

DEMONSTRATION SPRAYING FOR CODLING MOTH

(By A. L. Quaintance, in Charge of Deciduous Fruit Insect Investigations, Department of Agriculture.)

The five sprayed Winesap trees gave a yield of 18 barrels of No. 1 apples, one barrel of No. 2's, and one-half barrel of culls. The price received for these grades of red fruit was \$3.25, \$2, and \$1.75, respectively, per barrel. This gives a total receipt of \$61.35 for the five sprayed trees or \$12.27 per tree. This, minus 49 cents, the cost of spraying, leaves a net return of \$11.78 per tree. The yield of the five unsprayed trees was 1-4 barrels of No. 1 apples, 1 barrel of No. 2's and three barrels of culls, giving a total return of \$11.31 for the five trees, or \$2.26 per tree, leaving a difference of \$9.25 as a net gain per tree in favor of the sprayed trees.

The net gain was even more favorable with the Yellow Newtown Pippin variety, the five sprayed trees yielding 20 1-2 barrels of No. 1 apples, one barrel of No. 2's and one-half barrel of culls. The prices received for these grades of this variety were \$4.25, \$3 and \$1.75 respectively, per barrel, giving a total of \$99.97 for the five trees, or \$19.99 per tree. This, minus 49 cents, the cost of spraying, leaves a net return of \$17.70 per tree. The five unsprayed trees gave only 1-3-4 barrels of No. 1 apples, two barrels of No. 2's and 7 1-2 barrels of culls; at the same price this gives a total of \$29.12 for the fruit from the five unsprayed trees, or \$5.82 per tree, leaving a difference for the sprayed trees of \$11.88 net gain per tree.

Demonstration Spraying in Pennsylvania in 1907.

The apple orchard used in this demonstration is situated on a high bluff along the shore of Lake Erie about a mile north of the village of North East, Pa. It is bounded on three sides by steep banks, with wood on the north and east, and open on the south and west. There are about 250 trees in the orchard, consisting mainly of Baldwins, with several rows of Greenings on the north side which were not used in the work. The trees are not about 30 years old; most of them about 25 feet high, with corresponding spread of limbs.

Previous to the spring of 1907 the orchard had been in sod for many years, and no pruning had been done for a like period. The orchard was kept under observation during the summer of 1906, and the condition of the fruit at harvest time was care-

fully noted. Under the management to which the orchard had been subjected for many years, the grass had been cut for hay, no spraying had been done, and no fruit had been picked from the trees, although in 1906 the ground beneath a large number of them was covered with fallen fruit, indicating that a fair crop of fruit had set. Some of this fruit was picked up and sold at \$0.17 per hundredweight for cider-making purposes. Practically all of this fruit was injured by the codling moth and the plum curculio.

On September 5, 1906, a Baldwin tree was selected as fairly representing the condition of the trees in the orchard; and all of the fruit then on the ground was picked up and classified as to injury by codling moth and plum curculio, and all fruit which fell to the ground after this date and that picked at harvest time, was likewise classified.

The total picked and dropped fruit amounting in all to 2,766 apples, showed 95.62 per cent injury by the codling moth, and 62.55 per cent bearing egg and feeding punctures of the plum curculio.

The owner of the orchard, at the suggestion of the writer, decided to prune and cultivate the orchard in 1907, and it was placed at the disposal of the bureau of entomology for spraying experiments. The trees were pruned very early in the spring and the sod broken up and cultivated twice later in the summer. One hundred and fifty trees, all Baldwins, with the exception of a few scattered Astrachans, were laid out into 15-tree plots, including a check plot, and treated with Bordeaux mixture and an arsenical in a way to ascertain the value of applications at different dates. One of these plots received the usual "demonstration" treatment for that latitude, and it is from this plot and the check plot that the data to be given were obtained.

Three applications of spray were made: (First) June 10, immediately after petals fell; (second) July 2, three weeks later, when first eggs of codling moth were being deposited; (third) August 9, when adults were beginning to emerge and to deposit eggs for the second brood. The 5-5-3-5 formula was used—that is, 5 pounds copper sulphate, 5 pounds stone lime, 3 pounds arsenate of lead, and 50 gallons of water.

