds. A forward pass, Richards to Johnson, netted 22 yards, Richards to Goode made five more. Johnson hit the line for four yards and Goode went around left end for a touchdown. Robinson's place kick was wild. Score: Michigan 6, Massachusetts 0.

The Aggies received the next kick off and held the ball all during a march down the field for a touchdown which Goode again tallied by a trip around end. Robinson's attempt for goal was allowed because an opponent was offside. Score: Michigan 13, Massachusetts 0.

Robinson received the kick off on his 25 yard line and returned it ten yards. The Aggies were penalized five yards and Johnson romped through tackle for 25 yards, putting the ball down on the Massachusetts 42 yard line. Goode went around left end for four yards and the Aggies again came into the displeasure of the officials, losing fifteen yards for holding. Johnson retaliated by carrying the ball through to the Massachusetts 22 yard line. Three plays failed to gain and Robinson tried a place kick from the 35 yard line. He missed a goal by inches. The Bay Staters took the ball on their 20 yard line and punted to Richards on his 30 yard line. Rollie was injured on the play when the easterners piled over him in a heap and he was assisted from the field, being replaced by McMillan just as the quarter ended.

Johnson and Goode made first down through the line and a pass, McMillan to Lioret, put the ball on the Massachusetts 40 yard line. Johnson made 25 yards around left end and was brought to earth by Barrows on his 15 yard line. Lioret made a short gain and McMillan went over for a touchdown but the ball was called back and the Aggies lost five yards. The scoring spurt was halted when an incomplete forward pass dropped over the goal line.

Massachusetts punted poorly from its 20 yard line and Johnson received the ball only 35 yards from the goal. End and line yielded first down and Sargent captured a forward pass which had passed out of bounds. A forward pass and three line plunges netted another touchdown when Lioret went over the goal line. Robinson's place kick was successful. Score: Massachusetts 0, Michigan 20.

Neller and Beckley replaced Lioret and Goode. Beckley returned the kick off to the Aggie 35 yard line. Four penalties were inflicted upon the Aggies during the next few plays. Barrows ran 30 yards around left end for the Bay Staters' first notable gain. The next three plays failed and Barrows kicked to the Aggie 40 yard line where a Massachusetts man recovered the ball. A forward pass gained three yards and on an attempt to punt the center passed the ball over Barrow's head and the latter recovered on his own 20 yard line. Neller, Johnson and Beckley gained the ground for a touchdown. Robinson failed at goal. Score: Massachusetts 0, Michigan 26.

Johnson received the kick and the ball was on the Aggies' 22 yard line when the half ended.

Kipke was substituted for Hultman. Johnson kicked over the goal. Three plays made seven yards for the visitors and Barrows kicked to Johnson who was downed on the Massachusetts 38 yard line. On the second play Johnson went around right end for a touchdown but was called back to the opponents' 25 yard line where he had stepped out of bounds. The visitors stopped a forward pass on their 10 yard line and kicked to their own 35 yard line. Johnson scored the touchdown. Robinson's try for goal failed. Score: Michigan 32, Massachusetts 0.

After Eckart had received the kickoff on his 3 yard line Johnson circled right end for 25 yards. The ball was within the 20 yard line when Brady replaced Johnson in the backfield. Shortly after this Brady kicked close to the Massachusetts goal and a bad pass put the visitors in a serious position. Barrows' punt was good for but ten yards. A forward pass, McMillan to Brady, netted another touchdown. Beckley drop kicked the goal. Score: Michigan 39, Massachusetts 0.

Graves, Robson and Thorpe went into the lineup for Teufer, Taylor and Morrison. Brady punted to the Massachusetts 25 yard line after Eckart had received the kick off and the line plays had failed. Then the quarter ended.

The Massachusetts backs made five yards through guard and then Beckley intercepted a forward pass on the visitors' 37 yard line. McGregor and H. Swanson replaced Robinson and Eckart. Brady caught a long pass and was dropped four yards from the goal. Neller carried the ball over. Beckley failed to drop kick. Score: Michigan 45, Massachusetts 0.

