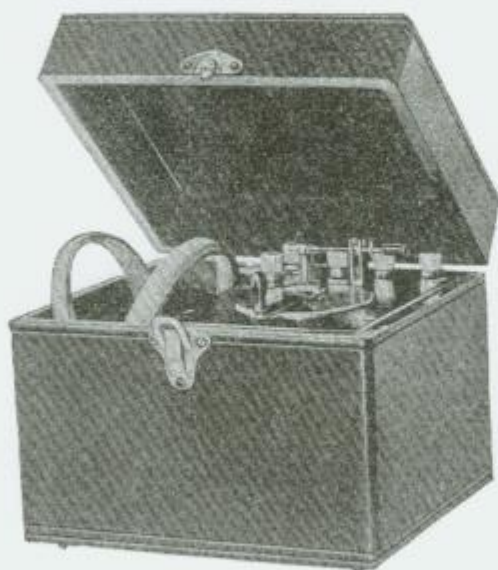


RADIO BROADCASTING RECEIVING OUTFITS

AERIOLA JR. RECEIVER, MODEL RE



Aeriola Jr. is compact, inexpensive, requires no batteries, and is easy to operate

AERIOLA JR. is a complete Radio receiving outfit designed and manufactured by the Westinghouse Electric and Manufacturing Company. Its range varies from ten to twenty miles. Any one who can operate a talking machine or a camera can operate an Aeriola Jr.

Simple Adjustments

No technical knowledge is required. The only adjustments necessary include the occasional finding of a "sensitive spot" on the crystal detector and the simple turning of a tuning control arm to obtain the maximum intensity of reception.

The complete receiver is built in a very substantial and attractive wood cabinet which has a compartment for storing the telephone receivers when the set is not in use.

The tuning elements and the crystal detector are mounted on a black panel which forms the top of the receiving set when the cover is lifted. All the metal parts are finished in nickel. Under the tuning control arm, there is a calibrated dial. Where the receiving station is within range of several broadcasting stations operating on different wave lengths, it is possible to determine just what setting is necessary in order to hear any of the stations at a given time by noting the position of the

tuner control arm with relation to the calibrated dial. With Aeriola Jr. there is no maintenance cost. Once the antenna has been erected and the ground connection made according to the instructions given, it is only necessary to adjust the detector and rotate the tuner control arm until radio signals are heard in the head telephone receivers. The wavelength range of Aeriola Jr. is particularly adapted to broadcasting reception on the 190-500 meter wavelength band.

Reliable and Inexpensive

Aeriola Jr. includes everything necessary for this type of receiver—a tuner, a fixed condenser, a supersensitive crystal detector, and a high grade set of head telephones. In order to secure the best results from this outfit it is but necessary to follow the directions given in another section of this book and devoted to the erection of the antenna and securing the ground connections.

The entire design assures a degree of selectivity and reliable operation not usually found in this type of receiver.

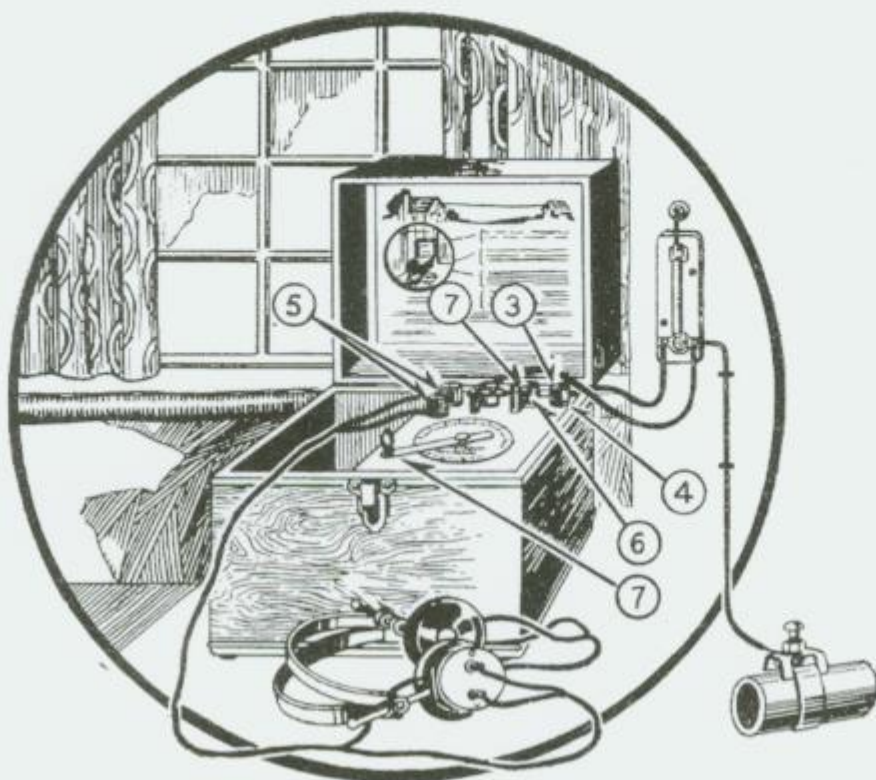
Aeriola Jr. may ordinarily be employed for receiving from the broadcasting stations up to a maximum distance of 20 miles. Under some circumstances this range may be increased; often the Aeriola Jr. will pick up broadcasting over distances up to 35 miles.



The farmer located within easy distance of a broadcasting station may use Aeriola Jr. to advantage for the reception of market and weather reports.

Aeriola Jr. Makes an Ideal Set for the Beginner. It is Portable, Compact and Inexpensive. Requires no Batteries of any Kind.

OPERATING INSTRUCTIONS FOR AERIOLA JR.



Text numbers correspond with above diagram.

- No. 1. First, refer to accompanying sketch, then erect antenna and place protective device in position as described on page 56.
- No. 2. Connect a wire leading from terminal marked R on protective device to binding post indicated by arrow for stations below 350 meters.
- No. 3. For stations between 350 and 500 meters, connect the above wire to this post.
- No. 4. Connect this post with terminal G of protective device.
- No. 5. Connect telephone receivers to these two posts. Adjust detector by pulling movable crystal away from stationary crystal and then allowing it to come in contact again at various points. While making this

adjustment, rotate tuning handle (6) slowly over the scale, listen until sound is heard in the telephone receivers. Temporarily stop adjustment of detector and manipulate tuning handle until maximum strength is obtained. Leave tuning handle in this position and readjust detector. After a short time, the operator will become skillful in finding delicate adjustments on this crystal detector. Various stations may be heard by simply rotating the tuning handle over scale.

Note: As crystals are rubbed together, a black deposit appears on the movable crystal, decreasing the sensitivity of the set. This deposit may be scraped off lightly with a knife. Further precautions regarding the care of crystals are pointed out in part 4 of this book.

Complete Aeriola Jr. Broadcasting Receiver, Model RE, 190-500 Meters, with Head Telephone Receivers, Spare Crystals, Antenna Equipment and Full Instructions \$32.50

Aeriola Jr. Broadcasting Receiver, Model RE, as above, less Antenna Equipment \$25.00

Dimensions: 7 in. x 8½ in. x 7¼ in.

Weights: Net, 5 lb.; Shipping, 10 lbs.; with Antenna Equipment, 17 lbs.

NOTE: For Prices of other Complete Receiver Combinations, see page 35.