

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 8.

LANSING, MICHIGAN, TUESDAY, FEB. 24, 1903.

No. 23

NOTICE.

At the Farmers Club Wednesday evening the question; "Resolved, that wheat should be dropped from the rotation of the Michigan farmer," will be debated.

CALENDAR.

Home oratorical contest, February 27th.

Owosso Institute, February 24-27th, inclusive.

Street cars will continue to be late for many days yet.

Annual Banquet of the Chicago M. A. C. Association at Kinsley's, 7.40 p. m. March 3rd.

Ritchie's Unique Entertainers, Lecture Course number, March 16th.

State Oratorical Contest at Olivet, March 27.

Winter term ends at noon, March 27th.

GOVERNOR'S GUARD DEFEATED.

M. A. C. met the Governor's Guard Thursday evening in the Light Guard Armory, Lansing, and defeated the Soldiers at basketball 19-7. Last year, M. A. C. defeated the Guard 19-0, consequently the relative strength of the two teams remains about the same. Last year, also, M. A. C., after the game was over, declared that in all probability no more games with the soldiers would be played. After the game this year M. A. C. said substantially the same thing and with the determination to make the declaration good. The Lansing papers have admitted that the game was rough and those who saw the game and especially those who played the game know that it was very rough. A professional team, that is, a non-college team, has no reputation or amateur standing to lose by underhand tactics in athletics and such teams as a consequence often do any old thing to win, or when it is the case that there is no chance to win, as was true as regards the soldiers Thursday night, do any old thing to keep down the score. These remarks will help one to understand the game of Thursday night. After all is said and done a strictly college contest brings out the highest class of sport.

The game opened with as fast playing as was ever seen in a Lansing game. The Guards scored one on a foul and then two more points on a basket. M. A. C. then tied the score and was soon in the lead. From that moment on M. A. C. had the advantage of the soldiers.

At the end of the first half the score stood 11 for M. A. C. and 4 for the Governor's Guards. During the second half both sides made several points, but the Guards were unable to gain on their opponents. Fouls were frequent and M. A. C. was obliged very often to call a mis-play because of roughness.

A number from the College saw the game and helped to cheer on the team. M. A. C. occupied one side of the gallery, while the friends

of the Guards occupied the other. Throughout the contest it was evident to every one that M. A. C. had the advantage in height and quickness, and that the Guards were outclassed generally. The outcome of the game, excepting the first few minutes of play, was only a question as to the size of the score.

M. A. C.		GUARDS.
Tower		McCormick
Tuttle		Ashley
Balbach	Center	McCurdy
Haftenkamp		Russell
Schaefer	Forwards	Griner
Officials—Edmunds, referee; Close and Millar umpires. 20 minute halves. Score, M. A. C. 19; Guard 7.		

BOTANICAL CLUB.

The Botanical Club has had, during the past month, some excellent programs which merited a larger attendance than they received. The club meets for an hour, in the botany building, every Tuesday evening and all interested are cordially invited to attend.

Last Tuesday (Feb. 17th) Prof. Bogue read a paper on "Systematic Lichenology" outlining and illustrating by specimens the present classification of this difficult group which he has carefully studied. Lichens are of economic importance in soil formation, for food as Iceland moss, also in the preparation of agar-agar, a bacterial-culture medium and the litmus used by chemists as a test for acids.

Feb. 10th, Mr. Brown spoke on the "Shrinkage of Timber," with its causes and prevention.

Feb. 3d, Prof. Dandeno read a carefully prepared paper on "Plant Evolution." He first contrasted the theories advanced by Darwin, Lamarck and other scientists and then traced plant development through its various stages and geological epochs.

THE JUNIOR HOP.

The naughty four junior hop was held Friday evening, Feb. 20, and was thoroughly enjoyed by all present.

Mr. and Mrs. U. P. Hedrick acted as chaperones. The reception and banquet were held at the Women's Building. The dining room was arranged very prettily with four long tables decorated with carnations and smilax, and an excellent menu was furnished by twelve of the freshman girls dressed in uniform.

The toasts were each exceedingly interesting and well delivered with Mr. Chas. Woodbury as toastmaster. Mr. Woodbury announced each toast with his usual pleasant wit and originality.

The first toast, "Naughty Four," was responded to by Miss Rubie Light. Miss Light's toast was overflowing with the old class spirit of the freshman days, and ended in a rousing class yell.

