

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 10.

LANSING, MICHIGAN, TUESDAY, SEPT. 20, 1904.

No. 1

## THE HOME BEAUTIFUL

Is the title of a neat little booklet received from Howard Evarts Weed, '89, landscape architect, Chicago.

In his book Mr. Weed points out the desirability of well kept grounds, and in well chosen words compares the same with the home surroundings so often seen. His address is 1715 Railway Exchange, Chicago, Ill.

## MR. E. L. CHAPPEL.

Mr. E. L. Chappel of Detroit, has been retained as instructor in the forge shop and as an assistant in the machine shop, Mr. Chappel has had an extended experience, both at forge work and as machinist, and comes to us well recommended. We wish him success in his new work.

## MR. W. W. WELLS.

Mr. W. W. Wells, class of '01 and formerly instructor in the mechanical department, has resigned his position as draftsman with the Ball Engine Co. of Erie, Pa. to accept a position as instructor in mechanical engineering at this College. Mr. Wells is so favorably known at the College, that it is hardly necessary to comment upon his work in the past, and we are assured through said past work that his future work will be successfully carried on.

## RESIGNATION OF PAUL THEADORE.

Mr. Paul Theadore, for the past sixteen years instructor in the forge shop of this College, resigned at the beginning of the present college year. His resignation was received by the college authorities with much regret. Mr. Theadore was an efficient and popular instructor and it is to be regretted that he could not be prevailed upon by the college officials to continue in his old position. He will be missed by the old students as well as by his recent associates.

We extend to Mr. Theadore our best wishes for success in his new venture.

## RESIGNATION OF PROFESSOR REYNOLDS.

Mr. H. W. Reynolds, who for the past two years has been assistant professor in mechanical engineering at this College, has been tendered and accepted the position of assistant professor of mechanical engineering at the University of California. Prof. Reynolds, who is a graduate of the University of Pennsylvania, came here as an instructor in mechanical engineering, after having served one year as instructor at the Drexel Institute in Philadelphia, and having been for a time in the employ of the Pennsylvania Railway in connection with

the civil engineering corps. He was appointed assistant professor of mechanical engineering in 1902. Mr. Reynolds, soon after coming here, became actively identified with the College work and life; he conducted his classes very efficiently; his departure is viewed by his colleagues with regret.

To Professor and Mrs. Reynolds (Elvina L. Armstrong, '04), in their new home in California, the College community extends its best wishes.

## Y. M. C. A.

All men are invited to attend the reception given by the Y. M. C. A. in the Association rooms, Williams Hall, on Friday evening at 8 o'clock. This will be an opportunity for the new men to become more acquainted and will bring old friends together once more. This is for every man in College, and all are asked to be present.

Mr. Carl H. Smith, formerly of M. A. C., and now student secretary of the Y. M. C. A., of Michigan, will address the students at a meeting in the chapel Sunday evening, Sept. 25.

## EDITOR MASSELINK LEAVES.

Mr. Gerret Masselink who has had charge of THE RECORD for the past year has returned to Big Rapids to accept a position as vice principal of the Ferris Institute. As Mr. Ferris is a candidate for governor, and must necessarily spend much of his time away from his school, the management of the same is under Mr. Masselink. We feel that by the resignation of Mr. Masselink the College has lost a man who was well qualified for the work he had in hand and one who was able to do much good for M. A. C. It is needless to say that he will be missed from the College community. All join in wishing Mr. Masselink success in his new work.

## OUR FILIPINO STUDENTS.

"I have under my charge one hundred and ten Filipino students, who are being educated at the expense of the Philippine government. Of the number who are going take agricultural courses during the remainder of their stay in America, I have five whom I shall be pleased, if suitable arrangements can be made, to place in your institution. \* \* \* These students will be three years longer in the United States, and the purpose is primarily not to have them secure any sort of a degree, but to get the most possible benefit out of their stay in this country along agricultural lines."

The above are extracts from a letter received by Pres. Snyder from Wm. A. Sutherland, Supt. of Filipino Students, Philippine Exposition, World's Fair, St. Louis, Mo. The five boys sent to M. A. C. are Ramon J. Alvarez, Ludovico Hidro-

solio, Rafael Montenegro, Balbino Palmares and Andres M. Sevilla. Mr. Alvarez has been in this country nearly two years, during which time he has attended high school in California. The last four named have been in the high school at Whittier, Cal., during the past year. These young men are bright, earnest fellows. Let us do what we can for them.