Hughes and Crane were substituted for

Morrison and McMillan. Neller carried the kick off to his 21 yard line. Several passes were good for short distances but finally the Massachusetts linemen stopped the advance with the aid of several penalties and Brady punted short to Barrows who was dropped on his 47 yard line. Thorpe recovered a fumble on the visitors' 40 yard line. Crane to Brady took the ball to the 20 yard line. Massachusetts held on its 12 yard line and the ball went over. Frank went in for Brady and intercepted a pass on the Massachusetts 15 yard line. Barrows intercepted a pass meant for Kipke but failed to advance on successive tries and the whistle stopped further action.

The lineups:

Mass. Aggies	M. A. C.
Marshman	L. E. Hultman
Salman	L. T. Eckart
Mudgett	L. G. Taylor
Alger	C. Eckerman
Nowers	R. G. Morrison
Mohor	R. T. Teufer
Bike	R. E. Robinson
Barrows	Q. B. Richards
Beal	L. E. Johnson (Capt.)
Tumley	R. H. Goode
McGeoch	F. B. Lioret

Referee: Garner, Yale. Umpire: Mallard, Michigan. Head Linesman: Mitchell, Michigan.

Time of quarters, 15 minutes.

George Gauthier's Ohio Wesleyan team lost 13 to 0 to Denison college while his alma mater was drubbing the Aggies from the east.

Rollie Richards was not seriously hurt when he was taken out of the game and he may be in shape to direct the team against St. Louis on Thursday.

Regular games have not been productive of injuries on the Aggie squad this season. Scrimmage has taken the heavier toll.

With the scent of real victory in their nostrils the Aggie players left Tuesday for St. Louis to meet the heavy team of St. Louis university. The elevens are considered evenly matched with the exception that the westerners will play on their home field while the Aggies will have a long trip on their hands.

A meeting of the Varsity club was held after the game. Old wearers of the monogram were invited to meet with the squad and then all members gathered for a regular session.

A total of 65 yards in penalties was imposed upon the Aggies while their opponents were much more fortunate. The Green and White players had a tendency to start before the ball was snapped and several of their starts were costly in the matter of touchdowns.

WIDER FIELD OPEN FOR FORESTERS

Prof. Chittenden Says There Are More Positions Than Men—Remarkable Promotion of Graduates in Technical Work.

A more general demand for trained foresters and a change in the course at the college so it fits men for various positions has doubled the average number of students in the department in the past five years, according to Prof. A. K. Chittenden, who says there are now more positions open for M. A. C. graduates than he has men to supply. From the original idea of training men to pass the civil service examination for positions with the forest service to a much more general field of usefulness has been the experience of this unique mixture of agriculture and engineering which is touched up in several spots and christened the forestry course.

Great public utilities are finding that they must have experts to handle the problem of putting their lines through the countryside without incurring the wrath of the inhabitants through an indiscriminate destruction of natural beauty. Firms dealing in timber have lately felt the need for experienced technical men to protect them against the frauds which have become somewhat common in the lumber industry where inferior woods are sometimes shipped instead of the more satisfactory kinds and the ordinary eye is not sufficiently keen to detect the difference. Progressive lumber companies with some idea of the value of conservation have called for trained men to solve their problems. Manufacturing concerns using kiln dried products ask for experts in that line and the department is prepared to furnish them. A more or less new branch for foresters is that which treats of the effects of chemicals upon woody fibre, battery manufacturing firms are interested in this and there are many other fields outside of national, state and city forestry which are being opened to the M. A. C. forester.

Not alone does this department, consisting of Professor Chittenden, J. C. DeCamp and P. A. Herbert train forestry experts but it is doing its share to aid the lumber industry of Michigan in solving the problems which confront it, counselling the farmer in the conduct of his woodlot and providing to the people of the state thousands of young trees each year for planting in woodlots or along highways or in other public places. It is training men to meet the needs of the commercial world and doing its best to prevent the public from consuming its heritage of timber without providing for the future.

