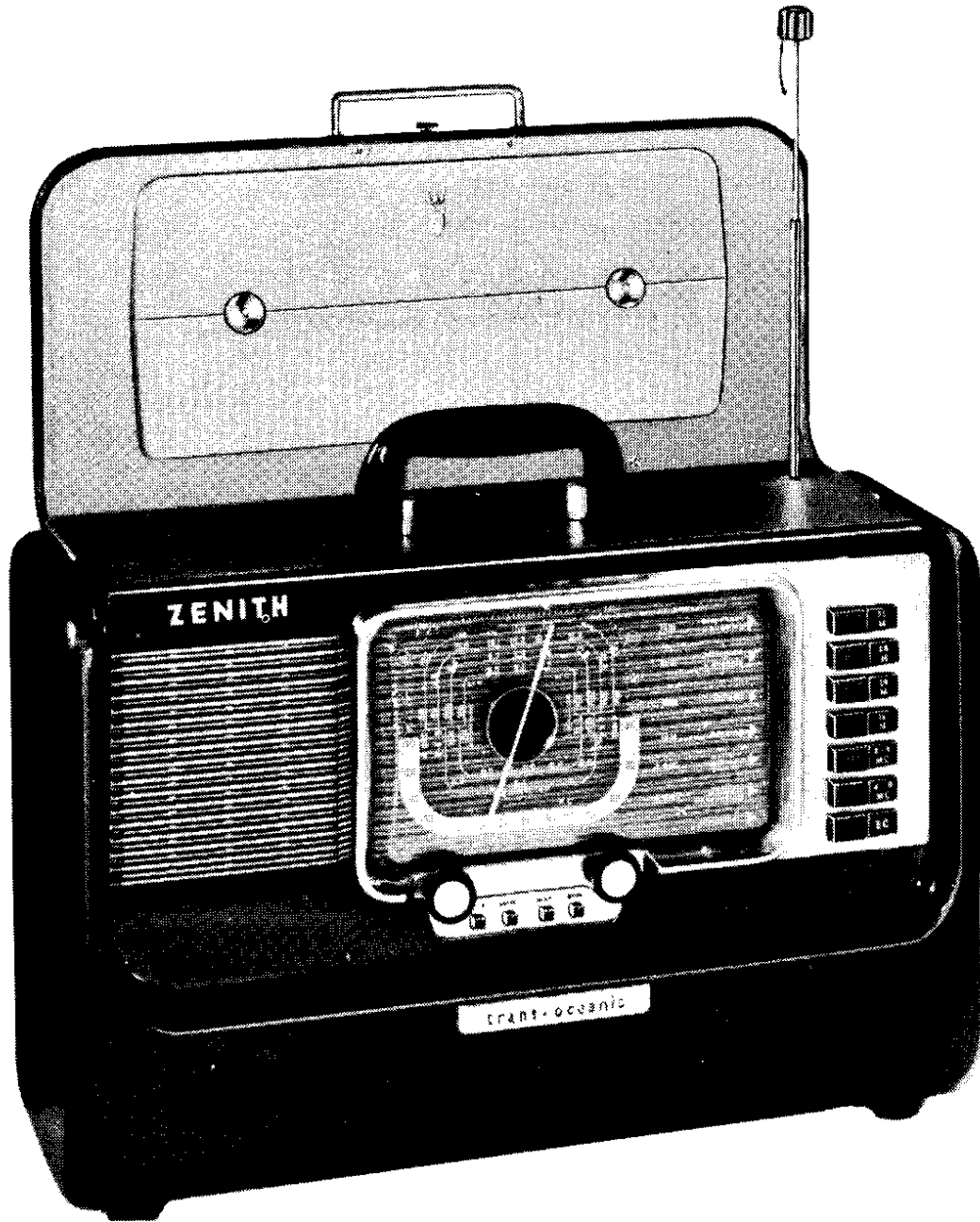


# Zenith



*Super*

**TRANS-OCEANIC**

**PORTABLE**

## *There Is a World of Entertainment and Pleasure In Your New Zenith Portable*

### *General Features*

Your Zenith Super Trans-Oceanic portable will operate on battery or 110 Volt AC-DC current. It uses a selenium rectifier and is a 5 tube superheterodyne radio, covering the standard broadcast, foreign, domestic short-wave bands, and has continuous short-wave coverage from 2 to 8 megacycles (38 to 150 meters). It has seven tuned circuits, and a 3 section tuning condenser with a tuned radio frequency stage insuring maximum sensitivity and selectivity. Freedom from blasting on powerful stations is assured by a new automatic volume control circuit which controls 3 tubes on the broadcast band. A Deluxe Alnico 5, rubber mounted, permanent magnet, speaker in conjunction with an improved audio system provides finer tone than ever before.

The four button "RADIORGAN" tone control permits selection of 16 different tone combinations. The built-in removable WAVE-MAGNET provides reception in trains, planes, automobiles, boats, and steel constructed buildings. This standard Wavemagnet is located on the inside of the front cover and a special extension cable is provided for its use on windows of automobiles, planes, trains, etc. To bring in short-wave stations with greatly added volume turning the knob on the top right hand corner of the cabinet allows a WEVEROD Antenna to snap up, which, when fully extended, provides increased pick up for short-wave reception.

Two terminals have been provided at the left rear of the chassis marked "A" and "G" for external antenna and ground connections. These are for use in areas of extremely low signal strength. By merely connecting an external antenna and ground to these terminals, signals previously impossible to obtain are in many cases received with the volume and clarity of local broadcasts. This external antenna and ground is automatically connected to the proper standard or short-wave circuit when the operator presses the band selector buttons.

The band selector buttons on the front panel provide an easy means of selecting the standard broadcast (BC) or the short-wave band most suitable to the time of day. Each short-wave band is electrically SPREAD, which means that stations are separated from each other to a

degree permitting great ease of tuning. A calibrated second scale has been incorporated in the top edge of the dial face. It permits short-wave stations to be accurately logged and easily relocated.

All parts are fully treated against moisture, temperature, and other climatic conditions. Variations in the performance of the receiver because of seasonal or geographic changes are held to a minimum, and the receiver will operate at its maximum efficiency throughout the world. Power consumption on the electric light line is 10 watts.

When the receiver is to be used in areas outside of continental U. S. A. where 110 volts AC/DC is usually not available, ballast adaptor No. S-15715 must be used. This ballast adaptor reduces 220 volts AC or 220 volts DC to 110 volts AC or 110 volts DC necessary for proper operation of the receiver.

