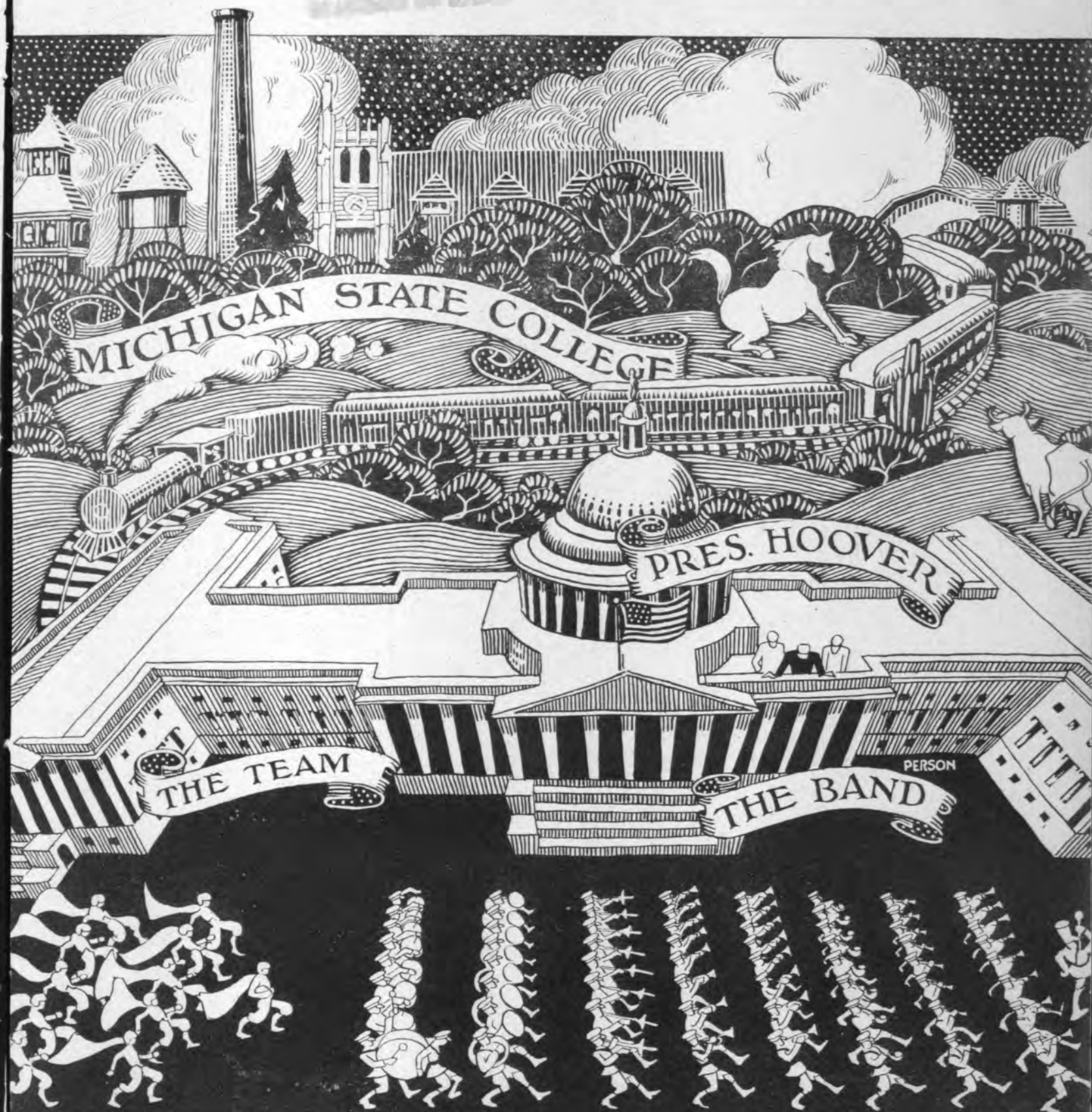


# michigan state college RECORD



WASHINGTON ISSUE

NOVEMBER  
1930

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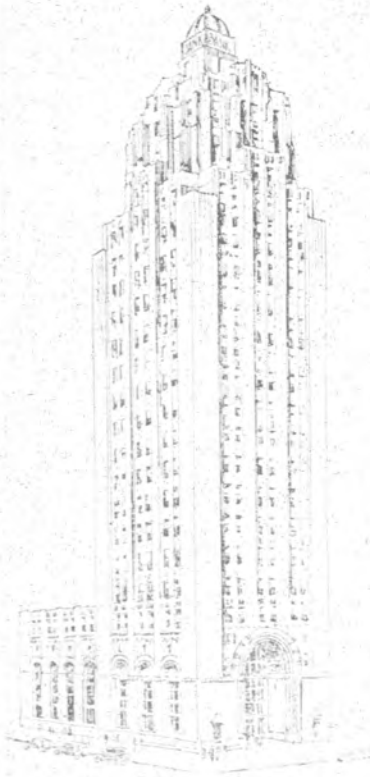
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# UNION

(where the atmosphere of the college town prevails)

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Visitors:

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least one meal at the  
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Raymond H. Riggs, '26, Manager  
Louise I. Clemens, '13, Director of Food Service  
Lois Harwood, '26, Assistant Director of Food Service

## Listening In

Over the river and through the wood,  
To have a first-rate play;  
Hear the bells ring  
"Ting-a-ling-ding"  
Hurrah for Thanksgiving Day!

DOWN in Washington—

Where men are men and women are glad of it, the band and the dozens of alumni followers enjoyed the last few days of October that will be remembered for days to come.

The Georgetown hegeria is over, but its effects will linger long, and not all in the form of hangovers. The defeat is just one of those things that make football interesting, but it's tough when it happens to you.

With a special train of eleven coaches leaving the Campus spur on October 29, the first since the Penn State trip in 1914, there was much hilarity and a rousing sendoff. Even the livestock on the College farm gave their salute. (See cover).

The many trips, especially the royal welcome accorded the party at the White House, and the reception by President Hoover made the journey to Washington momentarily important.



—directed the band in greeting  
President Hoover

WHEN between five hundred and a thousand old, old grads get together there naturally follows an ideal setting for "Hail! Hail! The Gang's All Here," for they're "jolly good fellows."

Such was the occasion on Homecoming day last month. Close observation of the hundreds who thronged the Union lobby before and after the game failed to reveal a single old man in spirit or sour face. It's "Hello, Bill," "Tom, you old loafer," "Well, I be-dog, if it ain't the Old Girl," and "How many you got, you ought to see mine." "Hey Prep," "Hi Rus," ad infinitum, from the time it starts in the morning until the last cigar is puffed at night.

# The MICHIGAN STATE COLLEGE R E C O R D

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Member of the American Alumni Council

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GLEN O. STEWART, '17, Editor

GLADYS FRANKS, w'27, Alumni Recorder

## THE M. S. C. ASSOCIATION

Union Memorial Building

OFFICERS—1930-31

R. Bruce McPherson, '90, President

W. O. Hedrick, '91, Vice-President

L. T. Clark, '04, Treasurer

Glen O. Stewart, '17, Secretary

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Entered at the East Lansing Postoffice as Second Class Matter

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It is wonderful how much kick a man can get from so small a thing—such as being able to walk up to Tom Gunson and say, "Hello Tommy." Of course he knew we all called him Tom all the time we were in college, but it makes one feel like a real man to call him that to his face.

The victory over Colgate was a pleasing and highly agreeable sensation. Crowley and his team became the idols of the Campus. For excellence of execution we have never seen a play that surpassed the one on which Bob Monnett scored the winning touchdown. It was a tribute to the thoroughness of Crowley's methods, and a terrible shock to Colgate.

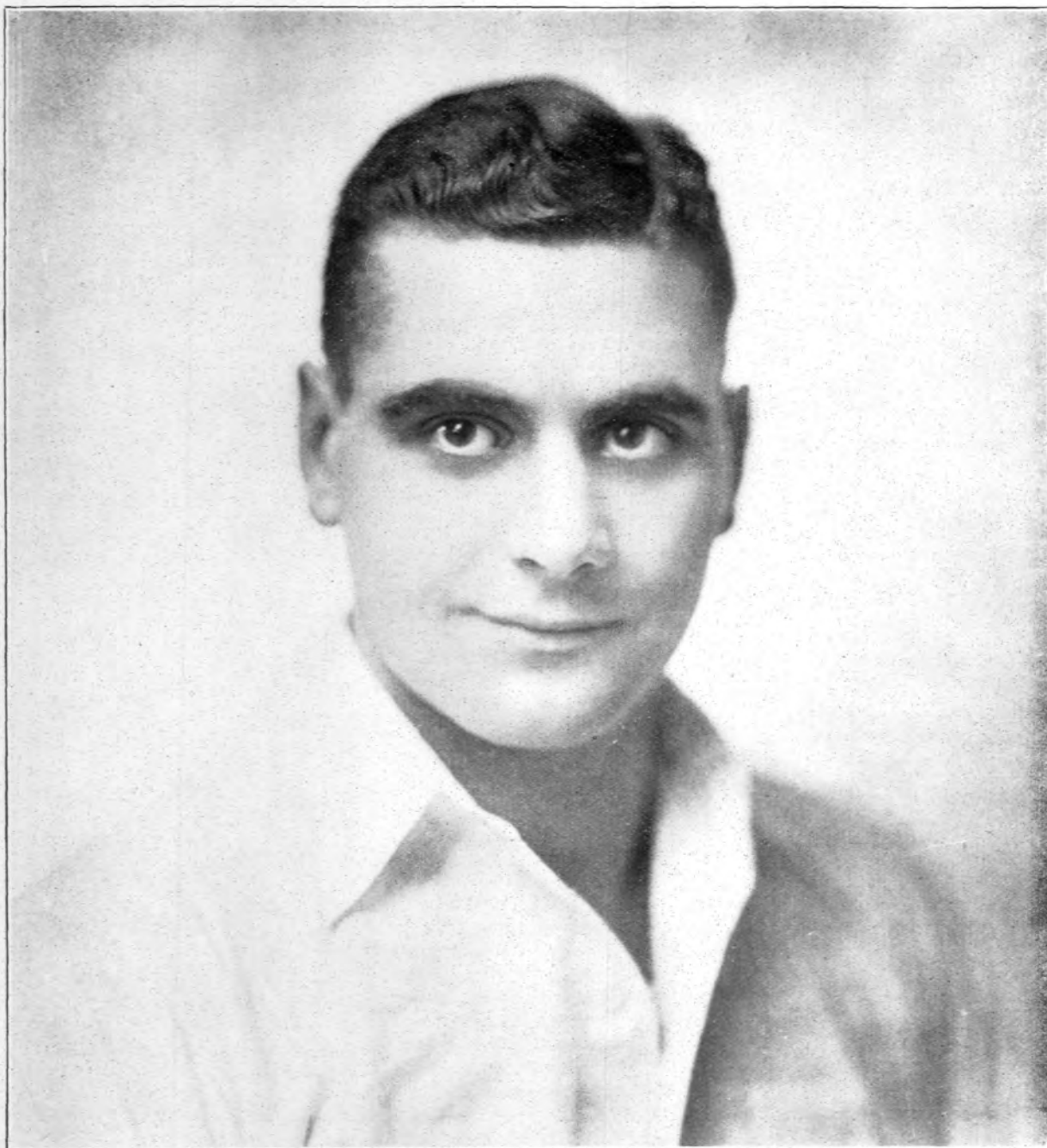
IT ISN'T often I trouble you with my opinions and notes. So, kindly permit me the privilege of expressing my deep appreciation of your worthy efforts and grand success in publishing such interesting news in the RECORD.

I loved to see your interest in our President R. S. Shaw and his picture in a previous issue. I always think of him as one of the world's greatest friends, and mine in particular. I hope M. S. C. may have the use of him many years.

I, also, love to read with pride our school's successes in educational work, football, etc.

B. W. Householder, '17,  
Savannah, Ga.





### CAPTAIN HAROLD E. SMEAD

**F**EW men hold the esteem of Michigan State college students as does Harold E. Smead, captain of the 1930 football team. Removed from play by almost fatal injuries sustained in an eastern traffic accident, the Spartan leader still carries on in spirit that which is impossible in person. His indomitable will and sterling courage which made him a heroic figure during his two years of varsity competition has been a power in the rank and file of the squad throughout the present season. During his time at center for M. S. C. he was never outplayed by an opponent, and he gave promise of being one of the best centers in the middle west this fall.