"Michigan forestry problems are constantly becoming more important features of the industrial situation as the wood supply decreases and the demand increases," said Prof. Chittenden. "There are now hundreds of

manufacturing plants in this state which use wood or wood products. These firms are finding that they need trained men with a thorough technical knowledge of timber. They come to us with their problems and we have experts to fit their needs. During the past few years we have developed our courses in wood utilization and preservation so that most of our graduates can now find work within the state. In fact there is at the pres-



Prof. A. K. Chittenden

ent time a surplus of positions over the men to fill them and all our recent graduates are connected with forestry work.

"We are working on a forestry policy for the state. We want to see a progressive program in forest taxation and reforestation adopted so the lumber industry will have a chance to live and continue producing after the first growth timber is all cut.

"Our department is the only one in the state which actually aids the farmer and woodland owner. Our woodlot studies and work of a similar nature on demonstration areas throughout the state have given us an opportunity to benefit the public. With the college nursery annually shipping thousands of seedlings we can help to keep the roads of the state from

losing their lines of shade trees, give watersheds a protecting covering and utilize land which would otherwise be lying idle.

"Through an intensive development of forestry resources at the college we are giving the farmer and woodland owner an example striking enough to take the lesson home to him. The records of our work and an inspection of the areas which we are handling are enough of an inspiration to spread the truths of conservation and proper handling without much further effort on our part.

"An advantage which we have over the other departments at M. A. C. is the summer term which is held between the sophomore and junior years at some point in the hardwood forests of northern Michigan. This gives the members of the department an excellent opportunity to become acquainted with their classes and takes the men out where they face working conditions. This is also a valuable bit of advertising for the college. The school is held in different places each year and thus the college is brought before an ever widening circle of people.

"We are favored by an unusual spirit of cooperation between the students and the members of our staff. This means much to the success of the course. Our graduates have carried this spirit out into the world with them. More than 60 per cent of the men who have completed this course are still in forestry work of some sort and that is a very large proportion for an undergraduate technical course.

"We are training men to fit the needs of the hour and, so far as we can judge, those of the future. Most of those who complete this course enter commercial work of some type, a small percentage go into the federal service.

We cooperate with the manufacturer, the farmer and the woodland owner in solving his problems relating to trees and their products and we are doing all we can to shape a constructive forest program for the state. We serve the state directly and through our students. I believe we are accomplishing a large share of the purpose for which the department was founded."

Professor Chittenden is assisted in conducting the forestry department work by J. C. DeCamp, '10, who has had ten years' experience in the federal forest service, and P. A. Herbert, a recent graduate of Cornell. The former handles courses in silviculture and utilization and the latter teaches wood technology and dendrology.

Attractive Homecoming folders with the program for the day were distributed by a committee of the Varsity club.

The Detroit club is functioning with its usual pep and luncheon meetings are held each Thursday. S. B. Lee, '17, has promised to again contribute a 'Detroiters' column to the Record but thus far this fall the muse has failed to work.

Ride the Highway

THE BETTER WAY

The Highway Motor Bus company announces an hourly schedule between Detroit and Lansing beginning October 10, 1922.

Our aim is to furnish the traveling public a better means of motorized transportation than any that has heretofore existed. Specially designed equipment. Organized, financial responsibility; courteous, capable drivers; individual coverage with adequate insurance, and schedules rigidly maintained.

ASSURES OUR PATRONS

of

Safe, Clean, Dependable Service

Special 10-passenger cars may be chartered for round trips to East Lansing or Detroit.

Detroit Terminal, 231 Bagley avenue. Phone Cherry 1484.

Lansing Terminal, 116 N. Grand avenue. Phone Bell 1476.

East Lansing Station, College Drug Store.

Tickets, reservations, schedules at any station.



THE MAIL BAG



"CHAPPIE" FINDS LOYALTY LACKING

Dear Mac:

In your harrowing account of the 63-0 debacle one thing stood out like a sore thumb—the band acquitted itself with its usual credit.