Mr. Hahn responded to the second toast, one of the best of the evening on "Losses and Gains."

The third, "Reminiscences," was well responded to by Mr. Dodge.

The toast on "Scraps" by Mr. Wright was very bright and interesting, and the last toast, "Looking Forward," was exceptionally well written and delivered by Miss Skeels. In closing all gave the college yell with unusual enthusiasm.

The music for the reception, banquet, and dance at the Armory was furnished by Mr. J. H. Prost, who secured Prof. Martin, leader of the Germanian Orchestra, and his musicians, of Battle Creek, to assist him. A splendid program was furnished and the music was pronounced perfect by every one.

The only unusual occurrence of the evening was the unexpected and sudden entrance of a few sleepy chickens, doubtlessly sent as representatives of the Sophomore class, but they were not allowed to remain long enough to mar the proceedings.

Almost before any one realized, it was three o'clock, and the chaperones were as reluctant as any to miss the extras on the program.

All left with a spirit of good fellowship for old naughty four alive in their hearts, feeling that the whole affair was a complete success.

DEBATING CLUB.

The subject, "Resolved, that the immediate admission of New Mexico, Arizona and Oklahoma will further the interests of both territories and nation," was debated at the last meeting of the Debating Club. Messrs. Morton and Dey upheld the affirmative. Messrs. Drake and J. M. Churchill, the negative. The affirmative won the debate.

Little Jeff. Weil, the infant son of Prof. and Mrs. C. L. Weil died yesterday afternoon after a long and serious illness. Notwithstanding the fact that the little boy had passed through many weeks of sickness, the end came unexpectedly. Mr. and Mrs. Weil have the sympathy of the entire College community. [Funeral private.]

Instructor Michels is doing all in his power to make the butter-scoring contest, proposed at the recent dairy meeting, a success. From all indications, at least two-hundred creamery butter-makers and private dairymen will enter this contest, which begins next May and continues through October. The plan is to have each contestant send each month to a cold storage plant in Lansing twenty pounds of butter to be passed upon by a commercial judge. The defects in quality, if any, will be noted in each case and returned to the contestant for his instruction. The medals offered by Gov. Bliss will go to the two contestants having the highest average of scores, one medal being offered for excellence in creamery butter, the other for excellence in butter made in the private dairy. The State Board has appropriated \$150 to help on the contest which is to be conducted by the College.

ALUMNI.

'68. The *New England Homestead* has the following interesting item to say in regard to an M. A. C. alumnus: The election of Prof. A. G. Gully of the Connecticut agricultural college as president of the Connecticut pomological society is a well deserved tribute. Prof. Gully has been a hard working member of the society and has done much to advance the fruit interests of Connecticut, not only throughout the state, but to call the attention of the country at large to the horticultural industry here. He was in charge of Connecticut's horticultural display at the Pan-American exposition at Buffalo, and from the opening to the close of the exposition, he kept on the tables a large and varied collection of the fruits and horticultural products of the state.

'84. Mr. R. J. Coryell, landscape gardener, is located at Colorado Springs. He has a large greenhouse in connection with his work in landscape gardening. Mr. Coryell is anxious to secure a florist and can pay \$50 a month for the right man.

'89. Mr. Will Curtis is publisher of the *Star-Courier*, Kewanee, Ill. This paper has a larger circulation than any other paper of the city.

'89. Ray Stannard Baker gave a toast, "Fact and Fiction," at the eighteenth annual banquet of the Lansing U and I club last week. The annual banquet was held at the residence of Mr. A. O. Bement.

'93. W. W. Parker spent an afternoon at the College last week. Mr. Parker is now in charge of a starch factory in Jackson. He expects to leave soon for Tacoma, Washington, where he will start another factory.

'75. Judge Carpenter, of the supreme court, went to Detroit Saturday evening to attend a meeting of the Witenagemote Club, of which he is a member.

'02. It is not generally known that Messrs. Bennett, Horton and Owen were offered, through the recommendation of the College Military Department, commissions as second lieutenants in the regular army provided all examinations were passed. This certainly speaks well for the work done under Major Vernou.

'02. Mr. W. J. Geib is now located in Tuscaloosa, Alabama, in the interests of the National Publishing Co.

'02m. R. W. Case has secured a very desirable position with the city engineer of Los Angeles, California. Los Angeles is a growing city, having at present a population of 100,000.

