

### ANALYSIS OF SOILS OF MEDFORD VALLEY NOW BEING MADE

(By F. C. Reimer, Southern Oregon experiment station.)  
At a farmers' and fruitgrowers' meeting held at Medford on January 22, the writer made some statements regarding the lime content of Jackson county soils. These statements have recently been questioned in the columns of this paper. With reference to this the writer wishes to submit the following facts to the farmers of this county.

**A Study of Our Soils**  
During the year 1911 the bureau of soils of the U. S. department of agriculture made an exhaustive soil survey of Jackson county. Every soil type in this county was carefully studied, and all of these types were named and properly classified. The results were published in a bulletin entitled "Soil Survey of the Medford Area, Oregon." This bulletin also contains a large colored map showing the exact location of every type. On this map any farm in the county can be easily located, and the soil type or types which it represents can be readily determined. This bulletin does not, however, give the chemical composition or plant food content of the different soil types.

The Southern Oregon experiment station, therefore, has collected for analysis typical soil samples from all the leading soil types in this county. The chemical department of the state experiment station at Corvallis is now making an exhaustive chemical study of each type. When this work is completed we will know definitely just how many pounds of lime, potash, phosphorus, nitrogen, magnesium, sulphur and humus there are in an acre of every soil type. This work was started in the summer of 1915 and will be completed by May, 1916. As soon as this work is completed a bulletin will be published giving all the results. A copy of this will be sent to every farmer in southern Oregon, as well as to others who may desire it.

**High Lime Content**  
Part of the chemical work on these soil types has already been completed, and the lime content of several types has been determined. The lime content of these types is very high. The type containing the smallest amount of lime contains 2.11 per cent, or 73,850 pounds per acre to a depth of one foot. The type showing the largest amount of lime contains 3.48 per cent, or 121,800 pounds per acre. The average for all the samples so far determined is 2.86 per cent, or at the rate of 100,100 pounds per acre to a depth of one foot.

During the past fifteen years many miscellaneous samples of soils have been sent by farmers from this county to the experiment station at Corvallis for analysis. The average lime content of all these miscellaneous samples is 1.08 per cent, or at the rate of 37,800 pounds per acre to a depth of one foot. It is very evident from these figures that the lime content of our soils

### ARBITRATION FIXES RIGHTS-OF-WAY PRICES FOR CANAL

Right of way for the Rogue river canal from Central Point to Tolo, which threatened to halt construction of the canal, now seems in a fair way of adjustment. Under the law passed at the last session of the legislature the company cannot go ahead with construction by putting up a bond to cover damages awarded by a jury in condemnation proceedings, but must first try the case. This threatened delay until too late in the season for the water to be available for the coming season.

Recognizing this fact, most of the property owners have either submitted this matter to arbitration or agreed upon a specific price. Adjustments of two suits begun in pending, leaving but one suit to try, that against De Barr.

Dr. E. B. Pickett, Horace Pelton and W. H. Gore, as arbitrators, awarded Ashbury and Lee Beall \$175 per acre for the land actually taken, holding that the benefits to the land by rendering irrigation available off of any dam, Mrs. Lainsbury and Messrs. Maury and Parsell have settled upon approximately the same basis.

is high. When we consider the fact that an average crop of thirty bushels of wheat, including straw, removes less than ten pounds of lime from an acre, it is evident that our soils contain sufficient lime to last for many years.

**Fertilizer Experiments**  
During the past four years I have conducted many complete fertilizer experiments on various soils, and with various crops in the Rogue River valley. For example, during the season of 1915 we conducted a total of thirty complete experiments on thirty farms in Jackson county alone. Up to the present time we have not obtained any beneficial effect in any experiment from the use of lime. During the fall of 1916 a complete bulletin will be published giving the results of our fertilizer experiments covering a period of five years.

**Excess of Lime**  
It is well known by our farmers that some of our soils actually contain an excess of lime. In some of the orchards limited areas can be found which contain such an excess of lime that the foliage of fruit trees turns yellow in midsummer, and often the leaves turn brown and fall off long before autumn.  
I have never heard of a well in Jackson county that did not contain "hard" water, due in nearly every instance to a large amount of lime in the soil.  
**Cost of Experiment Station**  
The question has been raised as to what the Southern Oregon experiment station costs the farmers of this county. Permit me to say that Jackson county pays annually \$150 toward the support of this station. Practically one-third, or \$50, of this amount is paid by the farmers of Jackson county.

### CHINESE PROVINCE OF KWEICHOW IN FULL REBELLION

PEKING, Jan. 31.—The province of Kweichow is in full rebellion. The governor was forced to flee January 16 and communications have been interrupted. It is reported that Luchow and Tzeihut Sing have been captured by the revolutionists.

The American gunboat Monocacy is at Chung King, on the Yangtze Kiang, about ninety miles to the northeast of Luchow. The commander has notified Dr. Paul Samuel Reisher, American minister to China, that all is quiet in that neighborhood and that a zone has been outlined within which the Monocacy will protect foreigners who are threatened.

