

## LORAN TIMER

**Use.**—Loran system of controlling (triggering) the pulses generated by the transmitters. When used with the Models T-137—T-325 series transmitters, the timer 100-kilocycle r-f signal is used by the frequency-generating section of the transmitter exciter to develop the carrier frequency.

**Frequency range.**—1,700 to 2,000 kilocycles.

**Description.**—Loran Timer Navy Model UE-1b is used with the Loran system transmitters. Its primary purpose is to control (trigger) the pulses generated by the transmitter, spacing them with absolute uniformity and with precisely timed reference to the pulses received from another transmitter

several hundred miles away. Various components of the timer are coordinated to accomplish this purpose. The major components of the UE-1b timer are identical with Loran Timer Navy Model UE-1 with the following exceptions: Frequency Divider Type CFT-35045-A replaces Frequency Divider Type CG-35045; Radio Receiver Type CG-46239 is modified by the addition of I. F. Amplifier Type CFT-50348, and becomes Radio Receiver Type CFT-50348b; and Voltage Regulator Type CAXE-20678 is added to all units having installed Loran Timers Model UE-1b with the exception of those units whose timers are trailer-mounted.