

LIBRARY
MICHIGAN STATE COLLEGE
OF AGRICULTURE AND APPLIED SCIENCE

The M.A.C. RECORD



Michigan Agricultural
College Association
Publishers ■ East Lansing

Vol. XXX. Aug. 31, 1925 No. 35

Published for Alumni and Former Students
of
MICHIGAN STATE COLLEGE

The M. A. C. RECORD

Established 1896

Published for the alumni and former students of the Michigan State College by the M. S. C. Association.

Published weekly during the college year and monthly during July, August and September; thirty-five issues annually.

Membership in the M. S. C. Association, including subscription to THE RECORD, \$2.50 per year.

Unless members request a discontinuance before expiration of their memberships it will be assumed a renewal is desired.

Checks, drafts and money orders should be made payable to the M. S. C. Association.

Entered as second class matter at the post office at East Lansing, Mich.

ROBERT J. McCARTHY, '14, Editor.

THE M. S. C. ASSOCIATION

Union Memorial Building

OFFICERS—1925-26

Frank F. Rogers, '83, Lansing, President
 Arthur C. MacKinnon, '95, Bay City, Vice-President
 Luther H. Baker, '93, East Lansing, Treasurer
 Robert J. McCarthy, '14, Secretary

EXECUTIVE COMMITTEE

Members elected at large

Henry T. Ross, '04, Milford, Mich., Term expires 1928
 Clifford W. McKibbin, '11, East Lansing, Term expires 1926
 G. V. Branch, '12, Detroit, Term expires 1927
 W. K. Prudden, '78, Coronado, Calif., ex-officio
 Harris E. Thomas, '85, Lansing, ex-officio
 E. W. Ranney, '00, Greenville, ex-officio

BRANCH ASSOCIATIONS

In Michigan unless otherwise noted.

BARRY COUNTY	NORTHWEST MICHIGAN
BERRIEN COUNTY	OTTAWA COUNTY
BAY CITY	PORTLAND, ORE.
CENTRAL MICHIGAN	ST. CLAIR COUNTY
CHICAGO	ST. JOSEPH COUNTY
DETROIT CLUB	SEATTLE, WASH.
FLINT	SOUTHERN CALIFORNIA
GRAND RAPIDS	SOUTH HAVEN
MILWAUKEE, WIS.	WASHINGTON, D. C.
NEW YORK CITY	WESTERN NEW YORK
NORTHERN OHIO	WESTERN PENNSYLVANIA

THE M. A. C. RECORD

Vol. XXX. No. 35

EAST LANSING, MICHIGAN

AUGUST 31, 1925

MUMFORD, '91, AUTHOR OF NEW LAW

Dean of Missouri College of Agriculture Credited by Alumni Publication With Writing Measure Providing Funds for Certain Phases of Agricultural Research.

According to the Missouri Alumnus, F. B. Mumford, '91, dean of the college of agriculture of the University of Missouri, is the author of the bill signed by President Coolidge in February through which funds are made available for research in problems affecting the marketing of farm products and phases of rural life. The article follows:

One of the most important and far-reaching laws in the interests of agriculture, prepared by Dean F. B. Mumford of the Missouri College of Agriculture, was approved by President Coolidge on February 24, 1925. This law provides for increased appropriations to the colleges of agriculture of the several states for scientific research in the interest of agriculture. The bill provides for an initial appropriation of \$20,000 for the first year and \$10,000 additional each year thereafter until the total appropriation shall have reached \$50,000 annually. The provisions of the bill limiting the use of these funds are indicated by the following quotation from the bill itself:

"The funds appropriated pursuant to this act shall be applied only to paying the necessary expenses of conducting investigations or making experiments bearing indirectly on the production, manufacture, preparation, use, distribution and marketing of agricultural products and including such scientific researches as have for their purpose the establishment and maintenance of a permanent agricultural industry; and such economic and sociological investigations as have for their purpose the development and improvement of the rural home and rural life, and for printing and disseminating the results of such researches."

The administrative features of this bill are similar to those of the Hatch and Adams acts providing funds for agricultural experiment stations, but the uses for which these funds may be expended are broader and place emphasis upon certain phases of agricultural research in agricultural economics, home economics and rural sociology. The increased emphasis upon the business side of farming is a recognition of the importance of world economic conditions in the development of agriculture. The prosperity of the farmer is not alone dependent upon efficient production methods, but is determined by economical methods of distribution and marketing. Investigations in distribution and marketing of farm products will therefore be undertaken by all the stations benefiting from this act. The bill also recognizes that the solution of the rural problem involves rural conditions. It therefore provides for investigations of the rural home and rural living.

It is clear from a careful reading of the provisions of this bill that its authors had in mind the establishment of a permanent and efficient agricultural industry and the development of a contented and satisfied rural people. The provisions of the bill are broad enough to include every phase of the production, manufacture, preparation and use of the farm products, as well as broad problems of agricultural economics, home economics and rural sociology.

This magnificent endowment for agricultural research, added to amounts already available, will represent a major endowment of approximately \$250,000,000 and an annual income of more than \$10,000,000 for the state experiment stations.

BURNHAM, '93, ENDOWS SCIENCE FELLOWSHIP

The following statement on the business transacted by the State Board of Agriculture at its June meeting is issued by President Butterfield.

The State Board of Agriculture at its meeting June 19 accepted a fellowship established by Mr. A. C. Burnham, class of 1893 and his wife, Mrs. Madge Brodie Burnham, in memory of their son, Don, who died in 1906, age six years. This fellowship is for the benefit of applied science, the income from \$5,000 to be given to the graduate of M. S. C. each year, beginning with the graduates of 1926, male or female who has earned at least half of his or her expenses during the preceding four years while attending College; who desires to remain in residence for another year and devote himself or herself to original study and research in the application of the known knowledge of any science to any of the problems of life, and who will teach three hours per week in that department in which his or her major work is done—to be given to that graduate who, in the judgment of the faculty, is most likely to add to the world's knowledge of the useful and practical applications of any science to any of the problems of life, preferably economic, social, psychological, or life-planning problems.