Twelve thousand soldiers from the province of Kweichow are reported to be marching, in company with Yunnan revolutionists, upon Chung King, where fighting is expected to take place within a few weeks.

The inception of the revolutionary movement in China, first manifested on the Chinese cruiser Chao-Ho at Changhai in the beginning of last December, and which assumed more serious proportions when the revolutionists in the province of Yunnan announced formation of a separate republic, was attributed to dissatisfaction with the purpose of President Yuan Shi Kai to restore a monarchical form of government.

LONDON, Jan. 31.—The number of Mongolian insurgents has been increased by 20,000, according to a Mukden dispatch, says Reuters' Petrograd correspondent. The dispatch adds that the insurgents are marching toward Peking.

### SEALING CLAIM VERDICT GIVEN BY CANADIAN JUDGE

OTTAWA, Ont., Jan. 31.—Judge L. A. Audette of the exchequer court, commissioner appointed to investigate the pelagic sealing claims, made his report public today. One thousand six hundred and five claims amounting to \$9,200,000 were submitted to him and his awards total \$60,663. The claims are divided into five classes:

(a) Those arising prior to the Paris award regulations in 1894; (b) claims by sealers who never sealed in the north Pacific; (c) claims following the Paris award regulations; (d) claims owing to the pelagic sealing treaty of 1911; (e) various claims of none of the above classes.  
The commissioner finds that the only persons entitled to compensation are those who were engaged in sealing up to the time of the treaty in 1911 and owners of vessels and in certain instances a few sealers who owing to illness or otherwise were unable to engage in their calling in 1911. The compensation is made up as follows:  
Owners of vessels receive the value of the vessels and retain them.  
Masters and hunters receive the amount of the previous year's earnings.

### CHASE APPOINTED AGRICULTURIST FOR WASCO COUNTY

The county school board has issued the following announcement:  
"Arthur R. Chase, for two and one half years Rural School Supervisor of Supervisory District No. 5, has just tendered his resignation to become county agriculturist of Wasco county, a position which pays a much better salary than Mr. Chase has been getting in Jackson county. His resignation has been accepted and Mr. Chase has already taken up his new work."

In accordance with a general demand for a retrenchment in county expenses this board had several months ago determined to dispense with the services of one supervisor at the end of the present school year, when the contracts with the supervisors terminated. Now that Mr. Chase has tendered his resignation, the new plan will be put into effect at once, and from this time on there will be but one supervisor, Mr. E. R. Peterson, in the county. The schools formerly supervised by Mr. Chase will in the future be visited by the County School Superintendent and Mr. Peterson. This will mean, of course, that your school will not be visited as frequently in the future as in the past. However, with the hearty co-operation of teachers, school officers and school patrons, we hope to keep the schools of the county up to standard."

### COURT HOUSE NEWS

Reported by Jackson County Abstract Co. Sixth and Fir Sts.  
**Real Estate Transfers**  
W. Thomas to W. F. Isaacs, land in Perr re-sub-div. ... \$1000.00  
G. C. McAllister et ux to Citizens' Bank of Ashland, pt. 36-1E, Q C D. .... 1.00  
Wm. Chapman et ux to Citizens' Bank, Ashland, land in Ashland Homestead Assn. ... 800.00  
David W. Luke to H. M. McFarland, land in Orchard Home Assn. Tr. Medford, assignment of bond ..... 1.00  
Julia A. Owen to E. C. Hamilton, pt. 36-2W ..... 10.00

### OBITUARY

Alexander Martin, an old resident of Oakland, and president of the Klamath Falls bank, is dead at his home, 704 Tenth street, following a brief illness.  
He had lived in Oakland for the past thirty-six years and was prominently connected with financial affairs in the southern part of Oregon. He was a native of Illinois, 80 years of age, and came to Jacksonville in 1852, crossing the plains.  
He is survived by a widow and four children, Mrs. G. W. Alken, of Fresno, Dr. George Martin, of Berlin, Germany; Mrs. F. H. Woodward, Oakland, and Alexander Martin, of Eugene, Ore.

### ARTISIAN WELL DRILLING DEVELOPES VEINS OF COAL

Whether to develop the Chadwick well proposition, located at the base of Mount Grizzly, about six miles southeast of Medford, as an artesian water source project, or as an oil proposition or a coal mine, appears to be the problem next to be solved in the progress of that enterprise. The well is down about 1000 feet. Four veins of coal have been penetrated in that depth. In the aggregate they measure about twenty feet in thickness. The last vein encountered is about seven feet thick and is believed by many to be anthracite coal. An analysis will determine its character.

