

# Macro-seismic Measurement in Tokyo. III.

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## 1. Introduction.

The present paper, which is to be regarded as a supplement to the preceding, contains lists of the strong earthquakes observed in Tokyo, with some notes on the range of motion and the period of vibration of earthquakes at the Central Meteorological Observatory.

## 2. Strong Earthquakes observed at Hitotsubashi and Hongo.

The following is a list† of the stronger earthquakes observed at Hitotsubashi and Hongo since 1884.

Eqke of Oct. 17th 1884 : 4.21.54 a.m.\* *Hitotsubashi*.

This was a severe earthquake which caused some slight damage in Tokyo. The origin was, when judged from the isoseismal curves situated at about 200km to S 60° E of Tokyo, namely, at about *lat.* 35°N and *long.* 141½° E. The motion was already large in the preliminary tremor, the 2a being 3.9 mm in the EW and 1.6 mm in the NS component. Then there followed suddenly a large vibration, whose first displacement was 13 mm in the direction S 60° E, and whose

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† Not including a few earthquakes whose measurement was not satisfactory.

\* An account of this earthquake by the late Professor Sekiya is to given in the Japanese Transactions of the Seis. Soc. Japan, No. 3.