Every since Professor Clark came to M. A. C. we have always been able to depend on the band to uphold the honor of M. A. C. There is an "elan" about the Aggie band that other college bands can't even approach. It must be in leadership as it would be ridiculous to suppose that M. A. C. gets better band material than other institutions of the same size. Esprit de corps and leadership—particularly Professor Clark's leadership—seems to have put the M. A. C. wind-jammers far ahead of the field.

But I'll venture to state that for every likely candidate for the band there are six for the football team. For every man with a germ of music talent there are half a dozen M. A. C. men whose physical attributes would make them welcome on any football squad in the country. Why is it then that for the last five years we haven't had a team we didn't blush for?

We have more students than Princeton, Washington and Jefferson, Penn State, Notre Dame, West Point and a score of other colleges whose gridiron records year after year have placed them in the limelight. And we have ten times the potential material of Wabash, Albion, Kalamazoo, Ohio Wesleyan, South Dakota and other small colleges which have lowered our colors.

If we are going to have a football team at all, let's have a good one or drop out of the game. Let's have less talk about "the boys fought gamley, but lost" and more about "you can't lick a team that won't be beaten."

It may be lack of leadership and direction that has been responsible for the disgraceful gridiron record for the last four or five years, but I rather think it is the fault of the undergraduate body which would rather yell their heads off from the bleachers than risk the discomfort of making at least a try for the team.

We had a colored boy a few years ago—one Gideon Smith. Prejudice kept him off the squad for a year. Finally he appeared in a tattered old suit that he paid for himself out of his scanty earnings. The coach said that if he had that much spirit he was going to get a square deal. Smith turned out to be one of the greatest tackles in the country. He not only was a marvelous player but one of

the cleanest sportsmen that ever wore the monogram. Many was the time when the opponents, failing to gain through Gideon's side of the line resorted to the dirtiest kind of rough stuff, but Smith never lost sight of the fact that he was a sportsman and a monogram man. Blake Miller once threatened to lick a man five times his size because he had been slugging Smith during the scrimmage.

Some of the present generation could well emulate Smith in his honest desire to give the best talent he had to his Alma Mater.

But if the students and the alumni don't care enough about having a team that will do full credit to the Olive Green, to fight for one, they don't deserve anything better than they have had during the last few seasons.

Sincerely,

Wm. Carl Chapman, '09.

320 Central Park West,
New York City.

BIBBINS MEETING NEW YORK ALUMNI

Dear Sod Busters:

Doing a whale of a business, featuring Michigan grown seeds. Now selling and shipping all over N. Y. state as well as in New Jersey, Pennsylvania, Virginia and the New England states. Farmers swear by the seed and repeat orders are already coming in. Handle 3,000,000 lbs. last year and expect to approach the 5,000,000 mark this year.

Quite a few M. A. C.'ers in this state but I have only run across a few which are enumerated below.

Dean Nye, '12, Syracuse University. Most popular dean on the campus.

Prof. Howe, '10, Syracuse University. Everyone admires him.

Prof. Hub Hartwig, '21, Syracuse University. Going big in his new position.

Herbert Comstock, '16, Syracuse University. Poultryman, grape grower, student and having a lot of fun.

Joe Ryan, '18, fruit broker, Syracuse, always on the go, now wearing new overcoat.

Charles Silcox, '20, associated with the writer.

Alonzo Chase, '07, Messena. A big farmer and a real community booster.

Martin Carmody, '18, Albion. Too busy to call on writer.

Williard Anderson, ex-Aggie, was voted to be the most valuable player on the Syracuse football team, also president of the senior class. Tore Pittsburgh, Penn State and Ne-

braska lines to pieces in addition to playing a wonderful defensive game.

I understand that Pug Parks and Gregg Perral are in the state. I won't say a word for either until I hear from them. There is a hort over at Lockport, some people call him "Blackie," I'll call him something worse if he doesn't write very soon.

