

# THE M·A·C· RECORD

VOL. XX

TUESDAY, OCTOBER 6, 1914.

NO. 2



THE BOTANICAL GARDEN

Published by  
The MICHIGAN AGRICULTURAL COLLEGE ASSOCIATION  
East Lansing, Michigan

# DIRECTORY Alumni Business and Professional Directory

## Lansing Business and Professional Men

THE names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope the faculty and students will patronize those who patronize us.

### A. M. EMERY

116 Washington Ave. N.

Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames, Fine Framing a Specialty. Calling Cards printed promptly, \$1.00 per 100.

### CROTTY BROS.

206 No. Washington Ave.

Stationery, Books, Bibles, Fountain Pens, Diaries for 1915, I. P. Note Books.

### BLUDEAU & SIEBERT

Bookbinders, Account Book Makers, Paper Ruling, Library and Fine Art Bindings, File Boxes, Map Mountings, Albums, Pocket Books, Etc. Citizens' phone No. 489. In City National Bank Building, Geo. G. Bludeau and Henry H. Siebert.

### LOUIS BECK COMPANY

112 No. Washington Ave.

Correct Clothes, Up-to-date Hats and Caps, Classy Furnishings.

### H. H. LARNED

CHINA, GLASS AND LAMPS

105 Washington Ave. S.

### J. E. STOFFER, D. D. S.

Office 263-5 City National Bank Bldg.

Automatic Phone 2301

Bell Phone 61

### NORTON'S HARDWARE

General Hardware, Tinware, Graniteware, Cutlery, Stoves, Etc.

111 Washington Ave. S.

See Ad.

### MRS. O. T. CASE

Manufacturing all styles of Hair Goods to order, and Hair Goods Shop. Old switches enlarged, colored and renovated to look as good as new. The Franco-American Hygienic Toilet Requisites a specialty. Automatic phone, No. 3151. 214½ Washington Ave S.

### DR. OSCAR H. BRUEGEL

Cor. Michigan Ave. and Grand River Ave., East Lansing. Hours: 7 to 8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sundays, 12 to 1 and 5 to 6 p. m. Citizens' phone 1341; Bell 625.

### DR. H. W. LANDON

East Lansing, Mich.

Office hours: 7 to 8:30 a. m., 1 to 3 and 7 to 8 p. m. Sundays, 12 to 1 p. m. Citizens' phone 9228.

### DR. J. S. OWEN

EYE, EAR, NOSE AND THROAT

115 W. Allegan St., Lansing.

Citizens' phone 473.

### ALLEN & DE KLEINE PRINTING CO.

128-130 Ionia St. west

Printing, Typewriters, Adding Machines, Office Supplies, Programs, Engraved Cards, Filing Cabinets, Sectional Book Cases.

Bell 1091 Automatic 3130.

Special care given to M. A. C. and its students.

### A. E. OWEN, M. D.

128 W. Allegan St., Lansing, Mich.

EYE, EAR, NOSE AND THROAT.

### DR. C. A. GRIFFIN, Osteopath

124 Tussing Bldg., Lansing

328 Grove St., East Lansing

Automatic phone.

Student rates.

### CAPITOL ELECTRIC SUPPLY CO.

ELECTRIC SUPPLIES OF ALL KINDS

Latest Improvements in Reading Lamps, Tungsten Lamps, Shades, etc. Motors and Generators.

117 Michigan Ave. E.

### PAGELSON & SPENCER

PATENTS, PATENT LAW, TRADEMARKS

1107-10 Chamber of Commerce Bldg., Detroit, Michigan

E. N. Pagelson, '89

L. M. Spencer, '06

Formerly Examiners U. S. Patent Office.

### DR. E. A. SEELYE, Osteopathic Physician

300 Prudden Bldg., Lansing. Hours: 9 to 11:30 and 1:30 to 5.

Special attention given to rectal diseases.

### KUMBOSS!

### KUMBOSS!

### KUMBOSS!

Holsteins, of course.

KUMBOSS HOLSTEIN FARM, Howell, Michigan

J. G. HAYS, '11, Proprietor.

Every time you call your cows you advertise my farm!