Operation of the drill appears to have ceased until the arrival of C. H. Chadwick from Chicago, the principal owner of the property. Oil sands have been encountered in the well that have caused local oil men to "take notice." Some evidence that a flow of gas may be found has been uncovered. Altogether, it has become an interesting problem. Its final solution is expectantly awaited. Whether it be gas, petroleum, an artesian flow of water or a coal mine,

### Jump from Bed in Morning and Drink Hot Water

Tells why everyone should drink hot water each morning before breakfast.

Why is man and woman, half the time, feeling nervous, dependent, worried, some days headachy, dull and unstrong; some days really incapacitated by illness.  
If we all would practice inside-bathing, what a gratifying change would take place. Instead of thousands of half-sick, anemic-looking souls with pasty, muddy complexions we should see crowds of happy, healthy, rosy-cheeked people everywhere. The reason is that the human system does not rid itself each day of all the waste which it accumulates under our present mode of living. For every ounce of food and drink taken into the system nearly an ounce of waste material must be carried out, else it ferments and forms ptomaine-like poisons which are absorbed into the blood.  
Just as necessary as it is to clean the ashes from the furnace each day, before the fire will burn bright and hot, so we must each morning clear the inside organs of the previous day's accumulation of indigestible waste and body toxins. Men and women, whether sick or well, are advised to drink each morning, before breakfast, a glass of real hot water with a teaspoonful of limestone phosphate in it, as a harmless means of washing out of the stomach, liver, kidneys and bowels the indigestible material, waste, sour bile and toxins; thus cleansing, sweetening and purifying the entire alimentary canal before putting more food into the stomach.  
Millions of people who had their turn at constipation, bilious attacks, acid stomach, nervous days and sleepless nights have become real cranks about the morning inside-bath. A quarter pound of limestone phosphate will not cost much at the drug store, but is sufficient to demonstrate to anyone, its cleansing, sweetening and freshening effect upon the system.

It is an attractive proposition, both industrially and commercially. It will probably lead to other developments in that district. An artesian flow of water for commercial uses would be a big thing, but to strike a gas flow or an oil gusher would create a sensation, both locally and abroad.

### FOR BRONCHITIS, PAINFUL COUGH WHOOPING COUGH AND COLDS

**Cheapest Remedy Made at Home—128 Teaspoonful for 50 Cents**  
When in need of a remedy for the treatment of bronchial affections, such as bronchitis, whooping cough, croup, stubborn coughs, colds or soreness, don't simply ask the druggist for a "cough medicine" but get the best. Tell him to give you Schiffmann's New Concentrated Expecto-rant, instead of being induced into buying something else purely on the strength of some testimonials or the exaggerated claims of the manufacturer. The same "money back" guarantee goes with every bottle of this remedy sold by Medford Pharmacy as does with Dr. Schiffmann's famous Asthmador and your money will be refunded, if it does not give perfect satisfaction; in fact even more, if it is not found the best remedy ever used for these affections. In buying this new remedy, besides securing the guarantee these druggists give, it will likewise be found the most economical to use, for the reason that one bottle (50 cents worth) makes a full pint (128 teaspoonful) of the most excellent cough medicine, after being mixed at home with one pint of granulated sugar and one-half pint of water. One bottle will probably, therefore, be sufficient for a whole family's supply the entire winter, while the same quantity of the old ordinary, ready-made kinds of medicine would cost between \$2 and \$3. It is prepared from strictly harmless plants, contains absolutely no chloroform, opium, morphine or any other narcotic or injurious drugs as do most cough remedies, and it can therefore be given to children with perfect safety. It is pleasant to take and children are fond of it. Absolutely no risk whatever is run in buying this new remedy under the above positive guarantee. R. J. Schiffmann, Prop., St. Paul, Minn.



Write a Letter—Make a Drawing—Win a Prize!

It's an achievement in Coffee Roasting history—a really good steel-cut, can-packed coffee at 25c the pound.

### Good Old "PLANTATION" Coffee—25c a Pound; 3 Pounds 70c.

We want you to try it— one woman writes us, "We have tried many brands of coffee at this price, but this far exceeds them all in quality and richness." Others have told us that it is far better than any 39c or 35c coffee they have ever tried—German-American excepted. Order a can today—you're sure to be satisfied, and besides you may win a prize.  
**\$25 IN GOLD**  
Get a can of "Good Old Plantation" Coffee—try it—then write a letter of 50 words, or less, telling what you think of it. Make a rough sketch of the lettering on the label, just to show that you have the can. Mail the letter and sketch to address below.  
For the best letter, accompanied by sketch, we will give a first prize of \$10.00.  
For the next two best letters, \$5.00 each, and for the next five \$1.00 each.  
Do not delay—enter the contest today—win a prize.  
**Lang & Co.**  
Advertising Dept  
701 Broadway Bldg.,  
Portland, Oregon.

# CLOSING OUT



## \$20,000—STOCK OF—\$20,000

### HIGH GRADE MERCHANDISE

## TO BE SOLD OUT IN 20 DAYS

Doors Open Tuesday 9 a. m. **Moe & Co.** Doors Open Tuesday 9 a. m.