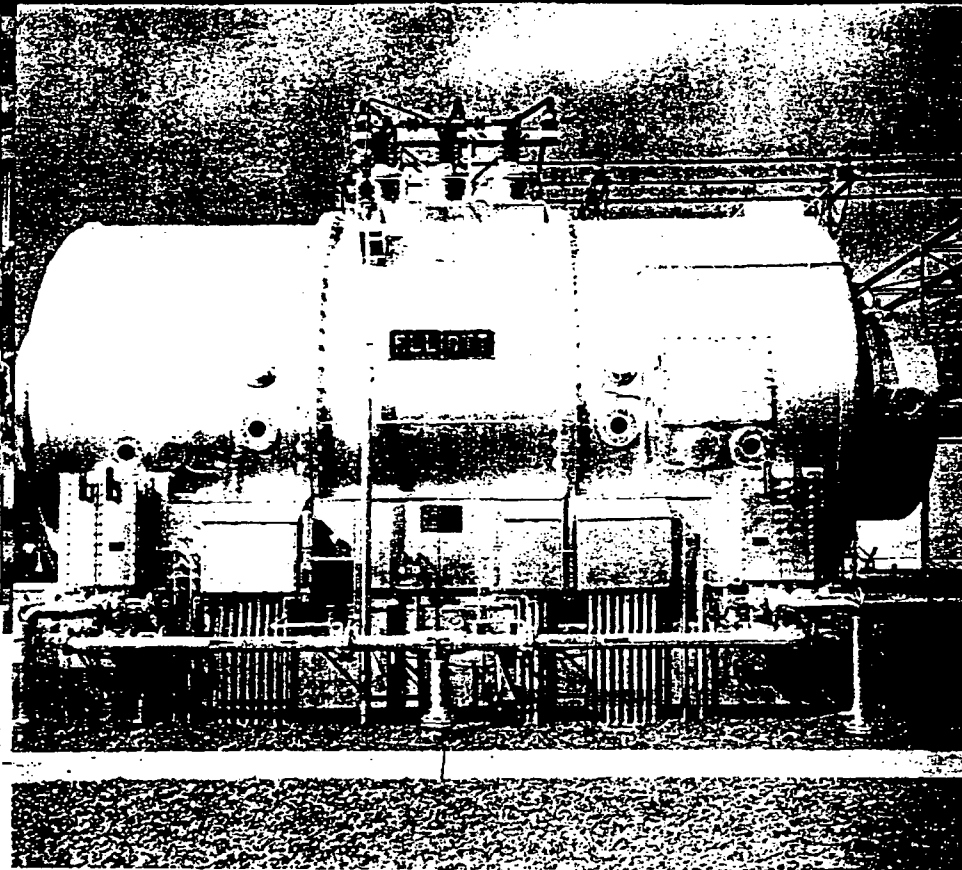
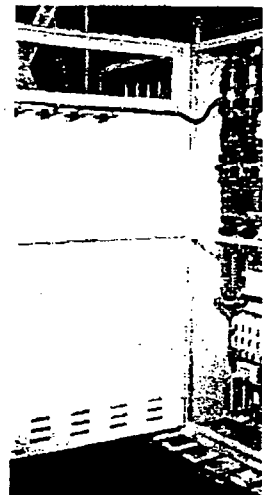
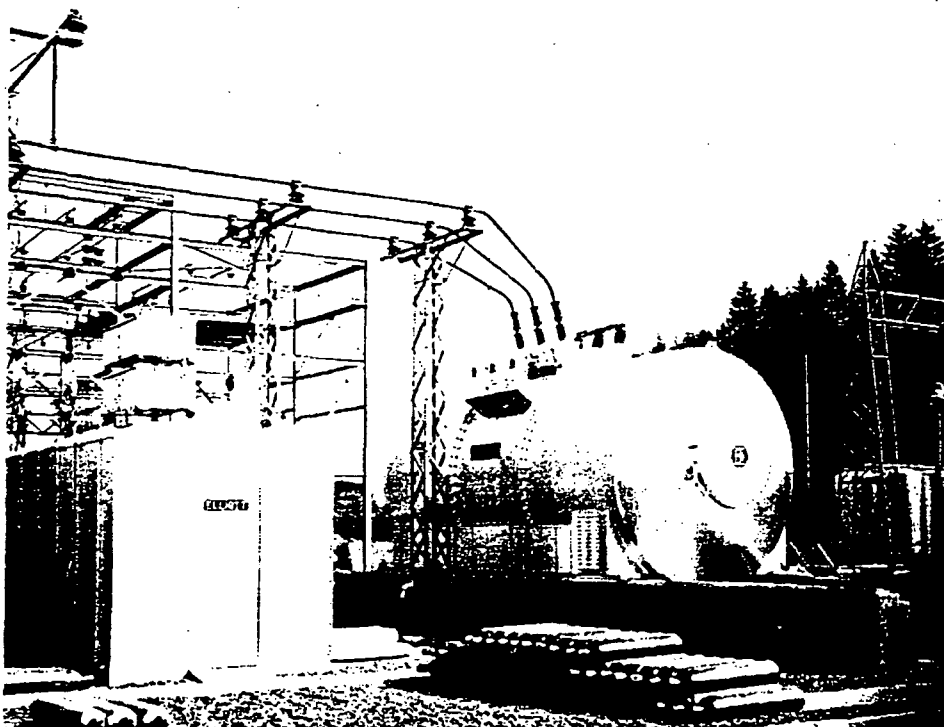




*Each of the four identical Elliott synchronous condensers on the Bonnerville system is designed for 3-phase, 60-cyc 13,800-volt operation and is connected to the 230-kv bus through a suitable transformer. This photo shows the 50,000 kva, hydrogen-cooled unit at the J. P. Alvey substation, Goshen, Oregon.*



*The assembled electronic voltage regulator is mounted in a steel cubicle.*



*Another view of the J. P. Alvey condenser showing the above-ground auxiliary housing which contains all components of the electrical and gas control systems. Note the condenser neutral resistor on the roof. This resistor is connected in series with a neutral circuit breaker located in the housing.*