Action was also taken to make the following members of the staff full professors in their respective departments with titles to correspond, same to take effect immediately: Dr. R. C. Huston, chemistry; Dr. C. E. Millar, soils; Mr. L. C. Emmons, mathematics; Dr. G. H. Coons, botany; Mr. A. G. Scheele, drawing and design; Mr. J. T. Horner, economics.

The position of dean of the College was created and Professor John Phelan, who for the past year has been assistant to the president, was elected to the position.

The Board appointed as a committee to take charge of the Menominee county

school for the next two years, Dean Shaw, Dean Ryder, Dean Phelan, Professor Cox, Mr. Hill and Mr. Putman, director of the experiment station at Chatham.

Mr. Carl Knaus was elected superintendent of the Menominee school, and will carry this work in addition to his duties as agricultural agent for Menominee county.

The Board adopted the recommendation of the athletic board of control making the new athletic insignia a block "S".

1900 REUNION RECALLS DAYS IN COLLEGE

The class of 1900 met for their class dinner on the evening of June twentieth in the new Union building. It seemed quite like old times to see so many familiar faces and it was equally pleasant to greet a number belonging to the second generation.

Several anecdotes of the nineteenth century model were exchanged but the class of 1901 escaped without serious disaster in the way of comments.

Hugh Gunnison of Detroit was elected class president.

Those present at the dinner were Mrs. Fred Schaible (Gertrude Gladden), Lansing; Mrs. Kirk W. Towner (Ruby Calkins), East Lansing; E. W. Ranney and Mrs. Ranney, '99, Greenville; Mr. and Mrs. C. H. Parker and family, Saginaw; Florence Mundon, Lansing; "Deacon" W. T. Parks, Benton Harbor; F. W. Dodge, East Lansing; Bertha Malone, Detroit; Charles H. Chadsey and Mrs. Edith Smith Chadsey, East Jordan; Mrs. Chas. Johnson, '99, Belding; Eugene Price, Cadillac; Hugh Gunnison and Miss Gunnison, Detroit. Greetings were received from Harry J. Ruppert, Chicago; Mrs. Mark Ireland (Irma Thompson), Louisville, Kentucky; Paul Thayer, Pennsylvania State College; Arthur Lyons, Lansing; John R. Thompson, Washington, D. C.; Chas. W. Bale, Portland, Oregon, and A. L. Hopkins, Bear Lake.

Several others were present at the noon gathering of the alumni: Alice Cimmer, Battle Creek; Harvey A. Williams, Charlotte; Mrs. Thorn Smith (Mertie Underwood), Detroit; Mrs. C. H. Phelps (Florence Banghart), Detroit; Mrs. F. J. Drolett (Grace Lundy), Lansing; Coral R. Havens, Detroit, and Fred B. Brooks, Corunna.

At the noon luncheon old memories were revived by a relic of the past, a photograph of those present at our junior hop. On the back was pasted the class tax receipt issued to the owner of the photograph, also a letter from President Snyder, giving permission to hold the hop under certain conditions.

Those present at our "silver anniversary" this year expressed themselves as more than willing to come again in the not too distant future.

BERTHA MALONE, Secretary.

ALUMNI PROMINENT FACTOR IN BUSINESS

Readers of THE RECORD serve as an illustration of the important part college men play in the business affairs of the nation. Answers to questionnaires show that 2,700 alumni of the College control an aggregate of business purchases annually amounting to \$331,625,853.00.

THE RECORD, in conjunction with other alumni publications, sent questionnaires to the subscribers, taking every tenth name on the list. Practically all inquiries were answered in full, since in no case was the identity of the reader revealed.

There are 2.7 people who read THE RECORD for every copy sent out. Forty-two per cent of the subscribers are home owners. The majority of these are car owners, as 67 per cent stated that they owned their own cars, with six per cent owning two or more. The average annual income is \$4,550.00, or a total of \$12,285,000.00 for all RECORD subscribers. These alumni carry an average of \$10,472.94 insurance for a total of \$28,276,448.00.

The average income from investments is \$993.43, or an aggregate of \$2,682,261.00.

A look into the home life of these same 2,700 persons also reveals many interesting facts. One out of six is a radio fan having his own receiving set. One out of seven is actively interested in gardening. Other side-lines mentioned in questionnaires include fishing, motoring, hunting, reading, writing, music, animal pets, sports and photography. Even bugs hold a place in the estimation of some of the alumni.

The most popular magazines in their order of preference are American, Saturday Evening Post, Literary Digest, the professional magazines, National Geographic and Colliers.

Fraternal orders claim the largest portion of the alumni, with business and professional clubs coming next in preference.

Many alumni have departed from the strict channels prepared for them in their undergraduate days. The list of occupations includes a generous sprinkling of public officials, merchants, real estate dealers, insurance men, journalists, ministers, physicians, surgeons and lawyers. As in all previous instances, the readers expressed a distinct preference for class notes and news of alumni, a small proportion placed athletics ahead of other types of news discussed in THE RECORD and those who believe editorials an important part of the magazine were far down the list.

Rain interfered to some extent with the annual Farmers' Day scheduled for August 1. Speakers and exhibits were forced indoors. Former Governor McKelvie, a prominent Nebraska publisher, addressed the crowd in the gymnasium and his audience was aided in following his discourse by the College amplifiers pressed into use for the day. President Butterfield appeared on the program of Farmers' day for the first time since his appointment. One of the features was a horse pulling contest supervised by H. J. Gallagher, '15, in which a dynamometer was used to register the relative pulling power of the teams.



VIEWS AND COMMENT



Readers of THE RECORD should send in their ballots on the publication schedule question immediately. The question to be considered in this matter is not so much the relative merits of the two plans as it is the finances of the Association. It is unjust to ask that thirty-five issues be published annually and an office maintained on the present dues, financial reports of the organization prove this definitely, the experience of others adds to this proof. The cost of maintaining an extensive card file and addressing system is often minimized but the work goes on day after day and most of it is done without charge. Printing and mailing costs are double what they would be on a monthly and, as has been pointed out before, most advertising contracts call for insertions once each month.

