He Gives Them Gas.

The following letter describing the method used in Illinois, in fighting the San Jose scale, will be doubly interesting to the readers of the RECORD. E. C. Green, '97, is personally known to many of them.

Mr. X. states that he started working the San Jose scale, with hydrocyanic acid gas. He says that at present, he has charge of the field work against the San Jose scale. Three gangs of men have been at work during the winter. Two spraying outfits are thus managed, and one tent outfit for the treatment with hydrocyanic acid gas. The latter is the newer method and proves to be more interesting, more thorough and more costly than the former. The gas treatment used here is similar to that in California. What is known as the 'sheet' tent is used. This is a piece of 8 or 10 oz. duck, oval in shape and painted white, which is hoisted to make it gas tight. There were in the field at one time 37 tents of this sort and ten 'peepers' tents. The 37 are of three sizes, 20 are 38 x 32 ft., 10 are 40 x 48 ft., and 7 are 50 x 60 ft. The tents are lifted over the trees by means of poles and pulleys. With the smaller tents one 16 ft. pole will lift the tent high enough to cover a tree of its capacity, but with the larger tents two or three 16 ft. poles are necessary. In the latter case the poles are set one on each side of the tree, the bases of the poles being steadied by means of guy ropes. Ropes running through pulleys at the top of the poles are tied to the edge of the canvas, which is then pulled to the top and there fastened. A strong pull on the guy ropes will start the tent out of the tree and, after the ropes are detached and the tent skirts drawn in, the tree is ready for fumigation. A common chlorine generator is used for the production of hydrocyanic acid. In this process acid sulfuric is used as raw material in the gas for fumigation. Cyanide of potassium crystals, in sufficient amount to make a 0.2 per cent. gas, are then dropped into the dilute acid. Forty minutes is considered the right amount of time to leave the gas beneath the tent.

"Although his gas is very deadly, no serious accident has occurred in its use. My foreman stopped under a tent a moment too long one day and spent the succeeding hour sitting on a rolled up tent next by, with his head in his hands, as though engaged in deep and serious reflection. The chance to retract."

Next morning I received word from the gentlemen to come see the plant. His place was treated with further fumigation."

E. C. Green, '97.

Farming News.

In the Soil Physics laboratory, Prof. Jefferies, by offering to his equipment a set of six brass soil sieves with a range of mesh running from six to one hundred mesh, has added one of the most attractive on the campus.

Experiments on Muck.

The Agricultural Department of the Experiment Station is planning experiments on a number of the marsh or muck lands of the state. Four or five localities are being considered for the work and the plan will follow in the line already under way in Field 13 on the College farm. This experiment so far indicates that these muck lands are benefited by any application which will supply the mineral elements of plant growth. Ashes, leached or un-leached, sand, and potash in any form have given encouraging results. Stable manure has given the largest yields, while a home mixed fertilizer has improved slightly the weight of product. Air-slaked lime has so far given very indifferent results. Prof. Prof. Jefferies has produced a higher yield than one ton.

The Station will yet consider one or two more localities for the conduct of muck experiments. The Experiment Station will plan the work, furnish the fertilizers, up to the point of application and furnish instructions for planting, cultivating and harvesting the crop. The farmer furnishes the soil, the seed, and in any form he can arrange that the experiment is conducted.

Some of the soil test experiments began last year will be continued during the coming season.

A recently discovered copy of the first English edition of the work, "Hamlet," is sold in London for $8,500. It comes from Belgium, and has been out of England for two centuries.
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Two Apple Cankers.
During the past two years Prof. Wendell Paddock, '93, Assistant Horticulturist of the New York Experiment Station, and Prof. A. B. Cordley, '88, Entomologist of the Oregon Experiment Station, have been independently studying what the fruit growers of New York and Oregon have been called "apple cankers."] Careful examination of the infected trees has convinced them that the western form of the disease is quite distinct from the one that is found in the east, and that both are due to fungi.

Prof. Paddock had completed the results of his investigations as a thesis for a Master's degree. They have also been accepted as a bulletin by the New York Experiment Station and in the Proceedings of the Western New York Horticultural Society, besides numerous periodicals.

NEW YORK APPLE CANKER.
The New York apple canker is caused by the same fungus as pome- dents' drawings for one term only

A Reverie.

In the summer when you have become weary of the worries and cares of your professional business career, and feel that life is not worth living, take a trip into the forests of this State and you will re-
mind so silently. But that self same

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When Newton saw an apple fall, he found
In that slight startle from his contemplation
"Tis said (for I'll not answer above ground
For any sage's creed or calculation)
A mode of proving that the earth turn'd
In most natural whirl, called gravitation;
And this is the sole mortal who could
Since Adam, with a fall, or with an apple.

At College.

