

# Antenna AN-130-A

By PA1IF

Description out of a manual for the SCR-300 radio set.

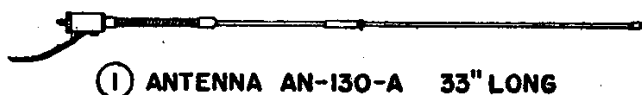
The radio is using frequencies between 40 and 48 Mcs.

It is not written in the manual if the antenna allows a wider use of frequencies. It most probably is.

The following sections are copied from the manual in order to present the installation data for the antenna separately.

## II. Antenna An-130-A

Antenna AN-130-A is a two-section unit which is 33 inches long when assembled. (See fig. 8①.) The sections are held together by a kinkless, stainless steel cable which eliminates the possibility of losing a section and permits rapid assembly of the antenna. The bakelite case at the base of the antenna houses an antenna-matching circuit which consists of a loading coil and a capacitor. The flexible lead with a spade lug, attached to the bakelite shell, must be connected to the binding post marked GROUND FOR SHORT ANT. of Radio Receiver and Transmitter BC-1000-A. This connection is necessary to complete the antenna-matching circuit. A threaded stud is provided at the base of the antenna to attach it to the antenna terminal of the set. A flexible section near the base of the antenna allows the antenna to be bent at an angle so that it can always be adjusted to a vertical position. When not in use, Antenna AN-130-A is carried in Bag BG-150-A.



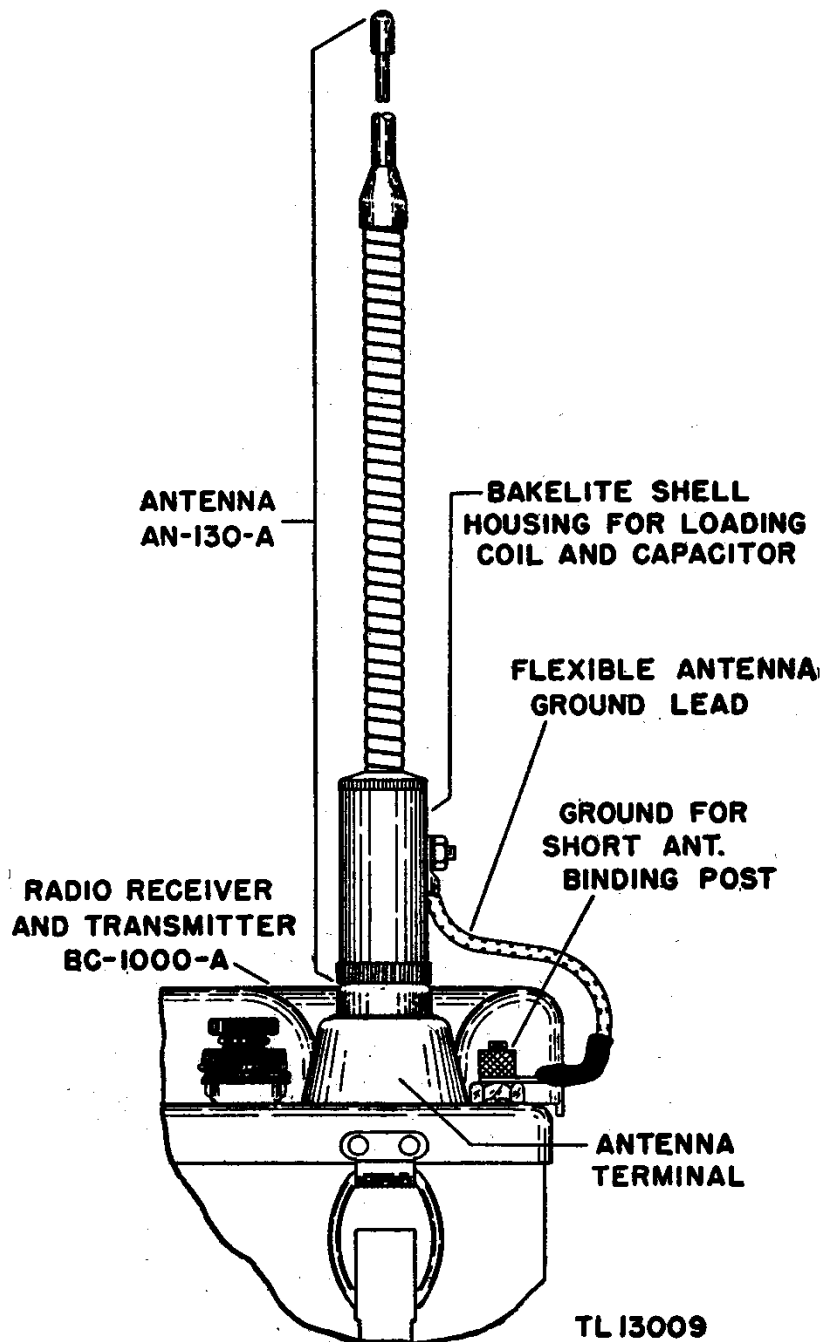


Figure 15. Antenna AN-130-A, installation detail.

- a. SHORT ANTENNA AN-130-A. (1) Remove the antenna from its case and fit the upper section into the lower.
- (2) Screw the assembled antenna into the antenna terminal of the set. Four or five turns should be sufficient. *Do not force.*
- (3) Connect the spade lug of the flexible ground lead to the GROUND FOR SHORT ANT. terminal on the front panel. (See fig. 15.)