In the past three years many changes have been made in the equipment and manner of conducting the affairs of the office looking toward economics, these have resulted in the expense being the lowest in years and were made necessary through a decided reduction in the amount of money made available for this work by the College.

A subsidized publication is responsible to those furnishing the subsidy as well as to its readers. Its subject matter need not be influenced by this arrangement, but the atmosphere of dependence is not conducive to thoroughly constructive thought. An alumni publication should stand on its own feet. It should be a faithful aid to the College authorities and an organ for the expression of alumni opinion. It can help the institution by first paying its own way. The decision outlining the course to be followed by THE RECORD rests with its readers. The question has been placed before them many times in an informal manner, now it is ready for a vote. From the viewpoint of most people it is much more desirable to own a home than to rent one.

There is a certain satisfaction in paying for what you get and then demanding full value for your money. This consideration should be given full value in determining the will of the membership of the Association.



Homecoming Day has been set for October 31, the date of the game with Colgate university. Last fall Homecoming was merged with the Michigan game and the dedication of the stadium on October 11 and thus lost much of its significance because of overpowering circumstances, this fall it comes at a time when the feature of the day will be Homecoming and a strong opponent will insure the type of football most desired. Homecoming should be a big event, it should rank with reunion time and can be made to. This year the Union Memorial building will provide headquarters for the visitors, a place to make appointments and greet old acquaintances, its efficacy in this respect was proved on June 20.

An aged victim of a June storm was the large tulip tree which stood southwest of the Union Memorial building in the area known as the Forest of Arden, generally used for out-of-door plays and meetings. It was old enough to have seen the earliest days of the College and was one of the trees visited by the annual pilgrimages made by freshman students of forestry.

T. J. Smits, '26, Lansing, was awarded first place in the Eunomian-Holead contest. Eloise D. Lyman, '26, won the second prize.

If all bills owed THE RECORD were paid it would be in a financial condition bordering on prosperity. The matter of a subscription to an alumni periodical seems to be one that is often neglected over a long period.

"Close Beside The Winding Cedar"

President and Mrs. Butterfield are spending the month of August at Crystal Lake.

W. K. Prudden, '78, has been spending some time at the Battle Creek sanitarium and is reported considerably improved in health.

Rev. N. A. McCune, '01, pastor of the People's church, was given the degree of doctor of divinity by Albion college at commencement time.

A reorganization of the Ionia county association has been effected and the new president is A. B. Cook, Jr., '23, who teaches agriculture in the Ionia high school.

Prizes for the annual canoe tilting contests were donated by officers of the College and the deans. The event, held June 11, was one of the most successful ever staged.

Turner Broughton, '15, has been elected president of the Central Michigan M. S. C. Association. Broughton heads the dairy division of the state department of agriculture, under Commissioner L. Whitney Watkins, '93.

Alumni may obtain the newly designed Union pins at a cost of fifty cents each. They are gold filled and carry a block "S" with the College colors worked into the design. Orders should be sent to the office of the Union after September 10.

The 1925 Wolverine is being distributed by mail to the subscribers. It is different from those of past years in the use of color plates and in the fact that the two upper classes are the only ones represented by individual photographs. It is the final volume to be published under the name M. A. C. and makes much of that fact. Instead of the customary College seal, of various designs, used on the cover, a wolverine is shown.

Heavy rains late in July and early in August have kept the Campus in unusually good condition for this time of year.

Professor C. P. Halligan, head of the department of landscape architecture, is spending eight weeks of the summer vacation on a trip through Europe.

A series of booklets has been issued by the College publications office dealing with the courses available for students. Business administration, the activities of the English department and other subjects are treated in an attractive manner.

For the second year in succession the College has been given distinguished rating by the war department in recognition of the work of the military department and students taking the course. Lt. Col. T. L. Sherburne, who has been in charge of the cadet units for the past three years has another year to serve before he will be transferred to other duty.

East Lansing is to have a new business block. The H. G. Christman company has started work on a three story structure at the corner of Albert avenue and Abbot Road, those in College previous to 1910 will recognize this place as the first block off the Campus at the rear of the College drug store. It is designed to house five stores and there will be apartments over the business places.

A conference between Governor Groesbeck, Frank F. Rogers, '83, state highway commissioner, and the officials of Lansing and East Lansing, including Mayor Luther Baker, '93, of the latter city, has resulted in the adoption of a plan for a 200-foot highway to connect the two cities on Michigan avenue. In addition to this the city of Lansing is constructing tennis courts in an undeveloped park just east of the city limits and will landscape that area.

SEVEN STATES ON FOOTBALL SCHEDULE

Squad Faces Strenuous Season; Coaches Must Use Much Untried Material to Fill Positions Made Vacant by Graduation; Sophomores Expected to Provide Sharp Competition for Places.

The athletic department has discovered an error in the applications for tickets for the Michigan game. Seats in the stands are \$2.00 instead of \$2.50 as stated. Applicants are urged to take this into account and remit at the rate of \$2.00 per seat so there will be no necessity for refunds. Box seats will not be available through the College athletic department.

Representative college and university elevens from seven states will compete with the Green and White football squad in the course of the eight-game schedule assembled for 1925. Michigan and Adrian are the teams from within the state; Penn State, Wisconsin, Colgate, Center college, Toledo university and Lake Forest make up the balance of the program. Headliners on the list are Michigan, Wisconsin, Colgate, Center and Penn State, leaving Toledo, Adrian and Lake Forest as the only contests when the squad will have a chance to reduce its pressure, and these are by no means to be classed as victories until the final whistle.

Meeting Michigan in the second game of the season and finishing with Wisconsin, the squad will be kept as busy as is compatible with training regulations. Adrian comes to East Lansing to start the season on September 26; the varsity and its followers will go to Ann Arbor on the next Saturday for the big event of the year. This season the standing of the Michigan game is somewhat threatened because of other exceptional attractions. On October 10 Lake Forest, the highest scorer against the Green and White in 1924, comes to East Lansing and on October 17 Center college furnishes the opposition in the new stadium. Penn State will be met at State

College on October 24 and the following week end Colgate will be the feature of the Homecoming Day program at East Lansing. Toledo university, a newcomer, will appear at East Lansing on November 7, designated as Parents' day. Wisconsin finishes the season with the varsity at Madison on November 14.

