



**W**ITHIN fifteen days after opening KOA, the new station of the General Electric Company at Denver, has become a national institution. Close to 20,000 letters, postcards and telegrams of applause have been received from radio fans. The new broadcaster, known as the Rocky Mountain station, has been heard in Newfoundland, Key West and Havana on the east and south, and points in the Pacific and the Hawaiian islands on the west. Staff members point to the new station's accomplishments since the opening, Dec. 15, as indicative of what may be expected during 1925.

Radio listeners who are opposed to children's programs and bed time stories should tune in WOC some evening at 7 p. m. and listen to Miss Val McLaughlin, the WOC "sandyman." It's an even money bet that the charming voice of this young lady will win you over and make you a regular listener.

WOC's new station, combined with some excellent talent, has been giving the radio fans some wonderful

programs during the past several weeks.

**R**ECEIVING conditions have improved greatly during the past week. Distant stations have been coming in with excellent volume and there has been very little interference from static. Thursday and Saturday evenings were ideal and both evenings were blessed with excellent programs. The outstanding event on last week's programs was the Victor program broadcast by WBAF, WCAE, WGR and several other eastern stations. John McCormack, world renowned tenor, and Madame Bori, famous operatic star, made their radio debut on this program, and, according to the letters, telegrams and cards received by the Victor Company, they were heard in almost every part of the United States and Canada. Similar concerts presenting stars of the opera and concert world, will be given every other Thursday evening. These programs, combined with the Brunswick Hour of Music, which go on the air every Tuesday evening, will provide the radio listener with the best music obtainable.

If you enjoy real dance music dial WTAM on 390 meters any Saturday evening and listen to Ev Jones and his WTAM orchestra. It is hard to find a better group of entertainers anywhere on your dials.

When a man leaves prison he needs all the aid possible to help him back into society. Radio has proved a valuable asset in the case of Harry M. Snodgrass, known to thousands of listeners through station WOS. Many gifts have been sent to him and his family on the eve of his departure from confinement. It is the writer's belief that Snodgrass will prove himself worthy of all that radio fans have done for him.

### PATENTS

**By Times Special**  
WASHINGTON, Jan. 8.—Three patents on radio inventions were granted by the United States Patent Office during the past week. A brief description of each of these inventions follows:

**RADIO GAME** (1,520,082), invented by Commander William R. Purnell of the United States Navy. The radio game invented by Commander Purnell is somewhat on the order of tiddle-de-winks. A four-wire antenna, mounted on small masts, is provided with chips having hooks on them. The chips are tossed, or snapped, with the object being to hook them on the antenna. Each wire of the antenna has a certain value and a chip hooked on it gives a certain score to the player.

**VARIABLE CONDENSER** (1,520,329), invented by C. S. Cherpeck of Chicago, Ill. One of the main objects of this invention is the provision of a variable condenser especially adapted for radio work, provided with means whereby the capacity of the same may be varied through quite a wide range, and which variation shall be manually controlled so as to enable the operator to make very delicate adjustments for proper tuning and variation of wave lengths.

**CONDENSER AND HOLDER THEREFOR** (1,520,027), invented by A. Atwater Kent of Ardmore, Pa., and assigned to the Atwater Kent Manufacturing Company. This invention provides a condenser unit or structure having terminal strips communicating with the different armatures or plates of the condenser and extending longitudinally of the unit exteriorly there to and then transversely.

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### WIRELESS SAVES LIVES

**Crew of Ship Saved After Call for Help.**

WASHINGTON, Jan. 8.—An instance of where radio saved the lives of the crew of a vessel, has just been reported by the Light-house Service. George K. Martin, mate of Pollock Rip Light Vessel No. 110, on the afternoon of Nov. 17 received distress from the schooner Rebecca G. Whelden, which was pounding over the broken part of Pollock Rip. The mate sent out a wireless call for help and this was answered by the steamer A. L. Kent, and the crew was rescued at 5:25 p. m. by the vessel. The schooner was lost, but it was probably through the alertness and prompt action of the mate that the crew was saved.

### DX Causes Blow-Up

R. B. Bourne, an amateur of West Hartford, Conn., was so excited when he heard another "ham" from New Zealand that he put on all the power he could to maintain communication and soon found himself sitting on the floor with his entire set a wreckage around him.

## END TO SPARK STATIONS URGED

Interference Is Given as Reason for Move.

**By Times Special**

WASHINGTON, Jan. 8.—Abandonment of spark transmitters by amateur radio stations because of interference to broadcast reception is urged by the Department of Commerce in new regulations governing their operation which have just been issued to all radio supervisors.

The new regulations, which specify future wave lengths for amateur stations, also compel them to observe silent periods between 8 and 10:30 p. m. daily and during church services on Sunday whenever they tend to interfere with broadcast reception.

New wave lengths to be used by amateurs are 150 to 200 meters, 75 to 85.7 meters, 37.5 to 42.8 meters, 18.7 to 21.4 meters and 4.69 to 5.35 meters.

There being no further need for

special amateur station licenses, owners of station holding such licenses will be permitted to continue use of their "Z" calls under regular amateur station licenses. No new "Z" calls will be issued.

The privilege of using the wave lengths from 105 to 110 meters is withdrawn.

### Megaphone Speaker

A 25-cent megaphone will make a good loud speaker if used in connection with a good loud-speaker unit. The unit and rubber phonograph adapter is fastened in the small end of the megaphone with paraffin or glue.

### WOAW Raises Power

Station WOAW, at Omaha, Neb., has doubled its power from 500 to 1,000 watts and will broadcast at this power when the occasion necessitates it. Otherwise, broadcasting will continue on 500 or 750 watts.