(To Be Continued.)

NO RACE SUICIDE TABLE ROCK COW

Bovine Gives Birth to Triplets—Teddy Should Write a Letter Commending Bossie For Her Efforts—

Triplet calves were born to a Jersey cow belonging to Mrs. B. Vincent of Table Rock last week, says the News of Gold Hill. They are all little fellows, with markings indicating that they are almost pure Jersey stock. They are of an exact size and cannot be told apart.

Twin calves are of not infrequent occurrence, but triplets are a rarity, and the fact that these are all alive and well makes their advent into the world something of a marvel. Dr. Chisholm, who saw the trio partaking of the sustenance which nature had provided and crowding each other for the best places at the table, describes the sight as one which it would be worth a nominal admission price to see.

The mother of the calves is a cow rather larger than the usual Jersey, but by no means a big animal. She appears to consider her achievement as being nothing out of the ordinary, or which couldn't be repeated if it was necessary to show that hers was not an accidental case of what can be done with stock in southern Oregon.

Upon his arrival at New York Roosevelt will be apprised of what has happened on the Table Rock ranch, and the colonel may be expected to write a letter commending Mrs. Vincent's cow for her effort to prevent bovine race suicide.

More Fighting in Nicaragua.
BLUEFIELDS, Nicaragua, June 6.—The government forces under General Chavarrias were routed at Rama today by the insurgents, led by General Menas, after fierce fighting. The loss of life was reported heavy and the battle is considered one of the most decisive of the rebellion.

Following his failure to capture Bluefields by assault, Madriz is determined to make a final stand at Rama. It is believed the Estrada forces will press him closely.

Today's battle came after General Menas had pursued the government army and forced the enemy to fight. The forces under Chavarrias retreated in disorder.

NOTICE TO CONTRACTORS AND BUILDERS.

Notice is hereby given that the board of directors of school district No. 49, Jackson county, Oregon, will receive bids for the erection of an annex to the Washington school, including a heating plant to be installed in the whole building, as per plans and specifications now on file in my office;

Also will receive bids for the erection of an East Side ward school building as per plans and specifications now on file in my office; all bids to be given separately, on mason work, wood work, electric work, plumbing and heating. All bids to be accompanied with certified check for 5 per cent of amount of bid. Board reserves the right to reject any and all bids.

ORIS CRAWFORD, Clerk.

Haskin's for Health.

WRIGHT'S INVESTMENTS

20 acres fine land, set to apples and pears, yearlings; one mile from Central Point; \$6000, half cash, easy terms on balance.

3 1/2 acres adjoining city, neat house and outbuildings, fine irrigation plant, splendid truck farm and subdivision proposition, at a bargain price for a few days.

Modern 7-room house on choice street, finely finished and a choice home for less than it will cost you to build. If you want a choice home let us show you this one.

3-room house, nice lot and fruit trees, in fine location; for quick sale, \$850.

Fine corner lot, close to Oakdale, in good location, for few days at \$450; it's a bargain.

Oak Ridge is the new addition where you get fine lots, with shade trees, and at right prices; 10 per cent cash and 10 per cent per month. Don't fail to "get in" on this and get your lots reserved.

3 fine lots, 56x112 1/2, in fine location, a money-making buy at \$365 each; \$100 cash will handle them.

J. Bruce Wright & Co.
132 WEST MAIN. PHONE 2091.

JUNE 14 NAMED AS FLAG DAY

Governor Benson Issues Proclamation Naming Tuesday, June 14, As Flag Day—All Should Display Old Glory.

In accordance with the usual custom Governor Benson has issued the following proclamation regarding Flag day:

"Whereas, the continental congress on June 14, 1777, selected the emblem which has ever since continued to be the flag of our country, and it is fitting and proper that a day be designated and set apart as 'Flag day' in order that suitable exercises may be held in the public and other schools and generally observed in commemoration of that event and for paying patriotic respect to our national emblem;

"Therefore, I, Frank W. Benson, as governor of the state of Oregon, do recommend that Tuesday, the 14th day of June, 1919, be observed not alone by the schools of the state, but by all of the people thereof, and I urge that the flag of our country be generally displayed on that day on all public and other buildings and places of business.