Paul Thayer, '00, at Penn State, is making arrangements to help the alumni in that section obtain seats for the game October 24. Tickets for the Michigan, Center and Colgate games can be obtained only through application to the athletic department at East Lansing.

In preparation for the coming season fifty-one prospects for the squad have been ordered to report at the College on September 15, when active training will begin with the first game but eleven days off. Director Young will be assisted for the third season by John L. Taylor, line coach, and John Kobs and Miles Casteel, who will again take charge of the freshman squad after College opens and, in the meantime, will assist on fundamentals with the regulars.

Of the list of candidates invited to early training, eleven have previously won varsity awards. They are: Captain Haskins, tackle; Roy Spiekerman, tackle; Martin Rummell, tackle; A. H. Vogel, center; Paul M. Hackett (basketball captain), guard; Richard P. Lyman, quarterback; Paul Anderson and Allen T. Edmunds, ends; Perry Fremont and Vern Schnyser, backs; John Garver, guard.

From this list it is evident that Coach Young will face the task of filling several important positions if the team is to be up to standard. The material available for end positions is scarce and the backfield needs at least four more men, while the line should be bolstered by additions. C.

Frederick and C. Cole, both reserves from last season, are looked upon as possible ends. B. Grimm, track captain, will have another chance to prove his worth in the backfield and he will have worthy opponents in E. VanBuren, Ruhl and George of the 1924 freshman squad. There are several possibilities among the line material from the 1928 class whose worth will doubtlessly be thoroughly tested in the early practice and in the Adrian game.

In addition to the varsity men listed above, the following will report at the College on September 15 to start preparations for the season: S. M. Bair, A. W. Berquist, R. E. Boehringer, W. L. Bennett, J. I. Caruso, C. L. Cole, G. I. Collett, B. J. Dobben, H. B. Farley, B. W. Grimm, W. C. Gunn, J. A. Hands, H. H. Hart, A. M. Hooker, H. C. Kiebler, A. C. Knudstrup, L. E. Jaubaugh, F. G. McInnis, E. H. Place, W. A. Rossow, W. Schneider, G. R. Smith, E. A. Wenner, L. M. Wolfinger, S. C. Thompson, T. Thompson, C. M. Armstrong, H. F. Cunow, R. Caswell, K. L. Christensen, P. Dent, K. L. Drew, L. J. Fouts, B. E. Gordon, O. E. Grimes, S. Johnson, R. W. Kruse, J. F. Keene, H. A. Kurrle, J. A. Lewis, G. W. McCaughna, G. W. Needham, J. W. O'Connor, T. A. Pulver, L. J. Rosie, L. G. Russo, W. F. Ross, D. M. Rochester, J. W. Ruhl, J. A. Stone, P. M. Smith, C. M. Schrems, A. R. Teachout, E. C. Van Buren, E. J. Valentine, C. T. Wolven, K. B. Weeks, E. A. Dahlman, W. M. Estes, C. R. Hartung, L. D. Hood, F. E. Luger, H. L. Lyon, L. G. Morse, R. D. Mains, C. J. Olin, L. A. Rodgers and J. S. Thole.

NECROLOGY

ALBERT GEORGE CRAIG, '02

A Spokane, Washington, newspaper prints the following obituary of A. G. Craig, '02:

Albert George Craig, 48, widely known horticulturist and a resident of this region for the last 20 years, died yesterday afternoon (July 31) at the Deaconess hospital

following the result of injuries he received April 25 in a dynamite explosion on his ranch at East Farms.

Mr. Craig approached a stick of the explosive, thinking it had failed to become ignited. It exploded as he reached to pick it up. He was severely injured, and three weeks after the accident his right arm was amputated. A week later it was found necessary to remove his right leg, and subsequent operations were performed in an effort to save his life.

Mr. Craig was born in Harbor Springs, Mich., and was a graduate of the Michigan State college of 1902, taking his master's degree a year later. He taught at that institution for three years, then moved west where he was an instructor in the horticultural department of the State College of Washington at Pullman for three years.

For nine years Mr. Craig was horticulturist at Arcadia orchards at Deer Park and for six years was manager for the Spokane Valley Orchard and Land company. He had been active in farm bureau work and in the state horticultural association.

He leaves a widow, Mrs. Edna Evans Craig, at East Farms, Wash., and three sisters and four brothers in the east.

BENJAMIN F. BAIN, '93

Benjamin F. Bain, '93, died in Pittsburgh on Friday, June 12, following a short illness. He is survived by his widow, father and brother.

He was born at South Boston, Michigan, but his family moved to Petoskey early in his life and twenty years ago he went to Pittsburgh where he owned and operated the Wolverine Supply and Manufacturing company. He introduced a new type of mechanical toy and had developed an extensive business. He was very prominent in alumni work, serving as president of the Western Pennsylvania association and was one of its prime movers. He was graduated from the mechanical course.

He was a member of the Pittsburgh Rotary club and of various Masonic orders and the Presbyterian church.

HIGH STAND SENIORS ACCORDED HONORS

A new departure for Commencements was the listing of all students who had maintained an average of B or better in all studies during their four years. In the class of 1925 there were twenty-six so honored, their names were starred on the program, indicating that they were graduated with "honors". The list included: Charles McC. Armstrong, East Lansing, applied science; Miriam A. Bechtel, Shelby, home economics; James L. Boyd, East Lansing, agricultural; Hazel L. Bradley, Augusta, agricultural; Glen W. Bradt, Kalamazoo, applied science; Robert P. Britsman, East Lansing, agricultural; Cornelius Brongersma, Lansing, engineering; Edwin R. Carlson, Morrison, N. Y., veterinary science; Orin D. Dausman, Saranac, engineering; Mrs. Susie B. Emshwiller, East Lansing, liberal arts; John M. Evans, Las Cruces, N. Mex., engineering; Charles V. Green, Ashley, applied science; Arthur Howland, Breckenridge, agricultural; Gladys A. Hubbard, Hastings, home economics; George W. Hunter, Dowagiac, agricultural; Leroy A. Johnson, Hart, applied science; Mary M. McClave, Benton Harbor, agricultural; Elwood W. Mason, Burton, agricultural; LaRue H. Nagler, South Haven, engineering; Myril E. Newark, Lansing, engineering; Chauncey M. Park, Lansing, engineering; Margaret L. Plant, East Lansing, home economics; Harold C. Rockwell, East Lansing, applied science; Robert L. Shaw, East Lansing, agricultural; William S. Stover, Grand Rapids, forestry; Muriel F. True, East Lansing, applied science.

