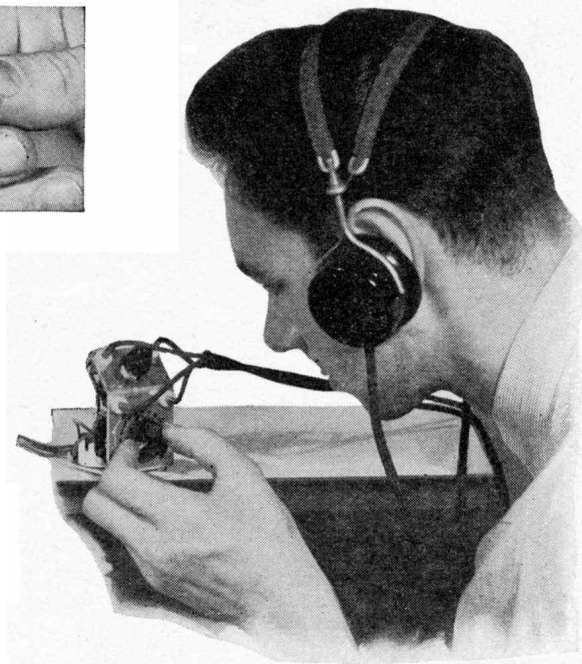
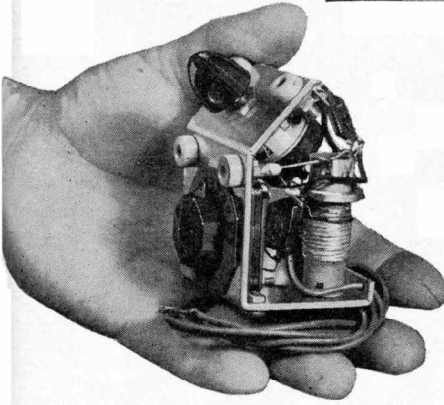
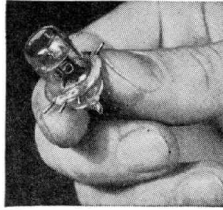


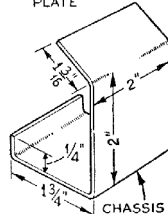
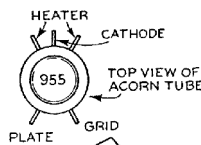
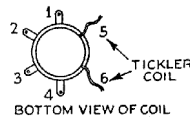
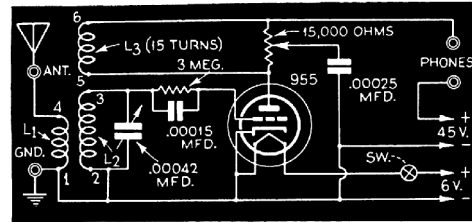
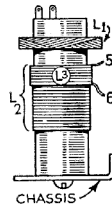
# Midget Broadcast Set

**USES TINY  
ACORN TUBE  
AND STANDARD  
AC-DC TUNING  
COIL**



**S**O SMALL it fits in the palm of your hand, this little radio receiver makes use of one of the midget, acorn-type tubes. Powered by batteries, it provides good earphone reception on the broadcast band.

The tuning coil is a standard, A.C.-D.C. midget antenna coil with a high-impedance primary. Its shielding should be removed. Wind fifteen turns of No. 34, double-silk-covered wire around one end of the secondary coil ( $L_2$ ), in the same direction as the coil winding, to serve as a tickler ( $L_3$ ). The set is tuned by a small .00042-mfd. variable condenser. On the sloping panel of the 2" by 1 $\frac{3}{4}$ " aluminum chassis, mount a midget 15,000-ohm volume control and switch. This is placed across the tickler coil ( $L_3$ ), with its rotating arm bypassed to ground through a .00025-mfd. mica fixed condenser, to control regeneration. A good antenna should be used for best results, but a ground is not always necessary.



## LIST OF PARTS

Volume control with switch, 15,000-ohm.

Resistor, 3 meg.,  $\frac{1}{2}$  watt.

Fixed condensers, mica, .00015 and .00025 mfd.

Tuning condenser, .00042 mfd.

Four standard flash-light cells.

Midget 45-volt "B" battery.

*Miscellaneous.* — Aluminum chassis, acorn tube (955), A.C.-D.C. broadcast antenna coil, acorn-tube socket, knobs, dial plate, phone-tip plugs and jacks, wire, etc.