## *Operating Instructions*

**READ CAREFULLY — KNOW YOUR ZENITH**

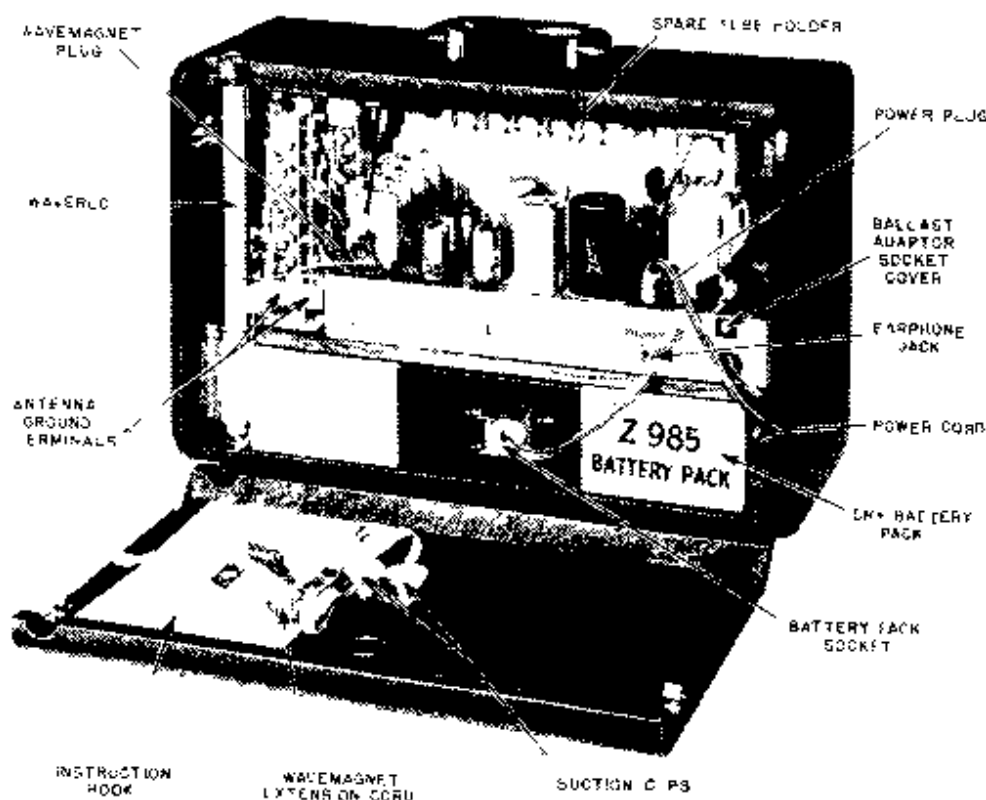


Figure 1.—Rear View, Back Cover Open.

### **1. PREPARING THE RECEIVER FOR OPERATION**

- A. OPEN REAR DOOR OF CASE by simply pulling on finger grip provided.
- B. Place the battery pack into the compartment provided below the

receiver chassis and insert battery cable plug into receptacle provided for on battery. When making replacement of the battery pack be positive to use only Zenith built Z985 battery pack.

## 2. BATTERY OPERATION

- A. INSERT LINE CORD PLUG into the Battery Saver Switch socket on top rear of chassis. (See Figure 2.)

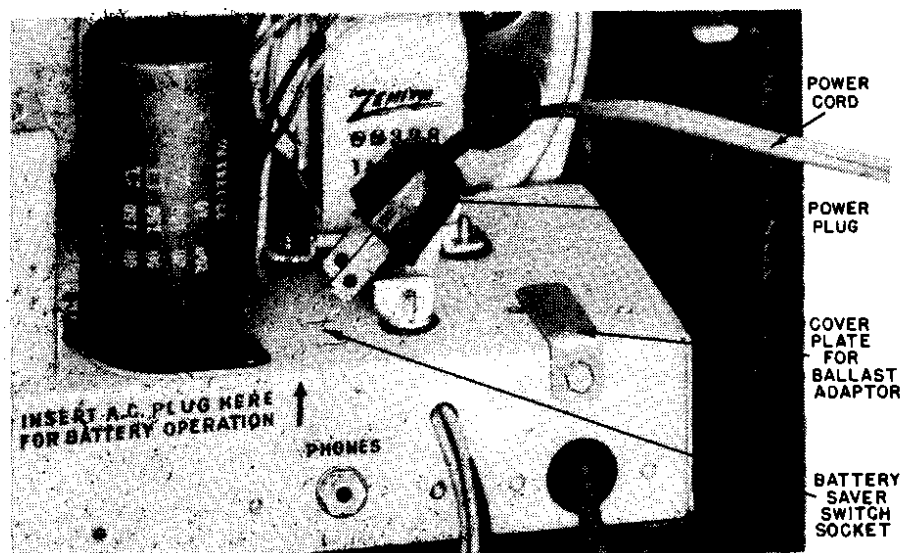


Figure 2.—Insertion of Line Cord Plug Into Battery Saver Socket.