JAMES H. CROWLEY

## When President Hoover Received the Delegation



## Spartan Special Attracts Many on Eastern Trip

### Capital City Alumni Proud of Band and Team's Showing

THE eleven-coach special, loaded with football players, musicians, alumni and enthusiastic followers of the Spartan football team rolled into the nation's capital on the morning of October 30, primed for the sight-seeing tours and the big game with Georgetown university the following day. It was the first special football train to pull away from the Campus in sixteen years.

The M. S. C. alumni of Washington were on hand to give the party a cheer as it piled into waiting cars for the ride to the hotel. A half-day at Mt. Vernon was the special feature of Thursday for the delegation, and the evening was free for the team to practice under the floodlights at Griffith stadium, while the musicians and rooters "did" Washington.

#### Meet President Hoover

Friday was the big day for the entire State delegation. At eleven o'clock a memorial wreath was placed on the tomb of the unknown soldier at Arlington cemetery. A special ceremony was arranged by Captain S. G. Blanton, of the military department and Professor Lewis Richards. The wreath was placed on the tomb by the Hon. L. Whitney Watkins, chairman of the State Board and Secretary H. H. Halladay. The College military band and

a squad of soldiers from Ft. Meyers participated in the ceremony.

Leaving Arlington, the delegation went direct to the White House where Professor Richards had arranged for President Hoover to receive the football team, the R. O. T. C. band and the other members of the party. As the President approached the group on the south lawn the band played "Hail to the Chief," while camera and movie men recorded for all time the signal honor which is seldom tendered such a large delegation as the State party. Because of his personal acquaintance with Professor Richards the President remained on the lawn while the band played the Alma Mater.

#### Reception Follows Game

Every football game may not be a complete victory and the Georgetown game, which squeezed the Spartans out by a one point margin, was one of those unusual events. However, the 75-piece R. O. T. C. band with its military snap and precision took the spectators at the Griffith stadium by storm. Their marching feats, including an alphabet-juggling drill between halves, was the talk of the crowd.

After the game the entire delegation returned to the hotel headquarters where President Charles Woodbury, '04,

of the Washington M. S. C. club, and a committee headed by Captain Don Stroh, '15, entertained over a hundred alumni at a buffet luncheon and get-together. The hotel management sponsored an informal dance for the alumni party and members of the band. Led by Howard Mitchell, '32, varsity yellmaster, the assemblage rocked the corridors of the hotel with Michigan State yells, cheers and songs.

Among those attending the reception were the following: Don Carver, '30; J. B. Cook, '29; G. R. Savanson, '29; H. Ray Kingsley, '03; D. A. Gurney, '05; Robert J. Martin; J. G. Cotter, '29; Dr. F. L. Lewton; Mrs. Blanche Clark Lewton, w'12; Clyde Olin, '28; Stanley E. Ross, '26; Max A. Lett, '26; William H. J. Schneider, '04; Florence L. Hall, '12; Marie Piatt Wilson; Helen M. Wilson; F. W. Fitzpatrick, '30; R. L. Clark, '30; Matt Crosby, '02; C. P. Close, '95; Mrs. C. P. Close; A. Adelman, '04; Mr. and Mrs. H. J. Horan, '16; Mr. and Mrs. A. L. Alderman, '16; L. W. Watkins, '93; J. A. Hannah, '32; Glen O. Stewart, '17; Mr. and Mrs. B. Heath Holden, '28; Myrtle Lewton Rothrock, '25; Mr. and Mrs. Harlow Hall; Mr. and Mrs. John Hardesty, '28; Joseph Edmond, '23; E. W. Brandes, '13;

(Continued on page 17)

# Scientists Revel in Hair-Splitting Accuracy

## Government Backs Present System of Weights and Measurements

By W. G. Knickerbocker, '16,

Assistant Superintendent of Meters,  
The Detroit Edison Company

**M**R. AND MRS. AVERAGE CITIZEN have fairly definite ideas about measuring systems by which things like gasoline, dry goods, coal, butter, sugar, and similar articles are bought and sold. They have, for example, a mental picture of a gallon of gas, know how much it costs and that, if the car does what the salesman says it will, they can ride twenty or more miles before the last drop is gone.

Less well understood, however, are the steps in the development of the present system of weights and measures.

Means of weighing and measuring articles of trade have existed from earliest times, largely because of necessity. In the days when trade was localized, each community had its own standard. It was not so long ago that a bushel of salt in Pennsylvania as a weight unit was 80 pounds, while in Illinois it was 50 pounds.

As commerce increased and extended from one state or country to another the need for a uniform system of weights and measures became more urgent, with the result, it is safe to say, that at the present time the world's trade is based on the English system and the metric system.

The English weights and measures were derived from Roman sources and are thus of considerable antiquity. The Troy pound, it is supposed, was a weight of silver called a "pound sterling" which would be coined into 240 pennies or "pennyweights" of 24 grains

(barley grain weights) each. A barley grain weight meant literally what it said. This was the standard for weighing coins or bullion. A law promulgated in the fourteenth century authorized the weighing of heavy bodies by the "avoirdupois" (i. e., to have weight) pound. The



W. G. KNICKERBOCKER

standard avoirdupois pound varied in different localities until the time of Queen Elizabeth when it was fixed at 7,000 troy grains.

### Start Foot Measurement

The term "foot breadth" is mentioned frequently in the Bible and the practice of using parts of the body as

units of length was prevalent until standards were set during the Roman Empire. With the decline of the Roman Empire, conditions became chaotic, and in Italy alone there were over 200 different lengths all called a "foot." This condition prevailed even as late as the eighteenth century. Some novel ways of deriving standards existed from time to time. From Koebel's sixteenth century work on surveying we find the following: "To find the length of a rood in the right and lawful way, and according to scientific usage, you shall do as follows: Stand at the door of a church on a Sunday and bid sixteen men to stop, tall ones and small ones, as they happen to pass out when the service is finished; then make them put their left feet one behind the other, and the length thus obtained shall be a right and lawful rood to measure and survey land with, and the sixteenth part of it shall be a right and lawful foot." Another example is the present system of numbering shoes according to the length of a grain of barley, in a system of numeration by thirteens.

The cubit as a measure of length dates to very early times. It is mentioned frequently in the Old Testament, and was used by the architects and masons of Solomon's Temple. The length of the forearm from the elbow to the middle finger tip represented the cubit, or half-yard, but with the construction of the Royal Iron Standard yard in the thirteenth century the half-yard fell into disuse. The mile was derived from the old Roman "millia passuum," or thousand paces; the Roman pace was the distance between lifts of one and the same foot.

### Gallon Standards Vary

Gallon measures of volume existed at different times in England and in different forms, such as the ale-gallon, corn-gallon, etc. The United States standard gallon of 231 cubic inches is the same as the wine gallon of Queen Anne's time. This was brought to America in the early days. When we fill the gas tank in Canada we note that it takes a less number of gallons of gas than in the United States to bring the gauge to the top. This is because the British Imperial gallon, standard since 1824, is about 20 per cent larger than our own.

Prior to 1790, many different weights and measures existed in France. The clearing up of this chaotic condition

was started under Louis XVI. However, it was under sponsorship of the Republic that a committee of scientists and engineers developed the metric system in 1793. The meter, to which the subdivisions or multiples bear decimal relation, is the unit of length and



This little box of magic is the "standard of standards" which helps to insure the hair-splitting accuracy of electric meters.

the basis of the metric system. It is defined as the length equivalent to the ten-millionth part of the northern quadrant of the earth, or distance from the pole to the equator at the Paris meridian. The primary standard meter is deposited at the International Bureau of Weights and Measures near Paris, France. This is a platinum-iridium bar with three fine lines at each end; the distance between the middle lines of these two trios, at zero degrees centigrade, or 32 degrees Fahrenheit, is a meter by definition. Two copies of this bar are held by the Bureau of Standards at Washington. A yard is defined as 3600/3937ths of a meter, or in other words, a meter is 39.37 inches. From the unit of length of the metric system, units of volume, mass or weight, and area were developed. These bear mathematical relations to the English units in common use.

### Measure Electrical Resistance

With the discovery of the effects of electricity and the development of apparatus for producing and utilizing electric power, came the need for fundamental units of current and resistance and means for measuring this new article of trade. It was in 1861 that a committee of the British Association for the Advancement of Science was appointed to consider standards of electrical resistance. A decimally-de-



rived standard of electrical resistance, called the ohm after the German scientist of the same name, was adopted. The same committee adopted a practical unit of electrical pressure, called the volt after the Italian electrician Volta. Provided with means for producing a known voltage and a set of standard resistance coils, suitably arranged as in a potentiometer, all the instruments used in measuring current, potential and power can be checked. Add to the above a device for measuring time intervals, and means are then available for checking electrical energy measuring apparatus.

The legal unit of electromotive force in the United States is the International Volt, adopted by Act of Congress in 1894. As defined by the Bureau of Standards in 1911, the International Volt is 10000/10183 of the electromotive force of a Weston Normal cell at 20 degrees centigrade. There are two forms of the Weston Cell (invented by Dr. Edward Weston): the so-called Normal or saturated cell and the unsaturated. A standard cell is shown in the picture on page six.

#### Standard Cell Guarantee of Accuracy

This "standard of standards," the Standard Cell, and its teammate, the potentiometer, are our final guarantee that the various indicating and integrating instruments used are correct. Depending upon these very refined devices are the accuracy of electric meters—household, industrial, and those at the power generating plants—inasmuch as all other devices used in testing service meters are referred back to that little magic box as the Standard Cell, which is in turn, with the standard resistance, certified by the Bureau of Standards at Washington, D. C.

Time is a factor in energy measurements and is the final quantity to be determined in our quest for fundamental units. The unit of time is, as everyone knows, the "mean solar second" or one 86400th part of the mean solar day. Time standards in the United States are determined and kept by the U. S. Naval Observatory and were first sent by telegraph in 1865. In 1905, time signals by radio were started. The method of determining time is based on the uniformity of the rate of rotation of the earth about its axis. Observations are made each clear night by one or two observers on the "fundamental" or "clock" stars from which is computed the sidereal or star day. There are 365½ solar days and 366½ sidereal days in a year, but the mean or average solar day is employed for civil purposes.

Standard star time is kept at the

*"Thou shalt have a perfect and just weight, a perfect and just measure shalt thou have."*

—Deuteronomy.

Naval Observatory by three Reiffler clocks, each set on an individual stone pier in a vault in the earth so far that ordinary earth tremors or vibrations are avoided. These clocks have "invar" pendulums so as to be free from the effect of temperature changes, also a novel escapement such that the driving impulses are transmitted through the pendulum suspension springs rather than from the pendulums. Each clock is sealed in a glass case in which the air pressure is maintained at about 650 millimeters, though the pressure is adjusted to give the clock a slightly losing rate at 84° F. temperature. The temperature and air pressure in the "clock room" and clock cases are recorded in the main office and an alarm bell sounds if any sudden changes occur. After cleaning, the daily rate is apt to increase by as much as 1/100 of a second but at the end of a year they run at a more constant rate and the short period vibrations may be predicted to 1/100 second per day.

We are all familiar with the time signals sent each day by radio from 11:55 A. M. to 12 noon and from 9:55 P. M. to 10:00 P. M. Beginning at 11:55, for example, a dash is transmitted for each second except that the 29th second and the 54th to 59th seconds of each minute except the last when the 50th to the 59th seconds are omitted. The beginning of each dash is the beginning of the second, the end

of the dash having no significance. The time signals are sent from three time transmitting clocks mounted on piers in the "time room" and while they run with high accuracy, one half hour is allowed for comparisons with the standard clocks and for any adjustments.

For the ordinary purposes of commerce and navigation the time signal with an error seldom exceeding .03 seconds serves. But for scientists in their quests for knowledge such as the determination of gravity, etc., the accuracy of the time and the time signal is everything. Therefore, the Naval Observatory calculates the errors to the 1/1000 part of a second as well as the lag of the signal through the transmitting apparatus.

The development of a device for measuring the electrical energy used in a home or commercial establishment has, in a way, resembled that of other trade standards. Progress has, however, been comparatively rapid.

#### Edison Measures Energy

We find that at 3:00 P. M. on Monday, September 4, 1882, the Pearl Street Station in the city of New York started in operation with a load of 400 lamps. The first bill for lighting presented to a customer amounted to \$50.40 and was collected January 18, 1883. It was based on the reading of an Edison electrolytic meter (Fig. No. 1) one of which was installed on each customer's premises. Mr. Edison was convinced that energy should be measured and not estimated nor guessed at. Accordingly, we find a series of patents for a chemical meter issued to him from 1878 to 1881. Here the increase in weight of one plate and the decrease in weight of another immersed in a suitable liquid was a measure of the ampere-hours consumed.