After temporizing for an extended period the Michigan Electric Railway company has removed its tracks from the Campus and the entrance to the grounds is no longer a turning point for street cars. Cars are now running on the Lansing-East Lansing line equipped with controls in either end so that it is not necessary to turn them.

MARRIAGES

DICKER-GRINNELL

Glen G. Dicker, '17, and Hazel Marguerite Grinnell were married June 10 at Garden City, Long Island, New York. They are at home at 50 Brompton road, Garden City.

GILLETTE-FREY

Irving Gillette, '22, and Alta E. Frey of Fairport, New York, were married June 21, in New York city. Gillette is in the advertising and editorial department of the Rochester Herald. They live at 110 Roselawn avenue, Fairport.

HARTSUCH-GROVER

Paul Hartsuch, '24, and Lucile Grover, '23, were married July 2, at the Grover home in East Lansing. They left immediately for Montreal where they sailed on the Regina for a two months tour of Europe.

MCNALL-YOUNG

Jay McNall, '22, and Margaret Young were married June 20 at Ypsilanti. They will make their home in Lansing on Westmoreland avenue.

MALLISON-HOOVER

Earl D. Mallison, '23, and Susanah Hoover were married July 14, 1925, at Battle Creek, Michigan.

HIMEBAUGH-HAYWOOD

Announcement is made of the marriage of Harold Himebaugh and Winnifred Haywood, both '16, on June 29. They are living in St. Louis where Himebaugh is estimating for the Woermann Construction company.

CLASS NOTES

'86

C. H. Jindson is office engineer for the New York Central R. R. at Cleveland. He lives in Berea, at 396 Beech street.

Jason Hammond lives in East Lansing at 128 Beech street.

'90

Harris F. Hall has just returned to 17 Clinton avenue, Pittsfield, Mass., from Fort Sill, Oklahoma, where he completed the three months' course in field artillery at the school of fire, as a major of field artillery, reserve corps of the U. S. army.

'96

J. E. Tracy is the quality seeds man for the D. Landreth Seed company of Bristol, Pennsylvania. This is the oldest seed house in America.

'97

H. E. VanNorman has just been elected president of the American Dry Milk institute, and has undertaken the direction of the research and educational work of the organization. He is lo-

cated in the Burnham building at 160 N. LaSalle street, Chicago. His telephone number is State 3705. He writes: "When you realize that for each pound of butter made in the country there are about two pounds of milk solids, not fat; that they are about equal in energy value to the butter and the more important in that they include phosphate of lime and milk protein; that the baker, the ice cream and the candy manufacturers are just discovering the advantages; that the public has not yet really learned its value; and, further, that there is a tremendous economic importance in the case of transportation and storage of this neglected human food, you will see that there is considerable opportunity open to this new branch of dairy industry."

'00

Class Secretary, Bertha Malone, 81 Waverly Avenue, Detroit.

Coral Havens is teaching home economics in the Hutchins school in Detroit.

Charles W. Bale is president of the Bale Engineering company, Fitzpatrick building, Portland, Oregon. The regional meeting of the American Society of Mechanical Engineers was held in Portland, June 22 to 25, and Mr. Bale, as secretary of the regional meeting and member of the executive committee of the Oregon section, was active in the preparations for the convention.

Arthur Lyons attended the commencement festivities at Dartmouth college, Hanover, N. H., where his son was granted a degree.

Paul Thayer is in the Hort department at Pennsylvania State college.

Charles H. Chadsey is superintendent of the East Jordan, Michigan, Cabinet company.

Mrs. Florence Banghart Phelps, 3626 McGraw avenue, Detroit, is selling real estate. She handles suburban property in the Southfield district.

Florence Mundon is interested in the uniform shop, makers of nurses uniforms, at Lansing.

All changes of address for 1900 should be sent to Bertha Malone, 81 Waverly avenue, Detroit as well as to the Alumni office. If you received no special notice of the reunion, it was because your address is unknown.

'01

Mark L. and Irma Thompson ('00) Ireland are at present located at Louisville, Kentucky. Their youngest son is in kindergarten, and Mark Junior will be a senior at the University of Michigan this fall.

For about a year A. H. Hayes has been engaged in private engineering practice with offices at 228 1-2 S. Main street, Kendallville, Indiana. He lives in the same city at 230 Sheridan street.

Fred S. Curtis is sales engineer for the W. S. Tyler company of Cleveland, Ohio. He lives in Lakewood at 1487 Wayne avenue.

'02

M. A. Crosby is in the information division of the Bureau of Agricultural Economics, U. S. Department of Agriculture. He lives in Washington, D. C. at 1424 K street N. W.

Lyman Carrier sends his blue slip from Coquille, Oregon, with the following note: "Am raising creeping bent stolons for vegetative planting for fine turf. Nursery at Granger, Indiana. Harvesting creeping bent seed in Oregon during the winter months."

'03

T. P. Chase is still with the General Motors corporation but is being transferred to Detroit where the research work will be done hereafter. He expects to be located before school opens in the fall.

George Tryon is designing engineer for the Andes Copper Mining company at Anaconda, Montana. He lives at 2 A Alpine apartments. He reports that August Frey is with the same company.

'04

Harry Williamston is still on the job as production manager at the Frost Gear and Forge company, Jackson. He lives at 510 Winthrop ave. He inquires about his old roommate, Winfield W. Wachtel, whose whereabouts are unknown to this office.