### GOODSELL, ZELIN C. (Forestry, M. A. C. '11)

INSURANCE AND BONDS OF EVERY KIND

If you haven't insured your salary, better see or write Goodsell about a good proposition.

LANSING INSURANCE AGENCY, Inc., 110 W. Michigan Ave., Lansing, Mich.

## PAINT MADE BY AN M. A. C. MAN.

Sold only direct to you from his factory at wholesale price. Made up **fresh** as you order, and is the very best quality that can be made. Address

THE WEST CHEMICAL & PAINT CO., Mfgs.,

SPRINGPORT, MICHIGAN

West pays the freight.

Invitations Programs  
Cards Announcements  
Personal Stationery  
Engraved or  
Printed

Always a selection of the latest styles and the newest features conforming to correct social usage

Orders sent in by mail receive our most careful attention

Robert Smith Printing Co.  
Lansing, Michigan

# THE M·A·C· RECORD

VOL. XX.

EAST LANSING, MICHIGAN, TUESDAY, OCTOBER 6, 1914.

NO. 2

## NEW EXTENSION DEPARTMENT.

The Extension Department of this institution, which is under the direction of Robert J. Baldwin, '04, has added a new phase of activities to its already large list. The Home Economics Department now has an extension worker in the person of Miss Paulina Raven, B. S., '05, and M. H. E., '13.

For the first two years after graduation, Miss Raven taught domestic science and art at St. Elizabeth's Indian Mission, Wapakala, S. Dak. Then for three and one-half years she was head of the domestic science and art department of the Northern Normal and Industrial School of Aberdeen, S. Dak. Over two years of this time she was dean of women, also. From there she went, as head of the same department, to the State Normal School, Warrensburg, Mo., where she taught for five years. During the summer of '09, and the second semester of '11, Miss Raven studied in Columbia University, and planned to spend this last year there, but ill health compelled her to stay at home in East Lansing. She did some extension work last winter in the week short courses in this state, and taught domestic art at the University of Montana in the past summer school.

Miss Raven has been on the job a month now, preparing for these former short courses. She read a paper before the Michigan Bean Jobbers' Association meeting at Saginaw, Sept. 24, on the food value of beans, and the paper was so well received that a copy of it was requested for their permanent report. On Oct. 8 she speaks at the Culture Club of Clinton, Mich., and on the 10th at the Columbia Farmers' Club at Brooklyn.

## BOYS' AND GIRLS' CLUB WORK HAS NEW HEAD.

E. C. Lindemann, '11, has been appointed to take charge of the boys' and girls' club work in this state, under the U. S. Department of Agriculture, co-operating with the Michigan Agricultural College. "Lindy" is planning to do some special work in rural sociology and feels that one of the best ways that he can come in contact with rural conditions is through this work. He has had some valuable experience since he left college that will help him greatly in this new position.

## PROF. ANDERSON IN EUROPE.

The summer months were very pleasantly spent by Prof. Anderson and family in the British Isles and continental Europe, where Prof. Anderson made a careful study of the production and manufacturing of dairy products, and also the European methods of feeding and management.

Ten days were spent on the island home of the Jersey, and ten more on Guernsey Island. At the latter place a one-day fair was held where many hundreds of cattle were shown, all of the one breed, of course, since there are no other cattle admitted on the island except for immediate slaughter.

Many schools, colleges and experiment stations were visited, among which the most notable were colleges at Ruttli, Zurich and Freiburg, in Switzerland; a school at Wageningen, Netherlands, and also the experiment stations at Lenwarden and Groningen; the University College at Reading, England; the Rothamstead experiment station, at Harpenden; Cambridge University, and the dairy school at Kilmarnock, Scotland. At these schools Mr. Anderson said the course of study is very similar to ours, except that more time is put in and the students are more patient. The quality of milk throughout the whole trip was said to be inferior to ours. No pretense is made to cool it, as they depend upon the natural coolness of the weather.

One very interesting sight in Scotland was a herd of the Wild White Cattle; from which the present domesticated cattle of England probably came. It is very noticeable, says Mr. Anderson, that the milk supply of London comes entirely from shorthorn cattle. In Switzerland they have triple purpose cattle, where they must serve as milk producers, beef producers, and also as beasts of burden.