Vacation! Vacation!
The spring term opens Monday night, April 2.
Prof. Smith lectured at Penfield last Friday evening.
Most of the faculty remain at the college during vacation.
S. F. Edwards will spend the vacation at his home in Milan.
The robin is again to be seen; we trust he will not have occasion to regret his early return.
E. T. Williams will spend the vacation with his former "pard," F. L. Woodworth, at Caseville.

Found! near the rustic bridge, a lady's pearl handled pen-knife; loser call at the president's office.
Dr. Marshall will go to Quincy this week to investigate bacteriologically, an apparently contagious disease among sheep.
The rooms and corridors in the west ward of Well's are being refloored with hard wood flooring. Students are doing the work.
D. J. Crosby was one of the judges at the Jackson Co. High School Oratorical Contest, held at Springport, last Friday evening.
The work on the Women's Building is being pushed as fast as the weather will permit. Forty men are at work at present.
The Botanical Club at its last meeting elected R. L. Brown, president, W. S. Palmer, vice president, and Miss Emma Miller, secretary.
Mrs. Haner and eight of the young women, whose homes are in the northern part of the State, will remain at Abbot during the vacation.

Of 150 eggs placed in the Cypher incubator Feb. 26, 81 were found to be unfertile and 4 were broken, but of the 95 fertile eggs, 77 were hatched.
Quite a large number of the students remain at the college during the vacation; some, because their homes are at a distance, others, to replenish their pocket-books.
The cinerarias, primroses and other flowers are in full bloom. The rooms alone will pay ten per cent. on entire line of Flannelette Night Robes.

THE WOLVERINE

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Students' Patronage Solicited.

Selling the following class day officers: Orator, F. W. Dodge, Lansing; prophet, Miss Irma Thompson, Lansing; historian, G. M. Oldham, Grand Rapids; editor class paper, C. H. Parker, Grand Blanc.
The following base-ball schedule has been arranged for the coming term: April 21, M. A. C, at Hillsdale; April 28, D. A. C, at M. A. C; April 30, Olivet, at M. A. C; May 5, Ypsilanti, at M. A. C; May 7, Adrian, at M. A. C; May 11, M. A. C, at Adrian; May 12, M. A. C, with D. A. C, in Detroit; May 14, Alma at M. A. C; May 19, M. A. C, at Ypsilanti; May 21, Hillsdale, at M. A. C; May 26, Kalamazoo, at M. A. C; May 28, M. A. C, at Olivet. The games with Hillsdale, Ypsilanti and Kalamazoo only, will count in making up the percentage in the contest for the cup at field day, June 1 and 2.

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An essay on corn
There are two kinds of corn—the Indian corn, grown in the ground, and the anatomical corn, grown on the foot. One is measured by acres and the other by shanks. Indian corn is shucked, but if a man tells you that a human corn won't amount to shucks, he's a liar in six languages. If you want to raise a crop of anatomical corn, wear a pair of poorly fitted two-for-a-dollar, wear-out-in-an-hour pair of shoes.

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News from Graduates and Students.

Eddy J. Gunson, with '60, is a moulder with E. Benck's Sons, of Lansing, Mich.

Thos. C. Lewis, with '90, is draughting for the Michigan Vapor Steam Co., at Grand Rapids.

William B. Weddle, with '75, is a dealer in paints and brushes at 33 East 21st St., New York City.

Howard E. Weed, '85, is land and industrial agent for the Central of Georgia Railway Co. at Savannah, Ga.

A. E. Wallace, with '90, is employed in a mill in connection with a mining camp at Ballarat, Calif.

E. E. Gallego, with '95, is principal of the Hanover schools, and will remain another year at an increased salary.


H. C. Skeels, '95, has changed his address but has not vacated his, Joliet, Ill. He is still in charge of the Higinothion Park.

C. P. Close, '95, writes from Logan, Utah, that everything is moving along nicely with him and that he is enjoying his college work.

Clarence H. Judson, '86, who has been connected with the L. S. & M. S. Ry. since 1890, has been promoted to resident engineer, Toledo, Ohio.

W. K. Brainard, '93, is foreman of the dairy farm at Cross River, Westchester Co., New York, where 175 Holstein cows are kept. He is well pleased with his prospects.

Clark Hubbell, '88, writes from Dawson, Y. T., where he has been promotoined to one of the highest grades in the Treasury department.

L. C. Himebaugh, '89, is employed in the Pension Bureau, Washington, D. C. A. D. Himebaugh, '93, is secretary and treasurer of the Sheffeld Manufacturing Co., Berr Oak, Mich. These two, with A. C. Himebaugh, '96, mentioned in last week's Record, and R. L. and R. C. Himebaugh, '02, students at the present time, make five brothers that have attended the College at different times. A very good indication of the value the family places upon a college education.

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