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WE EXTEND TO OUR PATRONS AND FRIENDS
THE PEOPLE OF THE HOOD RIVER VALLEY

THE SEASON'S GREETINGS

WE HOPE FOR YOU A JOYFUL YULETIDE
AND A NEW YEAR OF HAPPINESS
AND PROSPERITY



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The Season's Greetings

Extending to all our good friends and patrons our sincere wish for a Happy New Year, we also wish to express our thanks for your patronage. We hope to continue to merit it.

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H. S. Braakman wishes
All of you
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**EXPERIMENT STATION
GIVES DRY ROT DATA**

Editor Glacier: Some time ago there appeared in your columns a letter asking for information concerning some of the orchard problems of the valley. To adequately answer all of the questions we felt that much valuable space in the newspaper would be employed, perhaps to the impairment of the issue. However, a number of the questions asked are of much interest to many growers in the valley and we are glad to present such information on the subject as is available.

It is regrettable that all of the facts which bring about dry rot and core rot of apples are not known. These diseases are classified as physiological troubles, there being no definite fungus or insect organisms associated with them. Troubles of this sort are irregular in occurrence and must be traced back to some unbalanced condition, either in soil moisture, plant food or perhaps something irregular within the tree itself, probably induced by some of the conditions already mentioned. Usually in extreme cases we find tree injury associated with these two troubles in the form of Dieback or so-called Rosette. A well known Australian author on this subject has prepared five volumes and has spent many years investigating the cause, but in his conclusions he is unable to place his finger upon the set of conditions which bring about this trouble.

Under our conditions at least, we can positively state that in high orchard practices, such as careful cultivation and rotation with cover crops, supplemented with uniform irrigation, has in many instances corrected large acreage severely affected by this condition. However, there are many exceptions, and the trouble often continues to develop regularly despite the fact that growers have been very careful with these practices. This probably leads us to a point below the surface of the ground, and it is quite probable if we could picture a cross section of this soil condition, that is, the ground throughout the year with reference to its dryness or its excessive water condition, we would be surprised.

Many observations that we have made lead us to believe that during some parts of the year, and perhaps for only a short time, water has become over-abundant, resulting in some mechanical injury to the feeding roots of the trees. We have made some observations here at Hood River, with reference to the water table in some orchards, and have found this very high even on ground which would have the appearance of good drainage. It was probably due to this fact that dry rot and core rot developed, causing so much damage in these orchards. In one particular case as the water table lowered, the dry rot diminished progressively until not present at all. It would seem then, that growers should more critically understand their soil moisture and particularly the rise and fall of their water table if they are experiencing much trouble of this sort. An examination should be made at definite intervals throughout the year, as it would take regular observations, say not to exceed every three or four weeks to accurately determine this water condition because of fluctuations that occur during the season. We believe that drainage employed along with the practices suggested would materially reduce this trouble.

In next week's issue, we will discuss water core.

Hood River Experiment Station.

**Moss on Lawns
CAN BE CONTROLLED**

Moss can be controlled if not completely eradicated from the lawn by making conditions unfavorable for its growth reports A. L. Peck, professor of landscape gardening and horticulture, at O. A. C.

"Many persons encourage the growth of moss by cutting the grass too often or too short, and by watering the lawn too often or too late in the season," says Professor Peck.

"Grass and all plants take their energy from the sun through their leaves or foliage. If the leaves of a rose bush were constantly being plucked the bush would not thrive. Yet that is exactly what happens to the grass plant every time the lawn is cut. The plant is devitalized to such an extent by too frequent cutting and too short cutting that it is unable to compete with its hardy rival—the moss."

Moss thrives on a damp surface, hence the lawn should not be watered too late in the season, warns this specialist. The ground must have an opportunity to become dry occasionally. Shaded lawns are more subject to the moss evil than lawns in a favorable location.

The condition of the ground may also encourage moss growth, but this can be remedied by spreading air-lacked lime or fine wood ashes over the lawn, either in the fall or in the spring.

If the lawn is already covered with moss it should be thoroughly raked early in the spring. This is the only treatment now used. Where conditions are favorable for the growth of moss steps should be taken to prevent its growth. An ounce of prevention is worth a pound of cure and often saves time, money, and labor, according to Professor Peck.

Grass seed can be sown either in the fall or in the spring. It is often desirable to plant one crop in the fall and another in the spring. Fall sowing should be done just as soon as the frost is out of the ground, or about the middle of April. This gives the young grass a chance to establish itself before the severe summer heat comes on. Professor Peck favors spring sowing because germination is more rapid at that time and, in general, the results are more satisfactory.

