

Fig. 2—Schematic diagram of the transceiver, in its converted form. Parts designations are left as given in the supplier's instructions for assembly. Only addition to the circuit is R-11, a 5600-ohm $\frac{1}{2}$ -watt resistor.

distance (50,000 ohms), but equipped with a screwdriver adjustment, was fitted onto the side of the case, as may be seen from the interior photograph. This is not necessary, but is very handy.

Adjustment and Use

Tuning is very simple. With the antenna attached and extended, adjust the regeneration control for maximum hiss. Then adjust the position of the slug in L_2 with a plastic tuning tool until you can receive on the desired frequency. Start with a nearby station, then have the operator reduce power or turn his antenna away, or move your unit to a greater distance, and readjust the tuning and regeneration for best reception. Like all superregenerative detectors, this one takes a little juggling for best results.

If you've never built anything with transistors before, this project will give you a chance to get your feet wet without going in over your head. If you decide you like the water, the C-100 kit will give you a basic case and antenna for more advanced conversions and improvements. It's about time that more amateurs joined in the fun that is to be had with simple hand-carried equip-

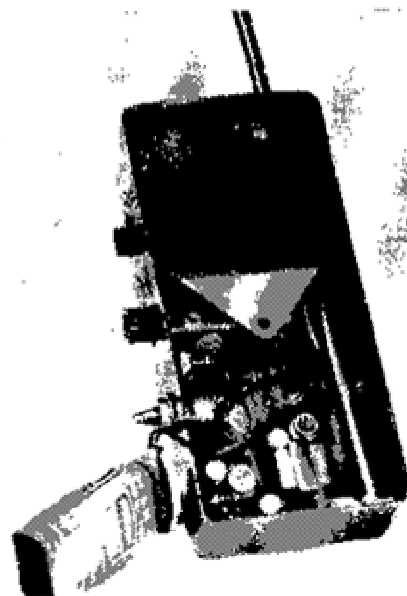


Fig. 3—Interior of the converted transceiver.

ment. This is an easy first step that requires little time, money or skill. If you come up with a really good "advanced conversion" or second step, let's hear about it!

QST

Strays

The National Bureau of Standards has appointed as head the director of all NBS amateur Central Radio Propagation Laboratory projects. He's widely-traveled KØYKJ, who's also held exotic calls from Palmyra to Pennsylvania (he's ex-W3CRW, KP6AA, KH6AEX, KG6AEX, KL7BFW, KC4USB, and KC4AAE).

W5RPH, son of ARRL West Gulf Director W5QKF, has been named Corpus Christi, Texas.

"Outstanding Young Man of 1963" by the Junior Chamber of Commerce in that city. He was cited for outstanding work with the National Police Foundation, the Lions Club, the Jaycees, the Chamber of Commerce, and much, much more. Congratulations!

The first dozen or so takers get free *Calbooks*, 1959-1963 issues, from W2QQ, Box 4, Bowmansville, New York.