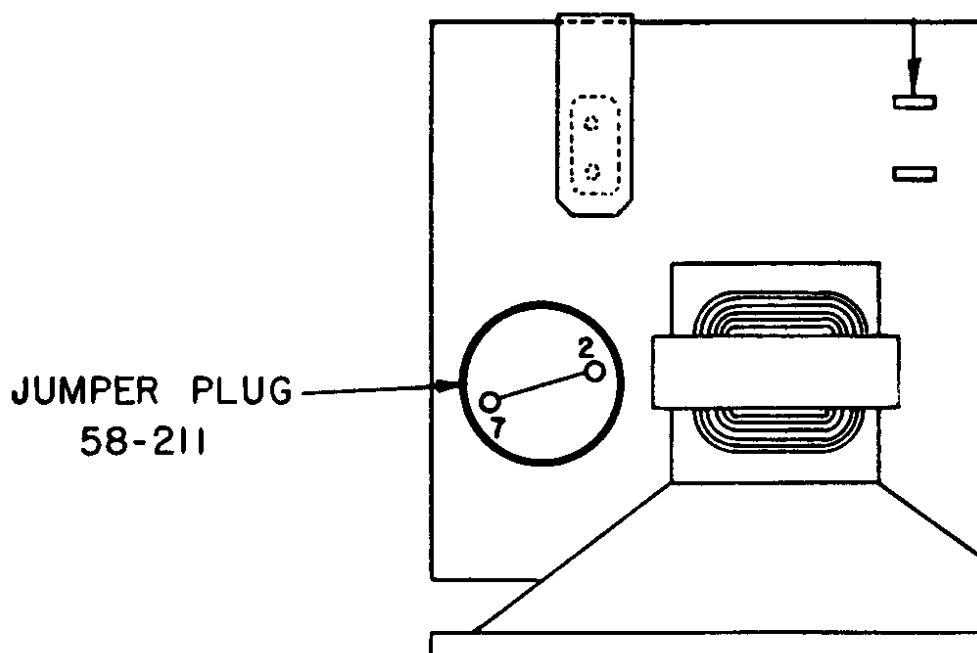
- B. Turn the receiver ON by rotating the left control knob clockwise. When not in use, always make certain that power is off by turning the left control knob fully counter clockwise, until a "click" is heard.
- C. Proceed as instructed under paragraphs 10, 11, 12, and 13.
- D. If used an average of 3 to 4 hours a day—30 hours a week, the battery will give approximately 150 hours of service.

## 3. LIGHT SOCKET OPERATION

(110-125 Volts DC or AC — 25 to 60 cycle operation.)

- A. Remove the line cord plug from CHANGE OVER socket. Removal of this plug automatically trips the Battery Saver Switch and prevents battery drain while operating from the light socket supply.
- B. Plug the line cord into any convenient light socket. After the receiver is in operation try reversing the plug for minimum hum or noise when operating on alternating current.
- C. On direct current reverse the plug if the set does not operate

after havng been turned ON. On DIRECT CURRENT the set will operate ONLY with the plug in one position.



### Thermal Regulator

- D. The Trans-oceanic portable comes equipped with a jumper plug 58-211. The socket into which this plug fits is the receptacle for thermal regulator tube 50A1. When operating this receiver in the field under line voltage conditions that are other than normal i.e., (105 to 122) volts, remove jumper plug 58-211 and insert thermal regulator tube 50A1. This thermal regulator tube controls the filament current in such a manner as to keep filament emission normal. This enables the receiver to function on line voltages as low as 90 volts, and as high as 130 volts.

When the receiver is operated with the ballast adapter set for either 220 volts AC or 220 volts DC, it will then enable the set to operate on a low line voltage of 200 volts, or a high line voltage of 250 volts. This thermal regulator can be obtained by contacting your nearest Zenith dealer, and ordering part No. 50A1.

**220-240 Volts DC or AC — 25 to 60 cycle operation.**

- E. If the receiver is to be used in locations where a current supply of 220-240 Volts AC or DC is available, ballast adaptor S-15715 should be used. This ballast adaptor assembly can be obtained from your local Zenith distributor and need only be plugged into the ballast tube socket. (See Figure 4.)



Figure 4.—Ballast Adaptor Inserted in Socket.

1. Loosen the screw holding the switch positioning plate.
2. Move the switch on the ballast tube to either 110 volts AC-DC, 220 volts DC or 220 volts AC position to conform to the type current on which the set is to be operated. (See Figure 5.)



Figure 5.—Ballast Tube Switch Positions.