

OLD HOMESTEAD HAS BEEN SOLD

(Special to The Observer)
JOSEPH, May 11.—Frank Winston of Joseph has purchased the Cleve Lloyd ranch on the Innaha. This place was homesteaded by A. N. Adams nearly forty years ago, who

Mothers' Day will be observed next to live had to fore the river eighteen times in a distance of ten miles. Mr. Adams built up one of the best stock ranches in the Innaha in the more than twenty years of his residence there but finally sold out and moved to his farm on Prairie creek. Mr. Lloyd owned the place for several years and later disposed of it to his son, Cleve. Being but ten miles above Innaha, it is located in the semi-tropic belt and makes an ideal winter home. There is a good house, a fine orchard, plenty of hay land and both winter and summer ranges, making it a most desirable stock ranch.

Mr. Winston formerly owned a ranch several miles above this one and was a successful cattlemen. His plans are as yet unformed but for the present the family will continue to reside in Joseph.

All the joys of spring are with us in Joseph—buttercups and snow, sweet girl graduates and green grass, daffodils and baseball.

Speaking of sweet girl graduates, Rev. Wallis preached the baccalaureate sermon last Sunday morning for our class of nine. The Junior class had decorated the church with potted plants in full bloom, the choir had prepared beautiful music. There was a splendid sermon and a well-filled church, all in honor of the ten young men and women who have completed high school work. Commencement exercises will be held Friday night, May 12, in the auditorium of the high school and Honorable Bruce Dennis will deliver the address. The boys have made a fine record in athletic this year and last. The entire class of four boys go to Salem in March to compete in the basketball tournament.

SHRINERS.

Reduced rates to Baker on sale May 9 to 12, inclusive, account of Al Kader ceremonial, May 13th. Tickets good returning up to May 16. Buy one-way fare to Baker and get receipt which entitles you to half-fare back. Total fare, \$2.82. Al Kader Special will leave here 7 a. m., May 13. Ride the Special. — Union - Wallawa County Shrine Club. 5-11-22

Evils of Constipation.

Perhaps the most serious of the diseases caused by constipation is appendicitis. If you would avoid this dangerous disease, keep your bowels regular. For this purpose Chamberlain's Tablets are excellent, easy to take and mild and gentle in effect.—Adv.

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—His opponent is a banker and while Deputy Treasurer started a bank of his own depositing \$100,000 of state funds therein.

(Paid Adv.)

RADIO EXPLAINED

By E. H. LEWIS
INSTRUCTOR NEW YORK Y. M. C. A. RADIO SCHOOL

THE GROUND.

The ground connection or "earthing" of an antenna system is quite important. The earth ground is, of course, a connection made to the earth itself. The counterpoise ground is a conductor or a system of conductors stretched beneath the antenna and either laid upon the ground or elevated slightly above it. There are many methods of constructing counterpoise grounding systems. In either the case of the direct or counterpoise ground there is formed, in effect, a plate of a condenser which is opposite that formed by the antenna. The conductor connecting the apparatus to the grounding system is called the "ground lead."

The antenna and ground form an oscillatory circuit because of the capacity effect and the inductance due to length of the wires. In practice it is customary to include a coil in the system for the purpose of securing an electro-magnetic coupling with another circuit. This other circuit may be that in which oscillations are generated (in a sending set) or a circuit which is interposed between the antenna and a translating circuit (in a receiving set). The oscillating circuit thus comprises antenna, coupling coil and grounding system. The condenser effect between antenna and ground provides a circuit which is closed so far as oscillating currents are concerned. The resistance of this entire circuit must

be kept as low as possible to avoid the loss of energy due to heating of the conductors. There may be considerable energy loss, even when the conductors do not appear to be heated. Temperature is judged by feeling the conductors in similar, if no criteria. In the case of a receiving station, the greatest care should be taken that all connections are well soldered. All joints in the wires and the connection of the ground lead to the grounding system must be soldered in such a manner that there will be no corrosion in the contacts. The wires used should not be too small, and No. 14 copper is not by any means too good. In fact, that size of wire is about the smallest that should be used in any case. Copper should be used in any case. Copper should be used in preference to other materials because of its relatively superior ability to conduct electric current without loss.

At a receiving station it is usually convenient to connect the ground lead to a water pipe, so that the piping system provides the grounding. This is best in a cold water pipe, since there is less liability of too great resistance in the grounding system. If the hot water pipe were used the resistance in the connections of the boiler is quite high. The same applies to the use of a heating system. Grounding on a steam pipe may be successfully accomplished, but there is a greater liability of increased resistance.

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Whooping Cough.

This is a very dangerous disease, particularly in children under five years of age, but when no paracetic, epidemic or other opiate is given, it is easily cured by giving Chamberlain's Cough Remedy. Most

people believe that it must run its course, not knowing that the time is very much shortened, and that there is little danger from the disease when this remedy is given. It has been used in many epidemics of whooping cough, with pronounced success. It is safe and pleasant to take.—Adv.



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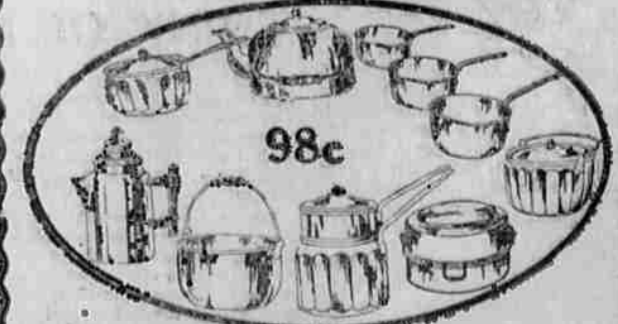
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A. R. HUNTER

DEMOCRATIC CANDIDATE FOR THE LEGISLATURE FROM UNION COUNTY.

PAID ADV.