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1st level book
School App 2
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THE FIRST ATOMIC POWER STATION

Work is going ahead rapidly at Calder Hall in Cumberland on Britain's first atomic power station. This station, started in the middle of 1955, is expected to be the first in the world to provide electricity in quantity to a national system, and although there is no official forecast, estimates have been made that it will be working within about 18 months.

The main feature of this atomic power station is two large atomic piles which will act as furnaces to provide the heat to run turbines which will create the electricity.

These piles consist of rods of uranium embedded in graphite blocks and surrounded by protective concrete many feet thick.

Calder Hall is expected to be the forerunner of a number of power stations of the same type which will be built by the British Electricity Authority. At the same time the United Kingdom Atomic Energy Authority are devoting energetic research to the development of even more advanced types of power stations, and the next one to be built in the north of Scotland will be so designed that it will create more fuel than it actually burns.