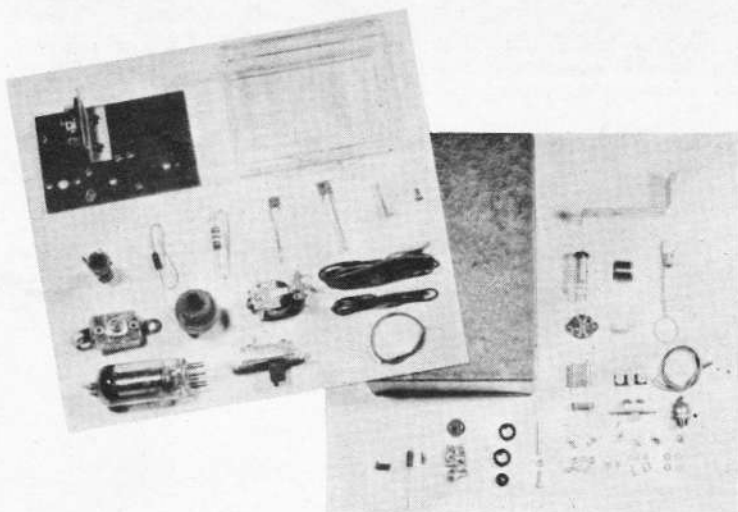


"Blue Ribbon" Radio Control Equipment



Ace Commander Kits for 27½ mc Transmitter and Receiver Stress Simplicity and Low Cost

■ Available only in kit form, this Commander 27½ mc. transmitter and receiver by Ace Radio Control bring to flyers low cost units based on well-known circuits each made up of brand new American-made parts. The kits include virtually everything needed to establish an R/C link between the operator and his model, except the batteries, and a 3' length of music wire—this for the transmitter antenna.

Receiver is a single hard tuber based upon the Simple-Single, which was introduced through *Air Trails* magazine, one of the most reliable such receivers to be had. Parts have been modified a bit for lighter weight and lower cost, with the result that somewhat greater relay current change can be had than with the Simple-Single.

Despite low cost, the linen phenolic base is fully drilled, necessary eyelets for connection points are inserted, and the tube socket is mounted. All coils are ready wound, including the RF choke. Thus, no machine work whatever is required, and the builder can start right in with the wiring—after having thoroughly digested the instruction folder.

Parts come packed in a clear plastic box, which will serve as a housing for the finished set and protect it from dust and damage. All parts are mounted on the same side of the chassis as is the tube. Besides a conventional wiring diagram, the instructions include a "photo-diagram," which shows a picture of each part laid out in just the same manner as it will be mounted on the chassis with actual connections drawn in.

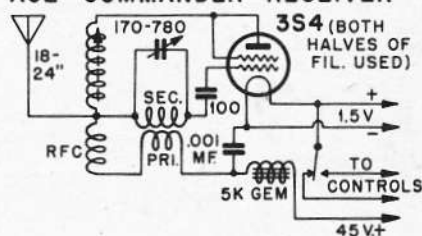
Receiver kit includes tube, on-off switch, wire for connection to batteries, and a ready-adjusted Gem sensitive relay.

The Commander transmitter is a simple hand-held job contained with all

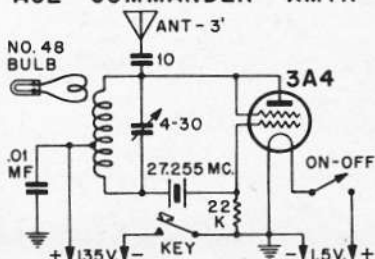
necessary batteries in a steel case. More work is necessary to build this unit, since the holes for various parts must be drilled. However, marking them out is simplified, as this kit has full-size templates showing exact size and location of every hole needed. Most of the parts mount on a small steel chassis, which comes bent to shape and fully drilled. A hardware envelope contains every nut, screw, washer and bolt needed for the transmitter.

A sealed 27½ mc crystal is furnished as is the tube. Aside from batteries, the only thing you don't get is the antenna, omitted because of difficulty of packing. A standard hobby shop length of ⅛" dia. wire is needed here.

ACE "COMMANDER" RECEIVER



ACE "COMMANDER" XMTR



It will be seen that the transmitter utilizes a familiar triode-connected oscillating circuit, with antenna direct-connected, for highest output. A tuning indicator lamp is included, to aid in putting the transmitter into use, and as a constant check on its proper operation.

ACE COMMANDER 27¼ MC. CW TRANSMITTER: Contained in blue hammertone-finished steel case, measuring 5⅝ x 3 x 8⅛" high. Single adjustment for tuning on front panel; also toggle switch for on-off, and push-button for keying. 3' long antenna inserts from top of case, and tuning indicator bulb is also on top. Single 3A4 tube used as triode oscillator. Weight with batteries and antenna, 4¾ lbs. Power input to transmitter about 2½ watts. Battery Requirements: A supply, 1½ V at 200 ma; use Eveready 742 or equiv. B supply, 135 V at 18-22 ma; two Eveready 467 batteries or equiv.

ACE COMMANDER RECEIVER: Single hard tuber using 3S4 tube. Finished set fits in plastic case 1⅛ x 2⅛ x 3" long. Tuning by slug in coil, sensitivity adjustment by compression condenser. Antenna of 18-22" length needed. Weight of finished receiver with case and battery leads, 3 oz.

Battery Requirements: A, 1½ V at 100 ma; B, 45 V; idles at about 2.3 ma; drops to .8 ma on strong signal.