## A LETTER FROM MR. LONGYEAR.

Professor Longyear of the Agricultural College at Fort Collins, Colo., writing to Dr. Dandeno of M. A. C., states that the buildings there compare favorably with those of M. A. C., and that from a botanist's point of view it is extremely interesting, partly because the Flora on the unirrigated lands is so different from that of Michigan. Among other things he says: "I find that the plant diseases are considerably different from those in Michigan; so far I have seen no apple scab whatever, nor any black knot on the plum, although it is said to be common on the wild plums which are on the foot hills. The mushrooms are quite abundant in the irrigated section, especially around the bases of the cottonwood trees.

This is a very interesting country to a person who has never been west of Chicago, and I enjoy very much getting acquainted with the new plants which are to be found here, especially those which grow in the unirrigated portion of the state. We have made two trips into the foot hills which lie four or five miles to the west of the city, and the last time I climbed to the top of a small mountain known as Horse Tooth Peak. This has an elevation of about 2,000 feet above the altitude of the city. It was a great experience for me and fired me with a desire to do greater things in this line.

I hope to start a small botanical garden in the spring, which, I think, will be very much appreciated here, both in this department and in the department of entomology. According to present indications we shall have our hands full, and may not be able to accomplish all we have planned.

We are becoming acclimated, but have felt, to some extent, the change in altitude since coming here. We have purchased a lot and expect to build, with the intention of having a home of our own by the first of January, if possible.

Meeting of all RECORD editors in President Snyder's office Friday morning at 7:30.

Students, whose subscription expires on or before October 1st, please call at Secretary Brown's office and see about renewal at once. The subscription price is 50c a year with a copy for home free. We trust that new students, as well as old, will take advantage of the offer.

## ALUMNI.

'90.

J. R. McColl, professor of mechanical engineering Purdue University, visited the College during the summer. His temporary home is at his wife's parents, St. Johns, Mich., where a baby girl was born in July.

Prof. Chas. Ferris, of the University of Tenn., visited here a few days during the summer. Mrs. Ferris died in the early summer and her remains were brought north for burial.

'91.

Kenyon L. Butterfield was with us a few days during July. His work as president of the School of Agriculture and Mechanic Arts at Kingston, R. I., has been very pleasant and successful.

'96.

R. L. Clute is at Manilla, P. I., teaching agriculture at the Insular Normal School.

'98.

Geo. Richmond is at Manilla, P. I., in the government laboratory, trying to find out how dairy butter can be made from coconut oil.

'00.

Miss Harriet G. Robson spent a part of her vacation at home, Lansing, and gave the College a pleasant call. Miss Robson is teaching domestic science in Detroit Normal School.

W. T. Parks called at the College on Sept. 3. Mr. Parks is still in the milk and cream business, but is now located at Benton Harbor where the company of which Messrs. Parks & Parker are members, have a branch station. Mr. Parker of the same class is still in Grand Rapids.

'01.

E. S. Harrison stopped at the College September 2, on his way to Chicago. Mr. H. has been employed in shops at Pittsburg, Pa., but was obliged to leave on account of ill health. We trust that Mr. Harrison may regain his health speedily.

John F. Coats is employed at the Rock Island Arsenal, Davenport, Ia. Mr. Coats made the College a pleasant call last week.

'02.

The following is an extract from a letter received from A. H. Case: "I am very glad to report that I have been granted a scholarship at Columbia for the coming year. My work this summer has been very pleasant, and tomorrow I start again for the coast."

'03.

On August 30, 1904, at ten o'clock a. m., Mr. Stanley Garthe and Miss Nora Amelia Hanson were united in marriage. The young people are at home at 424 East B St., Iron Mountain, Mich.

THE M. A. C. RECORD.

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B. A. FAUNCE, MANAGING EDITOR.

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TUESDAY, SEPT. 20, 1904.

At this the opening of another college year THE RECORD extends a hearty welcome to all College people, to those students who return to, again take up the work, to the alumni, to new students, and in fact to all who are interested in the welfare of M. A. C. Our best wishes for a prosperous year are yours.

The writer takes this opportunity of expressing his appreciation of the welcome he has received on his return to M. A. C. to accept the management of THE RECORD. He realizes, to some extent at least, the responsibility which such a position carries with it, and therefore begs the earnest support of both faculty and students in an effort to make of THE RECORD what it was under the efficient management of Mr. Masselink.