'02. H. Earl Young is associate editor of the *Farmers' Guide*, published at Huntington, Ind. This paper is the leading agricultural journal of the state and has a large circulation. Mr. Young's address is 58 S. Jefferson St.

THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE
COLLEGE YEAR BY THE
MICHIGAN STATE AGRICULTURAL COLLEGE

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TUESDAY, FEB. 24, 1903.

A WRITER in the February *Macmillan's Magazine*, Mr. W. Beach Thomas, says some interesting things in an article entitled "The Rhodes Scholars." Mr. Thomas says, in effect, that when the Rhodes Scholarships were first announced, the flippant undergraduate of Oxford pictured to himself the rude invasion of Oxford's classic traditions by American backwoods-men accompanied by their aunts and uncles, all of whom would subsist on the 300 pounds, the amount of each scholarship fund. This view alternated with pessimism and the feeling of Oxford men at the present time is that the obligations conferred are greater than the privileges. As Mr. Thomas says, to return, somewhat, to the flippant view, "Oxford men feel a personal jealousy; for they, at the most, can receive scholarships amounting in each case only to 100 pounds, while each foreigner receives by the Rhodes provision 300 pounds. Why should this standard be debased by the granting of 300 pounds to all manner of aborigines, who if they had had a nodding acquaintance with *tamias* would never have heard "the doctrine of the enclitic *Dé*."

The feeling of Oxford to the American stranger is like the feeling the monks held toward the outside world.

We admire with awe

The exulting thunder of your race;

You give the universe your law

You triumph over time and space!

Your pride of life, your tireless powers

We laud them but they are not ours.

It is not for Americans to pass all this by heedlessly because, forsooth, it is the "English idea." America is the experiment of nineteenth century civilization, and in the process of discovering itself, has given evidence, necessarily, of many imperfections. In days gone by Dickens, Matthew Arnold, Carlyle, and Ruskin pointed out many of these crudities, and recently Mr. Wu Ting Fang and others have said frank things that Americans might well profit by. The Spanish war re-

vealed the Spirit of Americanism, as one may please to phrase it, but this spirit is still rather an intangible quantity.

America has been and still continues to be the land of opportunity and so, also has it been and does it continue to be the land of vandalism. The average American, with the characteristic and hasty logic of the extreme Occidental, supposes innovation and progress to mean one and the same thing. The race characteristics in the average American partake of the race characteristics of the average Englishman and the average Frenchman; he is less hard-fisted than the one, and less mercurial than the other. Lacking in tradition, America compensates itself in striving for the immediate accomplishment of its purposes. America will give a passing thought to the English criticism and straightway forget about it. The Rhodes scholars will scarcely understand Oxford traditions—and perhaps it is unnecessary that they should.

CIRCULAR IN MEMORIAM OF THE LATE DR. KEDZIE.

The Military order of the Loyal Legion of the United States, commandery of the State of Michigan, has printed a circular "In Memoriam of Companion Dr. Robert Clark Kedzie." It is a great honor to be a member of the Loyal legion and the tribute paid to Dr. Kedzie is worthy of notice.

The data of his military career as given by the circular is as follows: He was mustered in as Assistant Surgeon of the Twelfth Michigan Infantry, Jan. 15, 1862; was promoted and mustered in as surgeon of the regiment April 25th, 1862 and was discharged for disability October 8, 1862. He was in the battle of Iuka September 19, 1862, and other minor engagements. His military career though brief was strenuous. Except in battles there is no time in the history of a regiment when a surgeon's greatest activity and skill are more in requisition than during the first few months after the regiment's enlistment. His military life was without stain or blemish; as was also his life as a civilian. We may not here recount his many triumphs in his chosen field of science, where the highest success rewarded his indefatigable labor.

In the army, in private life, in his intercourse with his companions of the Loyal Legion, his character shone upon all with an undimmed lustre. He was an inspiration of good to us all. He believed that drunkenness, dissipation, or excess of any kind by a soldier of the Republic disgraces the uniform he wears and the flag he serves under. Patriotism finds its highest ideals in the soldier of temperate habits, of manly virtues, of morality and obedience to the laws of God and of his country. This ideal is found in the life and character of our companion. He was just such a man as is needed in our institutions of learning in these days of municipal corruption, bribery and immorality. Such men leave their impress for honor and for the welfare of our country to be transmitted from generation to generation.