Beautiful lawn making is an art which should not be attempted unless the beginner has some knowledge of grass seed. There are many kinds of seed, each adapted to its own environment, and when taken elsewhere yielding a doubtful result, or no result at all.

Kentucky blue grass is excellent for lawns. It grows slowly but vigorously almost everywhere but on an acid soil. Red top shows results more quickly than blue grass and will thrive on a sandy soil. This makes a fine combination with blue grass. English rye grass grows quickly and shows almost immediate results. This also makes an excellent combination with blue grass for some sections of the country, but its use is discouraged in Oregon because it grows in bunches which are hard to cut with a lawn mower. The cultivation of English rye grass for lawns has not met with success in this state, due to climatic conditions. Various-leaved fescue is good for shady and moist places. Rhode Island bent is good for making green because it has a creeping habit and grows in shady places. Creeping bent can be used to bind banks or sloping places. It also has a creeping habit and grows in sandy soil. Crested dog-tail forms a low and compact sward, and is good for slopes and shady places.

Wood meadow grass is very hardy and thrives best in the shade. Red fescue is excellent for poor soils and gravelly banks. White clover is not recommended for a lawn. Sheep fescue is good for light, dry soils.

"If the grass is adapted to the locality, and is given proper care, it will crowd out most of the moss and prevent further moss formation," says Professor Peck.

**STATEMENT FALSE,
SAYS McCULLAGH**

Portland, Ore., Dec. 22.—Editor Glacier: Please be kind enough to publish the following statement from me in your next issue as a reply to the article appearing in your issue of December 21, under the caption "Woodruff-McCullagh Fund Is Distributed."

The statement appearing in your issue of December 21, is absolutely and undeniably false in every particular. Mr. Woodruff can speak for himself, but I wish to deny that the Association or any of its connections has ever collected or tried to collect one cent from me at any time. I have never been asked to refund anything and never will refund anything for the simple reason that I have never owed them one cent.

The statement appearing in your papers and covered by the letters reported to have been sent to Association members is a positive and deliberate falsehood, and while as a subterfuge the letters are reported as signed by Mr. W. J. Knight as trustee, it is simply another example of the vindictiveness of Mr. Stone and his personal hatred and enmity toward Mr. Woodruff and myself.

Mr. Stone seems possessed to besmirch the reputation of two men who gave the Apple Growers Association four of the best years in their lives and who brought back to their employers, the members of the Association, the best results ever obtained in the history of that organization. At not too distant a date Mr. Stone may have an opportunity to prove some of his statements.

Yours very truly,
C. W. McCullagh.

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R. E. SCOTT
Hood River, Oregon



May every day of every week of the coming year be one of health, happiness and prosperity for our good Hood River friends

C. A. RICHARDS

Notice of Final Account

Notice is hereby given that the undersigned, as Executor of the Will of Lucy Boorman, deceased, has filed his Final Account in said Estate in the County Court of Hood River County, Oregon, and said Court has, by order duly made and entered, appointed Saturday, December 30, 1922, at 10 o'clock a. m., as the time, and the court room of said court as the place, for the hearing upon said Final Account, and of objections thereto, and the settlement thereof. Of which all persons interested will take due notice. Dated and first published November 30, 1922.

A. W. Boorman, Executor.
George R. Wilbur, Attorney.

Notice of Hearing and Settlement of Final Account of Administrator

Notice is hereby given that the undersigned, Administrator of the estate of E. L. Smith, deceased, has filed his final account with the Clerk of the County Court of Hood River County, State of Oregon, and that said Court has fixed the 30th day of December, 1922, at the hour of 10 o'clock a. m., as the time and the Court Room of the County Court House in said County in the City of Hood River, Oregon, as the place for hearing of objections of said final account and report, if any there be, and any and all persons having objections thereto are notified to present the same on or before said date and at said place.

J. F. Watt, Administrator,
Hood River, Oregon.
E. H. Hartwig, Attorney for Estate,
Smith Building,
Hood River, Oregon.

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Happy New Year!

If you need to, make good resolutions and initiate them promptly next Monday. Make resolutions that will not merely result, if you keep them, in good to yourself but to all Hood River Valley. Let's all pull together, good and hard through 1923 to make our town and valley known far and wide for the accomplishment of things we need.

In a summing up of the year 1922, we would not feel content without expressing our appreciation to our friends and patrons—the people of Hood River. We thank you and wish you—

A Happy New Year!

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JOHN M. SCOTT
General Passenger Agent
Portland, Oregon



A Happy New Year!

That is our wish. And we hope to so serve you with the best breads and pastries as to make easier the housewife's work and to make the whole family healthy and happy.

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