

5-E DIVISION

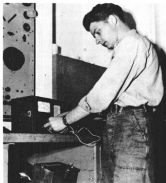
Operating, maintaining, and repairing electrical equipment, from track lights to shaft revolution counters in the bilges, was the task of 5-E Division and its electrician's mates.

The ship's main propulsion equipment was largely electrical, and in addition, there were four auxiliary generators to supply power for auxiliary machinery and lighting. Members of this division learned to operate and stand watch on two, 30 ft. switchboards. The operation of the generators and switchboards was largely automatic due to voltage regulators on the switchboard and hydraulic governors on the generators. The maintenance work included routine upkeep of two of the largest marine motors in existence—the 9,000 h. p. main propulsion motors.

This division was subdivided into three sections—lighting, power and interior communications. The lighting section had, among other duties, the job of keeping over 3,500 lights burning and the maintenance of adequate ventilation throughout the ship. This section also maintained and repaired all deck machinery since



Synchronizing generators on the electrical control panel



Testing equipment in the light shop

all cargo winches and the anchor windlass were electrically driven. Other equipment handled from the "light shop" included carbon arc searchlights, running lights, signal lights, anchor lights, and storage batteries.

The power shop section was responsible for the maintenance of all the various electrical machinery and apparatus in the two