"Let us be mindful on Flag day of the sacrifice and devotion which have been given to make this country free and united, and let us resolve that in the days of peace our loyalty to its welfare may be none the less earnest.

"In witness whereof, I have hereunto set my hand and caused the great seal of the state to be affixed at Salem, the state capital, this 20th day of May, in the year of our Lord one thousand nine hundred and ten.

"FRANK W. BENSON,
Governor.

Knight Templars Notice.

Attention Knights Templars. A council of the Order of the Red Cross will be held Tuesday afternoon at 2:30 o'clock, also the orders of the temple will be conferred Wednesday and Thursday evenings at 8 o'clock. All knights are expected to be present.

D. B. GRANT, Commander.
R. A. E. SHERWIN, Recorder.

Medford's New Laundry to Start

Medford is to have a new laundry. All machinery is here and is being placed as fast as possible in the big building in the rear of 603 North Central avenue.

To Start Monday, June 13. The management intend starting everything in first-class shape to take care of all business that may come.

To Fill a Long Felt Need. This new laundry will fill a long felt need. It will be possible to get much better work now with a first-class plant.

Latest Machinery. The machinery is the very latest and so constructed that it is impossible to scorch or tear any garment. You should go and see this machinery and learn how the garments are protected.

Large Capacity. This laundry will have a capacity for a city of four times the present size of Medford.

Quick Service. One and two-day work will be a specialty, and everything will be laundered as near perfectly as possible before they are allowed to leave the laundry.

Orders Solicited. The wagons will solicit your orders and deliveries will be made promptly.

Mr. Paulson (the manager) of the Crater Lake Laundry company, said that the public were invited to call at any time and inspect the plant.

THAT'S IT!
NO MORE GRAY HAIR
NO MORE BALDHEADS
NO MORE DANDRUFF



R&G CORSETS
The new medium-back is a feature.

ATTEND BUT Portland's Rose Carnival

Do not buy your Furniture and Housefurnishings there before you have inspected our lines and prices. It is disloyal and unpatriotic to spend your money abroad when you can do as well or better in your home town. If you really have the interests of Medford at heart you will aim to do your trading here. You expect your merchants to be public-spirited; then give them a chance to supply your needs.

See us before going north and get our prices. Compare them in Portland with any and all if you like, quality for quality, style for style, and them come back and buy.

We sell Moarch Ranges, Rugs, Furniture, Lace Curtains, Draperies, Etc., as cheaply as they can be bought in Portland, the same grades and qualities.

We invite you to call and be convinced.

Cuthbert's

Complete House Furnishers

Temporarily at
WEST MAIN ST., Corner LAUREL
Next Washington School

Telephone
MAIN 1451

CHARMING STORY WRITER IS DEAD

"O. Henry," Known to Thousands Lays His Pen Down Forever—Was Foremost Short Story Artist in America—End Came Suddenly.

NEW YORK, June 6.—The funeral of William Sidney Porter, who wrote under the pen name of "O. Henry," will be held tomorrow from The Little Church Around the Corner. Interment will be at Ashesville, N. C. The writer died yesterday at Polytechnic Hospital after an operation.

O. Henry was known throughout the land to lovers of short stories. He began writing for a newspaper in

Texas. Later he wrote Sunday stories for a New York paper and after that gained fame as a short story writer for magazines. Before he became successful as a writer Porter was a cowboy, sheep-herder, druggist and traveller.

Indirectly though his journeys Porter took his pen name of O. Henry. Living in the languid tropical Central America, Porter acquired the easy-going ways of the residents. When he returned and began story-writing the Dolce Far Niente habit was strong and viewing his full name William Sidney Porter in that light he concluded that to write it and to read it would require too much exertion.

Thereupon Porter resolved to acquire a terse cognomen. While experimenting he discovered that the easiest letter in the alphabet for him to write was "O," then he decided "Henry" was a brief enough last name and as O. Henry he is known to thousands of readers. Mrs. Porter had been summoned

Porter's death was unexpected. when his condition changed for the worse but she did not arrive until after he had passed away.