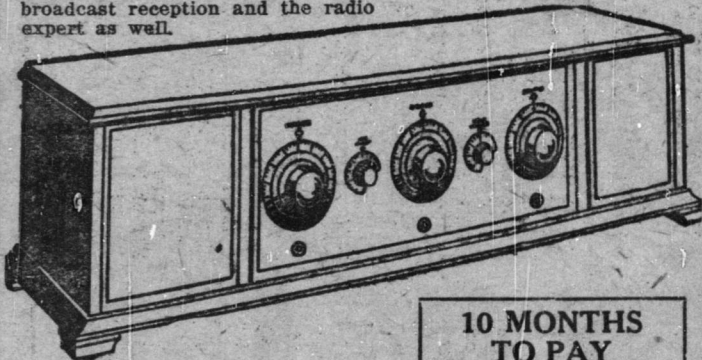
## RADIO SETS Built and Repaired

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Meets the needs of those interested in radio for the pleasure of broadcast reception and the radio expert as well.



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### Parts for REMLER Super-Heterodyne Kit

- |                                 |                |
|---------------------------------|----------------|
| 1 Remler Kit.....               | \$26.00        |
| 8 Remler Sockets.....           | 6.00           |
| 2 Remler Condensers.....        | 10.00          |
| 1 Marco Neutral Condenser.....  | 1.25           |
| 2 No. 1020 "C" Batteries.....   | .70            |
| 1 No. 1051 Battery.....         | .15            |
| 2 "Marco" Jacks.....            | 1.40           |
| 2 Patent Rheostats.....         | 2.00           |
| 1 C. H. Pull Switch.....        | .60            |
| 1 Weston 0-5 Meter.....         | 8.00           |
| 1 Building Post Set.....        | .75            |
| 2 3/4-1 Kellogg Transform.....  | 9.00           |
| 1 1Mfd Condenser.....           | 1.25           |
| 1 Electrad Lead and Mount.....  | .60            |
| 1 Kapictan 00025 Mica Con.....  | .35            |
| 3 Kapictan 0025 Condensers..... | 1.50           |
| 1 Kapictan 006 Condenser.....   | .85            |
| 1 Kapictan 0005 Condenser.....  | .35            |
| 1 Formica Drilled Panel.....    |                |
| 1 7x27x3-16.....                | 6.25           |
| 1 Formica Drilled Panel.....    |                |
| 1 2x26x3-16.....                | 7.00           |
| 1 Formica Drilled Panel.....    |                |
| 1 2x1x1/2.....                  | .50            |
| 1 1/4x1/4x27 Angle Bracket..... | .50            |
| 5 Small Brackets.....           | .50            |
| Wire.....                       | .50            |
| Spaghetti.....                  | .60            |
| 1 Loop KD complete.....         | 9.00           |
| <b>Total.....</b>               | <b>\$95.65</b> |

The ideal radio receiver — the most sensitive of all circuits devised for extreme long distance reception with small loop antenna and dry cell tubes.

We furnish formica panels, drilled and tapped; all the brackets, screws and hardware; in fact, everything.

This kit is ready for complete assembly. See this model set at our radio department. If you can't assemble it, we can. Get our prices.

## Hatfield Electric Co.

Meridian at Maryland—MA in 0123

## SPECIAL FRIDAY and SATURDAY CITIZENS RADIO CALL BOOK

A complete radio cyclopedia containing both American and foreign broadcasting stations, log and distance sheets, maps, construction and trouble-finding data and other valuable information. Special Friday and Saturday only.....

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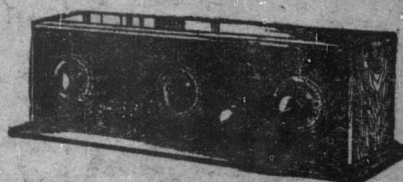
## PARTS FOR 45,000 CYCLE SUPER-HETERODYNE RECEIVER, \$57.86

- |  |         |
|--|---------|
| 1 Baldwin-Pacific Super-Het Kit .....                | \$15.00 |
| 2 .0005 General Instrument Variable Condensers ..... | 11.00   |
| 1 .006 M. F. Fixed Condenser .....                   | .75     |
| 3 .0025 M. F. Fixed Condenser .....                  | 1.20    |
| 3 .00025 M. F. Fixed Condenser .....                 | 1.05    |
| 1 .0005 M. F. Fixed Condenser with Leak.....         | .75     |
| 1 1 M. F. Condenser .....                            | 1.00    |
| 1 20 Ohm Rheostat .....                              | .75     |
| 1 6 Ohm Rheostat .....                               | .75     |
| 1 Shelton Midget Condenser .....                     | 1.50    |
| 2 Thordarson 3 1/2 to 1 Audio Transformers.....      | 8.00    |
| 1 Open Circuit Jack .....                            | .50     |
| 1 Filament Control Jack .....                        | .85     |
| 8 199 Benjamin Sockets .....                         | 8.00    |
| 8 Binding Posts .....                                | .25     |
| 1 7x26-Inch Bakelite Panel .....                     | 4.26    |
| 100 Feet Loop Aerial Wire .....                      | 1.50    |
| 30 Feet of Bus Tinned Copper Wire.....               | .75     |

\$57.86

## 5-Tube RADIODYNE JR.

A high-grade tuned radio frequency receiver, the result of many years of intensive research in the laboratories of one of the oldest firms working in X-Ray and radio frequency circuits. It has great sensitivity, extreme selectivity, long range, tunes sharply and clearly and is easy to operate. The case is finished in hand-rubbed mahogany. The set comes complete with storage battery, tubes, loud speaker, etc. There is nothing extra to buy. Come in and see it tomorrow. No obligation.



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