'05

E. J. Gunnison is treasurer of the National Railway Devices company with offices at 224 N. Desplaines street, Chicago.

'06

Flora Campbell is teaching foods in the Franklin high school at Los Angeles. She lives at 1425 Las Palmas avenue.

Dora Skeels Post is at Oceanside, California.

'08

F. M. Barden is engaged in fruit growing at South Haven, Michigan. He is president of the Allegan county Farm Bureau.

Amos Ashley has moved in Lincoln, Nebraska, to 2419 Calumet court.

'09

B. H. Anibal requests that his RECORD be sent to 115 Ottawa drive, Pontiac, Michigan.

Gerald Allen gives his business address as Allen Electric Manufacturing company, 2055 Lafayette blvd. west, Detroit. His telephone number is West 1203. He makes his home in Redford where mail reaches him at Lock Box 355.

Edwin B. Hulett gets his RECORD at Richmond, California.

'11

The first of September Ion Cortright reports to the State Agricultural college at Fargo, North

Dakota as head of the athletic department. He has hopes of bringing a football team back to play his old varsity some day.

Roscoe E. Brightup is advertising manager for the Greenlee Brothers and company, Rockford, Illinois. His address is 821 Auburn street.

R. S. Russell has moved in Lansing to 736 W. Ionia street.

William Urquhart has recently moved into his new home at 1427 Buckingham road, Grosse Pointe Park, Michigan.

L. L. Jones writes from Route A, Lafayette, Indiana: "On my 11th year in extension service for Purdue University, poultry department. Thought I was a fixture here, but have recently turned in my resignation to take charge of a service department for the Buckeye Incubator company of Springfield, Ohio. As I do not leave here until about the middle of October, notice of my change better wait until about time I go, when I'll send you my new address."

'12

P. W. Mason received the Ph. D. degree at the June commencement of George Washington University. He is still handling the aphid project for the U. S. Bureau of Entomology, and lives in Washington, D. C., at The Cecil.

Grace Ellis will resume her duties as principal of the St. Louis, Michigan, high school this fall. She is spending the summer in Pasadena, Calif.

'13

L. R. Servis claims 408 S. Macomb street, Monroe, Michigan, as his place of residence.

M. Louise Clawson lives at 2002 Elmhurst, Royal Oak, Michigan.

W. S. Fields says that he has the same old job at the Federal Hort board in Washington, D. C., and lives in Silver Spring, Maryland. He hopes that he may soon show the campus to his wife and daughter.

'14

C. H. Taylor writes from Augusta, Michigan: "Have recently been placed in charge of occupational therapy work, with the rather long designation of occupational therapy director, at the U. S. Veterans hospital No. 100, Camp Custer, Mich. In conjunction with this work, I am still managing the hospital farm, which is a part of the occupational therapy program. Mrs. Taylor, Clyde Junior, age 6, Janette, age 4, and myself would be glad to see any M. S. C. people that might be driving through Augusta, which is on M-17."

Gerald H. Mains is still with Westinghouse Electric Manufacturing company in charge of micarla laboratory. He lives on R. 5, Wilkinsburg, Pa.

'15

9280 Broadstreet boulevard, Detroit, is the last

address on file for E. F. Holser, and he isn't there anymore.

T. J. Smith has moved in Wyandotte, Michigan, to 101 Poplar street.

J. A. Bennett has written in that his mother passed away February 8, and his father just five and a half weeks later, March 19.

W. W. and Gertrude Thompson Lavers announce the birth of John Thompson Lavers on June 26.

F. M. Keyes may be reached at 31 S. Daisy avenue, Lamanda Park, California.

'16

Stanley Brownell is dairy specialist at Penn State college. He remarks: "Since coming to Penn State my bull spreading proclivity has enabled me to put Pennsylvania in the lead in the United States in number of organized bull associations. We are looking forward to a big day next fall when Michigan State meets Penn State." Brownell lives at State College at 333 S. Burrowes.

'17

Herbert V. Abel is still in the carlot fruit brokerage game with plenty of cantaloupes and watermelons keeping him from enjoying a trip to East Lansing. His blue slip sent from Penn-Harris Trust building, Harrisburg, says "Karl Hendershott, '20, of Northwest apple fame dropped in for a short visit recently. Will try and get away for the apple convention at Cleveland in August if business shows up a little. Glad to note that the class of '17 displayed its usual enthusiasm at commencement."

W. C. Eggert is still in the engineering department of the Pacific Gas & Electric company at San Francisco, where his chief pleasures are detailing the layout of electrical equipment and apparatus for sub-stations and drawing up wiring connections for the same. Many of their stations are "full-automatic". Eggert lives in San Francisco at 2190 Grove street.

L. L. and Dorothy Dorris Frimodig announce the birth of Margaret, on May 14.

Since the first of July, Clem Fry has been in Louisville, Kentucky, at the city hospital.

Bernice Hales Jessop sent back her 1917 questionnaire from Umsunduze, M. S., Ndwedwe P. O., Natal, South Africa, with the following notation: "We are as busy as can be on this mission station, fourteen miles from the railroad. Since our chrystal receiving set was installed, we feel close to civilization, and hope some day to hear M. S. C. over the radio, but don't all speak at once, please."

'18

E. J. Armstrong reports from Upper Marlboro, Maryland, that he is still with the U. S. Indian service, and is happily unmarried.

For the past three years May E. Foley has been assistant professor of foods and nutrition at the Texas State College for Women at Denton. She reports that Mary Harrington is in charge of the diabetic ward at the University hospital at Ann Arbor.

H. H. McKinney is a pathologist for the U. S. Bureau of Plant Industry studying mosaic diseases and footrot of wheat. He lives in Madison, Wisconsin, at 1833 Rowley avenue, and says that Mrs. McKinney and the two boys, Robert and Clinton, are helping him to hold down his job.

Royal Bondie no longer answers from Dearborn, Michigan.

A. C. Dick is lost from 27 Windle Park, Tarrytown, New York.

John E. Kotila gives his new address as 613 Evergreen avenue, East Lansing.

