



R/C REVUE: KT127

■ Intended for operation on the Citizen's Band frequencies from 26.995 to 27.255 mc, this radio control transmitter, a product of Lafayette Radio (Jamaica, N. Y.), is a most attractive unit. Of course, attractiveness does not help you put out a better signal, but even so, owners of this transmitter will certainly be proud of its appearance. Housing is a sturdy steel case, sprayed inside and out with light blue lacquer. Access to batteries and other parts is via removable rear panel.

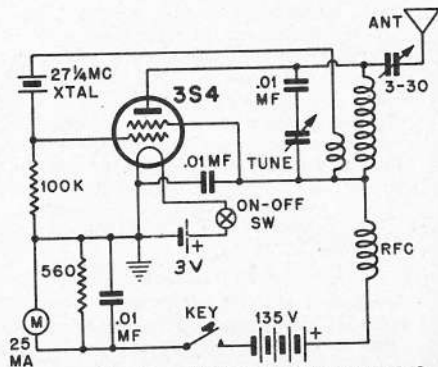
While only a single D cell is used for filament power, drain on it is not very great; those who do a great deal of flying—or who are apt to forget to turn off the filament switch—can use one of the

heavy duty D cells or even a mercury cell of this size. The two B batteries, held in individual clips, are easy to remove. There is no drain on them unless the key button is depressed.

The circuit is somewhat like the familiar tapped-coil style, which has been widely used in R/C transmitters; instead of a tap, however, we find a separate 3-turn grid winding to produce the necessary feedback.

The antenna is a sturdy 3-section unit with large plastic stand-off insulators. It makes a fine handle for carrying the transmitter, when the outfit is not in actual operation. The antenna is, in fact, a heavily-plated side cowl auto radio unit. Though for maximum output it should naturally be extended to maximum, quite a good signal is put out when the antenna is collapsed. It can be used this way for short range tests or for shop work without retuning the plate circuit.

There is a variable antenna coupling capacitor but it will never need change unless such parts as the crystal or tube



is changed. It is very broad in setting. All normal tuning is done with the plate circuit tuning condenser, access to it is via a hole in the front of the case. An insulated screwdriver should be used—no need to search for one in your tool kit because one is included.

The kit comes with all parts neatly packed inside the case, many of them in separate boxes or envelopes. Ample connection wire is supplied, along with a generous quantity of rosin core solder.

The Assembly Manual is a really outstanding job. It includes color and marking codes for all types of fixed resistors and condensers, detailed Parts List, and extensive notes on soldering. Assembly and wiring instructions are the step-by-step type; if followed carefully it is hard to see how even a beginner in R/C could go wrong. Half a dozen large drawings illustrate the steps, and show the schematic wiring diagram. This Assembly Manual is one of the best we have ever seen furnished with R/C kits.

Specifications: Lafayette KT 127 transmitter for low frequency Citizen's Band R/C operation. Single tube power oscillator circuit with 3rd overtone crystal. Variable antenna coupling; plate tuning through front of case. Antenna is 3-section style extending 16" above top of case when collapsed, 50" when extended. 25 ma meter allows constant monitoring of operation, and check on battery condition. On-off switch and Key button on front of case. Case measures 10 x 4 x 2½", antenna insulators project about 1⅝" from left side. Total weight with batteries—3¾ lb.

Battery Requirements: "A" power—single D cell, 1½ volts at 100 ma. "B" power—two 67½ volt batteries (Burgess P45 or equiv.); 135 volts at about 14 ma.