Sorry the Aggie football team is having such a tough time of it, but I believe in that team and in our athletic department, and know that they will come through somehow. Don't be impatient, but do our own bit of work towards building a winner and we will have one some day 'ere long.

This is no time to sob or get blue, load up the gun and start forward again. It's everybody's job and responsibility and in this case it is a job that will be done. Let's put it over with a wallop.

A. L. Bibbins, '15.

Syracuse, N. Y.

DEATH OF BEACH TOLD BY VOLZ

Dear Mac:

This fall quarter has been so full of everything that I found great difficulty in coming up for long enough to fill out the blue slip and accompaniment to same. You're welcome!

It may be of interest to many Hort alumni to know that Prof. S. A. Beach, head of the hort department at Iowa State College and vice-dean of agriculture, passed on November 2. He was widely known as an authority on fruit growing, and especially noted for his two volume publication, "The Apples of New York."

The report of progress of the new head of the department of horticulture at M. A. C. sounds good to all alumni. This and the other good news included in recent issue THE RECORD help to "sugar coat" the bitter pill of 63 to 0 rolled up on Ferry Field November 4.

E. C. Volz, '14.

The November meeting of the Berrien County Alumni association was held at the home of Frank and Clara (Jakway) Culby the first week in November.

The evening was pleasantly spent in "listening-in" on radio concerts from Chicago and Atlanta. Any M. A. C.'ites having greetings to send to alumni in Berrien county can ship them by radio, as we are prepared to catch anything. A large number of alumni heard President Friday deliver a fine talk at his home town of Coloma at a recent meeting of the Coloma Forum.

L. R. Stanley, '16, Sec'y.

Grand Rapids members of the M. A. C. association are also planning a meeting within the next ten days when the officers of the local organization will be chosen.

E. N. PAGELSEN, '89, Patent Attorney
1108-9 Detroit Savings B'k Bldg., Detroit

THE CORYELL NURSERY

Ralph I. Coryell, '14 R. J. Coryell, '84
Over 60 acres Full of Growing Nursery Stock.
We Furnish Planting Sketches and Estimates.
Send for Our Price List and Landscape Booklet.

Plan Your Spring Planting Now
Birmingham, Michigan

THE GRAND RAPIDS SAVINGS BANK

Grand Rapids, Michigan

"The Bank Where You Feel at Home"

M. A. C. People Given a Glad Hand.
Chas. W. Garfield, '70, Chairm'n of the Board.
Gilbert L. Daane, '09, Vice-Pres. and Cashier

MEET YOUR FRIENDS at the SUGAR BOWL

ENGRAVINGS

made by Lansing's Up-to-the-minute Engraving Company are equal in every particular to those made in any plant in the country and the service *better* because of our location

Lansing Colorplate Co

230 Washington Ave. North

Citr. Phone 51567

Bell 1904

LARRABEE'S SPORT SHOP

Sporting and Athletic Goods
Exclusively

CLASS NOTES

Good snapshots of yourself at work, at play, or with your family will be used in the Record if they are suitable for making cuts. Let your friends see you as you are. In sending pictures be sure they are fully identified as to names and places and are as clear as possible.

^{'98}
F. V. Warren is an engineer and contractor in Swarthmore, Pennsylvania, and lives at 517 Walnut Lane.

^{'99}
S. L. Ingerson may be addressed 1727 Idaho avenue, Chickasha, Oklahoma.

^{'02}
D. S. Bullock is again in the United States and may be reached at the Bureau of Agricultural Economics at Washington.

Charles Ludlow reports no change from R. F. D. 5, Albion, Michigan.

^{'03}
T. P. Chase is living at the General Motors Engineering club at Dayton, Ohio, while his family is getting settled in Detroit. He will remain in Dayton until some disposition may be made of their former home. He expressed regrets that he would be unable to attend the Homecoming festivities on the campus.

^{'08}
P. C. Schroyer mails his blue slip from Bangor, Michigan.