'19

Ada D. Tucker is no longer at 435 W. 119th street, New York City, but has sent in no later address.

'20

Norman Pitt says he is still teaching mechanical drawing at the West Technical high school at Cleveland. He lives at 9422 Detroit avenue.

Carl Warren is still in the seed business with Joseph Harris company at Coldwater, New York.

"Still listed as associate physicist in the electrical instrument section at the Bureau of Standards," writes Ralph D. Wyckoff. "The Bureau holds 'open house' to visitors at all times, and guides are provided for all M. S. C. folks. Drop around, the laboratories may prove interesting." Wyckoff may be reached in care of the Bureau of Standards, Washington, D. C.

A. J. Gregg gives his new address at 10 North avenue, Mt. Clemens, Michigan.

Roslyn Rice Murphy has moved in Grand Haven to 107 S. Fourth street.

R. B. Kling may be reached in Chicago at 3567 W. Quincy.

'21

E. D. Menkee lives in Galeton, Pennsylvania, and is a superintendent for the North Penn Power company.

O. R. Beal requests that THE RECORD be sent to him at 105 Middle drive, Ypsilanti.

Albert R. Carlson sends his blue slip from 620 1-2 48th street, Milwaukee, with the note: "Am at the present time working in the customers accounts division of the T. M. E. R. & L. Co. They installed a new accounting system about a year ago, and I have been assigned to try and get some of the details into working order. I have been with the company ever since graduation. I seldom see any of the other M. S. C. folks here in Milwaukee. Leroy Keely was with our company until this spring when

he went to the Louis Allis company, motor manufacturers. VanKerehove, sales engineer with the General Electric is in the building also, but we rarely run together."

Wesley F. Malloch left the Philadelphia office of the Allis-Chalmers Manufacturing company on May 31, and at present is assistant purchasing agent making purchases of electrical equipment for the E. I. duPont de Nemours & company. He lives in Wilmington, Delaware, at 830 Jackson street.

'22

John S. Bailey reports no change from 13 1-2 Amity street, Amherst, Massachusetts.

On account of a severe back strain, John Walker was forced to quit farming, and about the first of June started selling Aetna life insurance. South Byron, New York, still reaches him.

C. W. Gustafson is still with the Mutual Fire Prevention bureau in Chicago. He reports that C. M. Park, '25, has joined their force, showing that their organization is still strong for Michigan State.

Harold Fleming is in the operating engineering department of the Illinois Power and Light corporation in Chicago. He lives at 6040 Harper avenue.

P. D. Caldis is continuing his work on fig diseases as junior plant pathologist at the University of California experiment station. His address is Box 252, Davis.

Lloyd C. Atkins is teaching agriculture at Reed City, Michigan, and carrying a little extension work on the side. He has just completed organizing a cow testing association. He announces the birth of a daughter in May.

Fred Hill is with the Commonwealth Power corporation of Jackson as division engineer on the western division of the Consumers Power company. The western division includes the cities of Kalamazoo, Grand Rapids, Muskegon, Big Rapids, Cadillac, Manistee, and the intermediate points. His work is concerned chiefly with the engineering problems that arise during electrical construction work in the field. Hill lives in Grand Rapids at 1255 Flora court.

Clarence S. Hood remarks from Jonesville, Michigan: "Married, as before, and finding it the better part. Shall be student next year whether in academic classes or as a teacher. I am still young and hopeful."

Until further notice, Herman E. Segelin may be reached at 87 Rauber street, Rochester, New York.

Mr. and Mrs. Ralph H. Sill announce the birth of John Heath on June 13.

R. H. Westveld completed the work at Yale for his master's degree the latter part of May, and has joined the staff of the Pacific Northwest Forest Experiment station. Mail should be addressed to him at 514 Lewis building, Portland, Oregon.

LaFerne Merrill gives her address as East Lansing, Michigan, care of Pine Lake grocer.

'23

H. Kenneth Blakiston is employed as fruit inspector with the New York division of the American Fruit Growers, Inc., and lives at 75 Ridge Road, Rutherford, New Jersey. He writes: "The Record is practically my only means of contact with the M. S. C. world, as I seldom see or hear from anybody from the college. Believe I have seen two fellows since I was last in Michigan. One of my old roommates is due in New York and then I expect all the gossip."

Eleanor Richey is doing children's dietitian work at the Lakeside hospital at Cleveland, Ohio. Department of Bacteriology, Kansas State Agri-

cultural College, Manhattan, continues to reach William R. Hinshaw.

Edward Ludwig is still at River Bend Orchards near South Haven, Michigan. He says: "Any Michigan Staters are heartily invited to give us the once over."

Carl Hemstreet is serving Oceana county as county agricultural agent with headquarters at Shelby.

McBain, Michigan, is the correct address for Leona DeYoung.

Keith Farley writes from Central building Y. M. C. A., 1421 Arch street, Philadelphia: "Still with the Day & Zimmerman Engineering and Construction company of Philadelphia. Am supposed to be spending most of my time keeping the power plant that we are building at Saxton, Pennsylvania, supplied with construction materials, but am also looking after the construction of an outdoor swimming pool and a small amount of roadwork in suburban Philadelphia. H. Groothuis and Alfred Iddles are also with D. & Z. I occasionally see Wesley Malloch who is in the Allis-Chalmers Philadelphia office."

Mildred Grettenberger will teach domestic science and English in the South Haven, Michigan, high school next fall.

The post office department gives Philip Prentice's address as care road commission, Muskegon, Michigan.

H. R. Sayre gives his address as 310 Mackinaw street, Durand, Mich. He is a forester for the state department of conservation.

'24

Linton Carter is "working day and night on the best forest in the country, the Cascade" and may be addressed at Oakridge, Oregon.

L. Miller Andrus is in Washington, D. C. at 1814 N. street N. W.

Court House, Marquette, Michigan, reaches Emma DuBord.

D. H. Bidleman is working for the Grand Rapids department of public service, and lives at 1417 Scribner avenue.

The new address for Vincent Bunker is 4225 1/2 Lockwood avenue, Los Angeles.