One of Mr. Edison's first customers served from the Pearl street generating station in New York was J. P. Morgan, the financier. One day Mr. Morgan expressed to Mr. Edison the doubt that the chemical meters could be very accurate. Mr. Edison was confident, and suggested that a test be made. A record card was prepared for each fixture,

showing the number of lights in the fixture and the time the lights in the fixture were turned on and the time they were extinguished. The first test ran one month. A clerk added up the lamp-hours indicated on the cards and figured the bill on a definite charge per lamp-hour.

The bill as calculated from the cards was then compared with the bill as



*This is what the "destroying angel" found when the meter was taken apart to see what made it go.*



*Edison's First Standard Two-Wire Meter*

indicated by the chemical meter, and a very considerable discrepancy was shown. The test was continued a second month with similar results. Mr. Morgan was exultant, and Mr. Edison was amused. Calling at Mr. Morgan's office, Mr. Edison looked around and asked when the office was cleaned out. He was told that it was done at night by the janitor, who, when sent for, admitted that he nightly turned on fixture equipment with ten lights. The janitor was requested to record the hours he used the lights and the test continued for another month. This time the bills agreed within a few cents and Mr. Morgan was satisfied that the chemical meter was an accurate device.

#### *A. C. Meter for Residences*

The appearance of the ordinary residence type of A. C. meter is familiar to everyone. It consists of a number of groups of parts which might be classified roughly as the base and cover, the electro-magnetic system, the rotating system and brake, and the counting device or register train. These parts, as well as a model installation, are illustrated in the accompanying photographs.

The electro-magnetic system consists of a small stack of suitably shaped steel punchings upon which are wound two separate coils of wire. One coil is styled the "current coil" and consists of a few turns of comparatively large wire, the other is the "potential coil" and consists of a large number of turns of very fine wire.

The voltage applied to the potential coil and the current flowing through the current coil produce certain effects on the meter disc, causing it to rotate. The permanent magnets act as a brake on the rotating disc, holding its speed proportional to the energy being consumed.

The counting device or register consists of a train of gears actuating pointers on the dial face. The shaft to which the disc is fastened has a worm threaded near its upper end; this worm meshes with a toothed wheel on the register, thus transmitting the rotation of the disc to the dial pointers.

The lower end of the shaft terminates in a hardened and polished steel pivot which rotates in a small highly polished sapphire bearing. It is interesting to note that in spite of the very light weight of the rotating system (0.4oz) the bearing pressure is the highest known, being approximately 54,000 lbs. per square inch. Such a high bearing pressure is the result of an extremely small area of contact between the pivot and jewel, it being of the order of  $\frac{1}{16}$  of one millionth of a square inch. The bearing pressures commonly encountered in engineering practice range from 35 to 60 lbs. per square inch for the steam turbine to 300-800 lbs. per square inch for an ordinary freight car. Such, in brief, is the description of the single phase watt-hour meter.

Meters are, of course, carefully made, inspected and tested before they leave the factories; moreover, before they are placed in service they are inspected and tested in the power company's meter testing laboratory. Thus there is reasonable certainty that 100 per cent of the energy passing through the meter will be registered on the dials. In order to maintain this accuracy, each meter is given a periodical check in service, the frequency of the tests depending on the size and type of the unit; for example, a small house meter is tested every four years, while those for electric railway supply are tested monthly. The tests are made by comparing the revolutions of the meter being checked with the revolutions of a rotating standard, which is in turn cali-

brated by comparison with laboratory instruments, previously mentioned.

It is apparent that the growth of systems of measurement, physical and electrical, was spurred on by necessity; also that the English system is based almost entirely on old customs which finally became legalized. It seems that there was less indecision surrounding the development of electrical units than there was in the development of other standards of measurement. Perhaps this may be attributed to the fact that electrical standards were developed later, so that investigators had the advantage of the scientific advancement of the last seventy or eighty years. Also we see that the authority of the government is behind the time service and all other primary units of weights and measurements, and is the guarantee of accuracy and permanency.

## Alumnus Edits Book

CLARENCE M. WEED, '83 is the author of a book entitled, "Insect Ways," which was recently published by D. Appleton & Co. Although it is written in story form and is enlivened frequently by personification, accuracy has not been sacrificed. Life histories and habits of insects are described and numerous illustrations enhance the attractiveness and value of the book.

Nature study is frequently taught by teachers who have had little or no scientific training or directed reading in the subject, which often means the teaching of fiction or hearsay rather than facts. "Insect Ways" should prove most valuable to the teacher who has not taken a formal course or foundation work in field entomology.

The author is well qualified to write accurately and entertainingly in view of his scientific training and practical experience. He graduated from Michigan State college in 1883 and received his M. S. degree from here also in 1884. In 1891 he received his Sc. D. from Ohio State university. Since then he has been associate editor of the *Prairie Farmer*; entomologist of Ohio Experiment station and later held a similar position in New Hampshire. Much of his work has been done on insect life histories and the teaching of nature study in schools.

Dr. Marietta Eichelberger, nationally known nutrition specialist, lectured before the Home Economics club on October 26.

Miss Grace Frysinger, a member of the extension department of the United States Department of Agriculture at Washington, spent several days on the campus recently in conference with Miss Edna Smith, '03, and R. J. Baldwin, '04, state leader of home demonstration agents, and director of the extension division.



## Who's Who Among the Alumni



**Frank F. Rogers,** '83, E., who retired as state highway commissioner of Michigan January 1, 1929, and who since that time has been retained as consulting engineer, holds a unique record in the good roads program of the State. Since he was made Deputy Highway Commissioner in 1906, and more particular from the time he was made Chief Commissioner in 1913, Mr. Rogers has worked unfalteringly for the improvement and betterment of the roads of Michigan. Not confining himself to Michigan alone, he has traveled widely to learn the latest methods, and to acquaint himself with what has been done in other states. The present splendid highway system of Michigan is a direct outgrowth of his efforts. His two chief avocations are travel and reading, although his interest in the affairs of Michigan State never waver. (To the left)

**Liberty Hyde Bailey,** '82, Ag., distinguished as author, scientist, educator and poet, is one of the greatest authorities on his subject, and Dean Emeritus of horticulture at Cornell university. He has been the recipient of numerous honors, not only in this country, but in others. From the Royal Horticultural Society, London, he received in 1898 the Veitchian medal, and in 1927, the George Robert White medal in his own country. He holds degrees of B.S. and M.S. from this College, LL.D. from the University of Wisconsin, and Alfred university, and Litt.D. from the University of Vermont. His national prominence increased when he was appointed by President Roosevelt in 1908 to the chairmanship of the commission on Country Life in the United States. At present he is retired, and spends most of his time writing at his home in Ithaca, New York. In the following organizations, he is: Fellow of A. A. A. S., member of American Philosophical Society and National Academy of Science; honorary member of the Royal Horticultural Society, London, Horticultural Society of Norway, Japanese Agricultural, Horticultural Society of Japan; and corresponding member of the Royal Academy of Agriculture, Turin, Italy. He is a member of Sigma Xi and Phi Delta Theta fraternities. (To the right)



**Don Francisco,** '14, Ag., who successfully impressed Sun-kist Oranges and Lemons, Sun-Maid Raisins, Sunsweet Prunes, Diamond Walnuts and allied products upon the national consciousness is well known in the fields of advertising. All these accounts have been handled by the firm of Lord & Thomas and Logan, nationally known advertisers, with whom he has been associated since 1921. At present he is vice-president and Pacific Coast manager of the firm. Previous to this, Mr. Francisco was advertising manager for the California Fruit Growers' Exchange, and had charge of all the advertising and trade promotion activities. He was made assistant advertising manager for this firm one year after graduation from Michigan State. (To the left)

# Grand Rapids Alumni Greet President Shaw

## Over Six Hundred Grads Meet in Various Fall Functions

MICHIGAN STATE alumni, members of the Michigan State club of Grand Rapids, together with the visiting teachers of the fifth district of Michigan, held a get-together dinner meeting at the Masonic Temple building in Grand Rapids on October 23.

Gilbert L. Daane, w'09, president of the Grand Rapids Savings bank, and the newest honorary member of the alumni Varsity club, acted as toastmaster and greeted President R. S. Shaw in behalf of the 100 alumni present. His talk was one of those characteristic straight-forward, informative chats that enlightens one fully of the problems which he considers of vital importance to the development of the College.

### Garfield and McPherson Speak

The program, while short, was of unusual interest with Charles Garfield, '70, giving a word of welcome to the guests and relating his experiences at the "Agricultural College" in the late '60's; R. Bruce McPherson, '90, president of the general alumni association, appealing for solidified alumni support; Dr. Marie Dye, dean of home economics, reviewing the co-educational side of the College and G. O. Stewart, '17, who observed the growth of alumni interest.

The visit by President Shaw to the Furniture City club was the first of a series which the alumni association has proposed and which will take him to several of the large clubs during the year.

Among those attending were: Dorothy Rusche Baxter, '19; Margaret E. Weidner; Ada Young Pritchard, '20; Willis W. Atwell, '30; Gilbert Vander-Male, '30; Earl R. Berg, '30; Alfred J. Simpson, '26; Mr. and Mrs. Harvey M. Sass, '18; Dorothy C. Steel, '21; Esther A. Ernst, w'24; Carl B. Waters, '16; Walter A. Wood, '12; Marie B. Bos, '21; Margaret B. Thomson, '22; Nelson C. Voshel, '29; Frank F. Rogers, '83; T. O. Williams, w'85; Victor C. Beal, '28; C. J. Barnum, '94; Chas. A. Hamilton, '11; Don A. Meeker, '17; Jos. F. P. Newhall, '18; Thos. Gunson; Chas. Garfield, '70, and wife; DeGay Ernst, '22; Henry L. Staples, '14; John Bos, '22; Waldo M. Ball, w'99; Gladys K. Brady, '22; Jake Brady, '23; Theodore Haskins, '27; D. H. Pritchard, '23; Dorothy Stuart Watson, '23; Helen G. Bradford, '23; C. M. Hough, '22; Bernice Randall Hough, '24; E. E. Olsen, '24; Don Hansen, '26; Roy M. Maitland, '21; Homer B. Armstrong, '24; D. E. TenDyke, '27; F. D. McCally; G. H. Cowles, '26; Ben J. Dobben, '26; W. A. Quigley, '18; Elmer F. Way, '19; H. D. Straight, '17; Gladys Harker Straight,



PRESIDENT R. S. SHAW

'18; Marie Coryell, '20; Sherman Coryell, '18; L. H. Verschoor, '17; W. Simon; Dan Henry, '15; John C. Rappleyea, '26; Ruth Gene Palmer Rappleyea, '25; Glen O. Stewart, '17; Hugh C. Campbell, '30; Mary Jennings, '30; Dorothy Doyle, '21; Dorothy Holden, '30; Thomas A. Steel, '21; Jack Cosgrove, '22; Lulu Leech; Margaret Hitchcock; Carl B. Waters, '16; V. Benette Strauch, '27; Grace Bower, '30; Victor Beal, '28; Lucile F. Bunge, '29; Grace Floten, '30; Shirley Mixer, '30; M. B. McPherson; Martha M. Stein, '27; Margaret Thomson, '22; Henriette Scovell, '29; R. Bruce McPherson, '90; Bob Gordon, '29; H. Koopman, '22; C. M. Brown, '22; Margaret Brown North, '22.

### Food City Holds Annual

SEVERAL of the loyal alumni in Battle Creek chose the evening of October 30 for the annual meeting in the Food City. Some thirty visiting teachers joined them at the new Presbyterian church where Ed. A. Malasky, '20, was chairman of the evening.

Weaving a series of word-pictures Professor L. C. Emmons, of the College, spoke of Alma Mater in a manner that would have swayed judges and juries. An expression of faith in the integrity of President Shaw's administration was voiced following the meeting.

Among the names on the register were the following:

Hester R. Bradley, '23; Dorothy Mulvena Bradley, '29; A. Ferris Bradley, '28; L. R. Stanley, '16; Milton Simpson, '11; Marshall H. Shearer, '16; Mrs. M.

