

EUGENE FANS USE STAMPS TO PROVE DISTANCE CLAIMS

Boasting about the long distance stations he has picked up is the favorite sport of nearly every radio fan in Eugene. Some people curl their lips with scorn when someone tells how loudly a 2000-mile station came in. So to prove their claims, a number of local fans are using the stamp album fad to authenticate their claims.

So if you are bothered with skeptics hereafter, all you'll have to do is to show the color of your stamp; then you'll have to give him a free dinner some night while he listens to your set and later you will receive a lecture from the little woman for tearing up the desk while searching for a piece of paper on which to copy the hook-up you gave the erstwhile skeptic.

In other words, those who come to scoff will remain to pray.

But it works the other way, too. Be sure you have the little old stamp before telling how the coast came in so loudly that you had to throw a sofa pillow over the phone to keep them from waking the baby. The Society for the Prevention of Useless Falsehood in Radio will get you if you don't watch out. Some erstwhile individual is liable to step up, throw back his coat and make visible the badge of the society, and upon the authority of same, demand that you immediately show your stamp. And if you have no stamp—well, the only course remaining is to join the society.

The cause of all this Utopian change in radio? This sudden era of utter truthfulness. Nothing more nor less than the innocent little stamp mentioned in the first of this story. Indeed, this is a majestic discovery, the proprietorship of which St. Peter might well expand his chest for possessing.

A Chicago company has given the idea to the world. It is extremely simple in its analysis. The listener sends for a copy of the stamp album. He receives it together with a map, a call list and a batch of proof of reception cards. These latter are most important. Space on them is provided for listing the numbers of the broadcast programs heard, the time of reception and other marks of proof. The listener mails this card together with a 10-cent piece, to cover mailing costs, to the station. At the station the card is checked against the station log to ascertain the correctness of the reception.

If the numbers and time listed tally with the log, the receptor is immediately mailed a stamp with the station's call letters and design upon it. This is pasted in the album at the proper position and remains as proof of the diligence, patience and skill of the owner of the album. The book is nothing less than pretentious. The first page of it sets out that "spaces are provided herein for stamps from every broadcast station in the United States, Canada and Alaska."

The stamps are of uniform size, the color and design of each differing, however. The album is divided into states and at the end of each division has a space for several new stations which may be installed in the future. At the close of the portion for stamps, there is a complete list of stations with the names of their owners, location, wave-length and four subdivisions in which the fan may insert the dial settings at which the station makes its appearance on his set.

Let us hereby offer up a prayer that all our friends forthwith obtain one of the albums and so put radio tales on a basis of fact rather than imagination!

Radio Gossip

Dr. William B. Neal, 351 Tenth avenue west. "A concert from the grill room of the Pennsylvania hotel, New York city, came in good for 15 minutes on my set until KGO came on the air. Then it was all off. We've had three good programs from Chicago. Other stations were picked up are WJW, Dallas, Tex. and Kansas City. It gives a fellow a thrill to get a new station from the east."

Mrs. Henry Kalks, 424 Thirteenth avenue east. "Mexico City is the most distant station we've had. Others were New York city, Schenectady, N. Y., Troy, N. Y. The antenna leading to our set is concealed in the attic, and leads down through the partition in the wall. This avoids outside wires that are sometimes exasperating."

Dr. E. F. Scatena, 1798 Fairmount street. "Best programs I have out of Canada or coast stations. However, we have had good concerts from Chicago, and have heard New York, Pittsburg and Davenport, Iowa."

Mahlon Sweet, head of Orchard street. "I spend most of my time hunting for some station I haven't heard. My most distant station was Springfield, Mass., broadcasting from Boston."

Ed Bartholomy, 90 Eighteenth avenue west. "These little regenerative sets run more programs for the fans in Eugene than anything else. There ought to be a law regulating them."