^{'09}
Catherine Koch writes from Northhampton, Massachusetts, where she is assistant professor of landscape architecture at Smith college: "Because of conditions in the department at Smith College, I found it necessary to decline the fellowship awarded me by the American Scandavavian Foundation. I was, however, able to spend the summer with the 'School of Landscape Architecture in Italy.' With the help of the director of the American Academy at Rome, fifty-four villas were visited, largely in the region of Naples, Rome, Florence and the Italian lakes. We spent a short time in Germany and a little while in France and England en route."

^{'10}
A. L. Capmbell is "still stock ranching and spud growing" at Lysite, Wyoming.

^{'11}
Herbert I. Duthie was struck by an automobile recently and suffered a severe scalp wound. He was taken to St. Mary's hospital, Grand Rapids, and has recovered. Herb and Winifred Felton Duthie live at 332 Carlton avenue, Grand Rapids.

^{'12}
F. L. Barrows is trying to interest the Plymouth (Michigan) Board of Commerce to give the high school football team a complimentary dinner. More power to him.

C. G. Burns has "removed" from 1063 Seward avenue, Detroit, Michigan, but neglected to inform us of his new address.

^{'13}
Ruth Russel is again teaching in the Lansing high school. She spent the summer at Chicago University where she saw several M. A. C. people, among them, Jean Avery Fisher '13, and Welton Fisher, at whose home she spent a very pleasant week-end. Miss Russel is living at 415 Madison street.

E. C. Kiefer and Helen Haight ('12) Kiefer are no longer living at 602 Ash avenue, Ames, Iowa, but neglect to inform us of their present address.

Noting your recent request for snaps am attaching herewith a little advertisement for Sacramento and California in general. As you may have noted from the press reports in the early spring, Sacramento put on a Days of '49 Celebration. The natives reverted to their original types, or as near the original types as possible, and the attached is as far as the Woodin aggregation could go. Betty, our

six-year-old prospective co-ed is not doing the hula dance, but is extracting a gold nugget from her foot. Elsie, our two and a half year old prospective co-ed has just swallowed one and is trying to recover it. Mrs. Woodin (Ferne Liverance '14), doesn't seem to mind it at all. Am sorry the light was not better as yours truly had a two months' growth of spinach that all of us were mighty proud of (?).

We are all of us still operating as legalized bootleggers squeezing out an existence from grapes, juice, table, wine, etc. So far we have been able to spueeze out an existence, and hope to be able to continue indefinitely.

At San Francisco a few days ago, I called in on Prof. Eustace and sponged a lunch. He is looking like a million dollars and seems to be continually on the go. Spence Esslysten '13, and Mrs. Ess. (Phene Blyn '18) are still here in Sacramento. Spence is in the same line and with the same firm as myself. Recently spent a day with Art Hendrickson at Mt. Grove. Art is in charge of an ex-



periment station for the U. of C., and from the looks of things there he has his hands full.

Would like to get back to the old cow college for a game this fall, but it is too far to walk. The next best thing is to see the Stanford and U. of C. game at Palo Alto next Saturday. Expect U. of C. will trim the pants right off of Stanford, but there will be fifty to sixty thousand people there, lots of fine rooting and plenty of peanuts and pop. We are anticipating a good time.

Sincerely,

IRVING J. WOODIN, '13.

^{'14}
L. C. Milburn, chief engineer for the Glenn L. Martin Company of Cleveland, Ohio, sends in the following: "Please change my address to 1233 East 142 street, East Cleveland, Ohio, where I have bought a new home. Since writing last the family has been increased by a somewhat, it must be admitted, red headed son, who arrived on June 1 of this year. While he is undoubtedly still too young to read the football results, he seems, nevertheless, keenly disappointed about something this fall."

E. A. Marklewitz is living in Lansing at 418 W. Kilbourn street. He notes on his blue slip: "I am now an instructor at the Central High School of Lansing in school shop and shop mathematics. These are subjects for students taking the industrial course which prepares them to get first choice to be selected as apprentices in the apprentice departments of well established industries."

