

SEISMOLOGICAL NOTES.

Record at St. Louis.—*The Bulletin of St. Louis University*, Volume 9, Number 2, contains a list of the earthquakes recorded by the instruments of that institution during 1912. Forty-eight are given.

Earthquake in the Philippine Islands.—Rev. M. Saderra Maso of the Manila Observatory has sent a note and sketch map of the earthquake which occurred in the islands of Mindanáo and Visayas on March 14, 1913, at 8:42 o'clock M.G.T. In the eastern part of Mindanáo a maximum intensity of IX was reached. Numerous after-shocks were experienced up to April 30, 1913. "On the 24th, 25th, and 26th of April the shocks felt in the northern part of the Agusan Valley and in the peninsula of Surígao, according to the popular impressions, numbered more than two hundred, but none exceeded intensity VII."

Point Loma, California.—Our colleague, Fred. J. Dick of the Meteorological station of Raja Yoga College, sends the following report of shocks recorded in the observatory at Point Loma:

Between three and four o'clock in the morning of April 21, 1913, a slight shock was recorded by a movement of about one and a half mm. north-south, and one mm. east-west.

Tremors recorded before 8 a.m. May 8th for the preceding twenty-four hours had a diameter of one mm.

Tremors during the twenty-four hours preceding 8 a. m. May 15, 1913, about one mm. west-southwest and east-northeast.

The seismoscope is a two-component C. D. West without magnification.

Distinct tremor felt in Ottawa, Canada.—Dr. Walter F. Ferrier sends notice of an earthquake shock felt at Ottawa, Canada, at 7:29 o'clock on the evening of April 28, 1913. The shock was reported to have lasted for fifteen seconds and Dr. Klotz, Dominion Astronomer, stated that the tremors were exceedingly well defined and distinct. Corresponding shocks were felt at Montreal and in the St. Lawrence