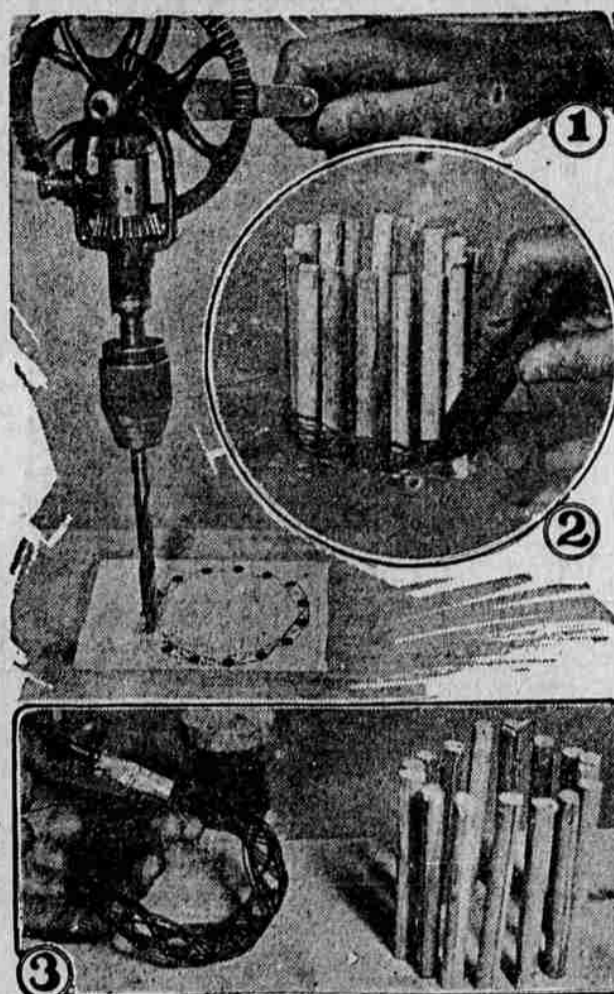
B. B. Brundage, 248 Tenth avenue east. "The last two or three nights the Pacific coast stations have made it hard to get the eastern points. A concert by a Russian orchestra at Denver was one of the best entertainments we have heard."

Jack Lucke, 329 Seventeenth avenue west. "The air has been pretty noisy to me the last two or three days. I've managed to get Detroit, Chicago, Cleveland, Davenport, Ia. My set is a little over three years old, but it is still receiving fine."

Carl Steinmetz, 1814 Willamette street. "Picked up Cleveland, Ohio, the other night, just in time to hear them signing off. We have a small aerial out here, and it is difficult to get eastern stations."

HOW TO WIND LOW-LOSS COIL RIGHT

Various Steps in Process set out in way to insure Proper Results if Directions are Followed Closely.



Here are three steps in winding a low-loss coil that will assure you a well-constructed and lasting inductance. Step 1—Make a paper template the same size as the diameter of the coil you want to build, with marks equally spaced for the posts around which the coil is to be wound; paste on one-inch board; for one-fourth-inch dowel posts, drill holes the same size at same spots where marks are shown on template. Step 2—Put up posts and wind wire, as directed for the particular set you are building, packing it down by pressing from the top with any blunt instrument. Step 3—After coil is wound, remove it carefully and paint sparingly with colodion to keep it in shape. Be sure to keep the posts vertical and parallel to one another.

Radio Programs

Local members of the Lions club who were fortunate enough to listen to the program broadcast by the Lions' Den, Hollywood, heard a program that won't often be equaled on the Pacific coast. The movie city Lions entertained with vaudeville music and concert numbers that was no good most of the fans tuned in to KXN the entire evening.

One Eugene insurance man is abreast of the times. He has sent letters to all local owners of expensive radio sets, offering them a new form of insurance policy, covering protection on their set for fire, accident, theft, lightning, etc.

The Guard would like to hear from all Knights of the Dial in Eugene. What is there about your set that distinguishes it from the rest? Do you use bedspreads in the attic for an aerial? Have you hit on a new plan for get clarity with selectivity at a great distance? What stations have you listened to, and what were their programs? If your radio friend has accomplished anything out of the ordinary with his set, The Guard would like to hear of it.

TONIGHT'S PROGRAMS

KGO—Portland—455.1 Meters—10 p. m.—Multnomah Hotel Strollers, Sunday

10:30 a. m.—Service from First Presbyterian church; Dr. Harold Leonard Bowman, pastor. 3 p. m.—Municipal concert by wire telephony from public auditorium; chorus and soloists under direction of Mrs. Fred L. Olson; organ selections by Lucien Becker. 6 p. m.—Church services provided by the Pilgrim Congregational church; Dr. J. W. Price, pastor. 7 p. m.—Dinner program concert by Calburn's concert orchestra of the Hotel Portland; intermission solos by Genevieve Kiech, lyric soprano.