During the absence of Prof. Anderson, the work of the Dairy Department was very ably supervised by H. E. Dennison, '11.

## SOPHOMORES TAKE RUSH.

With the count of three to one, the sophomores captured the annual "fresh-soph" rush last Saturday. The second year men won the canvass pull, tug-of-war, and flag rush, while the freshmen took the football rush. The sophs captured the flag in record time by throwing several men right on the heads of the freshmen.

# THE M. A. C. RECORD

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR  
BY THE MICHIGAN AGRICULTURAL COLLEGE  
ASSOCIATION.

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

SUBSCRIPTION PRICE, \$1.00 PER YEAR.

Entered as second-class mail matter at the Post Office in Lansing, Mich.

Address all subscriptions and advertising matter to the M. A. C. RECORD, East Lansing, Mich. Address all contributions to the Managing Editor, East Lansing, Mich.

Subscriptions may be paid for by P. O. Money Order, Draft, or Registered Letter. Stamps will not be accepted.

Business Office with Lawrence & Van Buren Printing Co., 210-212 Grand Ave. No., Lansing, Mich.

TUESDAY, OCTOBER 6, 1914.

## THE SUMMER SCHOOL.

In spite of the fact that the next Summer School is yet some nine months away, we deem it very important that your attention should be called to it at this time. Alumni readers can do a great deal toward making this next Summer School what it ought to be, in the way of attendance, by dropping a hint here and there to teacher friends and others that a Summer School is going to be carried on at this institution next year. With the present call for teachers that must have information in regard to agriculture in this day, it will hardly be necessary for you to tell them what is to be given in this school.

We are not in any way trying to compete with normal schools in this work, but rather tardily taking up work that from the very nature of it belongs in this institution. We have the facilities here for practical observation of agricultural practices that are unexcelled, and a teaching force that makes such teaching a life work.

After a very depressing influence last spring, it was thought that it would be necessary to abandon the idea of a Summer School, but plans were carried out, and the enrollment of 122 is a small indication of the interest shown and the probable attendance next year.

In the plans for next year there will be several new features added, besides a continuation of the work already started. For instance, it will be possible for students of last year to take advanced work in the same subjects. There will also be additional facilities for graduate work. Courses will be adapted to the needs of teachers, both in city and rural schools. Summer conferences of ministers, Y. M. C. A. workers, and all others who are interested in the betterment of rural social conditions, as well as economic conditions, will be held.

There will be an attempt made to have special lecturers on rural recreations and rural health. In short, we plan to make this institution, and the re-

sources that it commands, of immediate and lasting benefit to the vast number of the people of the state who have most influence in shaping the moral and economic standards of this and the coming generation. Again we ask you to exert your influence in behalf of this Summer School.

\* \* \*

## HOME ECONOMICS EXTENSION WORK.

We are very glad to be able to say at this time that M. A. C. can take care of the large number of calls that come, in connection with these farmers' winter short courses, for some one to lecture on home economics and allied subjects. This has been a pressing need almost ever since these short courses were started. With the training and experience possessed by the person now in charge of this work, we can hope for an added interest in this department of our college among rural people.

\* \* \*

## 1914 FORESTERS PLEASED WITH WORK.

R. P. Norman, '14, writes in to Prof. Sanford from Bonami, La., where he is working in one of the fifteen Long Bell Mills, that he is very much taken up with his job. Norman started in at the bottom, the first three weeks being spent in driving stakes for the engineering party. Now his salary has been doubled, and he has charge of the wood cutters for the engine fuel, with ten men under him. He is also in charge of the logging track, and is now after the woods foreman job. Norman passed the C. S. examination, but says, "I wouldn't trade my chance here for any Uncle Sam job right now."

R. J. McCarthy is with the Wykoff Preservation Co., of Portsmouth, Va. In a letter to the Forestry Department he writes: "I wish to thank you for the opportunity with which you presented me of taking up my present work. It is intensely interesting." McCarthy is working up a special preservative for *P. palustris* and *P. echinata*.