H. Shearer; Meredith Heald, '30; Edw. A. Malasky, '20; Floyd Hazel, '22; Lloyd C. Emmons; Mrs. Lloyd C. Emmons; C. S. Dunford; Mrs. C. S. Dunford; M. L. Bailey, '22; Mrs. M. L. Bailey; Rose J. Hogue, '16; Mary Ellen Graham, '14; Jane Hull, '29; Eunice C. Winans, '29; T. D. McCally, '26; O. B. Pederson, '29; K. C. Poulson, '29; O. E. Harrington, '16; A. L. Knoblauch, '29; H. O. Corbus, '15; Merle D. Byers; Gladys Love, '24; Thomas H. Kerrey, '29; Gladys Bradley; Edith Simanton, '28; Carrie Raymer; Mildred Koyle, '30, and J. W. Morey.

### Teachers Rally in Lansing

TEACHERS of district three meeting in Lansing on Monday, October 27, used that occasion for a small M. S. C. pep meeting at noon in the Central Temple House.

"Bill" Taylor, '23, superintendent at Okemos, acted as chairman of the meeting and conducted a short, snappy but interesting program. Dr. E. L. Austin of the Education department and Alumni Secretary Stewart were the speakers.

Those who were able to attend included:

C. W. Overholt, '24; Mrs. C. W. Overholt; A. N. Nesman, '20; Mrs. A. N. Nesman; M. C. McLay, '25; M. A. Leach, '17; M. J. Paine, '14; W. J. Rawson, '16; Lulu E. Thomas, '27; Jay Dykhous, '23; Miss Ellen Thompson, '14; Leah W. Smith, '24; Gladys Love, '24; Mabel C. Rogers, '10; J. Edward Soper; Adrian Qrimpe; Bernice M. James; Margaret Zachariah, '26; Corinne Bachus, '27; Marie Volz, '25; Fred J. Williams, '24; Mrs. Estelle Morse, '28; Clyde Allen, '23; D. E. Clay, '28; L. G. Morse, '27; James Moulton, '24; Dr. E. L. Austin; G. O. Stewart, '17; Luke H. Kelly, '25; H. O. Brandt; Hugh J. Bartley; Daisy Bartley; Alice N. Teel, '29; Helen I. Parmelee; E. L. Benton, '30; Mrs. E. L. Benton; A. K. Wissman, '21; Wm. H. Taylor, '23, and E. E. Hotchin, '12.

### Dr. Hedrick Detroit Speaker

REVIVING an old custom, in Detroit, the teachers attending district nine meeting met at the Statler hotel for a luncheon Thursday noon, October 30.

C. H. Osgood, '21, as chairman, introduced Dr. W. O. Hedrick, '91, vice-president of the alumni association, Dean Marie Dye, and E. E. Gallup, '96, who reviewed many interesting phases of college and alumni activity.

Those seated at the table included:

C. H. Osgood, '21; E. E. Gallup, '96; W. O. Hedrick, '91; Fannie E. Beal, '08; Dean Marie Dye; E. R. Bristol, '24; Virginia G. Bristol; Florence Binch; Grace

Kellogg, '29; Rose Kidd; Iva Leinbach, '29; Donald Kline, '27; Clark M. Pierce; Warren J. Coon, '17; M. E. Hath, '24; Dr. E. L. Austin, and E. I. Besemer, '22.

#### Flint Group Meets

WITH MORE than sixty-five alumni and guests present, the Flint alumni club celebrated their annual meeting in the dining room of the Masonic temple, Monday evening, October 27.

Following the first course and during the evening Gray's octet of Flint intertained with numerous selections.

All business was postponed to allow the visiting teachers an opportunity to hear the talks and adjourn in time to attend the evening lecture.

Secretary H. H. Halladay and Alumni Secretary Stewart were guests from the Campus and dealt for a few moments on the business side of the College and the program of the alumni association. E. E. Gallup, '96, chairman of the annual alumni fund, stressed the support of the new plan of alumni finance and insisted that "the effectiveness of the plan, depends upon the support given it by each alumnus."

The following alumni were among those present:

Glenn G. Holihan, '16; S. A. Boatman, '16; R. Earle Graves, '13; R. G. Voorhorst, '10; Mrs. R. G. Voorhorst, w'20; Freda Hecht, '27; Gladys Goepfert, '26; Myron R. Wait, '22; W. D. Howell, '26; L. O. McNally, '24; Martha Scott, '26; Florence Cowles, '29; Howard E. Beatty, '16; Lloyd L. Weaver, '16; Margaret Preston, '30; Don Fleser, '27; Harold Schoonover, '26; Adelaide Schoonover, '28; Irving Kirshman, '14; Jerry Reynolds, '27; Karl Davies, '28; Kathryn Faner, '30; Harlan Bogie, '25; Mrs. A. H. Maxson; A. H. Maxson, '25; E. E. Gallup, '96; Lewis Taylor; H. H. Halladay; G. O. Stewart, '17; Perry Schad, '09; Jake L. Meachum, '27; Stephen Youngs, w'28; Hugo T. Swanson, '23; G. R. Bogan, '16; E. J. Grambau, '20; L. J. Braamse, '26; C. R. Gofton, '25; H. E. Chatfield, '29; E. R. Childs, '28; R. E. Hammond, '22; Helen Hammond, '24; Geo. R. Fryman, '05; W. W. Carpenter, '26; R. C. Trott, '29; Virginia Hack, '30; Mrs. L. B. Abel, '26; Lyle B. Abel, '25; and Margaret C. Fryman, '08.

"Perhaps there is no occasion when the heart is more open, the brain more quick, the memory more rich and happy, or the tongue more prompt and eloquent, than when two schoolday friends, knit by every sympathy of intelligence and affection, meet . . . after a long separation . . ."—Disraeli.

If your RECORD subscription has expired, a gift to the annual alumni fund will reinstate you.

*Some Pay Their Dues  
When Due—  
Some,  
When Overdue—  
Some Never Do,  
How Do You  
Do  
?*

### An Appreciation

MICHIGAN STATE COLLEGE has had many outstanding teachers. The name of Alfred Knight Chittenden rightly deserves a place in this honored list. By whatever test a true teacher is calibrated, Professor Chittenden satisfied the most exacting.

His former students, and those now in school, have suffered an irreparable loss in his passing. The faculty of the College, the people of the State of Michigan, and the profession all over the United States will miss his keen mentality and his great interest in forestry matters. The students have lost a true friend and advisor, the state and the nation an able advocate of forestry.

He entered the United States Forest service in 1907 and in 1911 was transferred to the Indian service. In 1914 he joined the faculty of the then Michigan Agricultural college as professor of forestry. He has been a director of the Lake States Forest Experiment station, president of the Michigan Forest association and president of the Ohio Valley section of the Society of American Foresters where he showed a keen interest in the affairs of that society.

Our "Chief" as he was affectionately called by his many students, was a member of the Sigma Xi, and took an active part in the honorary forestry fraternity Xi Sigma Pi.

We foresters who were his former students take this opportunity of expressing great sorrow in the loss of an instructor and a friend, and extend our deepest sympathy to his wife, Mrs. Lulu W. Chittenden.

Professor Chittenden was a splendid forester, a high-minded gentleman of the old school, and a faithful friend to all those with whom he came in contact. His memory will long be shared by students and faculty alike; and he will always have a place in the hearts and in the minds of those who are interested in the promotion of forestry in this state and in our nation.

—E. C. Mandenburg, '15.

Detroit, Lansing and Grand Rapids alumni club members hold weekly luncheons. Are you attending?

### Forestry Head Dies

PROFESSOR Alfred K. Chittenden, head of the forestry department, died Saturday, November 1, at Sparrow hospital, in Lansing, following several weeks' illness. He was 51 years of age and had resided at 619 Grove street, East Lansing, for a number of years.

He came to the College in 1914 after having spent several years in the United States Forestry service, and during that time had established an enviable record in forestry work of the state. Prof. Chittenden was graduated from Yale university



in 1900, and two years later received his master's degree in forestry at that institution. He was born at New Haven, Connecticut, in 1879.

Several honorary and important offices have been held by Professor Chittenden. He was a former president of the Michigan State Forestry association, a director of the Lake States Forestry station, and was a past president of the Ohio Valley section of the American Forestry association. Many technical bulletins and pamphlets were written by Professor Chittenden during his sixteen years in the department.

He is survived by the widow, Lulu W. Chittenden, and the father, R. H. Chittenden. A local funeral service was held and the body was taken to New Haven, Connecticut, for burial.

### Liberal Arts Course

AN exceptionally fine program of lectures will comprise the College lecture course this winter, which started with Ruth Bryan Owen, on November 20, when she delivered her interesting talk on "Our Place In This Changing World."

Additional lectures which will be heard in the auditorium of the Peoples church and open to alumni as well as undergraduates are as follows:

December 18—Captain Sir Hubert Wilkins, "Flying the Ends of the Earth."

January 29—Lorado Taft, "My Dream Museum."

February 10—Maurice Hindus, "A World That Never Was."

February 17—Tom Skeyhill, "The Last of the Long Hunters."

March 4—Count Luckner, "My Buccaneering Cruise."

The 4-H club department is sponsoring a new organization with membership limited to students who at one time or another were members of boys' and girls' club in the various counties.





## "CLOSE BESIDE

### Agriculture

Climaxing a long uphill struggle for national recognition, Spartan dairy judging teams have just concluded the 1930 season with an unusually successful record. It has been several years since Michigan State brought back major awards from the intercollegiate judging contests held in connection with the National Dairy show, the Dairy Cattle Congress, and the National Dairy Industries exposition.

This year's dairy cattle judging team consisting of Laurel Keyt, '31, Kenneth Parish, '31, Charles Davis, '31, and Russell Waite, '31, as alternate, and coached by Professor George Taylor, placed ninth among 25 teams at the National Dairy Show contest at St. Louis, placing second in Jerseys and sixth in Guernseys. Keyt was high individual of the contest and Parish won first place in judging Jerseys.

At Waterloo, Iowa, the team as a whole placed third. Parish was third in Jerseys and Guernseys and high individual of the entire contest.

At the National Dairy Industries exposition in Cleveland the dairy products judging team placed fifth among eight teams and here again State produced a high individual winner. Leonard Dowd, '31, was sixth high man of the entire contest and received as an award, a \$750.00 scholarship at any approved college if pursuing his master's degree work in dairy products manufacturing. Henry Gleason, '31, and Burrell Henry, '31, were the other members of the team with Donald Keppel, '31, as alternate, and Professor G. M. Trout as coach.

November 4 was a "big" day for the dairy department for on that evening, members and guests of the dairy club held their second annual "Bean Feed" in the work rooms of the College creamery. More than fifty students and faculty members were in attendance. After the meal, at which beans were the main course, a program of entertainment was held. "Pop and Jab" the ever popular Campus vocalists, furnished the musical numbers while members of the judging teams reported on their trips and exhibited for the first time the trophies and awards which were won during the season.

On November first the animal husbandry department moved its stock to the new barns which have been completed opposite the new horse barn on farm lane. The new buildings, five in all, furnish sufficient room for the entire breeding and experimental herds of beef cattle and sheep. An up-to-date meat laboratory is included in the unit, chiefly for class purposes. All of the barns have clay floors, a somewhat unusual feature, concrete being quite generally accepted. Wood is used almost exclusively in partitions and pens, steel equipment being used but sparingly. The old barns near the power plant and the new chemistry building have been completely razed, thus removing the last remnant of the College farm from the north side of the river.

To induce higher standards of scholarship in the horticulture division, the Beekeepers' Seminar recently announced its plan to award a \$25.00 scholarship to the junior horticultural student having the highest scholastic standing.

The present method involves the use of the new bucket and either horse or tractor power with a triangular hitch and without a hoist. One man can successfully operate the equipment. The set-up is exceedingly simple and can be set up in two hours by two or three men, and dismantled in one hour.

Under the direction of Mr. George Amundson, extension specialist in agricultural engineering, a total of 18 two-day demonstrations have been given in various parts of the state. The average attendance was 56, making a total of more than 1,000 interested farmers who saw the machinery in operation. Using various horse hitches and all types of tractors, a total of 1,250 yards of marl were extracted—enough to cover more than 300 acres at the rate of 4 yards per acre.

The values of the demonstration cannot be accurately measured, but the actual marl extracted will certainly be of value on the several hundred acres upon which it was spread. An unusually dry summer has impressed growers of hay that alfalfa withstands drouth the best of all hay crops, and that soils treated with lime or marl produce the most resistant stands.

After almost two years' of experimentation and research, the College chemistry experiment station in connection with the State Board of Health and the engineering experiment station has developed a successful method of disposing of milk products waste. An improved plan for filtering the waste through gravel planted with certain biological forms gives an efficiency as high as 93 per cent in some cases. Five states have already adopted the method.