He was elected a companion of the First Class in this Order through the Michigan Commandery June 2, 1898. His insignia was 12266.

LIBRARY ADDITIONS.

TEXTS ON HISTORY AND ECONOMICS
ADDED TO THE LIBRARY.

"Government and the State." Frederic Wood. A description of the more inward aspects of a society organized for political purposes together with a description of the general organs of political expression. Putnams.

"Germany; The Wielding of a World Power," by Wolf Van Shierbrand. An analysis is given of the elements which have contributed to put the German State in its present exalted position among the powers. Doubleday Page & Co.

"Philosophy and Political Economy," James Bonar. This work undertakes to show the relations of economics to philosophy—how they supplement each other—throughout the whole of the history of each. Sannenschein.

"Essays, Historical and Political," John Fiske. Essays which were to have formed parts of a general history of the American people on such subjects as Chas. Lee, Alex. Hamilton, Andrew Jackson, The Boston Tea Party, and the Fall of New France. 2 vol. MacMillans.

"Funds and Their Uses," Fred Cleveland. This is a study of the holding and employment of capital together with descriptions of the forms of commercial paper currently used. D. C. Appleton.

"The Modern Corporation," Thos. Conyngton. A brief description of the elementary aspects of corporations. Ronald Press.

"The Pit and the Octopus," Frank Norris. First two of a trilogy of novels on wheat. The Octopus exhibits the connection of railroads with wheat; the Pit exhibits wheat as a board of trade commodity. Doubleday.

"Speculation on Stock and Produce Exchanges in the U. S.," H. C. Emery. A study of the history and methods of boards of trade.—Columbia University Studies.

"State Railroad Control," Frank Dixon. An account of the history and operations of State railroad commissions with especial reference to Iowa.—Crowell.

"American Municipal Progress," Chas. Zeublin. An account of the development of public utilities in our cities.—MacMillan.

'01. R. L. Brown, who is taking a short vacation at his home, will assume charge about the first of April of a large dairy farm in the Upper Peninsula.

ASSOCIATION NOTES.

Y. M. C. A. NOTES.

A. C. Miller led the Thursday evening prayer meeting. Theme, "Our fellowship." It is Christ's purpose that we shall have fellowship one with another, for "if we walk in the light, as he is in the light, we have fellowship one with another and the blood of Jesus Christ his Son, cleanseth us from all sin."

The annual election of officers for the Y. M. C. A. occurred Thursday evening after prayer meeting. The following officers were elected for the ensuing year: President, John Decker; Vice President, R. A. Burpee; Recording Secretary, E. N. Bates; Corresponding Secretary, H. N. Hornbeck; Treasurer, Edward Balbach, Janitor, H. H. Crosby.

Chapel services Sunday morning were conducted by Dr. R. C. Dodds. Text, Psalms 139:2, the last clause: "Thou knowest my down sitting and my uprising, thou understandest my thoughts afar off."

The service was fairly well attended, and the interest was good. The sermon was ably prepared and full of valuable truths with reference to thoughts, their source and control.

The union meeting of the Y. W. and Y. M. C. A. Sunday evening was conducted by Mr. Howard Severance. Theme: "Testing the promises." Every individual in life must test the promises of God for himself, no one can do this for him. All the promises have been tested again and again by many people who have passed off the stage of action, and are being tested by those still living, and they have always stood the test and will to the end.

The students in the special cheese course have got nicely started in their work. Their names are O. L. Bristol, St. Johns; C. F. Davis, North Salem, Ind.; J. B. Gilbert, Union City; M. C. Johnson, Butter-nut; G. B. Pershing, Eureka; A. Powell, Birch Run; Roland Satter-lee, Vernon; H. M. Schmidt, Saginaw; J. Shellan, Frankemuth; L. C. Wadsworth, Petersburg; Andrew L. Foster, Vassar; E. D. Pur-ance, Algonac; Frederick Schmidt, Algonac.

A University of Chicago girl recently cleared four feet one inch in the high jump.

Purdue University is striving to obtain increased gymnasium facilities.

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ABOUT THE CAMPUS.

Mr. P. M. Lyman received a visit from his father the latter part of the week.

Mrs. Dr. C. E. Marshall and Mrs. Prof. U. P. Hedrick gave a musicale last week to their friends at the home of Mrs. Marshall.

The Phi Delta society gave an eleven o'clock party Saturday night, after which those returning to Lansing enjoyed a sleigh ride.