Wilhelmine Grottemut has been visiting the principal cities in Oregon and California, and the Yosemite park since the close of school in May. She expects to return to Pocatello, Idaho, next year, where she will have charge of the physics department of the senior high school.

According to the post office, Irma Loessel should be addressed at 1806 S. Wenona avenue, Bay City.

R. 12, Kalamazoo, Michigan, is the new address for H. B. Huntley.

Fern Schneerer will return to Three Rivers next fall to teach foods. During the summer she may be reached at Holloway, Michigan.

Jean Marilyn Trollope was born June 30, at Auburn, Alabama.

— THE —

Grand Rapids Savings Bank

Grand Rapids, Michigan

"The Bank Where You Feel at Home"

M. A. C. People Given a Glad Hand

Charles W. Garfield, '70, Chairman Executive Com.

Gilbert L. Daane, '09, President

C. Fred Schneider, '85, Manager Division Branch

Benj. C. Porter, '84, Manager South G. R. Branch

Benj. C. Porter, Jr., '11, Asst. Manager South

G. R. Branch

Willis Vandenburg, '21, Manager Fulton St. Branch

Our Business is Growing

THE CORYELL NURSERY

R. J. Coryell, '84

Ralph I. Coryell, '14

DO YOUR SPRING PLANTING NOW

West Maple Ave.

Birmingham, Mich.

THE STRAUS BROS. COMPANY

First Mortgage Bonds

G. O. STEWART, '17

700 W. Washtenaw St.

Lansing, Mich.

A. M. EMERY, '83 Books and Office Supplies

223 Washington Ave. N.

H. C. Pratt, '09, in charge of Office Supply Department

THE EDWARDS LABORATORY, S. F. Edwards, '99

Lansing, Michigan

Anti-Hog Cholera Serum—Other Biological Products

E. N. PAGELSEN, '89, Patent Attorney

1321 Lafayette Building, Detroit

WALDO ROHNERT, '89

Wholesale Seed Grower, Gilroy, California

GOODELL, ZELIN C. (M. A. C. '11F)

Insurance and Bonds 208-211 Capital National Bk. Bldg.

SAM BECK, '12, with LOUIS BECK COMPANY

112 North Washington Ave.

Society Brand Clothes—Complete Haberdashery

THE SODA FOUNTAIN
 INSTALLED IN THE
 UNION MEMORIAL
 BUILDING

IS A
 RED CROSS DRY SYSTEM
 FOUNTAIN

MANUFACTURED BY THE BISHOP & BABCOCK MFG. COMPANY OF CLEVELAND. THE FOUNTAIN IS 100 PER CENT MECHANICALLY REFRIGERATED AND REQUIRES NO HAND ICING WHATSOEVER.

THE FOUNTAIN PROVIDES—ZERO FOR BRICK CREAM AND 10 DEGREES ABOVE FOR BULK CREAM, WHICH IS THE PROPER TEMPERATURE FOR PRESERVING CREAM FOR FOUNTAIN SERVICE. ALSO PROVIDES THE PROPER COOLING FOR DRINKS AND SODA WATER.

THE SIMPLICITY AND RELIABILITY OF THE NEW EQUIPMENT INSURE UNINTERRUPTED SERVICE.

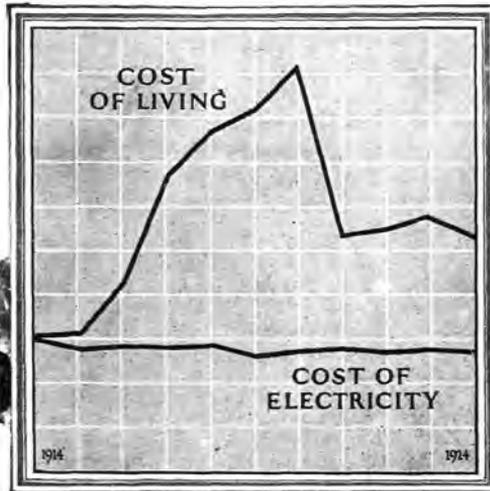
THE BISHOP & BABCOCK MFG. CO.
 GENERAL OFFICES AND FACTORIES, CLEVELAND

NEW YORK	ST. PAUL
444 LAFAYETTE STREET	680 E. MINNEHAHA STREET
CINCINNATI	ST. LOUIS
1025 CENTRAL AVENUE	210-212 SOUTH BROADWAY
DENVER	ATLANTA
1724 LAWRENCE STREET	60 W. MITCHELL STREET
PITTSBURGH	CHICAGO
412 THIRD AVENUE	112 WEST AUSTIN AVENUE
DALLAS	KANSAS CITY
1106 COMMERCE STREET	1929-31 MAIN STREET
MEXICO, D. F., NUEVO, MEXICO, 20	





It is part of the business of electricity to make homes brighter, safer and more livable.



Electrical engineers are at the service of every manufacturer who seeks larger production with lower costs.

CHEAP ELECTRICITY

—a great achievement

THE CHANCES are you have not visited your electric light and power company. You may not even know where it is.

But a great achievement has been going on inside its walls.

Old machinery has been taken out, new machinery installed. In years when the cost of most commodities has risen, the cost of electricity has been kept down. It is lower now than before the war.

This means lower manufacturing costs for your industries and better light for your homes.

It means that the routine tasks of home life can be done by inexpensive little motors.

It means conservation of the nation's coal supply.

To an industry in which such achievements are possible, the General Electric Company has made many contributions. It has built new and improved machinery for the electric light and power companies; and in its research laboratories it has developed better lamps and other devices by which electricity is efficiently used.

And day by day, progress continues. There are still millions of homes without electricity; still many tasks being done in factories and homes by human hands which electric motors ought to do.

By cooperation on the part of all—manufacturer, public utility company, and public—this improvement will go on.



This monogram is on all sorts of electrical equipment, large and small—the big generators that produce electricity, the lamps that banish darkness, and the motors which do the hard and tiresome tasks of life. You can rely upon the letters G-E. They are a symbol of service, wherever electricity is used.

GENERAL ELECTRIC