Fifteen years of research were culminated recently when the agricultural engineering department announced the development of an efficient, convenient, low-cost method of extracting marl for use on acid soils. Six years ago the department perfected a successful bucket to use in connection with a hoist and mechanical power. A high initial investment prevented a universal adoption of the method and in 1929 the bucket was re-designed. Due to the unusual stickiness of the marl, ordinary excavating machinery will not work.

### Engineering

Professor F. G. Sefing and M. L. Surls, '29, of the mechanical engineering department were honored recently at a combined meeting of the American Society for Heat Treaters and the American Association of Mechanical Engineers in Chicago in recognition of the work which they have done in the heat treating methods used in connection with cast iron. Professor Sefing and Mr. Surls have been especially interested in the reclamation of heat lost from the cupolas in the melting of cast iron, and their paper on the subject received special comment.

Foundry facilities are being enlarged to make possible the casting of grates for the College boiler plant on the Campus. Heretofore it has been necessary to secure these grates from outside sources and casting them on the Campus will economize considerably.

Professor L. P. Brenkinridge, a member of the engineering faculty of the College from 1891 to 1893, spent some time recently visiting the present department.

# THE WINDING CEDAR"

On November 12, Michigan Alpha chapter of Tau Beta Pi, national honorary engineering fraternity, initiated eleven high rating juniors and seniors at the annual fall term initiation. The following men were initiated: Albert G. V. Kullberg, '31, M.E., Bay City; Theron R. Hardin, '31 E.E., East Lansing; George T. Hittell, '31 E.E., Bay City; Wm. B. Edwards, '31 C.E., Lansing; Harold W. Rinn, '31 Ch. E., Harbor Beach; Leslie S. Ford, '31 C.E., Dundee; Lloyd L. Arnold, '31 C.E., Lansing; Lyle Ackley, '31 C.E., Pulaski; Alfred J. Wangeman, '31 E.E., East Jordan; Alan C. Nelson, '32 Ch. E., Northport; and Clare Harrington, '32 C.E., Lansing.

## Applied Science

Professor L. C. Emmons, of the mathematics department, has been instrumental in a recent move to give Michigan State an "A" rating by the Association of American Universities and the American Association of University Women. Several months have been spent in compiling the necessary data which are being forwarded to the associations mentioned above. A personal inspection of the Campus will be necessary before the rating can be granted, and it is expected that this will take place next fall term. There are several distinct advantages to be gained in securing this "A" rating. Students who transfer to other colleges will not lose as high as 25 per cent of their credits as has often happened in the past.

New greenhouses, costing in the neighborhood of \$20,000, are under construction for the Botany department just to the rear of the present building. The greenhouses, which will be used exclusively for experimental research in plant pathology and physiography, fill a long-felt want of the department, according to Dr. E. A. Bessey, head of the department. The new unit consists of two long houses 22 by 60 feet, connected by one 22 by 26 feet.

Michigan State chapter of Alpha Chi Sigma, national professional chemistry fraternity, was given an "A" rating at the recent biennial conclave held in Minneapolis, Minnesota. Only a small

proportion of the chapters received this honor, and the local chapter, entering upon only its third year, is thoroughly proud of its achievement. Warren H. Atkinson, '31, president of the local chapter, acted as delegate.

## Music

On November 16 Michigan State college again paid tribute to her sons who lost their lives in the world war in the annual memorial service. The program was arranged by Professor Lewis Richards of the Michigan State Institute of Music and Allied Arts in conjunction with the military department. The college chorus, men's and girls' glee clubs, the Orpheus club of Lansing, and the college orchestra and military band participated in the service with Zinoviy Kogan conducting. "A Canticle of Praise," an original poem by Witter Bynner, was read by R. B. Wilkes and H. C. Rather, '17. This year several of the families of these men who never returned, were present at the memorial service.

The plan for granting scholarships to worthy music students was outlined to the club women of Michigan recently when Professor Lewis Richards, director of the Michigan State Institute of Music and Allied Arts, spoke before the State Federation of Women's clubs in session at Jackson. There are already a number of students at the Institute who are continuing their studies by reason of scholarship and through the women's clubs this number will be increased.

Press notices and comment in the musical magazines tell of another triumph of Louis Graveure, head of the voice department at Michigan State Institute of Music and Allied Arts, who was recently heard a New York concert at Town Hall. Acclaimed one of the world's finest artists, Mr. Graveure as a member of the faculty has again brought honor to Michigan State college.

L. L. Renwick, former head of the University of Michigan organ department, has accepted a similar position with the Michigan State Institute of Music and Allied Arts. Mr. Renwick is widely known as an organist or un-

usual ability and has studied considerably abroad as well as at the University of Michigan where he took his undergraduate work.

At a recent meeting of the Men's Glee club the following officers were elected: President, Thomas Garland, '31; vice-presidents, R. E. Fahrney, '32, and D. W. Brovont, '32; secretary, J. W. Palmer, '32; treasurer, J. S. Aldrich, '32; manager, R. L. Richards, '32; assistant managers, Ralph Loomis, '31, and T. Lake Simpson, '32.

## Liberal Arts

Sigma Epsilon, a newly organized honorary business administration fraternity, met for its first meeting October 24. Seventeen members constitute the organization which will be limited to 25 active members. The fraternity aims to encourage high scholarship among students of its division and also to attempt some research work in Lansing. Officers were elected as follows: President, John Harvey, '31; vice-president, Sam Mitchell, '31; and secretary-treasurer, Harold McVay, '31.

A unique innovation in the form of a speech clinic for the scientific correction of speech defects has been established on the campus. Weekly meetings are held under the direction of Rex Wilkes of the speech department. A large number have already enrolled in the work.

## Graduate School

A new enrollment record has been established in the graduate school according to Dean E. L. Bessey. Statistics show a total of 174 graduate students taking work for either their masters' or doctor's degrees. Forty-nine advanced degrees were granted in June and an additional nine were granted at the end of the summer term.

## Home Economics

Miss Barbara Van Heulen, '13, arrived last week to assume her new duties as specialist in home marketing, a new division of the extension department.



*E. C. KREHL, '08, O. A. Taylor, '15, and Don G. Robinson, '22, officers of the Michigan State College Club of Detroit, believe that the publishing of an annual alumni Year Book for the Detroit area will solidify even more closely the loyalty of their group.*

## Plan New Alumni Directory

THE importance of issuing a new alumni directory for the College as well as alumni centers has been impressed on the secretary by the numerous demands upon his office for such

lists. The last directory issued in 1916, is hopelessly out of date as it lacks nearly 50% of the total names of the alumni body.

The present plan is to issue a new

directory this winter with the alumni office and publications office cooperating. The tedious task of compiling the necessary data has been in progress for several months.

Paralleling this plan has been the decision of the board of directors of the Detroit alumni club to issue their first annual Year Book by February 1. Questionnaires and information cards have been mailed to all people in the Detroit area and to all but the last ten graduating classes for the large College directory. To make these directories true and accurate records the editors must have the co-operation of every alumnus and former student. But there are quite a number LOST, STRAYED OR WANDERING.

If you have been delinquent in returning your questionnaire card to the Detroit club, or the mimeographed information blank to the alumni office, please do so at once.

Detroit, Lansing and Grand Rapids Alumni club members hold weekly luncheons. Are you attending?

## IN MEMORIAM

DEWITT CLINTON POSTLE, 1875

DeWitt Clinton Postle, '75, passed away at his home in Wapakoneta, Ohio, August 7, 1930.

He is survived by his wife, two sons, and an adopted daughter, Miss Clara Williamson Postle.

Oscar E. Angstman, a classmate, says of Postle: "When I matriculated at the Michigan Agricultural college in the spring of 1872, one of the first boys I met was Mr. Postle. He was then from Columbus, Ohio, and became with me a member of the class of 1875, and we finished the course together.

"Of course I knew him intimately these four years. He was a man of the best character, and became a member of the College Christian Union immediately, and was active in this work during his entire course of study at the College. I saw him a few times within the intervening years, and knew that at the last he had been an invalid. His daughter says of him, 'He was a good, kind, clean, pure, generous and affectionate man,' which, surely is a significant tribute."

OSCAR L. BIRD, WITH 1932

Word has been received that Oscar L. Bird, Fremont, a sophomore at the College, was drowned recently in Second lake near his home while swimming.

Efforts of a younger brother and a companion to effect a rescue from a boat proved futile.

WILLARD F. HOPKINS, 1893

Willard F. Hopkins, '93, vice-president of the Chicago Trust company, died at his home at 1141 Tower road, Hubbard Wood, Winnetka, Illinois, November 5.

Mr. Hopkins was born June 18, 1873, in Kalamazoo, Michigan, and attended the Plainwell, Michigan, high school. He entered M. A. C. in 1889, and pursued the mechanical engineering course until 1893. Before going to Chicago he had a wide banking experience in Petoskey, Lansing, Munising, and Detroit, all in Michigan, and in Buffalo. He went to Chicago as secretary of the Chicago Trust company in 1917, and was elected vice-president in 1924.

In 1926, under the presidency of K. L. Butterfield, he was recalled to the College and granted the degree of B. S. as a mechanical engineer as of the class of 1893. He was much thought of while on the Campus and had many friends among the students of his day and since.

He was married in 1913 to Maude M. Conable of Warsaw, New York, who survives him. He also is survived by a son, Willard Conable Hopkins. He was a member of many clubs, Delta Tau Delta fraternity, and various bankers' clubs. Interment was made in Warsaw, New York.

MARCUS SMITH THOMAS

Marcus S. Thomas, '79, died May 5, 1930, at his home in Decatur, Michigan.

MRS. IDA B. POKORNY, '07

Mrs. Ida B. Pokorny, '07, died October 16 following an operation. Mrs. Pokorny was born in Livonia township, Wayne county, and lived all her life in Detroit, except when attending M. A. C. with her husband, Emil C. Pokorny, '07. The Pokornys have always taken a great deal of interest in the College and have frequently returned for alumni gatherings. While in attendance at College they occupied a house built especially for them, located on Evergreen avenue.

Mrs. Pokorny is survived by the husband, Emil C., '07, and two daughters.

MRS. JESSIE STARR

Mrs. Jessie Starr, wife of George E. Starr, w'96, specialist in horticulture at M. S. C., died Sunday, November 8. She had suffered for a long period from heart attacks and asthma, and the combined effect of the two was held responsible for her death. Mrs. Starr was formerly a resident of Lansing before moving to her rural home near Williamston several years ago. She is survived by her husband and three children.

JOSEPHINE DOUGLASS, 1906

Word has been received of the death on April 10, 1930, of Josephine Douglass, w'06.

CLARK ASHLEY DETTLING, 1918

Word has been received of the death on September 12, 1930, of Clark A. Dettling, '18, of Allegan, Michigan.





SCENES from the Washington trip. The band entertained the guests of the hotel and cheered the Washington alumni. Official delegation at Arlington cemetery where a memorial wreath was placed on the tomb of the unknown soldier. The railroad furnished an illuminated sign on the observation coach. A side-trip to Annapolis where the middies passed in review.

## Climax Homecoming with Victory Over Colgate

Alumni Varsity Club Re-elects Bibbins, '15; Help Smead

Surprising their most ardent supporters, Jim Crowley's Spartans in their triumphant 14-7 football victory over the gigantic Colgate Maroons signaled "the end of a perfect day," on Saturday, October 18, which was observed by Michigan State alumni and fans as Homecoming day. Preceding the big event of the afternoon there was the usual gathering of old college friends and acquaintances during the morning, meetings at fraternity and sorority houses and the big annual meeting of the alumni Varsity club.

Early Friday, large numbers of visitors flocked to the Campus, and Russell Simmons, '18, president of the Los Angeles club, was sure he had come the longest distance. Imagine his surprise when the name of Arthur C. Mason, '13, HONOLULU, headed the list in the alumni registration book. All day Saturday the Union lobby was buzzing when the spirit of past years was recalled by former campus leaders, athletic stars, journalists, actors, musicians and general "big shots" in reminiscences of their own college days at State.

Despite the fact that the inclement weather made the task of decorating the exterior of sorority and fraternity

houses a hazardous undertaking, a considerable number were gaily decked out in brilliant regalia. The colors of the two schools were used freely in the many unique and beautifully decorated effects.

Because of the beauty and appropriateness of the Lambda Chi Alpha decorations, a committee composed of Dean Elisabeth Conrad, Professor H. W. Joyner, Professor C. B. Halligan and B. R. Proulx awarded the Interfraternity council loving cup to them. The Delphics and Phyleans were awarded honorable mention.