KGO—Oakland—290 Meters—1 to 5:30 p. m.—Concert orchestra of the Hotel St. Francis, San Francisco, Vinton La Ferrea conducting. 8 p. m.—Studio program. Part I—Program given by the San Francisco Musical club; Mrs. H. F. Stoll, president; Mrs. Ashley R. Faulk, chairman of program committee. Address, "The Proposed Changes in the Direct Primary Law." J. H. Zemansky, representing the Commonwealth Club of California, section of election laws. Part II—Given by the Arrillaga Musical college, San Francisco; Vincent de Arrillaga, director. 10 p. m.—1 a. m.—Dance music program by Henry Halstead's orchestra and soloists, Hotel St. Francis, San Francisco.

KFI—Los Angeles—469 Meters—7:45 to 8 p. m.—Book shelf chats, 8 to 9 p. m.—Instrumental trio, dot and solo numbers, 9 to 10 p. m.—Examiner program, 10 to 11 p. m.—Packard Radio club.

KHJ—Los Angeles—395 Meters—6:30 to 7:30 p. m.—Children's program presenting Prof. Walter Sylvester Hartwig, in a story of American history, David Durand, screen juvenile, Henrietta Polard, reader, pupa of Carter Weaver, George E. Crane, Jr., screen juvenile. 8 to 10 p. m.—Program through the courtesy of Silverwood's, arranged by J. Howard Johnson. 10 to 11 p. m.—Broad-casting Earl Boatman's Dance Orchestra from Baltimore hotel. 12 to 2 p. m.—Broadcasting the Lost Angels of KHJ. Presenting Majestic Six Orchestra. Ensemble of KHJ artists.

KPO—San Francisco—423 Meters—5:30 to 5:50 p. m.—Tea dansant. E. Max Bradford's Versatile Band playing in the Palace Rose Room Hotel.

KXN—Hollywood—337 Meters—6 p. m.—Green Mill Orchestra dinner program. 7 p. m.—D. B. Carpenter's Half Hour, 8 p. m.—Sallyburg and Alexander sponsoring a travel program, 10 p. m.—Hotel Ambassador, Abe Lyman's Coconut Grove Orchestra.

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LOCAL RADIO FANS RAISE PROTEST ON RADIATING OUTFITS

In Eugene, as in probably every other city in the United States, the question is now being brought up as to whether receiving sets that radiate interfering noises should be permitted.

It is a fact that some of the sets being used locally are spoiling the evening's entertainment for scores of other radio fans in the city, simply because the owner does not know how to handle the set properly.

Regardless of whether the regenerative set is right or wrong, they, like the coast, are always with us, so the best means of combating their effect is to point out the proper way to handle a radiating set.

A set that is radiating never can be delivering anything approaching sweet musical notes or a clear speech. At best there is a mushiness which thickens speech and garbles tones. If in another way a receiver owner can tell when his tube is in oscillation he surely can by turning down the filament and adjusting the plate circuit control. The point where it is clearest is the proper operating point.

Belonging in outside stations will be a bit more difficult, perhaps, but there will be greater satisfaction all around. Where signals must be handled should be lowered to the proper operating point the moment the station's carrier has been located and tuned in the beat note.

If the beat note can be picked up, then the program can be also without radiation.

Prizes for Best Work
The Argentine navy offers prizes to those of its operators who can copy code messages of 20 words at the rate of 22, 24 and 26 words a minute.

Exclusive in Peru
Broadcasting is a monopoly in Peru, and the government has announced to it. A ten-year concession has been granted one company for exclusive broadcasting rights there.

By Roy Grove

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STATION KDKA'S CROSSWORD PUZZLE NOW STARTING

VERTICAL - HORIZONTAL - CROSSWORD PUZZLE

THIS IS STATION WHICH WE WORK THE DAILY CROSSWORD PUZZLE

HORIZONTAL - PAYS STR. CROSS - GIVE CROSSWORD PUZZLE

STATION'S CROSSWORD PUZZLE

VERTICAL - HORIZONTAL - CROSSWORD PUZZLE

STATION'S CROSSWORD PUZZLE

VERTICAL - HORIZONTAL - CROSSWORD PUZZLE

STATION'S CROSSWORD PUZZLE

UNCLE SAM FAVORS USE OF RADIO BY SCIENTIFIC FARMER

Will radio accomplish something that has been a source of great concern to leaders in our national economic life as well as to the farmers themselves, namely, keep the boys and girls down on the farm?