## LARGE STUDENT ENROLLMENT.

"We have more students enrolled this year than ever before at this time," says President Snyder. This is the first year that preps. have not been admitted, so that there is not good ground for direct comparison of total enrollment. One of the striking things in the enrollment is the fact that there are 103 Ag. seniors out of 227, and of the 511 freshmen, 268 are taking the Ag. course. Veterinary science sees a small increase. The increase in the course here seems to be following the same line as that of other similar institutions, especially Cornell, where there is a very large increase in the college of agriculture.

H. E. Knowlton, '12, who has been in the employ of the University of Illinois experiment station, is now doing graduate work in plant breeding and plant physiology at Cornell.

## 1911 FORESTER IN "AMERICAN FORESTRY."

In the September issue of *American Forestry* there appears a splendid article on "The Bavarian Forester," written by G. Harris Collingwood. Harris, it will be remembered, spent last year in Germany, studying in the University of Munich part of the time, and part of the time right out in the field, where he had an excellent chance to study forestry conditions. He illustrates this article with several of his own pictures, one of which, The Herr Forester a Valepp, has been made a great deal of, many enlargements having been made from it. In this article he tells of the schooling necessary for forest ranger and forest supervisor. There is no chance, he says, for a forest ranger ever to be promoted to forest supervisor. After many years of experience the ranger may hope to command \$900 for his services, and a few of the supervisors may reach the \$2,100 mark.

It is understood that *American Forestry* has asked for more articles of this kind, thereby paying Collingwood a very flattering compliment.

## ALUMNI NOTES.

J. M. Knapp, with '61, writes in from South Bellingham, Wash., where he has been living and studying the flora and fauna of the Puget Sound country for the past six years.

Albert F. Allen, the only living member of the class of '61 that graduated, is a farmer at Vineland, Kan. Both Mr. Allen and Mr. Knapp are very loyal to M. A. C. If we had as good a proportion of the later classes that were taking the Record, it would have a glorious future, indeed.

We are indebted to D. E. Fisher, '12, for the following several items from the West. Fisher is now working on fruit disease investigations, and is making his headquarters at Wenatchee, Wash., but expects to be in Washington, D. C., after another month, and hopes to stop off here on the way back.

H. S. Bird, '14, is with the Division of Pomology, and is located at North Yakima, Wash.

Frances Dixon, with '15, is teaching at Entiat, Wash.

Josephine Hart, '12, is teaching domestic science in one of Seattle's best schools.

Paul N. Ford, instructor in drawing in 1910, is selling real estate at Lake Chelan, Wash.

V. G. Anderson, '12, is now head of the rating department of the Aultman & Taylor Machinery Co., Mansfield, Ohio.

E. A. Calkins, '98, whose address was asked for in the last issue, is now connected with the State Railroad Commission, and is living at Mason.

E. H. Gibson, '12, has been located at Tempe, Arizona, where he is investigating cereal and forage insects for the B. P. I.

(Continued on page 8.)

## CAMPUS BREVITIES

H. E. Dennison, '11, assistant in the dairy department here, judged at the Charlotte fair the past week.

The entrance of the new dairy building is crowded most of the time during the hot weather. Cold buttermilk and ice cream cones are to blame.

A brick building that will house three stores is very near completion just to the west of the College Drug Store. Art. Hurd will have one of the stores.

A new electric organic combustion furnace has been installed in the chemistry laboratory, which makes quantitative work very much easier and more satisfactory.

Prof. Anderson judged at the Allegan county fair Oct. 1. As an indication as to what is happening in Michigan, Mr. Anderson said that every animal shown was a dairy animal.

The new bleachers on the east side of the athletic field are being rushed to completion for the Michigan game. It is said that the seating capacity for this game will be very nearly 10,000.

The chemistry department has fitted up a special laboratory in the building back of Wells Hall, to take care of students who, through sickness or other ways, are unable to attend the regular laboratory class. Gatesman, a senior, has charge of this work.

Old students will be glad to know that Andy Sias, the official college barber for so many years, has at last found permanent quarters in the basement of College Drug and Grocery Co. store, the place formerly occupied by Reynolds. Andy will be glad to see you when you are back.

