

INSTRUCTIONS FOR OPERATING ARBORPHONE MODEL A.C. 37

ANTENNA Regardless of the sensitiveness of this set the proper construction of the antenna is vitally important. An antenna of 100 to 125 feet in length is recommended. The lead-in should be connected to binding post marked "ANTENNA FOR VOLUME" or "ANTENNA FOR SELECTIVITY" where selectivity is more important than volume.

GROUND A good ground connection is essential. A soldered or well clamped connection to a cold water pipe (not a steam radiator) is preferred. Connection to the set is made on post marked "GROUND".

OPERATION WITHOUT ANTENNA When a "B" eliminator is used, good reception may be had by attaching the ground lead to either antenna post and connecting nothing to the "GROUND" post.

TUBES Use three UY 227, one UX 226, and one UX 171 or 112 tubes. The UY 227 tubes should be inserted in the five hole sockets, and the UX 226 and UX 171 or 112 in the four hole socket, the UX 171 or 112 in socket nearest speaker jacks.

POWER SUPPLY This set requires no external source of "A" power. The addition of a "B" eliminator will make the set com-

pletely A. C. operated or dry "B" batteries may be used. Connection from the "B" supply are made to the three posts marked "B-", "B+Det", and "B+135v to +180v." "B+Det" should be between +20v and +60v. The "B+ 135v to +180v may be anything between these two values. The socket plug from the eliminator should be inserted in the receptacle at the rear of the set marked "ATTACH "B" ELIM. PLUG HERE". When "B" batteries are used, simply connect to the binding posts and nothing plugs into this socket. The plug on the cord attached to the set should be inserted in a 110v A.C. 60 cycle wall plug or lamp socket --TRY INSERTING THIS PLUG BOTH

POSSIBLE WAYS -one way will give less A.C. hum than the other.

LOUD SPEAKER The loud speaker cord should be plugged in the speaker jacks at the rear of the set, the cord with the red tracer going to jack marked "SPEAKER+".

HOW TO TUNE IN STATIONS

1st To turn set on, the center switch on front of the set should be turn to the "ON" position. This switch controls both filament and "B" supply current. It takes about 15 seconds for the tubes to heat up and become operative.

2nd The lower switch marked "HIGH" and "LOW" is used to compensate for the variation in voltage of the house lighting circuit. When the A.C. line voltage is over 115 volts, the switch must be left in the "LOW" position. If under 105 volts set the switch in "HIGH". If you do not know the voltage of the lighting current, be on the safe side and leave the switch in "LOW", thus assuring long life of tubes.

3rd Place the indicating lines on the split tuning knob at the right together and grasp both inner and outer knobs together. Turn this knob slowly and swing the left hand knob back and forth a few degrees at approximately the same reading. When a desired

station is heard, set the left hand knob at loudest position and adjust the two halves of the split knob seperately to point of best reception.

4th The small knob at the upper center is the volume control and by turning counter-clockwise, the volume may be increased to the desired intensity.

5th To shut off set --- throw center switch to "OFF" position.

Tested by _____