No one can accurately answer the question at this time. But judging from letters written by farmers to the department of agriculture, the radio has opened up a new era for people living in small communities, while boys and girls seem a trifle less anxious to desert the old home town for the gay life of the city.

This also is the opinion of officials of the department of agriculture who make it their business to keep in close contact with the farmers and the conditions under which they labor. These men believe a radio set is a necessity and that there should be one on every farm.

To the end of encouraging use of radio by farmers, the bureau of agricultural economics recently made a survey of the extent of use of radio on farms. From the results of this survey, it was estimated that the total number of sets on farms has doubled within the past year; that there are now 364,800 farms with radio sets, compared to 145,350 last year.

Three Outstanding Reasons
The survey also revealed that there are three outstanding reasons why a number of farmers do not get radio sets. In the order of their importance, these are:

1. Many farmers do not know how to operate a radio set, or how to set it up for operation.
2. Many farmers fear that if they buy a set it may be out of date within six months.

3. The radio is still classed as a luxury by many farmers, instead of a necessity. These farmers are waiting for more favorable circumstances before purchasing a set.

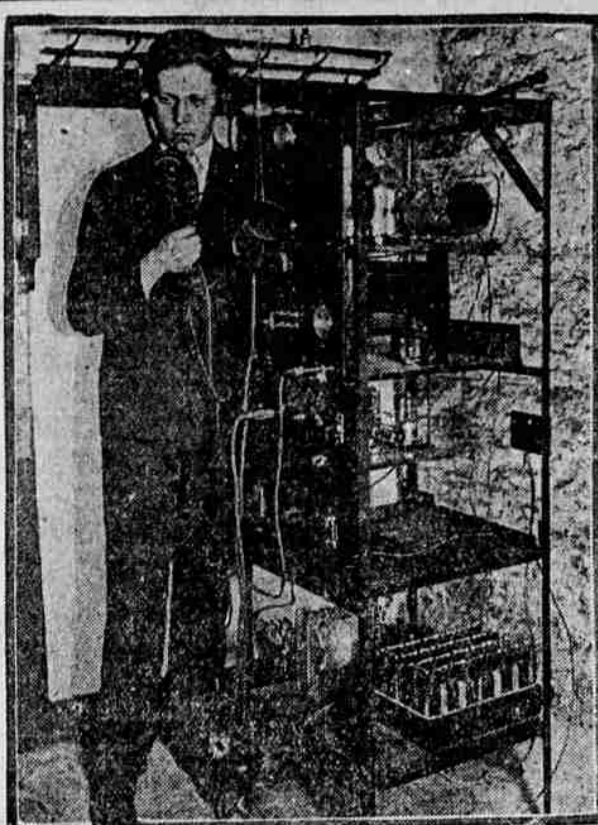
If the farmer buys his set assembled, he should have no trouble at all in setting it up for operation. Only two things are necessary: to construct an aerial, a ground, and hook them to the set, which almost any boy can do.

Some of the best radio engineers in the country, and of the world for that matter, have recently informed the writer that they believe the present day radio set will be "up to date" for many years. Of course, there will be many improvements in the construction of sets, such as simplicity of tuning, increased selectivity, different hook-ups employed, etc. But none of these will render the present-day radio set obsolete.

Because of weather reports, market news and other valuable information which can be obtained by the farmer with a radio set, officials of the department of agriculture class it as a necessity.

BOY HAS BROADCASTING STATION

Home Made Outfit has Been Heard as far Away as Chicago in Early Efforts.



E. W. Edwards, Cincinnati amateur, built this little broadcasting station himself. It's in the cellar of his home. Edwards has broadcast test programs and has been heard as far as Chicago, on his 200-watt transmitter, but he has to wait for further operations until the government assigns call letters for it.

RADIO BUSINESS SETS NEW RECORD

Radio exports during 1924 probably exceeded \$5,000,000, according to incomplete figures prepared by the department of commerce. This is nearly twice the amount of exports for 1923. The figures show that Canada is the principal foreign buyer of American radio sets and apparatus.

Exports to Mexico increased throughout the year while Cuba was a growing market during the entire year. South America has been a new and growing market for American sets while exports to Australia and New Zealand also showed a big increase. "As has been true since radio assumed a commercial role," says the department of commerce, "the exportation of storage batteries, both primary and secondary, again showed a decided increase in 1924 over that of the previous year. In the case of primary batteries however, the increase in the shipments of flashlights—\$692,307 gain was probably due principally to the market for the first eleven months of 1924 as against \$455,361 for the same period of 1923."

