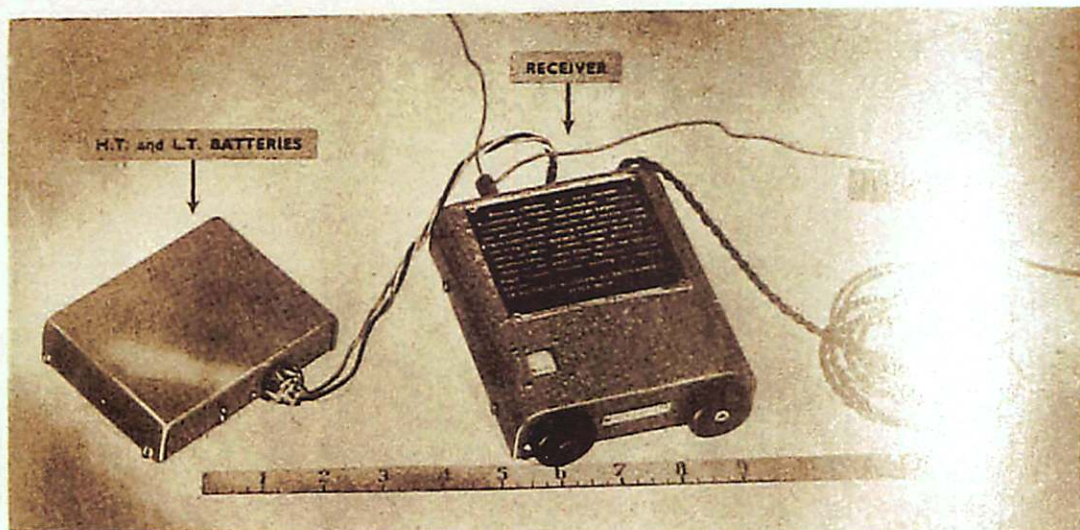


# R.C.D. RECEIVER, TYPE 31/1 PROPAGANDA SET

## GENERAL DESCRIPTION.

The R.C.D. type 31/1 is a pocket receiving set, employing three battery-operated miniature valves in a T.R.F. circuit. It is suitable for radio telephone and C.W. Morse reception, on the 25—50 metre band (6 to 12 Mcs.) The receiver and batteries (H.T.—L.T.) are housed in separate steel boxes, sprayed with grey crackle cellulose. The controls provided are "Tuning" and "Regeneration," the drum tuning scale being calibrated in metres. High and low tension supplies are connected when the receiver power cable is plugged into the correct socket on the battery box. The very sensitive telephones are of the miniature crystal deaf-aid type, which fit into the ear.

The receiver has been designed for operation in temperate or sub-tropical climates, primarily Western Europe, in which good reception should be obtainable from any of the short wave B.B.C. news transmitters. The mechanical construction is such as to ensure a high degree of durability.



## DIMENSIONS AND WEIGHT.

|  | Length.           | Width.            | Depth.            | Weight.      |
|--|-------------------|-------------------|-------------------|--------------|
| Receiver   | 5 $\frac{1}{2}$ " | 4 $\frac{1}{2}$ " | 1 $\frac{1}{2}$ " | 1 lb. 2 ozs. |
| Battery unit (including H.T. and L.T. batteries) | 4 $\frac{1}{4}$ " | 3 $\frac{1}{2}$ " | 1"                | 1 lb.        |

## POWER SUPPLY.

Miniature 30 V. H.T. Dry Battery.

Standard 4.5 V. L.T. Dry Battery.

## POWER CONSUMPTION.

H.T. 0.5 m.A.

L.T. 50 m.A.

## BATTERY LIFE.

The H.T. and L.T. batteries will give useful service for 100 and 30 hours respectively, if used for a period not exceeding 1 hour and then given approximately the same interval of rest. Continuous operation will reduce these figures to 50—60 hours H.T. and 8 hours L.T. In temperate climates batteries should be put into service within 6 months from the date of manufacture. This period will be shorter in hot damp climates.

## ACCESSORIES AND SPARES.

Miniature Crystal Telephones, wire for aerial and earth, 2 spare L.T. batteries and 1 spare H.T. battery are provided.

## PACKING.

The crystal 'phones are sealed in a small tinned-steel container; this, together with all other items, including accessories and spares, are placed in cardboard wrappers, and then packed in a cardboard box. This method of packing is suitable for road and rail transport, and may be flown, provided the altitude does not exceed 15,000 ft.

When carried at higher altitudes, or transported by sea, it is essential that the cardboard box be placed in a tinned-steel container and hermetically sealed.

SIZE WHEN PACKED. 7 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " x 3".

WEIGHT. 3 $\frac{1}{2}$  lbs.