He will be very grateful for any suggestions which may be made for the betterment of the publication as well as for news which should appear from time to time, and the box in the main hall of the library building will still be at the disposal of those who will favor us with matter.

OUR NEW INSTRUCTORS.

CARL GUNDERSON, A. M. Ph. D., instructor in mathematics, was born in Norway; came to this country in 1887. He received his bachelor's degree from Leland Stanford University in '97, A. M. from Columbia in 1898, and Ph. D. from the latter institution in 1902. He has taught in Rugby Military Academy, and since 1902 has had charge of the department of mathematics in La Grange College, Mo.

WALTER G. SACKETT, B. S., who becomes the successor of S. F. Edwards in the department of bacteriology and hygiene, comes from Raleigh, North Carolina, where he has been connected with the Baptist Female University. He had his training in the Ohio State University and Chicago University. His bacteriological studies were pursued under Dr. Jordan and with him, he was enabled not only to complete the many courses offered, but was privileged to pursue considerable special work, and to devote much time to the bacteriological study of the Chicago Sewage Canal.

FLOYD O. FOSTER, Instructor in Dairying, is a graduate of M. A. C. with the class of 1903. Mr. Foster was for some time instructor in dairying in the Oklahoma Agricultural College. He resigned to accept a position with Oscar B.

Schier & Bro., Hygeia Dairy, Baltimore, Md., where he was located when called to M. A. C.

CHARLES S. WILLIAMSON, JR., instructor in chemistry, was born at Culleaka, Tenn. He graduated from Vanderbilt University in 1902 with the degree of B. S., and received the degree of M. S. in 1903. During the past year he has supplied the chair of chemistry and biology at Wafford College, Spartanburg, S. C.

CHAS. H. SWANGER, instructor in chemistry, was born at Lebanon, Pa. He graduated from Penna. State College, June 15, 1904, with the degree of B. S.

GEORGE G. SWEET, instructor in mathematics. Graduated at Cornell '01 with the degree of A. B., and in 1903 received the degree of B. S. in civil engineering. He has been an instructor in the Pennsylvania State College for the past year. His home is at Pottsdam, N. Y.

ELLEN B. BACH, M. S., has been engaged as instructor in botany in place of B. O. Longyear, resigned. Miss Bach graduated from the University of Michigan in '02, and received her master's degree in '03. For the past year she has been teaching in Oxford, Ohio.

MR. C. A. McCUE, instructor in horticulture, graduated from M. A. C. in 1901. He was soon afterward appointed to a position with the Bureau of Forestry, which position he held until the fall of 1903. He then returned to M. A. C. to take up post-graduate work and was elected Instructor in horticulture in April, '04.

FRANK R. HURST, who succeeds Mr. Wermuth as Y. M. C. A. secretary, is a graduate of Alma College, '04, and was a member of the wrestling squad last year. Mr. Hurst has had the experience necessary to qualify him for the position and the Y. M. C. A. is to be congratulated on securing his services.

ARTHUR E. PALMER, instructor in drawing, graduated from the high school at his home, Schenectady, N. Y., and from the Pratt Institute, Brooklyn, in the course of manual training and machine design. He has had several years practical work in drafting.

FLOYD E. MILLS, instructor in civil engineering, is a native of McNabb, Ill. He graduated at the U. of Ill., 1904, with the degree of B. S. in civil engineering. For three summers he has been doing practical work in engineering with the T. M. & N. R. R. and the Devlin Coal Co.

MISS JENNETTE CARPENTER has been placed in charge of the Domestic Science Department and Miss VIRGILLIA PURMORT, of Cedar Rapids, Ia., has been elected instructor in domestic science. Miss Purmort is a graduate of Halliday's Seminary near Philadelphia. She has had two years of domestic science at Ames, Ia.

WILLIAM F. LAMOREAUX, instructor in chemistry, was born at Grand Rapids, Mich., Sept. 26, 1881. He graduated from the Grand Rapids high school in 1900, attended M. A. C. during the year 1900-01, the Michigan School of Mines 1903, and also took special work at M. A. C. during the winter of 1904.

MARY WETMORE, M. D., an assistant in the bacteriological department, is a graduate of the University of Michigan Medical School. She has been in practice for some

time, but is now preparing for special work.