The Phi Delta society have just completed extensive repairs in their rooms, including a new hardwood floor, and many new decorations.

Mr. Longyear has done very successful work in coloring lantern slides. The slides he has colored represent various fungus diseases on fruits, leaves and twigs.

The State Oratorical contest takes place March 26th, at Olivet and all manuscripts must be in by March 11th. These dates are made necessary by the fact that the Interstate contest occurs May 1.

The catalogue will probably be printed at an earlier date this year than have been the catalogues of previous years. It will be well for each one whose name appears in last year's catalogue to see to it that no errors in spelling names occur.

The *American Real Estate Journal*, which is published in Ann Arbor, and which has a wide circulation over the United States, had in the January issue a description of the College, illustrated by several cuts. Dr. E. D. Brooks, '76, is the editor of this paper.

Prof. Reynolds was unable to meet his classes during a part of last week.

A current number of the Alpha Zeta Journal contains an excellently written article descriptive of the College and the local chapter.

The horticultural department made the most of the zero weather of last week and put up a considerable quantity of ice. The ice was about eight inches thick.

The Owosso Farmers' Institute is now in session, and several from the College will be in attendance. There are a few county institutes to take place, however, delay in carrying out the programs on scheduled time in a few communities being caused by small-pox.

To those who delight in looking over statistics it may be of interest to know that about \$100 goes up daily in coal smoke at the College. Figuring on this basis, it is not wide of the mark to say, that to keep students and the teaching force warm each day, it costs about twelve and one-half cents for each person.

Mr. Henry M. Geller has been notified by the Austrian consul at Chicago that he may be called soon to Europe to enter the Roumanian army because of the Macedonian trouble. Mr. Geller will await the second summons, however, and provided he returns to Europe, he will be given a second lieutenant's commission in the Roumanian army. Mr. Geller was formerly an officer in the regiment that formed the body guard of Queen Carmen Sylva.

The basketball team will possibly play Hillsdale at Hillsdale next Friday evening.

Instructor Kocher is helping out the mathematical department for a short time because of the enforced absence of Instructor Gardner.

Master Harris Collingwood has troubles peculiar to himself, his cause of annoyance being that he owns a slot machine which can be "worked."

The United States Post Office Department has made an important decision that affects the College. By this decision the annual catalogue can no longer be mailed as a bulletin. It is possible that several hundred dollars for back postage will have to be expended.

The Minnesota basketball team will make a trip east in about a month. As they are to pass through Michigan an effort will be made to arrange an M. A. C.-Minnesota game. The Minnesota team is the champion team of the United States and plays a fast, aggressive game. Last year they were not defeated during the season, although Yale held them to a small score.

The Natural History Society had a very interesting meeting last week. Dr. Beal gave a very interesting talk on Agassiz, under whom he was a student at Harvard. It was the way of Agassiz to set a student to work and leave him to his own resources, simply telling him "this is right" and "that's wrong." Mr. Morton Barrows talked entertainingly about mimicry in insects and birds.

The Faculty Kids have formed a club, the object being to further the advancement of science and the literary arts. At present there are eight members.

Major Vernou has recently had gun racks fitted up for Companies A and B. He has also had the old boiler room fitted up as a dressing room for the use of students residing at Lansing. As per schedule the sophomore, junior and senior classmen appeared for drill last week. The sub-freshmen and freshmen have been drilling the entire year. When the companies lined up they reached nearly the entire length of the armory. It seems to be quite a serious problem for Major Vernou to know how to handle so many men to the best advantage, as the armory though quite large is not of sufficient size to accommodate the increased attendance at the College. The freshmen have made very commendable progress and those who are capable of judging believe they have a greater degree of proficiency in the manual of arms than had the same classmen at this time last year. The remainder of the term's work will consist of platoon drill and guard mounting. The battalion drill has been the pride of the institution for the past two years but next spring bids fair to see a larger and better drilled battalion than has been seen in either of the two previous years. Major Vernou is issuing commissions to all commissioned and non-commissioned officers, which is a new feature of the department.

NORTON'S HARDWARE

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C. D. WOODBURY, Hollister Block.

OWOSSO PROGRAM.

A few of the features of the Owosso Institute were given last week. For the benefit of those who will attend from the College the remainder of the program, minus the non-essentials, is given.