Former chemistry students will be very glad to know that Mrs. Harris, formerly Miss Goodhue, and for ten years clerk in the chemistry department, is very much improved in health. She has been in a sanatorium near Lansing for some time, recovering from a severe attack of pleura pneumonia.

## WEDDINGS.

## IRVINE-WOOD.

Roy Irvine, '14, former *Holcad* editor, was united in marriage, on Sept. 12th, to Miss Alice Wood, '14. The ceremony took place at the bride's home, in East Lansing. Mr. and Mrs. Irvine went to Athens, Ga., where Irvine takes a position as head of the poultry department of the University of Georgia. This position was formerly held by L. L. Jones, who resigned to take extension poultry work with Purdue University. His headquarters are at Lafayette, Ind.

## NORTHWESTERN TEACHERS' AGENCY

We are greatly in need of teachers for emergency vacancies of the early autumn, which offer the best opportunity for promotion. The leading Agency for the entire West and Alaska. BOISE, IDAHO.

**Motor Washing Machines**  
**Hand Washing Machines**  
**Bench Wringers**  
**Tub Wringers**

Fully guaranteed, and prices right.

**NORTON'S HARDWARE**

**FOUNTAIN PENS** *Waterman's, Parker's,  
 Mercantile, Etc.*

\$1.00 to \$6.00, all guaranteed

AT

**COLLEGE DRUG & GROCERY STORE.**

*Full line of Everything. Agents for Star Laundry. Electric Supplies.*

**ANDY'S BARBER SHOP**

Same old Cut-ups—and then some (shoes shined)

Basement of College Drug & Grocery Co

LOOK FOR THE SIGN — H. A. SIAS

Close at 6:15.

**HOTEL WENTWORTH**

250 ROOMS

European Plan — \$1.00 up.

*Special rates to M. A. C. Students on Friday, Saturday  
 and Sunday.*

**If Experience and Equipment Count**

We have both — In business since 1891

FRENCH DRY CLEANERS, DYERS AND TAILORS

**A. G. BISHOP**

114-16 Washtenaw W.

Both Phones

**FOR A STUDENT**

Working his way through college

**A REMINGTON TYPEWRITER**

Is the best money maker. We rent visible Remingtons  
 at \$2.50 per month. \$5.00 applies on purchase price.

REMINGTON TYPEWRITER CO.

Phones: Bell 873  
 Citizens 9585.

211 Prudden Bldg.  
 Lansing, Mich.

**STUDENTS, ATTENTION!**

For Drugs, Perfumes, Kodaks and  
 Rexall Remedies, go to

**C. J. ROUSER DRUG CO.**

123 S. WASHINGTON AVE.

**M. A. C. DOWNS OLIVET IN OPENING GAME.**

In spite of a somewhat loose exhibition of football last Saturday, on the part of M. A. C., Olivet, in their annual opening game, went home with the small end of a 35 to 7 score. This is the first time in years that the Congregationalists have been able to score; and naturally the contest was not up to the standard in the eyes of the 1,500 rooters. The Olivet boys played a hard, consistent game, and were able to make their downs several times.

Captain Julian was the most consistent ground-gainer, although the punting done by Deprato was very encouraging, and at goal kicking he took every one of the five chances. Coryell, the new right tackle from Chicago, showed lack of experience, and Straight, right guard, let several men go through for good gains. Dutch Miller, at quarter, handled the team very well, and showed up good, carrying the ball, while Hewitt Miller, playing left half, gave the impression that there is much room for improvement. Of the new men, Vandervoort, left guard, showed up the best. He played the whole game, and it looks as if his job was permanent. Hammil, a much touted youngster from Muskegon, seemed to make little use of his opportunity when substituted for Miller at end. Henning and Chaddock both worked very well at end, but were not allowed to play all the game. Vaughn, at center, and Smith, at left tackle, were fully up to form of last year.

Blake Miller was responsible for Olivet's one touchdown. A punt went almost squarely into his hands but he fumbled, Olivet recovered and was downed on M. A. C.'s two-yard line, from which Olivet put it over in one try by a long end run. In fact, most of Olivet's gains were made around right end. M. A. C. made two touchdowns in the first quarter, one the second, and the last two in the fourth. Miller's costly fumble gave Olivet a touchdown in the second.