MEN IN BRING WHEN THE TRANSPORT SAILS

SAN FRANCISCO, Cal., June 6.—When the transport Longan sailed for Manila today thirteen men of Battery C, Second Field Artillery, were prisoners in the brig as a result of a concerted break for shore leave Saturday night. Eighty men participated in the break. All reached shore in boats or by swimming and were subsequently rounded up by naval officers and police. It was late Sunday when the round-up was completed.

The man who ought to buy your property is as anxious to find you as you could possibly be to find him—and as he doubtless reads the ads, you'll be "meeting him half way" if you advertise.

CENTRAL POINT NEWSLETTER

Miss Elizabeth is at home for the vacation after closing a successful year's work in the Ashland public school.

Chalmers Gilmore, who recently sold his home place to John Brown, is about to build another home. Central Point is good enough for him.

J. D. Parker, accompanied by his little adopted daughter, Edna, starts for Lake City, Ia., on the 8th of June. They will spend a number of weeks visiting with relatives and former friends in that state.

Young Robert Holmes, familiarly known as "Bob," has temporarily turned over the Mall Tribune carrier list into the care of his younger brother, J. B., Jr., who is attending to the work with the utmost fidelity, while Bob is holding down a job on Harry Caton's ranch. This is the kind of wholesome stuff that most of the Central Point chaps are made of. May they all live to grow up.

Dave C. Grin, swathed in bandages and looking like a prize fighter after an unsuccessful battle, was on the street yesterday receiving congratulations on his lucky escape from what might easily have been a fatal fall.

Ferguson & Murray intend to operate a street sprinkler in Central Point this summer, which will indeed be a boon to be thankful for. It is understood that the local business men will back the enterprise.

Frank Weston and family have moved into Mrs. Minnie Peninger's house in this city, which they will occupy until their own home now being built, is ready for occupancy.

Professor F. F. Cooper is a gentleman of many versatile accomplishments, not all his ability being in the academic line. During the summer vacation he will sell butter, sugar, beans, stockings and calico across

the counter at Faber & McDonald's general store, and this he does with the ease and grace of the born salesman.

Miss Mabel Peart has accepted a position as bookkeeper for the Moore Lumber company in this city.

R. L. Sanders of Portland spent Sunday and Monday with his brother P. H. Sanders and family, who recently came here from St. Paul, Minn.

Central Point will have nearly four miles of water mains laid at the end of this week, and present indications are that the residents are going to be liberal patrons of the water system, almost every one of the new homes recently completed or under way having been piped and made ready for water connection.

The Hawk and Boswell families motored out to the ranch of B. Vincent one day last week to see the triplets that a prolific old "bossy" belonging to the above rancher has recently presented to the world. They are bright, handsome, well formed little fellows and the old bovine mother is as proud of her exploit as any human mother would be.

Letters received from Mrs. Fred Peninger, who with her husband and family lately moved to Eugene, state that their business venture there is full of promise, and that they are much pleased with their new home and surroundings.

About \$500 was raised at the tabernacle Sunday morning to cover the expense of carrying on the evangelistic meetings now in progress. The money was raised in about one-half hour and with little effort. That the meetings have been conducive of much good and are really "boosting the town" in more ways than simply in a religious one, is the consensus of opinion, and there were few people who were not inclined to give something to help along.

UNCLE SAM STANDS OUT FOR EIGHT-HOUR LAW

WASHINGTON D. C., June 6.—The house, sitting as a committee of the whole, this afternoon by a vote of 99 to 61 sustained a point of order on the amendment to the sundry bill forbidding the government to purchase supplies on contracts requiring the performance of more than eight hours' daily labor.

Pope Compliments Teddy.

ROME, June 6.—Pope Pius X today paid a compliment to former President Theodore Roosevelt. His holiness today received 30 officers and sailors of the cruiser New York. The pope blessed them and said he hoped they would always be influenced and inspired by "the humanitarian sentiments of that great pacificator, Theodore Roosevelt."