The annual dinner of the alumni Varsity club held on the third floor of the Union was by far the best ever held by the former letter men. President A. L. Bibbins, '15, and George Wenner, secretary, were unanimously returned to office for another year by the 82 voting members in attendance.

Under the able leadership of A. L. Bibbins, the Varsity club voted to start a scholarship fund to assist Harold Smead, injured Spartan captain, in completing his one and one-half year of school work. Over \$400 was collected before the meeting adjourned and a committee of George "Carp" Julian, Blake Miller and George Wenner, all

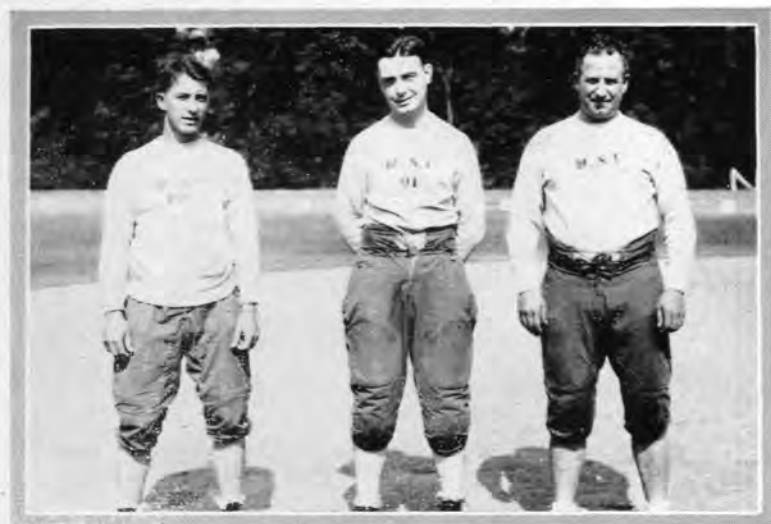
residents of East Lansing, was appointed to handle the fund and to receive additional contributions.

The game was the highlight of the week-end and served as the greatest drawing power. The west stands were thronged with students of other years who had come back to cheer on their own "under dog" team against the invasion of a formidable foe from the East. The breath-taking last-minute dash to victory made an impression that sets this Homecoming in a class by itself and will be remembered long after most other things are forgotten.

The numerous parties and open houses at night reflected the "kick" that the alums got out of the game. While there was no reports of rowdism or of carrying the celebration too far, the spirit that the game engendered did put the reunions over in a manner that will be hard to duplicate in subsequent Homecomings.

The interfraternity council banned the pledging of freshmen the first week of school. And the "Campus Cynic" inquiries, "Just what is the status of an unofficial pledge?"

Annual football bust December 20.



**T**HE "Three C's"—Casteel, Crowley, Carberry—have given State a winning football team this fall through their untiring efforts and the masterful way in which they handle their men. Head Coach Crowley is a thorough student of psychology and deals with his players intelligently. Glenn (Judge) Carberry, another Notre Dame star, has schooled the linemen well in close-in play. Miles W. (Mike) Casteel, experienced in knowing the men from high school to college, has been of valued assistance to Crowley in the backfield coaching. To Casteel goes much credit for accurately scouting the Spartan opponents and developing effective defense plays.

## Who Said the Spartans Had a Poor Season?

### Alumni Voice Praises of Crowley During Second Year

**R**EGARDLESS of what transpired in the final game of the season with University of Detroit, the Michigan State college football season enjoyed its most successful schedule in at least 10 years. A tie with Michigan, a 14 to 7 victory over Colgate university and a triumph over North Dakota State by a 19 to 11 score helped move the Spartans into an enviable place in the spotlight. On top of this Case School of Applied Science, Cleveland, Ohio, was smothered 44 to 0.

#### Colgate Victory Major Triumph

What is hailed as the first major triumph in recent State gridiron history was achieved here on Homecoming day when Colgate, giant Eastern eleven, was humbled. With the big Eastern Maroons rolling along at a point-a-minute clip the most ardent followers of State's teams had dim hopes for victory. In view of Colgate's apparent class, just a good game, lose or draw, would have satisfied about everyone at the game. But when State came through with a victory by virtue of a sensational 62-yard dash for touchdown by Bob Monnett in the last two minutes of play, it capped the climax of a big afternoon. It also proved that the Spartans' scoreless tie with Michigan two weeks previous meant something.

State's victory was gained through the medium of aggressive and intelligent football. The Spartans seized two "breaks" and converted them into touchdowns. Colgate thundered down the field in the first quarter just as everyone who had read of the big Maroons had expected. When they neared the State goal line their march stopped and the Spartans began to assert themselves. They fought a dogged battle through the first half, finishing in a scoreless tie. The second

half had barely opened when Roger Grove plucked a fumble out of the air and, taking the ball in full stride, ran 37 yards to a touchdown. Hard tackling made a Colgate back fumble and Grove's alertness put him on the spot to grab the fumbled ball. Aroused by this sudden score, Colgate caught the ball from the kickoff and smashed straight down the field for a touchdown in no uncertain fashion. There was the Colgate machine. With the score tied and only two minutes left to play Bub Meiers, sophomore center, intercepted a Colgate forward pass and on the second play Monnett scrambled off tackle and was away for his run behind hard blocking.

#### Lose to Georgetown

There was a big celebration Monday on the Campus over this major triumph but the team was not affected, winning from Case the next Saturday 44 to 0. But the break had to come and against Georgetown university at Washington, D. C., the only long road trip of the season, State lost by one point, 14 to 13. The Spartans were out-playing their opponents throughout the game but the night football and a round of sight-seeing all day before the game was staged undoubtedly had something

to do with the outcome. Georgetown ran 57 yards for one touchdown after a forward pass and 92 yards for another after kickoff. They never were able to work the ball into State territory and the Spartans threatened to score right off on two occasions at the start of the game.

After the game, Coach Crowley expressed himself by saying: "Until tonight I thought my boys were winning on pure fight alone. When I saw them behind two touchdowns and then watched them score two touchdowns on their own account to almost tie the game, I knew I had a football team."

North Dakota State, the third inter-sectional opponent on the schedule, was beaten here 19 to 11 in the next game, November 8. State found a very capable and hard fighting team in the Bisons from the northwest. State seized a 6 to 0 lead in the first quarter, was ahead 6 to 4 at the half as the result of two safeties. Early in the third period the visitors forged into a 11 to 6 lead only to have Bob Monnett turn in a 65-yard run for touchdown, after intercepting a forward pass. Thus State led 12 to 11 at the end of the third quarter. A blocked punt by George Handy and recovered by this big junior guard, gave State a 19 to 11 victory soon after the third period opened.

### A Spartan Record 1930

State 28; Alma 0  
State 0; Michigan 0  
State 32; Cincinnati 0  
State 14; Colgate 7  
State 45; Case 0  
State 13; Georgetown 14  
State 19; North Dakota State 11

**S**TATE will lose five men from the regular football team this fall. Don Ridler, a tackle; Claude Streb, a guard, and Cecil Fogg, an end, are the three men playing in the line. Another trio passes from the backfield in Roger Grove, quarterback and star punter; Jerry Breen, halfback, and Carl Nordberg, halfback.

Annual football bust December 20.



## Chamberlain Victor

CLARK S. CHAMBERLAIN, cross-country team captain, won a great amount of glory for himself and added materially to the prestige of Michigan State athletically when he won the national intercollegiate cross-country championship at Van Courtland Park, New York City, on November 17. Chamberlain placed fourth in this event last year and through his victory earned a place on the All-American honor track team that is selected every year.

Because he ran off his course for 140 yards Chamberlain missed setting an all-time record for the event. Never having run in high school, he has been entirely developed by Coach Morton Mason, distance coach at State, who has turned out the best runners ever to wear the green and white. His athletes have eclipsed every record that was on the books prior to Mason's coming as coach.



—at the finish

The cross-country season as a whole was a disappointment to Coach Mason. He lost all but Chamberlain from his team of last year. For three years his runners were unbeaten in dual competition. Chamberlain's victory served to compensate for other losses, however. Michigan and Notre Dame conquered State for the first time in four years this fall but the Spartans beat Butler university in another test.

BASKETBALL is under way. Coach Ben VanAlstyne has been tuning up the squad of 20 players for several weeks, operating on a three-a-week practice schedule. He has his three captains, Roger Grove, Wayne Scott and Arthur Haga, available this fall. The last two named are guards while Grove is a forward. Loss of such first string stars as Don Grove, Fred Den Herder and several second stringers has Coach VanAlstyne worried. He looks for a strong team late in the season, however.

### The Prof's Job

The only non-commercial agency through which college and university professors can get jobs is the appointment service conducted by the American Association of University Professors, 26 Jackson place, Washington, D. C. The association in its aims and policies is similar to the American Bar association in the law field and the American Medical association in medicine.

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## Apple Shippers Meet

THE prominent part played by graduates of the Horticultural department of the College was shown August 11 to 13, writes Dave Peppard, '17, when a large number of State alumni were present as members or guests of the annual International Apple Shippers' convention held in Grand Rapids.

Peppard, who is district manager in the Chicago office of the Federated Fruit and Vegetable growers, states that M. S. C., without a doubt, had the largest representation present of any school in the country.

Among those attending were the following: M. S. Fuller, '16, orchardist, Eau Claire, Michigan; Van Taggart, '16, Fry Brokerage Co., Chicago; Joe Ryan, '18, Geo. Hitz & Co., Indianapolis; "Pink" Pailthorp, '13, and D. F. Fisher, '12, U. S. Department of Agriculture, Washington; Chet Spaulding, '14, salesmanager, Southern Oregon Sales, New York City; Larry Archer, '18, district manager, American Fruit Growers, Chicago; Charles Tubegren, '14, district manager, C. H. Robinson Co., Milwaukee; Malcolm Brown, '17, district manager, American Fruit Growers, Martinsburg, W. Va.; H. "Pat" Henry, '15, H. P. Henry Co., Detroit; and a number of Grand Rapids alumni.

### SPARTAN SPECIAL ATTRACTS MANY

(Continued from page 5)

Dean J. F. Cox; Wallace Beden, '16; John T. Ott, '27; R. A. Turner, '05; Cora L. Feldkamp, '05; Ethel Curtis Thoenen, '07; Alice L. Lason, '09; H. B. Larson; Lou Burgess and wife; Minnie Smith; Frank VanDervoort and wife; Don Stirm, '26; Mrs. Don Stirm; H. V. Abel, '17; Mrs. H. V. Abel, '19; Dick Richardson, '15; Dorothy Voss Richardson, '17; Matt Nuttall, '25; Jerry DePrato, '15; J. B. Rashbach, '17; Capt. Don Stroh, '15; Charles Woodbury, '04; Mrs. Charles Woodbury; L. L. Primodig, '17; "Dutch" Oscar Miller, w'15, and former coach, John Farwell Macklin.

Your check for the Annual Alumni Fund—send it today.

## Delegation Praised

"MICHIGAN STATE won a great victory in its trip down to Washington to meet the football team representing Georgetown university. Oh, to be sure, the score for the victory did not appear in the papers. It was a victory not susceptible of statement in either the Arabic or Roman system of notation. It was worthwhile, nevertheless.

"The manager of the Roosevelt hotel in Washington where the State football team, the band, and the followers of the expedition stayed, made the remark that it was the most orderly and respectful crowd of the kind he had ever entertained. He confessed that he had dreaded the visitation, but had lived to experience a complete reversal of judgment.

"Now this does not mean that the crowd of youths who went on the expedition are any less susceptible to the influence of a good time and stimulating experience than any other similar band of youths. The changes are that everyone concerned came in for more real enjoyment than as though they had lost their heads and wrecked the place.

"It will be a sorry day when youth does not effervesce when it gets together and goes on expeditions of the kind. The more intelligent enthusiasm the better. The world cannot have too much of high youthful enjoyment. But high enjoyment and maudlin abdication of reason are altogether different. Pretty much everybody comes to find out in time, but the realization of the differences comes, all too frequently, too late.

"So appreciative of the conduct of the visitors was the management of the hotel that the woman in charge of the social affairs of the hotel arranged that the young visitors should meet a large number of the young women of Washington in the hotel ballroom. Something like a hundred young women responded to the invitation. If this was not better than throwing ink bottles, breaking furniture, cutting carpets, letting freshmen out of windows with ropes of knotted sheets and bumping waiters carrying laden trays the public is left to judge.

