

INSECTS THAT INJURE THE APPLE TREES

The most destructive insect injuring the apple is the codling moth. The egg of this moth is laid on the blossom end of the young apple. As soon as it hatches it eats its way into the apple, living there until it reaches maturity. To destroy this insect spray with some form of arsenic when the apples are about as big as peas. Follow this spraying with another in two or three weeks.

The round-headed and flat-headed borers are rather baffling insects, since they cut channels under the bark and hence are hard to reach. Go through the orchard and cut them out with a sharp knife. You can tell where they work by the saw dust left after them. Apply to the trunks of the trees a wash of crude carbolic acid, soap, water and a little Paris green about the first of June to aid in their destruction.

The San Jose and Oyster Shell scale or louse must be watched or much damage to trees is likely to occur. This is a sucking insect and the emulsions are effective remedies. Limbs of trees may be scraped during the winter months and then washed with a solution of crude carbolic acid, soap and water. Plum trees, pear trees and nearly all fruit trees are injured by this insect.

There are many other insects injuring the apple trees and their fruit such as apple aphis, apple tree tent caterpillar, bud worm, etc., which are not so prevalent in orchards nor so injurious as those given above. The emulsion given above will destroy the aphis and the mixtures containing arsenic are effective for all others. It must be remembered, however, that the birds are the friends of the orchardists and that a limb covered with tent caterpillars or canker worms is easily destroyed by being cut off and burned, thus preventing the infection of other trees.

Many apple trees are denuded by the canker or measuring worm. One can tell this insect by his loping way of crawling. Jar the tree and they will fall toward the ground, hanging to a web. When all is quiet they ascend to the limbs again on the thread. Spray with Paris green or London Purple. Tar the base of the tree to prevent the ascent of the egg-laying moths. Birds eat great numbers of this worm.

EXCELSIOR SOCIETY

The Excelsior Literary Society held a special meeting on the evening of the 8th. It was a lively meeting from beginning to end. An interesting debate about an auditing committee took place and ended by an amendment being made to the constitution to the effect that an auditing committee be appointed. The advisory member gave an excellent talk and some helpful advise and then we adjourned.—Logan Fann, Reporter.

REPORTER'S NOTES

By Robert Downie

Last week the carpenters made some improvements at the dining hall.

Mr. Motanic of Eastern Oregon visited his daughter Mary on Thursday.

The Excelsiors entertained a large crowd last Friday evening at the gym. Everyone enjoyed themselves.

George Lekanoff manufactured four settees and eight chairs for use at Winona Hall. George is a good hard worker and did the job up in good shape.

The Excelsiors were the first of the literary societies to contribute to the Red Cross at Chemawa and they are proud that they are to help this good cause along.

Chemawa beat the Willamette University ball team by a score of 1--0 last Wednesday. Our team is composed of mostly new men but is doing creditable work and expect a good season.

The Excelsiors are very grateful to Mrs. Brewer and Miss Lemley for the service which they offered in making the Excelsior party a success. These ladies are always willing to lend a helping hand.

On Thursday last Michael Anderson and John Munson left for San Francisco from which place they will sail for Alaska. These two boys were both popular in the band and they will be missed a great deal.

Frank Chamberlin, former night engineer, is now working during the day, assistant to Mr. Blessing. He relieved Mr. Pendergrass who left recently for Montana. Albert Hayes now has charge of the night force.

PUPILS' ITEMS

The painters are busy painting the root house.

The prevocational classes changed details Monday.

The gardeners are busy hoeing around the young onions.

We are all glad to see the buds coming out on the maple trees.

Fred Jackson, a former student who is now in the navy, visited the school on Wednesday.

The sixth grade pupils went for a walk Tuesday evening after supper. We all appreciate these walks.

Mrs. Perkins, former matron, visited the school on Wednesday. The girls were all glad to see her again.

Lawrence Tillotson, one of our vocational engineers, takes great interest in his work and is doing well.

Charles Viero, a former student who is now a captain on one of the boats up on the Puget Sound, visited the school last week.

The gardeners are hoeing the strawberry patch, getting all the weeds out of it. We are going to have some good berries this year.

Albert Hayes, a vocational engineer, has charge of the night work at the power plant now. Albert is a good student and can handle the work.