

ENGINEERING DEPARTMENT

ROSTER OF OFFICERS

Chase, J. V., Commander
Frey, H. A., Lieutenant Commander
Fox, V. C., Lieutenant
Forcanser, C. A., Lieutenant
Carter, J. R., Lieutenant
Kelley, A. R., Lieutenant (jg)

Weaver, H. R., Lieutenant (jg)
Smith, J. D., Ensign
Attaway, F. J. Jr., Ensign
DeLoach, W. F., Chief Electrician
McIntosh, C. E., Chief Machinist
Humphrey, M., Machinist

We have, in the USS FALL RIVER, one of the finest engineering plants in the Navy, having boilers of the latest design, with high steam pressure driving four main engines which are capable of pushing the ship at a speed well in excess of 30 knots. The evaporators are capable of distilling in excess of fifty thousand gallons of fresh water each twenty four hours. This water is distilled from seawater and is much more pure than most city water.

The Engineering Department of this ship consists of four divisions. The "A" or Auxiliary Division is responsible for the care and operation of the Ship's general workshop. This machine shop is equipped with modern tools and equipment capable of maintaining this heavy cruiser in efficient fighting trim for long periods of time when it is impossible to obtain the services of a repair ship or a Navy Yard. The "A" Division is also responsible for the care and operation of the Ship's refrigerated spaces in which are stored all perishable foods, and all air conditioning units throughout the ship, without which certain vital parts of the ship could not function efficiently.

The "B" or Boiler Division is responsible for the operation of the Ship's boilers. Theirs is

the job of furnishing the steam which turns the main turbines, but contrary to some belief, the job of firing the boiler is not as back breaking as it was in years past. Instead of coal-fired boilers, we now use oil, which is sprayed into the furnace under high pressure and causes intense heat.

The "E" or Electrical Division has the important responsibility of maintaining the electrical plant at the highest peak of efficiency at all times. This power is generated from turbine-driven dynamos and is vital to the very existence of the ship as a fighting unit. The electric lights to the power that moves and trains the guns, the many radio and radar devices, and all deck machinery are dependant on this source of power. The electric power is generated on this ship is sufficient to furnish the lights to a city of over a hundred thousand people.

The "M" or Main Engine Division is responsible for all Main Propulsion Machinery—the main turbines that drive the ship. They also operate the evaporators which distill the water for the boilers and for the ship's use.