"Men at political conventions, business round-ups, and at lodge and various other conclaves would do well to take notice. The highest human enjoyment must stop somewhere inside the limits of abject foolishness. It not why take pains to educate?

"The praise of a hotel keeper is rather to be chosen that a great bill for damages which is hard to laugh off in the gray, cold dawn of the morning after."—*Editorial, Lansing State Journal.*

Are you a delinquent subscriber?



## Another Dry Summer

FIFTY-EIGHT years ago in the summer and fall of 1871, a drought visited Michigan that almost equaled the one through which we have just passed. It was the year of the famous Chicago conflagration, and fire hazards all over Michigan were great. People were losing homes, stock, implements on every side. From August 5 to November 14 a period of 100 days, records show that only 2.98 inches of rain fell on the Campus. Although the 1930 rainfall was only 2.44 inches in 106 days, the fire danger was much greater in '71 because the drought came over a month later when things were as "dry as tinder" and even a gun shot was enough to start a fire. The fear in that direction was so great that people were of the opinion that squirrel hunters and other sportsmen ought to be arrested for endangering the public safety.

### Fire Surrounded Campus

While Chicago was being consumed and there was a "hot time in the old town tonight," this college was completely surrounded by fire. Classes were suspended and students and teachers went out together to save the "little college in the woods" from utter destruction. For days the air was stifling with smoke and at night the lurid glow could be seen on every side.

A rigid military discipline was set up into which the students fell willingly. Although dangerous, this fire fighting business was a unique and interesting departure from the regular routine of classes and was welcomed by all the students. (You see, they really weren't so very different from the students of today).

Some had fought fire before and those that hadn't quickly learned. The officials established sentinel stations at advantageous points surrounding the buildings and college woods and each took his turn at a "24-hour service" of guarding and fighting.

### Faculty Wives Helped

The good faculty wives also did their bit by establishing a food kitchen and keeping a steady stream of substantial encouragement in the form of hot coffee and fried cakes traveling out to the watchers. People with lined brows and shaking heads collected in small groups here and there on the Campus discussing and predicting.

A week passed and the smoke cleared away. The late fall rains set in and then only were the college folk able to relax and know that the fire destruction was over for one year at least.

It is interesting to note that the year '71 was also famous for things other than fire. Grand old Dr. Beal was made professor of botany at that time and the first scientific building on the Campus, the Chemistry laboratory, was erected at an expense complete of \$12,000.

## Syracuse Picks Baker

WIDE-SPREAD commendation followed the decision of the trustees of the New York College of Forestry in securing the return of Dr. Hugh P. Baker, a graduate of Michigan State in 1901, to take up the deanship of the College of Forestry, a post he successfully held from 1912 to 1920.

In assuming his new duties August 1, Dr. Baker undertook the direction of an expansion program which will make the Syracuse department one of the most extensive forestry colleges in the country.

After receiving his degree of Bachelor of Science at Michigan State he received the degree of Master of Forestry from Yale in 1904 and Doctor of Economics from the University of Munich in 1910.



—Courtesy Syracuse Alumni News

### DR. HUGH P. BAKER

*During the years since he left Syracuse Dr. Baker has achieved an international reputation as a scientist and forester, and a first hand contact with the industrial phases of the forestry problem.*

For several years he was associated with the United States Forest Service, examining public lands for forest reserves in six western states. He organized the department of forestry and was head of the department for three years at Iowa State college. He then organized a new department of forestry at Penn State college and presided over it for five years, when he was made dean and professor of silviculture at the New York State College of forestry at Syracuse university.

In 1920 he took up the position of executive secretary of the American Paper and Pulp association, which gave him an opportunity to work on the practical phases of forestry.

After eight years in this position he was made manager of the Department of Trade Association service in the

Chamber of Commerce of the United States, and his work in the promotion of the Trade Association has been very highly commended by the officers of that organization.

Dr. Baker is a fellow of the American Association for the Advancement of Science and of the Royal Geographical Society of London. He is also associated with numerous other organizations and has already made a lasting contribution to forestry education.

## MARRIAGES

### LUTHER-HALE

Stanley W. Luther, '28, and Dorothy Hale were married September 6 in Dearborn, Michigan. They will make their home in Detroit where Luther is employed by the Detroit Edison company.

### MITCHELL-EMMONS

John F. Mitchell, '25, and Mary Jeanette Emmons were married in Lansing on August 25. They are at home in Ithaca where Mitchell is an instructor in the public schools.

### RAUHUT-HAMMOND

Vernon Rauhut, '28, and Vernetta Hammond were married in Detroit August 30. They are making their home in Detroit.

### BARRON-CUNNINGHAM

Allen W. Barron, '16, and Helen Cunningham were married September 20 at the Presbyterian church at Northville, Michigan. They are living at 131 Florence avenue, Detroit.

### GRUETTNER-AHLSWEDE

Edwin R. Gruettner, '29, and Betty Mariette Ahlswede were married October 17, 1930. Gruettner is associated with the county park commission of Milwaukee, Wisconsin.

### ROSS-ROBINSON

F. Ward Ross and Dorothy Robinson, both '28, were married September 27, 1930, in Manistee, Michigan. They are living in Fort Wayne, Indiana, at 1113 Margaret street.

### BROWN-ARMITAGE

Harry L. Brown, '07, and Ann Armitage were married October 4, 1930. They are at home in Detroit, Michigan, at 13953 Freeland avenue.

### CROOPE-DARLING

Donald H. Croope, '29, and Vivian Darling were married in Lansing, October 30. They will make their home at 108 Carpenter street, Midland, Michigan.

### SMITH-MCDONALD

Grant R. Smith, '27, and Helen McDonald were married November 5, 1930, in Detroit. They will make their home in Muskegon, Michigan.

# ALUMNI AFFAIRS

1870

Chas. Garfield, Secretary

206 Burton St., S. E., Grand Rapids, Mich.  
Charles W. Garfield has obtained a complete set of the Michigan Manual, the red book of the state, to present to the Alger school, Grand Rapids.

1874

Henry A. Haigh, Secretary

637 Penobscot Bldg., Detroit, Mich.

As result of the recent bank merger in Detroit, Henry A. Haigh was given two quite important positions in the local banking world, namely: chairman of the board of directors and chairman of the executive committee of the Peoples Bank of Highland Park, director and member of the executive committee of the Peoples Wayne County Bank of Detroit. The last named bank is one of the leading banks of the country, having a banking capital of over \$53,000,000 and assets of over \$414,000,000. It is the leading constituent of the Detroit Bankers company which has assets of over seven hundred millions and is the eighth largest banking group in America.

1875

William L. Carpenter, Secretary

637 Seward Ave., Detroit, Mich.

Friends of Judge Wm. L. Carpenter, who has been in impaired health for some time, will be glad to know that he is much improved, looks well and, as of old, goes daily to his office in the First National Bank building, Detroit.

1882

Alice W. Coulter, Secretary

457 Union Ave. S. E., Grand Rapids, Mich.

The October issue of Better Homes and Gardens contains an article about Liberty Hyde Bailey entitled: "He is your garden's best friend," written by H. Roy Mosnat.

1884

Homer D. Luce, Secretary

711 S. Capitol Ave., Lansing, Mich.

Llewellyn Bonham lives in Oxford, Ohio, where he is a mechanical engineer.

1885

James D. Towar, Secretary

1212 W. Kalamazoo St., Lansing, Mich.

Harris E. Thomas, defeated candidate for state senator from the Ingham and Livingston county district, declares he is just as well satisfied that he is not being sent to the state senate. "Legislators in Michigan are in for a lot of grief at the coming session," observed Mr. Thomas. "Means of raising revenue will be one of the chief problems in the next session. This will result in a scrappy session in which the senate and the house will find themselves in the proverbial peck of trouble with the folks back home. The more I think of it the more I am convinced that Tuesday was my lucky day."

1901

Mark L. Ireland, Secretary

Quarters 331, Schofield Barracks, Hawaii

Alice Gunn VanTassell is in the real estate and insurance business at 625 Grand avenue, Dayton, Ohio.

1902

Norman B. Horton, Secretary

Fruit Ridge, Mich.

Albert H. Case is vice president and general manager of the U. S. Phosphoric Products corporation. He may be addressed at P. O. Box 315, Short Hills, New Jersey.

Edmund R. Bennett is with the University of Idaho as field horticulturist. He lives in Boise at 119 Main street.

Irving Gingrich is teaching ear training, counterpoint, canon and fugue at DePaul University School of Music. He lives at 646 Belden avenue, Chicago.

Arthur D. Peters has a son at State this year. Peters was back on the Campus for Homecoming and attended the Varsity club alumni dinner.

1903

Edna V. Smith, Secretary

East Lansing, Mich.

Frank C. Rork gives his address as 6531 S. Hobart boulevard, Los Angeles, California.

Charles B. Rose, president of the American LaFrance and Foamite corporation, has his office in the Fisk building, Broadway at Fifty-seventh street, New York city. He writes that the class notes in the October issue brought many items of interest to him and asks that more of the old bunch send occasional bits of news about themselves. Rose made a hurried visit to the Campus last summer while on a business trip to Alma, Michigan, where his concern has a factory. He reports that he has a boy of twenty years who is a sophomore engineering student at Rensselaer Polytechnic Institute; two girls, one a junior at Emma Willard School and another who graduated from there last year, and a boy of twelve who is attending Horace Mann school in New York.

Edna V. Smith was formally made state leader of home demonstration work at the October meeting of the State Board. She had been acting head since Mrs. Campbell's death.

## Alumni Luncheons

DETROIT—Every Tuesday noon,  
12:15, main dining room, Masonic Temple.

LANSING—Every Monday noon,  
12:00, Estill's cafeteria, Elks Temple.

GRAND RAPIDS—Every Monday  
noon, 12:15, cafeteria, Elks Temple.

1904

L. T. Clark, Secretary

296 E. Grand Blvd., Detroit, Mich.

Herman Schreiber is a chemist in Lansing where he lives at 917 Oakland avenue.

Harry G. Walker has moved in Jackson, Michigan, to 601 Water street.

J. H. Prost gives his new address as 4510 N. Ashland avenue, Chicago Illinois.

Edward Balbach is a mechanical engineer with the James Leffel and company, Springfield, Ohio. He lives at 15 Englewood road.

1905

V. R. Gardner, Secretary

East Lansing, Mich.

Elva R. Davis is teaching in Detroit and living at 8448 Yale street, Ferndale, Michigan.

Philip H. Wessels is a research professor at Cornell university and gives his address at Riverhead, Long Island, New York.

Oliver W. Burke is president of the H. G. Christman-Burke company, 1010 Fisher building, Detroit, Michigan. He lives in Detroit at 1525 Edison avenue.

Claude I. Auten is vice-president and manager of the steel building department of the Truscon Steel company, Youngstown, Ohio. He may be reached at Box 15, North Lima, Ohio.

Joel G. Palmer is a land bank appraiser, representing the Union Joint Stock Land bank of Detroit. While he covers the state of Michigan for the bank, he lives at 223 E. Washington street, Ionia.

Charles E. Swales was recently elected potentate of the Moslem temple in Detroit. He lives at 233 Puritan avenue, Highland Park, Michigan.

1906

L. O. Gordon, Secretary

R. 3, Muskegon, Mich.

A. C. Anderson writes: "Until further notice please send the Record to Hotel Clifford, Detroit, Michigan, where we will be at home to our M. S. C. friends for the winter."

1907

George Brown, Secretary

East Lansing, Mich.

Gordon C. Dudley is a civil engineer with headquarters in the City Hall at Portland, Oregon. He lives at 636 E. 46th street N., Portland.

Dayton R. Goldsmith is supervisor of manual arts at the Washington high school, Sioux Falls, South Dakota. He lives at 1318 E. Sixth street.

Philip V. Goldsmith is an agricultural chemist for the Cuban-American Sugar company at Habana, Cuba. His resident address is Calle 19, No. 400 Altos, Vedado, Habana.

Ralph S. Hudson is farm superintendent and associate professor of ani-



mal husbandry at the College, and lives in East Lansing.

S. W. Doty may be reached at 7431 Kingston ave., Chicago, Illinois.

Scott B. Lilly is professor of civil engineering at Swarthmore college, Swarthmore, Pennsylvania. He lives in Swarthmore at 133 Ogden avenue.

J. L. Myers is manager of the San Juan Heights company which is largely subdividing and selling residential lots just outside the city of Manila. He is also owner and manager of the Myers-Buck company, engaged in making subdivisions. In February 1927, he married Lucy Parten of Madisonville, Texas. He reports that there are many M. S. C. people in Manila and all are doing very well.

