

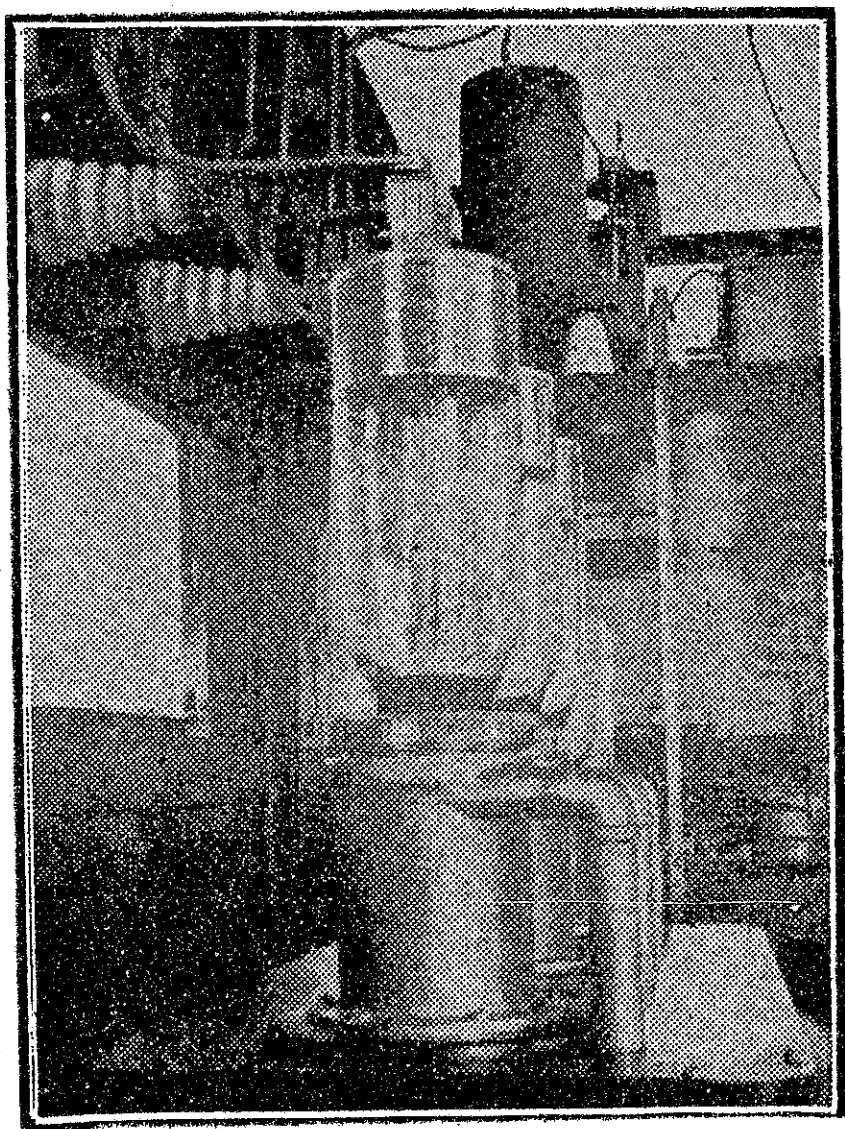
THE RADIO RECORD

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Near view of the large water-cooled valves which are a feature of 2YA's transmitting plant.

Water-Cooled Tubes

The Principle Described

THE water-cooled tubes used in the high-power stages at 2YA are somewhat of a mystery to many people, as they cannot understand how it is that water can be used at all. The photograph shows three of the tubes in question and gives a good idea as to how the cooling is accomplished.

The construction of the tubes differs from that of the ordinary receiving tubes, in so far as the plate is not sealed inside the glass, but is welded to the glass and in actual contact with the air.

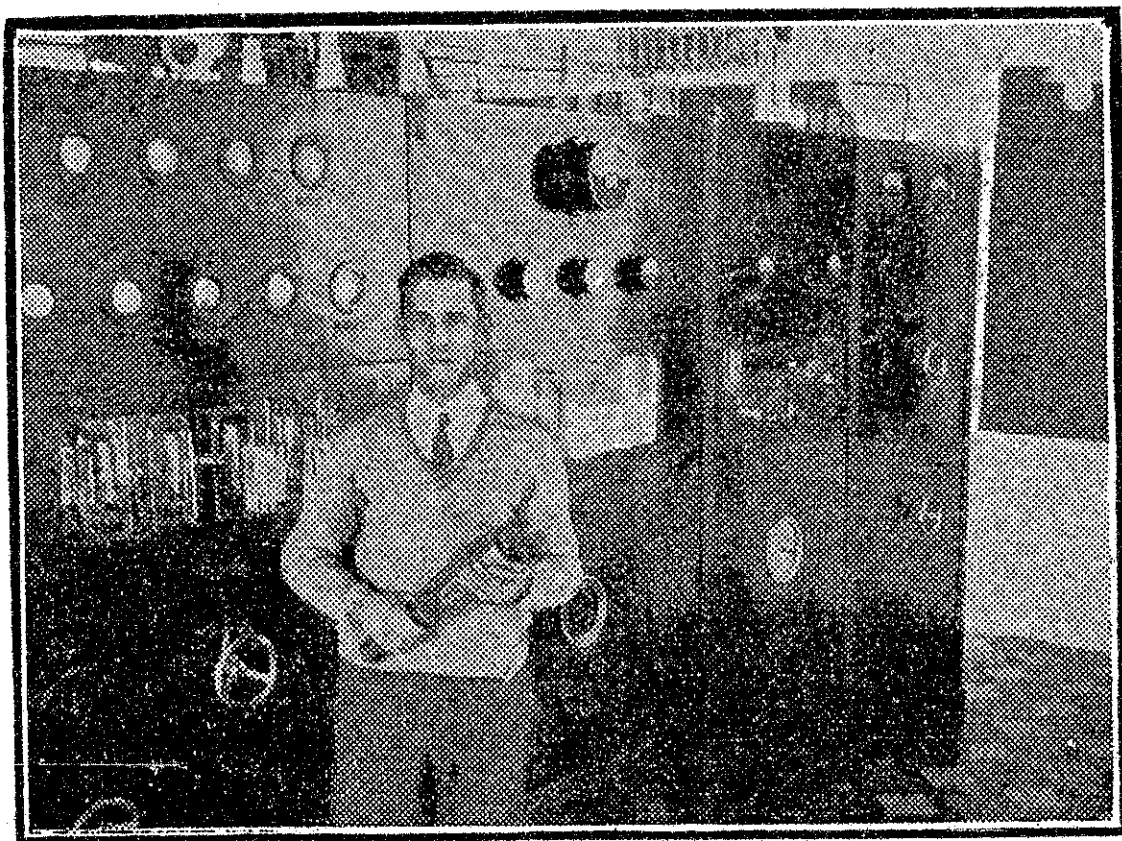
(Continued on page 2.)

Behind the Scenes at 2YA

On this and the succeeding page we print a series of unique photographs of the powerful transmitter at 2YA.

Hitherto, the only views of this plant that have been published have been front views of the six panels, but readers of the "Radio Record" will now have an opportunity of forming an idea of what the mass of intricate mechanism behind the front is like. It may also be added that there is a network of conduit and wires beneath the flooring.

An interesting description of the principle of the water-cooled tubes which are used in the transmitter is also given.



Four of the panels are shown in the front view of the transmitter. An idea of the size can be formed by a comparison with the engineer, who is holding in his hands one of the water-cooled tubes.