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THE NEW SEISMIC STATION NEAR TAAL VOLCANO.

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With the view of studying more closely the activity of this volcano and of being in a position to warn the people of any impending eruption, a seismological station has been established on the NNE shore of Lake Bombon or Taal, some five miles distant from the volcano. As is well known, the volcano is situated on an island near the center of the lake, the highest rim of the crater rising some 996 feet above the water of the lake, and about 1,000 feet above the level of the sea, which is 4.3 miles beyond the SSW shore of the lake.

For the establishment of this station the Philippine Legislature made a special appropriation of \$9,000, the money being used to buy a suitable plot of ground and to erect a substantial reinforced concrete building, with its instrumental equipment.

The building is situated about twenty feet above the level of the water, and thus commands a view of the lake and of the volcano; and being located near the ridge of a fault which radiates from the volcano in a nearly SW-NE direction, it is expected to be very favorable for the registration of the slightest shocks having their origin in the volcano.

The instrumental equipment of the observatory is as follows:

Meteorological—Mercurial barometer, one Richard's barograph, maximum and minimum thermometers, wet and dry bulb thermometers, a Richard's psychograph, a quadruple anemometer, registering the direction and velocity of the wind, rainfall and sunshine.

Seismological—A Vicentini microseismograph and an Agamennone seismograph. The Vicentini was selected for the station on account of the satisfaction which the one installed in the Manila Observatory gave during the last eruption of the volcano. The Agamennone seismograph was added to record the stronger and more perceptible shocks.