The game was replete with fumbling, some hurdling, and roughing cost M. A. C. some bad penalties. The showing made tells the fans that we have much better material than last year at this time, but there is need of a week or two of hard practice to bring the men into an efficient scoring machine.

THE SUMMARY.

M. A. C.

OLIVET.

Henning, Chaddock,		
Hammil.....	R. E.....	Leavenworth
Coryell, Hutton.....	R. T.....	Abbott
Straight, Loveland.....	R. G.....	Bevens
Vaughn.....	C.....	Coulter
Vandervoort.....	L. G.....	McKillop, Hull
Smith.....	L. T.....	Updyke
Blake Miller, Hammil,		
Henning.....	L. E.....	Champion
Dutch Miller, Fick.....	Q.....	Springer
Hewitt Miller.....	L. H.....	L. Hull
Deprato.....	R. H.....	French
Julian (Captain).....	F. B.....	Butler

Touchdowns—Julian, 2; French, 1; Dutch Miller, 2; Smith, 1.

Substitutions—Chaddock and Hammil for Henning; Hutton for Coryell and Coryell for Hutton; Loveland for Straight; Hammil and Henning for Blake Miller.

Referee—Hutchins, of Purdue.

Umpire—Dalrymple, of Knox College.

Head linesman—Cox, of O. S. U.

Time of quarters—15 minutes.

### THE MICHIGAN GAME.

At one of the recent alumni meetings it was decided to have one game of the year designated as alumni game, and the Michigan game has been so designated. The athletic office has turned over to this office 635 seats to be reserved for the alumni. The majority of these are in the center of the field, in the new bleachers, and the rest in section C. of the west bleachers, right next to the college rooting section. We have also seven boxes on the west side that will accommodate six people each. Reserved seats, including admission, will sell for \$2, and not more than three seats will be sold to one alumnus. It will be necessary that this be a strictly cash proposition. Send in your money and you will be taken care of, and you can get your tickets at the alumni headquarters the morning of the game, or they will be mailed to you as soon as the tickets are printed.

The editor will be glad to know when the alumni will arrive, for it may be possible to arrange a reunion dinner before the game. Drop a line so we can know what to plan on.

### CORTRIGHT NOW HEAD COACH AT SOUTH DAKOTA.

I. J. Cortright, '11, assistant coach at M. A. C. the past year, left Sept. 1st to take the position of head coach at the University of South Dakota. Word has been received from "Cort" that he has most of last year's veterans back, and expects to show them a team. He writes that he has been treated royally every minute since he arrived. All wish "Cort" good luck, except should he come back to M. A. C. with his team. It will be remembered that the South Dakota team last year held M. A. C. to a score of 19 to 7.

### GAUTHIER ASSISTANT COACH.

After much pleading on the part of Coach Macklin, G. E. Gauthier, '14, the star quarter of last season's victorious band of football warriors, returned last Wednesday, donned a suit of moleskins and appeared on the athletic field, ready for work. "Gotch" has been given charge of the scrubs, and from their showing after two days' training, it looks as if "Gotch" had the same old "pepper," and was able to instill a good bit of it into his team. In scrimmage they have broken through the 'varsity's stone wall repeatedly.

## M. A. C. STUDENTS

• ALWAYS WELCOME

AT

## *The Mills Store*

A complete assortment of  
Bedding, Rugs, Draperies,  
Women's Wear, Coats,  
Suits, Skirts, Waists, etc.

LET US TRY TO PLEASE YOU

Let Us Feather Your Nest

## *The* Hoover-Bond Company

FURNITURE

CARPETS STOVES

*Makers of Happy Homes*

## ALUMNI NOTES.

(Continued from page 5.)

J. C. Alderdyce, '14, is with the bridge department of the State Highway Commission, with headquarters in Lansing.

Lyle Prescott, '12, is with the Fargo Hydraulic Engineering Co. Mail will reach him if sent in care of this company at Jackson, although he is traveling all over the state.