Wednesday afternoon, 1 o'clock. The Puddling of Soil, Prof. J. A. Jeffery. New Fodders and Forage Crops, Prof. C. D. Smith. Diseases of the Dairy Cow, Dr. G. W. Dunphy. Diseases of the Horse, Dr. H. F. Palmer. Parasitic Diseases of Sheep, Dr. G. A. Waterman.

Wednesday evening, 7:00 o'clock. —Trusts, Prof. H. C. Adams. A Campaign for Rural Progress, Prof. Kenyon L. Butterfield. The Torrens System, Hon. A. B. Cook. Indeterminate Sentences for Criminals, Prof. C. H. Cooley.

Thursday forenoon, 9:00 o'clock. —The Dairy Cow, Prof. Charles S. Plumb, Ohio State University. Feeding and Care of the Dairy Herd, Hon. Geo. F. Richardson, Grand Rapids. Building up a Dairy Herd, Hon. James W. Helme, Adrian. Practical Suggestions Regarding Real Property Law, Prof. H. B. Hutchins, Ann Arbor.

Each paper will be followed by a discussion.

Thursday afternoon, 1:00 o'clock. —Profitable Pork Production, Prof. Chas. S. Plumb, Ohio State University, Columbus. Feeding Beef Cattle, Prof. R. S. Shaw. Experiments in Sheep Feeding, W. P. Snyder. The Centralized School Question, Hon. A. E. Palmer, Kalkaska. A general discussion will follow each of the papers.

Thursday evening, 7:00 o'clock. —Farming and Education, Pres. James B. Angell, Ann Arbor. The Preparation of Teachers for Rural Schools, Pres. J. L. Snyder. Rural Schools as They are and as They Should be (Illustrated), Prof. Orville T. Bright, Chicago. Superintendent of Schools, Cook Co., Ill.

FROM REPRESENTATIVE SMITH.

An examination will be held at the court house in the city of Pontiac, Oakland county, Michigan, Wednesday and Thursday, March eighteenth and nineteenth, for the purpose of selecting one principal and five alternates to take an examination at Detroit the third Tuesday of April following, for the selection of a midshipman (formerly naval cadet) at Annapolis. The physical examination will begin promptly at nine a. m. the first day, and those who pass the physical examination will be admitted to the mental examination.

It is suggested that all applicants at once take a physical examination, and with special reference to their eyes, ears, and nose. The mental examination at Pontiac will embrace the subjects, geography, U. S. history, grammar, algebra, arithmetic, punctuation, geometry, world's history, and spelling.

S. W. SMITH.

'90. In a recent issue of *Colman's Rural World*, a St. Louis publication, Prof. F. B. Mumford answers at some length the question, "What does education do for the farmer?" Among other things he says: "The young agricultural college graduate is at no greater disadvantage because of lack of capital

than is the case in any other commercial enterprise. A lack of capital is a handicap on any man's success. No class of business men in society are better financial risks than farmers. If money lenders are more willing to loan money to farmers than for other business enterprises, it must be that farming is a safer business.

"The great mass of farmers have not yet come to realize that the instruction given at an agricultural college is not the same as the education received by our fathers. The great mass of farmers do not yet appreciate the fact that all the various operations of the farm,—planting, sowing and reaping of crops, the judging, breeding, feeding and handling of live stock, the manufacture of butter and cheese, the growing of fruits and flowers, and all the other operations to be found on the ordinary farm,—are taught at the agricultural colleges, and to say that these facts about every day business of the farmer tend to drive him from the farm, is not true. After all, the value of an agricultural education should not be judged by comparing it with the professional skill of other men. The proper comparison is having given an individual whose life work is to be devoted to agriculture—what are the chances for his success in life with and without the advantages of an agricultural education? The writer of this article is personally acquainted with hundreds of practical farmers, graduates of agricultural colleges, and he has yet to hear of one who regrets in any sense the fact that he had early in life the opportunity of acquiring his education at an agricultural college."

There have recently been acquired several very handy pieces of apparatus in the chemical laboratory of the experiment station. The electric bath for evaporating ether is conspicuous among these. Formerly when ether was to be evaporated the process had to be suspended at night, but with the constant temperature now obtained by the electric current the process can continue by night as well as by day, for there is no danger of explosion. There are also several electrically heated drying ovens of great convenience. One of these heated by an incandescent lamp is so regulated that it does not vary more than one-fourth of one degree.

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