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LODGE DIRECTORY
A. O. U. W. - LAKEVIEW LODGE NO. 111
Mets every second and fourth Thursday

CHURCH DIRECTORY
METHODIST EPISCOPAL CHURCH - 111 1/2
First Sunday in each month

PROFESSIONAL CARDS
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Attorney at Law
Lakeview, Oregon

J. D. VENATOR
Attorney at Law
Land Matters Specialty
Lakeview, Oregon

CHARLES UMBACH
Land and Law Office
Abstractor of Titles
Lakeview, Oregon

W. LAIR THOMPSON
Attorney at Law
Office: Over Bank of Lakeview
Lakeview, Oregon

THOS. J. POWELL
Attorney at Law
Office in Daily Building
LAKEVIEW, OREGON

The Course In Modern Agriculture

II.—How Plants Eat and Grow
By C. V. GREGORY,
Agricultural Division, Iowa State College

EVERY growing plant is a little factory. The green coloring matter of the leaves, or chlorophyll, is the engine.

Under the stimulating influence of sunlight the chlorophyll takes the carbon dioxide gas of the air and the water, nitrogen and minerals which the roots send up in the form of crude sap and tears them to pieces.

Building them up in still different ways it makes the hard wood of the oak or the delicate petals of a rose.



FIG. III.—THE GROWTH OF CORN ROOTS.

building them up in still different ways it makes the hard wood of the oak or the delicate petals of a rose.

If plants are to grow rapidly and produce large yields, they must be well fed. About half the dry weight of a mature plant is made up of carbon.

The smooth upper surface of a leaf is both air and water tight. On the underside, however, are many small openings, which are really the mouths of the plant.

Next to carbon hydrogen and oxygen are the foods that the plant uses in largest quantities. Since water is composed of these elements, the supply will be plentiful as long as there is plenty of water in the soil.

There is one element, nitrogen, which forms a considerable part of the plant, that is harder to get. While three-fourths of the air is nitrogen, the plant does not seem to be able to use it in this form.

Nitrogen is one of the most important plant foods, and it is one that is very often lacking. If the plant cannot get a sufficient supply of nitrogen it will be stunted, will stop growing early, and the yield will be very much reduced.

If you will drop a little rich black soil on a hot shovel some of it will go up in smoke. The part that burns is humus and is made up of vegetable and animal matter which is partly decayed.

Some of the potassium and phosphorus will not dissolve even when brought in contact with water. It takes a long contact with the air to cause chemical actions which will change it into a soluble form.

Even when the plant is given all the nitrogen it can use it sometimes fails to do well. This is because it cannot get as much of the mineral elements as it needs.

Two of these, namely, however, potassium and phosphorus, are not so plentiful. While the plant cannot get enough potassium, a grain will not be filled out well.

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Lake County's Fine New Court House

Lake County's new court house is the finest building in Lake county, and one of the best buildings in the state of Oregon.

Notice For Publication

Department of the Interior, United States Land Office, Lakeview, Oregon, July 14, 1923.

CLASSIFIED WANTS

WANTED
THE IOLA HOLDERS OF OREGON

WANTED - Situation on farm, by man and wife. Understand farming in all branches, wife good cook.

WANTED - Intelligent man or woman to take territory, and appoint canvassers to sell our water filters.

WANTED - Not young man or woman, as demonstrator. Must be a good impressive talker.

WANTED - By married man, 25 years old, position as inside electrician, or as clerical work.

SITUATION WANTED: AT LAKEVIEW or vicinity by married man 23 years old.

FARM FOR SALE - In the north part of Summer Lake valley, containing 165 acres of land with house, barn and outbuildings.

FOR SALE: 400 ACRES LAND, agricultural, timber and pasture. All fenced, contains springs and stream.

FOR SALE: West 1/2 of Sec. 34, Township 38, Range 14 East at \$5. per acre.

TIMBER CLAIM FOR SALE - 100 acres yellow pine, 15 miles from Lakeview.

Five Cents is the Price of Peace
The terrible itching and smarting, is relieved instantly by applying this Salve.

CAMPING OUTFIT

We furnish the most complete Camping Outfit for the money ever offered to the public.

We have made preparations to furnish the Government and all dealers and sellers of tracts of land as well as hunting, fishing and mining parties with a light-weight and convenient camping outfit.

The opening of the Oregon Military-Road Grant at Lakeview (of the Oregon Valley Land Company) will take place September 9th.

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