We are in receipt of a circular on Stereopticon Improvement Lectures, gotten out by H. E. Weed, '89, M. S. '90, who is now a landscape architect in Oregon (Beaverton), and proprietor of the Beaverton Nursery.

R. J. Crawford, '91, is Deputy State Inspector of Orchards and Nurseries as a side line. Most of his interests are taken up as proprietor of the Crawford farm at Armada, Mich. He writes that a third of this farm consists of bearing orchard.

O. K. White, '07, Extension Agent in Horticulture, has had an educational exhibit of fruit insects and diseases, and has been on hand to answer all kinds of questions in his line at county fairs at Traverse City and Hartford the last two weeks.

D. E. Barman, '14, and L. S. Storms with '12, were visitors at the college, the past week. Storms has charge of a 360-acre farm at Niles, Mich., and was here in consultation with Prof. Musselman in regard to a 40 by 80-foot barn that he is going to erect.

J. L. Thomas, '05, is dairyman with the U. S. Dept. of Agriculture, and is located at College Station, Texas. He sends in his dollar, and says: "I did not get the Record last year and feel that I missed many things with which an alumnus of the college should be familiar."

F. G. Wilson, '11 ("Pud"), is forest assistant in the State Forest Service, and has been detailed to work on state, park and county woodlot investigations. "Pud" was married on July 18th, to Miss Ella Braeger, of Rhinelander, Wis.

### Lawrence & Van Buren Printing Company

210-212 Grand Ave. North



## I'll Keep Your Hogs Healthy and Expel the Worms

There's absolutely no reason why you can't raise 200-lb. hogs inside of six months, provided you keep your swine well, clean and free from worms.

There's nothing better under the sun that I know of that will accomplish that purpose than the regular feeding of Dr. Hess Stock Tonic and the liberal use of Dr. Hess Dip and Disinfectant around the hogpens and wallows. These two scientific preparations of mine will make your hogs practically disease-proof.

## DR. HESS STOCK TONIC Makes Hogs Healthy—Expels Worms

This preparation is the result of my lifetime experience as a doctor of veterinary science and doctor of medicine. It contains tonics for toning up the system and enriching the blood, laxatives for regulating the bowels and vermifuges for expelling worms. As a worm expeller, I say emphatically that this preparation has positively no equal, and I'll back this statement up with the strongest guarantee you ever read. Here it is:

So sure am I that Dr. Hess Stock Tonic will keep your stock healthy and expel worms that I have authorized my dealer in your town to supply you with enough tonic for all your stock and, if it does not do all I claim, just return the empty packages and get your money back.

25-lb. pail \$1.60; 100-lb. sack \$5.00, smaller packages as low as 50c. Except in Canada, far West and South. Never sold by peddlers, but only by reputable dealers whom you know. I save you peddler's wagon, team and traveling expenses, as the above prices prove.

Send for my free book that tells all about Dr. Hess Stock Tonic.

### DR. HESS & CLARK

### Ashland, Ohio

### They're not short-lived The Jerseys



In 1913 eighteen Jersey cows were officially tested which averaged 12 years and 7 months of age. Their average milk production was 8517 pounds. Average butter fat, 387 pounds. One of these cows was over 18 years old.

Longevity, Constitution and Economic Production are Jersey characteristics.

THE AMERICAN JERSEY CATTLE CLUB  
324 W. 23d St., New York City

**GILBERT HESS**  
Doctor of  
Veterinary Science  
Doctor of Medicine

### Dr. Hess Poultry Pan-a-ce-a

A splendid poultry tonic that shortens the moulting period. It gives the moulted hen vitality to force out the old quills, grow new feathers and get back on the job laying eggs all winter. It tones up the dormant egg organs and makes hens lay. Also helps chicks grow. Economical to use—a penny's worth is enough for 30 fowl per day. 1 1/2 lbs. 25c; 5 lbs. 60c; 25-lb. pail \$2.50. Except in Canada and the far West. Guaranteed.

### Dr. Hess Instant Louise Killer

Kills lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on the roosts, in the cracks and dust bath. Also destroys bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc. Comes in handy sitting-top cans, 1 lb. 25c, 5 lbs. 60c. Except in Canada and the far West. I guarantee it.