LAWRENCE T. CLARK, B. S., a graduate of this institution last June, will pursue investigations in soil bacteriology as an assistant in the Department of Bacteriology and Hygiene.

COLLEGE EXCURSIONS.

The excursions during the week beginning Aug. 22, were well patronized, the total number visiting the College being 7444.

The number of tickets sold in connection with each excursion is as follows:

Pere Marquette:	
Detroit Division,	900
Grand Blanc,	274
Big Rapids,	643
Edmore,	312
Grand Rapids,	830
Freeport,	29
Fremont,	92
St. Joseph,	365
Allegan,	84
	3529
Michigan Central	1207
Toledo & Ann Arbor	435
Lake Shore & Mich. So.,	873
Grand Trunk	1400

The following, taken from the *Battle Creek Daily Journal*, explains itself:

"A delegation of 29 members of the Nature Club visited the Agricultural College Saturday, and spent a day that was not only delightful but full of instruction. The lands of the College comprise 700 acres. Here are found immense orchards of fruits, vegetable gardens and fields of grain, all exemplifying what scientific farming will do. Carryalls were provided and the visitors were driven through the spacious fields and orchards. The glory of the grounds is the beautiful campus with its green lawns, majestic forest trees and beautiful shrubs. On the grounds are fifty-five buildings, devoted to various purposes. The surroundings make it an ideal location for a college."

Mention was made of the club's visit to the Women's Building and museum, and both very nicely described.

"The club enjoyed a rare treat in having the good fortune to meet Prof. W. J. Beal, the eminent botanist, who has been connected with that institution for 34 years. He spent the entire afternoon in guiding the party around the botanical gardens. The association with Prof. Beal and the information gleaned from his instructive talks about the

trees, shrubs and flowers, was greatly appreciated by the club, as it added greatly to their botanical knowledge.

"All of the professors and students connected with the College were very gentlemanly and courteous and showed every possible attention to the visitors."

O. L. Ayres, '02, is visiting his parents in Collegeville. Mr. Ayres is now located in southern Tennessee, where he is engaged in soil survey under the direction of the Bureau of Soils, Department of Agriculture.

Prof. U. P. Hedrick was at his cottage at Roaring Brook for a few weeks. He also took a trip to St. Louis, Mo., visited Indiana on a lecture tour and stopped at Benton Harbor.

The library will be open from 9 to 12 a. m., 1 to 6 p. m., and in the evening from 7 to 9. It is the pleasure of the librarian to offer any assistance that she can. New comers need not be afraid to ask questions.

Prof. F. S. Kedzie was at Harbor Beach for some time during the summer but became ill and was obliged to go to Mt. Clemens for treatment. He is at his post again however and ready for duty.

Dr. Beal attended the state fair on last Thursday, where he addressed a meeting of the Grange. He also attends the Grand Rapids fair this week, where he gives a talk on tree planting and forestry.

Indications for an unusually large entering class are very good, 142 having received assignments up to Monday evening.

In the United States, including Alaska, Hawaii and Porto Rico there are Agricultural Experiment Stations managed by fifty-seven directors, of whom nine, or nearly one sixth of the whole, received their training in agriculture at M. A. C. Eight were graduates, one a non-graduate. It ought to be said that two of these are acting directors or special agents.

- This is the list:  
 C. E. Thorne with '66-67, Wooster, Ohio.  
 C. C. Georgeson, '78, Sitka, Alaska.  
 E. Davenport, '78, Urbana, Ill.  
 L. G. Carpenter, '79, Fort Collins, Colo.  
 L. H. Bailey '82, Ithaca, N. Y.  
 H. T. French, '85, Moscow, Idaho.  
 E. A. Burnett, '87, Lincoln, Nebr.  
 L. A. Clinton, '89, Storrs, Conn.  
 F. B. Mumford, '90, Columbia, Mo.

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## ABOUT THE CAMPUS.

Prof. King was in Chicago. Miss Carpenter was at her home in Orion.

Dr. Edwards was at his farm in Virginia.

Prof. Bogue spent two weeks at St. Louis.

Prof. Marshall has been about all summer.

Prof. Taft has been in St. Louis all summer.

Mr. Gunson judged plants at the state fair last week.

Prof. Sawyer was at Crystal Lake in Benzie Co.

Prof. W. O Hedrick was at the College all summer.

Mr. Gunson has been about the grounds all summer.

Miss Gilchrist spent two weeks at Lake Geneva, Wis.