J. C. Alderdyce is "not at" 16081 Edwards street, Highland Park. His latest address is not on file here in the office.

Ezra Levin is director of the Bureau of Agricultural Development of the Department of Agriculture at Lansing. Other M. A. C. men in the Department of Agriculture are, William C. Geagley '12, chief chemist; Horace W. Norton, Jr., '03, director of the Bureau of Animal Industry, and T. H. Broughton '15, director of the Bureau of Dairying.

E. C. Volz is in the department of horticulture at the Iowa State College. He has charge of work in floriculture and vegetable crops. He reports that Chet Spaulding '14, continues to be a weekly visitor

at Iowa State College in the interest of Carpenter Paper company of Des Moines.
Frank E. Phelps is estimate engineer with the Michigan State Telephone company in Detroit, but is now living at 69 Adeline avenue, Dearborn.

'15
W. Roy Thompson is spending the winter at his home in Grindstone City, Michigan.
Frances Hilton Lincoln is "keeping house for two and doing some extension work once in a while on the side" and lives at 243 Pugh street, State College, Pennsylvania.
Karl Meschke gets his mail from Box 462, Brunswick, Georgia.
F. M. Keyes is with the Mutual Orange Distributors, as manager of one of their packing houses. He lives in Upland, California, at 673 East 11th St.
William J. Baker is at home at 110 Sayre street, Midland, Michigan.

'16
A. Davis is in Detroit with the American Loan and Trust company, 131 West Congress.

'17
Neil A. Clifford reports his mailing address as 3649 W. North street, Indianapolis, and his chief occupation looking after the wants of two youngsters, a girl three and a boy two months old. As a side line he is in the acetylene end of the game at the Prest-O-Lite company.
Dr. D. M. Allen has moved from Chicago to 116 N. Kenilworth avenue, Glendale, California.
Mr. and Mrs. M. S. Tarpinian announce the arrival of Vanoochy Gloria on November 14.

'19
Ada F. Cobb has returned to Omaha, Nebraska, where she lives at 1310 Park avenue.

'22
Robert Houston is in the factory of C. H. Wills & Company at Marysville, but lives in Port Huron at 2717 Gratiot avenue. He reports J. R. Wellman teaching in the Washington Junior High at Port Huron.

Mina Lawrence is teaching home economics in the high school at Crosby, North Dakota.
Edward Clifford is in East Lansing at 803 E. Grand River.

Roseberry-Henry Electric Co.
Jobbers and Manufacturers' Agents
Grand Rapids, Mich.
Dan Henry, '15, Ass't. Mgr.
Oldest and Largest Contracting and Repair Department in Western Michigan.

Investments---
in Real Estate Securities have stood the tests of ages. They are Safest. Our systematic thrift plan permits an immediate investment of savings at rates of from 6% to 7%.

Real Estate Shares. Straus Mortgage Bonds.

Send for our folder "Safety the First Consideration"

F.B. McKIBBIN COMPANY
LANSING MICH
Bond Dept.
C. W. McKibbin, '11 W. N. Cawood, '18

All Together, Now!!!



Are you ready when the song leader gives the signal?
When the bunch sings the old songs don't just hum the tune.
All of M. A. C.'s best songs, with the music, are included in an attractive booklet of convenient size.
You boosters of the Green and White need it on your pianos.
It is indispensable for branch association and club meetings.
Your copy will be mailed prepaid upon receipt of 50 cents at the alumni office.
Attractive prices for group orders.
The proceeds will be applied to the Memorial Union Building Fund.

IF YOU WOULD HAVE REAL SERVICE---LET M. A. C. MEN SERVE YOU

WALDO ROHNERT, '89,
Wholesale Seed Grower. Gilroy, Calif.

Harold M. King, '19, Wholesale Seeds
H. C. King & Sons, Battle Creek

A. M. EMERY, '83
223 Washington Ave. N.
H. C. Pratt, '09, in charge of Office Supply
Department.
Books, Fine Stationery, Engraved Calling Cards,
Fountain Pens, Pictures, Frames, Filing
Cabinets and General Office Supplies.

