

NAVY TO SET PACE IN WAVE ACCURACY

WASHINGTON (AP)—To improve communications and to prevent interference, Capt. S. C. Hooper, director of naval communications, has recommended that all navy radio stations measure the frequency of their transmitters at least once every four hours.

The Navy should set the standards for commercial interests in accuracy of frequency adjustments, Capt. Hooper says. The need of correct transmission, he asserts, is increasingly important, as more commercial stations are put in operation.

"At present the Navy in general is not maintaining frequency adjustments as accurately as is considered practicable, judging from the measurements taken and from reports of interference," he said. "Practically all radio men at any station should be able to take measurements and know how to make the necessary adjustments."

Radio to Carry Malska's Voice For First Time

NEW YORK (AP)—Ganna Walska, operatic singer, is to make her first radio appearance on Thanksgiving afternoon. With Miss Belle Baker, singing



GANNA WALSKA, comedienne, she will sing from WEAF and stations. Each will give four numbers. One Miss Walska's program will be Elizabeth's entrance aria from "Tannhauser."

Radio Business Reaches High Mark

WASHINGTON (AP)—Radio apparatus and tubes valued at \$191,248,665 were manufactured in the United States in 1927, the biennial census of 1928 taken by the Department of Commerce shows. This is an increase of 8.4 per cent as compared with \$176,999,334 for 1925, the last preceding census year.

The production of tube-type receivers in 1927 was 1,928,492, valued at \$94,650,931, a decrease of 19.1 per cent in number, but an increase of seven-tenths of one per cent in value as compared with 2,295,700 sets, valued at \$93,356,546, in 1925. The production of socket power devices in 1927 aggregated 1,405,191, with a value of \$22,557,814, or 12.4 per cent of the total value of radio apparatus manufactured during the year.

On Programs of National Broadcast During Week

Sunday—December 2
3:00 to 4:30 p. m.—Sunday afternoon concert, KHQ, KOMO, KGW, KFO, KFI, KGO.

4:30 to 5:00 p. m.—Biblical dramas, KHQ, KOMO, KGW, KPO, KFI.

9:00 to 10:00 p. m.—Atwater Kent program, KHQ, KOMO, KGW, KGO, KPO, KFI.

Monday—December 3
6:30 to 7:30 p. m.—General Motors Family Party, KHQ, KOMO, KGW, KGO, KFI.

Wednesday—December 5
10:30 to 11:30 a. m.—"Woman's Magazine of the Air," KHQ, KOMO, KGW, KGO, KPO, KFI.

9:30 to 9:50 p. m.—"Roads to Romance," by Associated Oil Co., KHQ, KOMO, KGW, KGO, KPO, KFI.

The "Roads to Romance" travels of "Jack and Ethel, the Associated Motormates," whose motor tubes are bringing them to every interesting locality in the "Wonderland of the West," come before the microphone tonight to tell of their latest pleasure jaunts somewhere in Washington, Oregon or California.

Thursday—December 6
11:30 to 12:00 a. m.—Standard school broadcast, KHQ, KOMO, KGW, KGO, KPO, KFI.

8:30 to 9:30 p. m.—NBC System Memory Lane, KOMO, KGW, KGO, KFI.

Friday—December 7
8:00 to 9:00 p. m.—RCA hour, KHQ, KOMO, KGW, KGO, KPO, KFI.

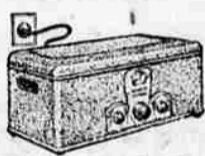
Saturday—December 8
7:00 to 8:00 p. m.—Lucky Strike hour, by American Tobacco Co., KHQ, KOMO, KGW, KGO, KPO, KFI.

Medford is the county seat and metropolis of the Rogue River valley and gateway to Crater Lake.



CHOOSE YOUR RADIO FOR CHRISTMAS THERE'S A CROSLEY FOR EVERY PURSE AND PURPOSE

From the powerful 8-tube Showbox to the compact 5 tube Bandbox, Jr., you are sure to find the model which will suit your requirements exactly. Four splendid Crosley receivers—products of radio genius—set new standards for radio performance and radio values which exceed anything known previously in radio. The marvelous Musicone and the new Dynacone offer new pleasures—new enjoyment to their listeners. There are two Crosley receivers for AC Electric operation—each a complete, self-contained unit—each adaptable to any style of console cabinet. The improved Bandbox provides still more striking performance with wet A battery operation. Improvements in the Bandbox, Jr., make it the world's leading value operated completely from dry batteries. Read the brief description of each Crosley receiver and speaker on this page. Select the model which meets your requirements as to price and method of operation. Then—try it free for two days in your own home. Then you will know for yourself that Crosley Radio is even better than we say it is.



The Showbox
(8 TUBE A C ELECTRIC)

This new member of the Crosley family is destined to make a national reputation for itself in a few months. A new, completely shielded, gang condenser simplifies tuning. It has 8 tubes, including the rectifier. This powerful Neutrodyne is completely shielded. The Showbox is also made in a Direct Current model for use with 110-volt direct current. The tuning circuit is the same as for the A C Showbox. You must hear it to really appreciate it.

\$85.00
(Tubes Extra)

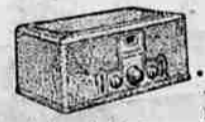
D C Model Showbox, using 8 tubes **\$90.00**



The Bandbox
(6 TUBE BATTERY TYPE)

This wonderful receiver stands alone in the field of radio operation with storage batteries or external power supply units. For those to whom A C power is not available, the Bandbox is virtually without competition. Completely shielded, with accumulators for sharp tuning, illuminated dial, 6 tubes, and many other features, the Bandbox is making more thousands of new friends every day. The Bandbox with the famous Crosley Musicone will bring you new pleasure and satisfaction.