Prof. Babcock spent his vacation at Crystal Lake near Frankfort.

The M. A. C. Sunday school convenes at 3 p. m. next Sunday.

Dr. G. A. Waterman spent five weeks at his former home in Salem.

The forestry department made an exhibit of trees at the State Fair.

Mrs. Landon spent two weeks with Prof. Holdsworth and family.

Prof. Shaw and Prof. Jeffery have been about the campus all summer.

Mr. C. Crawford spent part of the summer at Pine Lake, Oakland county.

The horticultural department reports a large crop of both apples and pears.

Bleachers have been erected on either side of the grand stand during the summer.

Prof. Holdsworth and family, spent several weeks in their cottage near Traverse City.

Prof. Smith was here except about one week which was spent in New York State.

Miss Calla Krentel has been employed in the bulletin mailing room during the summer.

The farm department filled the silo at the north barn last week Thursday and Friday.

The basement under College Hall is being fitted up for work in physics and mathematics.

Messrs. Boomsliter, Hough and Schroyer have been working with Mr. Newell during vacation.

Mr. E. C. Baker moved into his fine new residence in Oakwood about the middle of August.

Dr. Dandeno has commenced the investigation of a problem in the new field of chemical ecology.

Mr. A. Krentel spent part of his vacation in a trip to Pentwater, Muskegon and Grand Rapids.

Mr. and Mrs. Myers took a trip to St. Louis visiting the fair, and was at Champaign and Geneseo, Ill.

J. C. Wilcox and E. J. Crouse were employed in the gardens and orchards during the summer vacation.

H. L. Peart, B. S. A., instructor in horticulture at Guelph College, visited the College one day last week.

E. I. Smith, who has charge of the tool room in the machine shop will become general assistant in the shops.

Prof. Weil and family spent a few days at Roaring Brook and neighboring resorts on Little Traverse Bay.

Prof. Dandeno has been at the College all summer. He has been granted the degree of Ph. D. from Harvard.

J. S. Keating, formerly of the wood shop tool room, has been promoted to the tool room in the machine shop.

Messrs. Warren, Kratz, Stayton and E. F. Smith have been doing repair work with Mr. Krentel during the summer.

Prof. Pettit fished for a week at Long Lake, near Howell. The remainder of the time he has been about the campus.

Robert Kirker, of Bancroft, has been employed as stenographer in the president's office during Miss Yakely's absence.

The athletic field has been tilled so that we may now expect it to be in reasonably good shape very soon after any ordinary shower.

Football practice begins the first of the week. Let as many as will turn out and try for the team. New men are especially welcome.

President Snyder and family spent a week at northern Michigan resorts, after which the president visited his brother in the west.

Prof. Vedder and family have been at their cottage at Pine Lake. Prof. Vedder has done considerable surveying about the city during the summer.

Prof. J. W. Robertson, Commissioner of Agriculture for Canada, and Prof. Wm. C. Macdonald of Montreal, visited the College last week.

Dr. Beal has been at the College this vacation except four days which he spent in collecting in Cass and Van Buren counties for the Botanic Garden.

W. S. Leonard has been busy this vacation with the work of completing his book on Shop Methods, which will soon be published by the John Wiley Pub. Co.

Mr. F. A. Loew will be employed by the botanical department during the coming school year. His work will be in the botanic gardens, herbarium, collecting, etc.

Mr. W. R. Shedd visited St. Louis during his vacation, stopping en route at the Illinois Steel Company's Works, South Chicago, in the interests of the class in metallurgy.

Prof. W. B. Barrows' family have been at Roaring Brook for several weeks. Prof. Barrows spent a week on Beaver Islands and has added several bird specimens to the museum.

**AUCTION SALE OF PEDIGREED LIVE STOCK**

Including 13 cattle, 40 sheep, and 31 swine to be held at the Michigan Agricultural College, Lansing, Tuesday, Oct. 11, '04. Sale to begin at 10:30 a. m. The following animals will be offered:

**SHORTHORN BULLS.**—College Mysies Cloudburst, calved April 6, '02; Baron Bernard, calved Sept. 8, '02; College Roan Cloud, calved Oct. 28, '02; College Mysies Snowbank, calved Dec. 1, '02; Allen Mysie, calved Sept. 7, '03; Victor Allen, calved Sept. 27, '03.