"Of special interest is the radio business itself, which, due largely to the ever-growing market caused by the dissemination of radio knowledge throughout the world, together with the ever-growing tendency in other countries to remove restrictive measures that have hampered the manufacture and use of radio, and the greater freedom granted to broadcasting stations in operation and the progress of construction, by each foreign government in question, have also contributed toward making our 1924 exports in this class practically twice that of 1923. Our radio exports, by value, for the year just passed will undoubtedly exceed \$5,000,000."

The German government has stalled at Hamburg, Germany, facilities for regulating time to a tenth of a second so that it may be broadcast twice daily from the powerful naval wireless station.

Chinese national troops at the Shanhaiwan front under command of Marshal Wu Pei Fu, fought against the Manchurian invasion of the Peking troops to protect the unity of the country and were greatly assisted by the adoption of modern portable transmitters and receivers employed to keep in constant touch with headquarters and outposts.

Though blind, Harry Scott, bulb h's own radio set. He followed a new Braille system blue print of the circuit connection, feeling out each raised line on the print and placing the wire in the set in accordance with the circuit.

Sour milk was the material employed by L. Abrams of New York city in building a novel set. He constructed the cabinet, panel and dishes from sour milk, coloring it with dyes before it hardened.

A monkey named Joey caused an amateur in Chambersburg to believe that England was experiencing some trou-

ble static. Joey found his way to the roof and made use of the antenna he found there for a tight rope. The amateur happened to be listening in at the time and described the sounds as raucous.

Static control is a name that could be given to the system developed by Prof. H. M. Sheldon of the department of physics of New York university. By rubbing a piece of ebonite with cat's fur and allowing the static electricity thus accumulated to effect a sensitive vacuum tube relay circuit he is able to control the actions of a 110 volt motor, starting and stopping it at will.

A cloth bag containing lime will prevent dampness in coils of a radio set if it is placed inside the cabinet.

Within a period of one year the number of broadcasting stations within the limits of the United States increased over 500 per cent.

Station KJPC, Pasadena Presbyterian church, will now, immediately preceding the morning and evening Sunday services, broadcast a detailed announcement of the program, giving names and composers of organ numbers, scripture and text references, hymn numbers, with possibly the reading of the first verse of each.

The Hollywood Broadcasters, Inc., who have purchased the former equipment of KFL are now installing the set in Hollywood. They will be on the air within 30 days, with call letters KK. They will be a 500-watt station, 252 meters.

Prize for Amateur
American Radio Relay League announces the prize of an engraved plaque for the amateur who handles the most messages in three months. The award is offered by one of the amateurs.

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Greer-Callahan Store

858 Pearl Street Phone 33

New Federal

The new 5 tube Federal radio is simple to operate—only 2 dials—selective—distance and cabinet unexcelled. Complete for \$200. Reasonable terms. Five tube, 3-dial control, complete with aerial and loud speaker, only \$109. Reasonable terms.

\$4.00 Cunningham and DeForest Radio Tubes \$3.50
\$3.75 Yale and Eveready "B" 45 volt battery \$3.50
Wet 100 volt "B" battery only \$26.00
50 hour "A" battery \$10.50
100 hour "A" battery \$14.50
Magnavox, Manhattan and Rola loud speakers \$10 and up

—Come in, take home a loud speaker on approval

PROGRAM
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684 OLIVE ST. PHONE 1827

Before You Buy a Radio—See

KILBOURNE AND CLARK'S AIR ROAMER and AIR RULER

5 tube sets complete

ALSO
The new **SOMERSET LINE** of four and five tube sets are in.

Come in and see us or let us demonstrate

Berry Piano and Furniture Co.

740 Willamette St.

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About February first we will open a complete **RADIO DEPARTMENT**, including tubes, batteries, speakers and accessories, with the following well known receiving sets:

BRUNSWICK - RADIOLAS—
Six different styles of radios and phonographs in combination Cabinet models.

Radiola—Super-Heterodyne
Radiola—Regenflex
Atwater Kent Super-Receiver
Gilfillen Neutrodyne

We are now looking appointments for evening demonstrations in the home with no expense or obligation. We solicit an opportunity to prove the superiority of our service in Radio.

Pianos
Phonographs
Records

LARAWAY'S

New Laraway Building

Sheet Music
Player Rolls
Phone 1