

Do Not Forget the Date, August 9th and 10th, 1909

DO NOT SAY THAT OPPOTUNITY NEVER KNOCKED AT YOUR DOOR

Everybody invited to take an automobile ride out to the Alfa Addition

BUY A LOT IN THE ALFA ADDITION

Ice Cream for everybody
Good Music in attendance

20 per cent cash, 10 per cent quarterly

Realizing a long felt want for the good of Ashland, and to satisfy this want, we have put on the market one of the finest and best located residence additions to be found in Ashland, located near the heart of the city, between Boulevard and Main Streets

The Sale of the Lots in the Alfa Addition will take place

AUGUST 9th and 10th

FOR SALE BY

EDWIN P. HUGHES & CO.

We also have some very fine orchard tracts for sale



RESOLVED

The best resolution for you to make is to come to us for your next suit, if you want something out of the ordinary. We do the best work and charge the lowest prices.

W. W. EIFERT
THE PROGRESSIVE TAILOR

NOTICE

Is hereby given that the undersigned will apply at the regular meeting of the city council of Medford, Oregon, on August 3, 1909, for license to sell malt, vinous and spiritous liquors in less quantities than one gallon for six months at lot 13, block 20, in Medford, Oregon, for a period of six months.

H. O. WILKINSON.
Dated July 21, 1909.

NOTICE

Is hereby given that the undersigned will apply at the regular meeting of the city council of Medford, Oregon, on August 3, 1909, for license to sell malt, vinous and spiritous liquors in less quantities than one gallon for six months at lot 11, block 20, in Medford, Oregon, for a period of six months.

W. M. KENNEDY.
Dated July 17, 1909.

NOTICE

Water bills for June and prior thereto, not paid by the 2d of August, will necessitate the shutting off of water without further notice.

BENJ. M. COLLINS,
City Recorder.
By R. W. T.

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Mt. Angel College

MT. ANGEL, OR.

in charge of the Benedictine Fathers. For young men and boys. Term opens September 7th. Preparatory, commercial, scientific and classical courses. Write for catalogue.

LEWIS WRITES OF ORCHARD FERTILITY

(By Professor C. I. Lewis, O. A. C.)

Orchard fertility is a very important subject for the fruit growers to study and much more attention and thought should be given to this subject than it now receives for the very success of an orchard depends largely upon the maintenance of fertility. In order to harvest heavy crops year after year and to still maintain the highest type of excellence we must see that the orchard soil is not allowed to become depleted. We are apt to think on the Pacific coast that our soils cannot become exhausted. In this we are badly mistaken, for we have already plenty of evidence in some of our fruit sections that this is not true—orchards in which the foliage is yellow, the fruit small, and the annual growth very short. True it is that some of these orchards need more water, but as will be shown later there is a rather close relation between water supply and food supply in many of our orchards. Taken as a whole, our orchard soils are rich, especially in certain elements, but without system of management they are losing much of the available supply of plant food. Our problem is to maintain the fertility.

What do we really mean by orchard fertility? Simply the food supply that the trees need to do their best. This food is represented in the form of about 38 chemical elements. The chief elements from this number are carbon, hydrogen, oxygen, nitrogen, sulphur, potassium, phosphorous, magnesium, calcium and iron, while sodium, chlorine and silicon are found in lesser quantities. The plant obtains its carbon from the air through the leaves. Hydrogen and oxygen are obtained from the water, while nitrogen is found in decaying organic matter and is also obtained by some plants from the air. These elements are often termed the organic elements, the remaining elements the inorganic or mineral. When a plant is burned the first four elements pass off into the air while the remaining are found in the ashes. We say, then the four organic elements come from

the air, the remaining mineral elements from the soil.

Nature supplies most of the 38 elements that enter the plant, in great abundance; in fact, in very large supplies, much greater than our plants will ever need. There are, however, three or four elements that are apt to be deficient and absolutely essential to plant growth: these are nitrogen, potassium and phosphorous, and occasionally lime.

Nitrogen is the great vital element—the life giver, so to speak; it is the element that gives the plant its rich, vigorous green color and luxuriant growth, the producer of wood and leaf.

Potassium forms about 50 per cent of the ashes from a plant, and is supposed to aid in the development of color.

Phosphorous aids in the ripening of the fruit and aids in the seed development. We have found in our pollination studies that there is a relation between heavy seed and heavy fruit; they go together.

Our problem is to keep the soil supplied with these elements in sufficient quantities. Some of my readers may have received literature from the soil bureau of the department of agriculture, Washington, D. C., stating that there is no such thing as soil exhaustion, that the reason some plants do not grow is due to poisonous secretions from the soils. There may be something in this; however, we prefer at present until more information is received on the subject to believe that soils become deficient at times in certain elements.

Prepaid Railroad Orders.

"Something which is of considerable interest to the public generally and which is perhaps not generally known is in effect between stations of the Southern Pacific company and all points in the United States. By means of this system tickets may be purchased at Medford from any place in the United States and mailed or telegraphed direct to the party wishing to come here. Sleeper accommodations and small amounts of cash in connection with these tickets may also be forwarded at the same time."



"For you particular customers who demand the best groceries, we recommend Folger's Golden Gate Coffee."

It is so good we cannot obtain a better coffee—not if we paid \$1 a pound for it.

Everything about Folger's Golden Gate Coffee is perfect, and we sell it with the positive guarantee that it will please you.

Allen & Reagan

GROCERIES, CHINAWARE, FRUIT AND FEED.

Medford Iron Works

E. G. TROWBRIDGE, Proprietor

Foundry and Machinist

All kinds of Engines, Spraying Outfits, Pumps, Boilers and Machinery. Agents in Southern Oregon for FAIRBANKS, MORSE & CO.

Mrs. Irene Hampton Isaacs

Instructor of Piano, Lisset Method

Studio at Residence, North Orange Street