\$59.00
(Tubes Extra)



The Bandbox, Jr.
(5 TUBE DRY CELL TYPE)

This Crosley receiver was designed to fill a long-felt need for a set of moderate cost, operated entirely from dry batteries. To the features which have already made this set famous among dry battery receivers has been added an extra tube, bringing in distant stations with more volume and making the set easier to tune. The Bandbox Jr. is noted for its economical current consumption which is surprisingly low when you consider its marvelous volume and tone.

\$37.00
(Tubes Extra)



The Dynacone
(DYNAMIC SPEAKER)

The notable features of the new Crosley Dynacone are its brilliant and clear separation of different tones, enabling one to pick out readily the various instruments and adding tremendously to the realism of the performance. The Dynacone is designed for use with A C receivers only. The real quality and the marvelous performance of this speaker cannot possibly be measured by its low price.

\$27.00

Rules for Distance Competition

WHO CAN ENTER THIS CONTEST

Any person residing in the state of OREGON and the counties of CLATSOP, SKAMANIA and KLICKITAT in the state of Washington, except those connected with an authorized Crosley or Amrad dealer or who is not a member or relative of a member of our organization.

CONTEST

Anyone not eliminated by the above condition who receives (on any make of set) TEN (10) stations whose air line distance from station KFJR, Portland, Oregon, added together makes the greatest total will be declared the winner, the second greatest total, the second prize, and so on.

EXAMPLE:

Station JOAK, Japan	.....	miles
WLAW, Cincinnati	.....	miles
WGY, Schenectady	.....	miles
WBBM, Chicago	.....	miles
KFI, Los Angeles	.....	miles
KGO, Oakland	.....	miles
KPO, San Francisco	.....	miles
KOA, Denver	.....	miles
KSL, Salt Lake	.....	miles
KFRC, San Francisco	.....	miles
Total	.....	miles

Reception from each of the ten stations must have been made between October 30th, 1928, and January 20th, 1929, and must be verified by an acknowledgment card or letter from the station bearing date within that period. (NOTE: All stations will acknowledge with a card or letter verifying reception upon request.)

CONDITIONS

1st. That each of the ten stations must be received between October 30th, 1928 and January 20th, 1929, and be verified by a proof of reception card from each station listed.

2nd. That all listings must be submitted on a standard form that will be supplied on request by any Crosley or Amrad dealer or will be mailed from our place of business if a return addressed and stamped envelope is furnished by applicant.

3rd. That the contestant submit a signed form from any Crosley or Amrad dealer stating that he has been shown a 1928-29 model Crosley and Amrad receiving set.

4th. That all mileage claims submitted on the proper form, together with proof of reception cards or letters and dealers report that contestant has seen the new Crosley-Amrad lines must be in the hands of the Northwest Auto Equipment Co., 45 North Ninth St., Portland, Oregon, not later than 12 o'clock noon, January 21st, 1929.

PRIZES

- First Prize— \$100.00 Merchandise Certificate
- Second Prize— 75.00 Merchandise Certificate
- Third Prize— 50.00 Merchandise Certificate
- Fourth Prize— 40.00 Merchandise Certificate
- Fifth Prize— 35.00 Merchandise Certificate

ANNOUNCEMENT OF PRIZE WINNERS

The Prize Winners will be announced over station KFJR at 11:00 p. m. Wednesday, January 23rd, 1929, and will be determined by three disinterested parties.

The Gembox

(6 TUBE A C ELECTRIC)



This is the first completely self-contained A C set—in fact, the first A C receiver of any type—to be offered at such an astonishing price. Six tubes, including the rectifier, with the famous 171 power tube, utilizing the genuine Neutrodyne circuit in combination with the non-radiating, regenerative detector tube which, in itself, is equivalent to one additional stage of radio amplification. The Gembox is highly sensitive because of the fact. Distant stations can be built up to tremendous volume. Like the Jewelbox and the Showbox, the Gembox operates from 100 to 125 Volts A C line current, and is built for both 60 cycles and 25 and 40 cycles. Think of it!

\$69.00
(Tubes Extra)

2 Days Free Demonstration in Your Own Home

We want you to try a Crosley receiver and a Crosley speaker in your own home. We ask the opportunity to let the Crosley prove that it will do all—and more—than we say it will do. We want you to enjoy the life-like tone—the undistorted volume that Crosley brings to you. Then you will want to compare this amazing performance with Crosley low prices, and you will understand the wonderful value you receive in Crosley radio. Simply select the model you wish to try. Telephone us for an appointment and we will arrange to send you the receiver and speaker for a full 2 days' free demonstration in your own home, without obligation on your part.

The World's Greatest Radio Value



This amazing value includes the Crosley AC Gembox with Dynacone dynamic speaker installed in a beautiful Showers Bros. walnut veneer console of surpassing grace and beauty, 38 inches high. Note the beautifully turned legs and graceful proportion and the artistically designed bottom stretcher which not only adds a greater measure of beauty but an unusual sturdiness of construction. The most beautiful grained veneers have been selected to form exquisite matched patterns, and genuine wood carvings add a decorative note of real distinction. All the beauty of fine Showers Bros. cabinets plus the wonderful Crosley Gembox and the Amazing Dynacone for only

\$124.00
(Tubes Extra)

(Other Crosley receiving sets in Showers Bros. consoles—all unusual values).

The Musicone



Continued improvements and refinements in manufacturing details are constantly being made in the popular Musicone. Brilliance and perfection of tone are two features which instantly attract attention. The Musicone can be utilized with any Crosley set, and is recommended particularly for the Bandbox and Bandbox Jr. In fact, the Musicone can be used with any radio set on the market.

\$16.00

402 EAST MAIN

THE MUSIC BOX

PHONE 433