

RADIO EXPLAINED

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

THE RELATION OF WAVE LENGTH TO DISTANCE.

Right at the start it is well to point out that wave length which is only determined by the frequency of the ether waves, are sent at a sending station, are not in any way related to the distance a receiving set will receive. That is to say, if the sending station is working on a "wave length" of 100 meters it does not by any means follow that the range of the station is only 100 meters or that it can only send that distance. The station might be able to send many times that distance or it might only be able to send a small fraction of it. The distance does NOT depend entirely upon the wave length. If that were true it would never have been possible for a number of amateur transmitting stations to send to Scotland in the recent tests.

Wave length does have a little something to do with the distance a transmitter can send, however, and this is principally due to the variation of absorption of energy with wave length. It is found that there is somewhat less absorption of long undamped waves than of short waves when they are forced

Course of Study for Domestic Art.
Thursday Afternoon.
Grammar, Geography, Stenography, American Literature, Physics, Typewriting, Methods in Language, Thesis for Primary Certificate.
Friday Forenoon.
Theory and Practice, Orthography (spelling), Physical Geography, English Literature, Chemistry.
Friday Afternoon.
School Law, Geology, Algebra, Civil Government.
Saturday Forenoon.
Geometry, Botany.
Saturday Afternoon.
General History, Bookkeeping.
Very truly yours,
J. A. CHURCHILL,
Supr. of Public Instruction.
May 30, June 5-10.

Warped Doors.
Doors and drawers often swell in the damp weather, making it impossible to open them. Light a large lamp and leave it in front of the swollen article for about an hour, and at the end of that time the wood will have shrunk so that the drawer or door will open easily.

For Utmost Corset Satisfaction be Fitted to

"La Camille"



No squeezing of organs; no pressure; defects of figure corrected; a perfect foundation for your gowns.

This in addition to the comforts afforded through the exclusive "La Camille" features: No pressure on spine, no cutting by laces; no pinching of clasp; no digging of stays at top—but freedom, ventilation, satisfaction.

A complete line of the different models always on hand. Prices \$2.50 and up.

Mrs. Robt. Pattison Corsetiere

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Don't Put It in the Attic

It's Fun to Refinish It Yourself
—We'll Tell You How

MANY lovely home things are put in the attic when they are old only on the outside. They would look as good as new if refinished.

You can refinish them yourself with a little paint, varnish, or enamel, and a bit of work—that is really fun.

We organized a special department just to tell you how to refinish things successfully. Write our "Home Service Department," telling them what you want to refinish and how you want it to look.

Our experts will tell you just how to do the work, what materials, brushes, etc., you need.

We make special paints, varnishes, enamels, wall finishes and stains for you to use. They

are the results of 73 years in the paint making business. They are the best materials of their kind that we know.

Ask for Fuller's Free Advice and use Fuller's Products to make your home even more attractive than it is now. The work is easy and fascinating. The results are a wonderful reward.

Decorat Varnish Stains

Decorat Varnish Stains for refinish furniture and woodwork. They stain and varnish in one operation. Mark the color of any material. Made in 2 colors.

We also make Fuller's Decorat Floor Paint. All-Purpose Varnishes. Stain-Resistant Enamel. Washable Wall Finishes. Fillers for Holes. Varnish. Fullerton's Varnish. Floor Wax. Shoe Polish. Fuller's Hot Water Wash Finish (Kalamazoo). Pink and Deep Pink, and PIONEER WHITE LEAD.

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"Home Service" Paints
Varnishes—Enamels—Stains

Manufactured by W. P. Fuller & Co.

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Write or call—a questionnaire for Fuller's "Home Service" Paint Book, which tells you just what to buy for every kind of painting. Send full description and get our free advice on any kind of painting you want to do.

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Fuller's "Home Service" Paints are sold by the following in your city:

O. F. Cecil, La Grande, Oregon.
Clyde Kiddle, Island City, Oregon.
Weimer Brothers, Cove, Oregon.
C. M. Ramsdell, Cove, Oregon.

CAN'T FIND A BUYER? TRY AN OBSERVER AD

TEACHERS' EXAMINATIONS.

Notice is hereby given that the County Superintendent of Union County, Oregon, will hold the regular examination of applicants for State Certificates at La Grande high school as follows:

Commencing Wednesday June 14, 1922, at 9:00 o'clock a. m., and continuing until Saturday, June 17, 1922, at 4:00 o'clock p. m.

Wednesday Forenoon.
U. S. History, Writing (penmanship), Music, Drawing.

Wednesday Afternoon.
Physiology, Reading, Manual Training, Composition, Domestic Science, Methods in Reading, Course of Study for Drawing, Methods in Arithmetic.

Thursday Forenoon.
Arithmetic, History of Education, Psychology, Methods in Geography, Mechanical Drawing, Domestic Art.

SWAT That Fly!

—Do it now, when one dead fly means 10,000,000 dead ones Aug. 1st.

Buhack Fly Paper
Tanglefoot
El Vampiro

THE L & L DRUG CO.
RESCRIPTION DRUGGISTS

"First with the New Things"

FOR SALE

SOME MORE BARGAINS IN CITY AND FARM LANDS

80 acres near the Iowa School house all under cultivation. Good home and outbuildings, with some of the equipment thrown in all for \$12,000. This property has a \$1,500 Federal loan on it which makes it easy to carry. Balance terms to be made. Will take a good piece of town property in exchange.

105 acres north of La Grande 80 acres in good cultivation, good farm house and barns. Family orchard, good springs on this property. 25 acres pasture and timber, one fourth mile from the 80. Price \$20,000.00, easy terms.