THE EDWARDS LABORATORY
Lansing, Michigan
S. F. Edwards, '00
Anti-Hog Cholera Serum and Other Biological
Products, Legume Bacteria Cultures
for Seed Inoculation.

LANDSCAPES WITHOUT WAITING
Plans by Graduate Landscape Architects
F. A. Carlson, '16
508 Mathews Bldg., Milwaukee, Wisconsin

Fred M. Wilson, '17; Einar A. Johnson, '18
602 Lansing State Savings Bank Bldg.,
Lansing, Mich.

**The Equitable Life Assurance Society of the
United States.**
Life Insurance, Health, Accident Insurance.
Citz. 3556. Bell 2646.

AMERICAN EXTENSION UNIVERSITY
Correspondent Courses—40,000 Students
A. C. Burnham, B. S., LL. B. (M. A. C., '03).
Pres., 123 Stimson Bldg., Los Angeles;
Suite 1108 Wrigley Bldg., Chicago.
Suite 17, 729 6th Ave., New York.
Unusual opportunities for M. A. C. Men as
Specialty Salesmen.

HILCREST FRUIT FARMS
Fennville Michigan.
H. Blakeslee Crane '14—Muriel Smith Crane, '14
We are members of the Fennville Fruit Exchange—
the largest in Michigan.

**Finest of Michigan HONEY produced at
Clover Ile Apiary, Grosse Ile, Mich.**

BASIL T. KNIGHT '20
Attractive prices to M. A. C. folks.
Shipped anywhere, delivered in Detroit.

LOUIS BECK CO.
112 Wash. Ave. N.
Sam Beck, with '12, Sec'y and Treas.
Best in Clothes for Men, Young Men and Boys
Royal Tailored Garments to order.

FRY BROKERAGE CO., INC.
Shipper's Agents
Car-lot Distributors of Fruits and Vegetables
192 N. Clark St.
M. Fry, President; H. P. Henry, '15, Vice President
and Treasurer; V. C. Taggart,
'16, Secretary.
Oldest Brokerage House in Chicago.

Howe, Ruch & Jenison
STOCKS—BONDS—REAL ESTATE
(O. C. Howe, '83)
Capital National Bank Bldg. Lansing, Mich.

**BREEDER OF HOLSTEIN CATTLE AND
HAMPSHIRE SHEEP**

C. I. Brunger, '02
Grand Ledge, Michigan.

EDMUND H. GIBSON, '12
Consulting Entomologist and Agricultural
Engineer and Staff of Sanitary and
Civil Engineers.
508 Munsey Bldg., Washington, D. C.

TWENTIETH CENTURY RADIO CORP'N
L. V. Williams, Manager.
Distributors of Westinghouse, General Electric,
Western Electric Radio Apparatus.
2311 Woodward Avenue, Detroit, Mich.
Phone Main 7809.

GOODELL, ZELIN C.
(Forestry, M. A. C., '11)
Insurance and Bonds of Every Kind.
If you haven't insured your salary, better see or
write Goodell about a good proposition.
Lansing Insurance Agency, Inc.
208-211 Capital National Bank Bldg.

Write Today ——— Do Not Delay
The season is advancing

THE MARL EXTRACTOR CO.
(Not Incorp.)
Marshall, Mich. W. G. Merritt '93

FARGO ENGINEERING CO.
Consulting Engineers Jackson, Michigan
Hydro-Electric and Steam Power Plants
Horace S. Hunt, '05.

Barker-Fowler Electric Co.
Electrical Supplies—Motors
Radio Equipment

Mail Orders
117 East Michigan Ave., Lansing

BOSTON CAFE
115 S. Washington Ave.
Where the best food is served

East Lansing State Bank

is Glad to Serve in Any
Way It Can.

The Readers of the Record Own It. That's Why They Patronize Its Advertisers.