**HEREFORDS.**—Kington 2d, bull, calved Dec. 29, '00; Kington Duke, bull, calved Nov. 10, '03; Fannie Hunton, calved Feb. 15, 1900; Florida, calved Feb. 27, 1900.

**ANGUS.**—Elsie Maids Lass, calved March 31, '01; Angus Bull, calved Feb. 24, '03; Angus Heifer, calved Feb. 28, '04.

**SHROPSHIRE.**—One 3-year and one yearling ram, four ram lambs and 6 ewes.

**DORSETS.**—One 2-year ram and two ewes.

**HAMPSHIRE.**—One 2-year ram. One yearling. Seven ram lambs and six ewes.

**OXFORDS.**—One 4-year ram, imported.

**SOUTH DOWNS.**—Two ram lambs.

**COTSWOLDS.**—One four year ram.

**RAMBOUILLETS.**—One 2-year ram. Two yearlings and three ewes.

**DUROC JERSEYS.**—One boar farrowed, Oct. 5, '02; One sow farrowed, Dec. 26, '03.

**BERKSHIRE.**—Three boars farrowed, May 10, '04; Two boars farrowed, May 11, '04; Three sows farrowed, May 11, '04.

**POLAND CHINA.**—One boar farrowed, Sept. 20, '04; Four boars farrowed, Mar. 10, '04; One sow farrowed, Mar. 10, '04; Two sows farrowed, Aug. 18, '03.

**YORKSHIRE.**—One boar farrowed, Feb. 27, '04; Two sows farrowed, Feb. 27, '04.

**CHESTER WHITES.**—One sow, April 12, '03; One boar, June 16, '04; Three sows, June 16, '04; One boar, May 1, '04; Three sows, May 1, '04; One sow, June 20, '04.

This is a sale of surplus stock. Catalogs will be furnished on application to the farm department Michigan Agricultural College, Lansing.

Terms cash.  
H. L. Pallock, Charlotte, Mich., Auctioneer.

'03.

E. S. Good gave us a pleasant call during August. Mr. Good is teaching agriculture at Champaign, Ill. He reports a substantial raise in salary.

Mr. W. M. Brown was a pleasant caller last week. Mr. Brown states that four others of his class, F. H. Nickle, Fred Loop, W. J. Carrel and Fred Engel are drafting in Detroit.

'03-'05.

Cecil Phillips, with '05, and Hettie B. Wright, '03, were married June 30, 1904, at Three Oaks, Mich. After a few days stay at home the young people left for Butte, Mont, where Mr. Phillips is engaged in the laundry business with his brother.

'04.

W. O. Thompson has charge of the dairy on Prof. Mumford's farm,

at Dexter, Mich. Mr. Thompson was married in June to Miss Henrietta King, Sp. '04.

H. N. Hornbeck teaches science in the Traverse City high school the coming year.

A. B. Rogers has charge of a large herd of cattle at Vans Harbor, U. P. Mich.

G. C. Morbeck and F. H. Sanford have been at work on the State Forest Reserve under the direction of the Forestry Commission.

On Wednesday, August 24th, at three o'clock, William J. Wright '04, and Miss Gladys Mapes were united in marriage at the home of the bride's parents, Webberville, Michigan. The ceremony was very prettily carried out and the home very tastefully decorated. A large number of useful and very valuable presents were received. The bride and groom will spend the winter in California, stopping at St. Louis en route. Miss Burnice Jackson, '05, and D. B. Button, '04, old college friends, were among those present.

'06.

Mr. J. E. W. Tracy, of the Bureau of Plant Industry, Washington, D. C., gave a very interesting and exhaustive address on the "Culture and Breeding of Sugar Beet Seed," at the first annual convention of the American Beet Sugar Association at Washington. The methods of securing the best seed were described and many questions were answered. Among the prominent men who asked quite a few questions was Dr. Galloway, of the Department of Agriculture. John kept things straight and brought out an interesting discussion. He severely scored German Jobbers who sell inferior seed to American growers, and outlined a plan for growing seed in the United States. The "American Sugar Industry and Beet Sugar Gazette" devotes over three pages to this article. Mr. Tracy has made the production of seed a careful study.

The work on the tunnel seems a long way from completion, but rapid strides have been made during the summer, and it is believed by the contractors that work will be finished within the stipulated time.

A quantity of laboratory specimens for elementary class work was recently sent by the botanical department to the Agricultural College, Fort Collins, Col.



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