4 room modern house on Adams ave. Two large lots fruit trees good garage. In one of the best locations in town, all for \$5,500.00 terms. Come and see us for your Insurance, Life, in THE MUTUAL LIFE INS. Co. of NEW YORK, FIRE and AUTOMOBILE.

C. J. BLACK & CO.

New Foley Building
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La Grande MATTRESS SHOP and WEAVING WORKS

Mattresses of all kinds cleaned and rebuilt. Feather Rejuvenating. Rag Rugs and Fluff Rugs for sale.

Carpet and Rug Cleaning 9x12, \$1.50 and up
Chas. Edwards, Prop.
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PRIZES GIVEN SCHOOL PUPILS

GRANDE HALL, June 2.—Mr. and Mrs. Wm. Gekeler took Sunday dinner with Mr. and Mrs. Victor Rasmus.

D. D. Randall and Mr. Plekens visited Liberty Sunday school Sunday. After the session they accompanied Mr. and Mrs. L. S. Smutz home where an excellent Sunday dinner was served.

G. V. Wilkinson and family attended the Halles stamper Saturday.

Rene McAllister returned Tuesday morning from Eugene where he attended the Odd Fellows' convention.

Thursday afternoon Mrs. Caton distributed prizes to the pupils who were winners after competing for prizes in different lines of work throughout the term. The prize winners were Ralph Stringham who received a prize for receiving the most one hundred in an allotted time; Henry Beck and Lynn Smutz each a prize for being neither absent nor tardy during the term and Vernon DeLong for keeping his reader in the best condition in the fourth grade. Cecil Sherwood and Jack Salisbury visited the school in the afternoon and each made a short speech which proved quite interesting to the pupils. Friday school closed and the teacher, pupils, parents and friends celebrated the occasion by picnicking at Riverside park.

Mr. and Mrs. C. D. Huffman and Mr. and Mrs. Alex Davis were Sunday callers at the Wm. Gekeler home.

George Salisbury finished sewing quite a large acreage of alfalfa the first of the week. With the exception of a few acres of eye ground and pasture the Salisbury farm is now all seeded into this paying hay crop.

On account of unfinished business, the Grangers have decided to have an all-day meeting the first Wednesday in June.

An Early "Long Distance."

The earliest recorded means of conveying intelligence rapidly over great distances, was by the human voice. When the king of Persia, invaded Greece (480 B. C.) he posted sentinels at suitable distances apart the whole of the way from Sparta to Athens, by which means news could be transmitted at the rate of 450 miles in 48 hours.

Regular Meeting

Of the Musicians' Local
SUNDAY, JUNE 4TH
At Noon at Eagles Hall

Report from delegate from the National Convention will be given.

MRS. L. J. GATES, Secy.

FOR SALE

One National Credit System.
1 Underwood Typewriter.
One Exide Battery.
Automobile Tires, 32x31.
Grant Car Fixtures.
New and Second Hand Goods Bought and Sold.
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Nolan Skiff

SKAGGS

Money saving CASH stores

Our first week's business in La Grande has been very gratifying, as also has the spirit of a friendly welcome manifest. We believe our prediction that lower food prices would be obtained has been verified, yet we are not satisfied that they are low enough. This week finds us receiving many new items bought the Skaggs' way at a consequent saving.

Campbell Soup, can.....	10c	Van Camp Pork and Beans, No. 2, 2 1/2 can.....	23c
Jello, all flavors.....	9c	White Star Sardines in Tomato Sauce, can.....	15c
Argo Corn Starch, 3 pkg.....	25c	Sugar, 14 lbs pure cane.....	\$1.00
1lb. Ghiradilla Chocolate.....	27c	49 lb sack Blue Stem Flour.....	\$1.80
3lb. Ghiradilla Chocolate.....	78c	49 lb sack Upper Crust Flour.....	\$2.19
Post Toasties and Corn Flakes, 2 pkg.....	19c	1 cased Velvet, Prince Albert Smoking Tobacco, 2 cans.....	25c
Shredded Wheat, 2 pkgs.....	23c		
Rosebud Matches.....	5c		

FINE PIANOS

See us about a piano. We handle proved factory lines. Our prices are less. No interest.



W. H. Bohnenkamp Co.



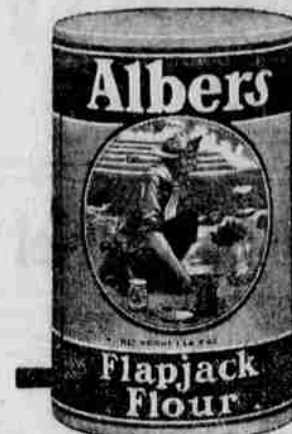
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for the ever growing popularity of Albers Flapjack Flour. Makes light, tasty hot-cakes.

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Your Grocer Recommends Albers quality

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Strawberries

20c A BOX

FULL LINE OF FRESH FRUITS AND VEGETABLES

JOEL'S GROCERY

Free Delivery

Prices Reasonable

The Fourteenth Annual Union Live Stock Show

Will be Held at

UNION, OREGON, JUNE 7, 8 and 9, 1922

—This great Eastern Oregon event needs no introduction to the people of this section. Let it be known, however, that the 1922 Stock Show will be the equal of any show ever presented by this association, and the people of the surrounding country are asked to take at least one day off and come to Union at Stock Show time.

—A fine exhibit of livestock, plenty of races and wild west stunts every day, and entertainment at night. —Do not forget the dates of this great Eastern Oregon event, and arrange to be present.

—For any further information, address W. B. Davis, Secretary, Union, Oregon.