Edwin A. Willson is a specialist in rural social organization at the State College station in Fargo, North Dakota. He lives in Fargo at 1026 13th street North.

#### 1908

Harry H. Musselman, Secretary  
East Lansing, Mich.

Frank G. and Leona Lee ('11) Born are living at 510 Forest avenue, Dayton, Ohio.

In Pasadena's annual "brightest boy" contest, Nelson P. Nies, son of E. E. and Grace Perry Nies ('09), was one of the students selected to receive a California Institute of Technology scholarship. The seven scholarship winners were selected on the basis of written and oral tests and general all-around physical and mental ability.

Samuel W. Horton is general manager of the Spalding company, 308 Hollingsworth building, Los Angeles, California. Horton lives at 1290 New York avenue, Altadena.

William M. Rider is professor of dairy husbandry at Syracuse university. He lives in Syracuse, N. Y., at 706 Maryland avenue.

Ray Small is a mechanical engineer developing railroad equipment for the O. F. Jordan company, East Chicago, Indiana. He lives at 423 N. Pinckney street, Madison, Wisconsin.

Mrs. Floyd Gregory (Florence Barlow) gives her address as 215 S. 11th street, Coeur d'Alene, Idaho.

Irving Koehler is head of the drafting department at the Cass Technical high school, Detroit. He lives at 4013 Gladstone avenue.

Elmer J. Rork is plant manager of the Prest-o-Lite company, Inc., of Speedway, Indiana. He lives at 4555 College avenue, Indianapolis.

Francis Kiefer is president of the Canada Forwarding company, Ltd., 801 Redford building, Toronto, Ontario.

This is a forestry, logging, and shipping concern. Kiefer lives in Toronto at 14 Prince Arthur avenue.

#### 1910

Mrs. Minnie Johnson Starr, Secretary  
627 Madison Ave., Grand Rapids, Mich.

Mrs. Arthur W. Pribnow (Mildred G. Ferguson) has moved in San Diego, California, to 3328 Curtis street. She reports that she is "mothering James, aged 13 months, and his daddy."

Mrs. Roberts S. Foulds (Georgiana R. Lambert) has moved in Phoenixville, Pennsylvania, to 225 Virginia avenue.

Oliver C. Lawrence is located at Wayland, Michigan, as a field representative for the Pet Milk company.

Lynn D. Mead is with the Studebaker corporation of South Bend, Indiana, and lives at 3255 Cortland avenue, Detroit, Michigan.

James E. Wilcox is in Moscow, Russia, on construction work for the Albert Kahn company of Detroit.

Mary Blanche Bair Lyon (Mrs. R. R.) gives her Detroit address as 2639 S. Liddesdale avenue.

R. Z. Hopkins is assistant factory manager of the Hudson Motor Car company, Detroit. He lives in Detroit at 2576 Hurlbut avenue.

C. E. Smith is superintendent of forestry and landscape in the Detroit department of parks and boulevards. He lives in Detroit at 9400 Outer drive.

#### 1911

James G. Hayes, Secretary  
213 Bailey St., East Lansing, Mich.

Robert P. Holdsworth is professor of forestry at the Massachusetts Agricultural college, Amherst. He lives at 32 Amity street, Amherst.

George Harris Collingwood is with the American Forestry association in Washington, D. C. He resides at 1234 Crittenden street N. W.

Eduard C. Lindeman is professor of social philosophy at the New York School of Social Work, 105 E. 22nd street, New York City. He lives in High Bridge, New Jersey.

G. H. Osborne is general manager of the Ventilating and Blow Pipe company, Ltd., 740 Inspector street, Montreal, Canada. He lives at 836 Pratt avenue, Outremont, Montreal.

Clarence S. Roe is president of the Ideal Power Lawn Mower company, Lansing, and lives at 404 W. St. Joseph street.

Frederick G. Wilson is chief forest fire warden for the Wisconsin Conservation commission, Madison. He lives at 1205 Chandler street.

Charles N. Frey is director of the Fleischmann laboratory at 158th and Mott, New York City. He lives in New York at 103 W. 183rd street.

Guy H. Smith is dealing in wholesale dressed poultry at 2827 Humboldt avenue, Detroit. He lives in Detroit at 12684 Birwood avenue.

William R. Olmstead is general superintendent of Nelson Brothers com-

pany, Saginaw, and lives at 1023 Emerson street.

E. P. Wandell is president and treasurer of the Hinckley Myers company, Jackson, Michigan, manufacturers of automotive tools and equipment. He lives in Jackson at 326 Edward avenue.

George Warmington is teaching science in the Beverly Trade school at the Beverly high school, Beverly Massachusetts. His local address is 59 Butman street.

Georgé F. Conway is vice-president, treasurer, and general manager of the Lansing Stamping company. He lives in Lansing at 712 W. Ionia street.

Edward G. Schubach is chief tool designer for the Plymouth Motor car company, Detroit. He lives at 2490 Glendale.

H. Basil Wales is assistant regional forester with headquarters in the Customs building, Milwaukee. He lives in Milwaukee at 1500 Kensington boulevard.

George E. Watts is in the insurance business in Riverside, California, where he lives at 6394 Palm.

#### 1912

C. V. Ballard, Secretary  
East Lansing, Mich.

Horace V. Geib is on erosion survey for the Texas Agricultural college, College Station, Texas.

Ray B. Delvin is an electrical engineer with the Fraser-Brace Engineering company, Ltd., 107 Craig street West, Montreal, Quebec. He lives at 4561 Marcell avenue.

Earl W. DeGraff is a lawyer with offices in the Federal building Cleveland. He lives at 1325 W. 105th street.

Durward F. and Alida Dearborn Fisher are living at 229 Holly avenue, Takoma Park, D. C. Fisher is principal horticulturist in charge of fruit and vegetable handling, transportation and storage investigations for the U. S. Department of Agriculture.

Clinton H. Chilson is in the ice cream and milk plant business in Royal Oak, where he lives at 520 Knowles.

Charles G. Burns is assistant principal of the Miller Intermediate school at Detroit. He lives at 3040 Northwestern avenue.

Walter S. Pedersen is chief draftsman for the DeCroupet Iron works, Detroit. He lives at 63 W. Robinwood avenue.

George C. Sheffield is a radio broadcaster with headquarters at 906 Lewis building, Portland, Oregon. He lives at 163 N. 19th, Apartment 306.

Ashley M. Berridge is superintendent of the M. S. C. potato experiment station at Lake City, Michigan.

Leo R. Himmelberger is a bacteriologist at the Hurley hospital, Flint, Michigan, where he and Cora Oberdorfer Himmelberger live at 317 Welch boulevard.

Margaret Logan Windoes gives her new address in Grand Rapids as 1416 Bates S. E.

Phone 3235

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## 1913

Robert E. Loree, Secretary  
East Lansing, Mich.

Gerald Cook is with the Superior Furniture company, of Lowell, Michigan, where he lives at 605 E. Main street.

Joseph A. MacDonald is with the state highway department at Lansing and lives at 337 Abbot road, East Lansing.

William A. McDonald lives in Flint at 1036 Woodside drive. He is manager of the Independent Dairy company of that city.

Clinton B. Olney gives his address as 804 E. 82nd street, Chicago, Illinois. He is a physician and surgeon.

Arthur J. Runner gives his new address as 815 N. Hampton, Bay City, Michigan. He is teaching in the Central high school.

Merle A. Russell is teaching in the Highland Park high school, and lives at 403 California avenue, Royal Oak, Michigan.

Arthur E. Warner is with the Provident Mutual Life Insurance company, 3012 Book Tower, Detroit. He lives in Detroit at 14608 Strathmoor avenue.

H. J. Wheeler is teaching in the Central high school in Flint and living at 612 East Third street.

Elmer C. Geyer is secretary of the Saginaw Manufacturing company, 122 King street, Saginaw, Michigan. His residence is at 2227 N. Bond street.

Dan W. Mather is living in St. Joseph, Michigan, at 1320 Niles street. He is with the Travelers Insurance company.

Irvin T. Pickford is editor of the Michigan Milk Messenger with headquarters at 609 Owen building, Detroit. He lives in Detroit at 17634 Cooley.

## 1914

Henry L. Publow, Secretary  
East Lansing, Mich.

Ernest Hill Burt is a major in the Judge Advocate General's department of the U. S. Army, and is stationed at the Command and General Staff school at Fort Leavenworth, Kansas.

Lessiter C. Milburn is vice-president and chief engineer for the Glenn L. Martin company, Baltimore. He lives at 305 W. Chesapeake avenue, Towson, Maryland.

I. J. Fairchild is chief of the division of trade standards of the Bureau of Standards, Washington, D. C. His local address in Washington is 3707 34th street N. W.

U. C. Zeluff lives in Tampa, Florida, at 1403 S. Moody. He reports: "Have a new son, James Daniel, five months old. Good material for M. S. C. about 1950."

Louis J. Touscany is manager of the order department of the Detroit Steel Products company, Detroit, Mich. He lives in Pleasant Ridge at 35 Wellesley drive.

Mrs. E. W. Treen (Zora Lemmon) gives her address as 921 Washington, Evanston, Illinois.

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## 1918

**Willard Coulter, Secretary**  
1265 Randolph S. E., Grand Rapids, Mich.

Robert I. Thompson is a blister rust control agent for the Michigan department of Agriculture. He lives in Grand Rapids at 1231 Cass avenue S. E.

John W. Sims is in the fertilizer division of the Tennessee Copper and Chemical corporation, Elsbey building, New Albany, Indiana, where he lives at 1740 DePaw avenue.

Marion Smith Predmore (Mrs. C. G.) lives in Detroit, Michigan, at 19922 Stratford.

Henry Dorr Jr. is a graduate assistant in forestry at the University of Michigan, working for a master's degree in forestry. He lives in Ann Arbor at 410 E. Liberty street.

Calvin J. Overmyer is a chemist for the Peaslee Gaulbert Paint and Varnish company, Louisville Kentucky, where he lives at 1862 Overlook Terrace.

Alice J. McCartney is teaching home economics in Sullins college, Bristol, Virginia.

Paul C. Jamieson owns a hatchery at Englewood, Colorado.

## 1925

**Frances Ayres, Secretary**  
East Lansing, Mich.

Elmer and Merle Freeman ('24) Miner have moved to Sycamore, Illinois.

D. L. Bailey is extension and rural school director at the Western Illinois State Teachers college, Macomb, Illinois.

K. E. DeGraw is an engineer at the Bell Telephone Laboratories, 463 West street, New York City, room 58. DeGraw was granted his M. S. in physics from Michigan in June 1930.

Arthur W. and Winifred Landon ('26) Gardner have moved in Lansing to 1526 Illinois avenue. They announce the birth of a daughter, Bonnie Jean, on September 1.

## 1926

**Ray Riggs, Secretary**  
Union Bldg., East Lansing, Mich.

Carl Bittner is extension specialist in pomology at Pennsylvania State college, State College, Pennsylvania.

A. H. Teske is extension horticulturist at the Virginia Polytechnic Institute, Blacksburg. He had a major part in the September 24 radio program of the

U. S. Department of Agriculture which was broadcast over the N. B. C. hookup. Prof. Teske and the extension plant pathologist in Virginia make frequent broadcasts over Virginia stations in which Mr. Teske takes the part of "Mr. Profess Hort" and the pathologist is known as "Joe Apple", an Italian apple grower who comes to Teske for advice. That they are good is evidenced by the fact that the N. B. C. had them present a fifteen minute dialogue.

Leonard Braamse, formerly county club agent in Saginaw county, took up the duties of county agricultural agent October 15, succeeding A. B. Love, '17.

## 1927

**Eleanor Rainey Mallender, Secretary**  
405 Oakdale, Royal Oak, Mich.

A letter from Loyde M. Billman states that his job has consisted for the the most part in making contacts with fruit growers, nurserymen, canning factory operators, cold storage managers, and bankers. Soon after graduation he became connected with the the United States Department of Agriculture, Bureau of Economics. He has written most of the recent federal grade standards for canned fruits and vegetables. His present location is 435 Keeline building, Omaha, Nebraska.

Mr. and Mrs. Herrick Waterman, Ann Arbor, Michigan, announce the birth of Nora Lou on July 25.

## 1930

**Effie Ericson, Secretary**  
223 Linden Ave., East Lansing, Mich.

R. A. Simonson gives his new address as 308 East Lake street, Lake Mills, Wisconsin.

Everett A. Pesonen may be reached at 1987 Tuxedo, Detroit, Michigan.

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