

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH NO. 16, AT CHRISTCHURCH—*continued*.

Date.	Commencement.	Max.	Max. Amplitude.	Duration.	Remarks.
1910.					
Nov.	H. m.	H. m.	Mm.	H. m.	
26	..	5 49.2	2.0	..	End obscured by Ats.
		4 01.6	2.1	..	
		6 38.9	1.5	3 27.7	
Dec.					
1	3 52.3	3 55.4	0.6	0 16.5	
2	3 20.2	3 26.4	1.5	0 25.9	
3	7 58.3	8 04.5	16.4	..	
		8 38.0	1.0	1 21.7	
3	4 13.8	4 30.3	0.8	0 21.7	
4	11 05.4	11 10.6	17.0	..	
		11 30.0	3.5	1 45.6	
10	9 37.4	9 47.0	17.5	..	
		10 00.2	5.0	11 36.3	
11	3 57.0	4 04.2	0.7	0 20.5	
12	23 55.9	0 21.7	0.8	0 42.3	
13	12 25.6	12 58.6	1.6	1 16.5	
14	20 54.4	21 02.7	1.5	1 07.3	
16	14 55.3	15 26.3	5.1	..	
		15 41.8	3.5	2 17.6	
1911.					
Jan.					
2	22 59.7	23 05.9	14.0	1 52.7	
3	23 46.3	0 26.6	1.4	..	
4	..	1 05.9	1.5	2 33.8	
7	2 33.2	3 05.2	1.0	1 13.5	
8	16 24.7	16 27.8	0.8	Uncertain	End obscured by Ats.
8	9 26.8	9 32.0	2.5	..	
		9 41.4	1.5	0 38.2	
10	16 37.7	16 46.2	7.4	0 55.0	
16	9 08.8	9 37.8	1.0	0 41.4	
Feb.					
7	9 42.4	9 46.5	0.8	0 12.4	
7	9 59.9	10 02.0	0.6	0 10.4	
17	10 14.6	10 29.1	0.5	0 51.7	
17	23 23.9	23 50.8	2.0	0 47.6	
21	23 46.0	23 49.1	0.2	0 07.0	
25	16 12.7	16 17.1	0.8	0 01.5	
Mar.					
11	3 29.5	3 43.9	1.5	0 52.7	
17	9 28.2	9 30.3	1.0	0 07.3	
21	4 04.2	4 22.4	0.2	0 42.5	

1 mm. = 0.49" tilt, static. B.P. = 14.5 seconds.

APPENDIX III.—SECONDARY TRIANGULATION.

MEASUREMENT OF ELTHAM-OKAIAWA BASE-LINE, TARANAKI.

[By J. LANGMUIR, Inspector of Surveys.]

As, with the exception of a better class of balance, the same apparatus was used in a similar manner as at the measurement of the Wairarapa base, reported upon last year, there is no necessity for a repetition of the description of method or gear used, but a few extra diagrams are given, which I think desirable, as supplementary to those published last year and for fuller information.

GEOGRAPHICAL POSITION OF BASE.

The southern terminal of the base, or Trig. Station B, Waimate Survey District, is about 39° 33' south latitude, and 174° 11' east longitude. The northern end of the base, or Eltham Trig. Station, is about 39° 25' south latitude, and 174° 16' east longitude.

SELECTION OF BASE.

The base was first suggested by Mr. H. M. Skeet, now Chief Surveyor, Invercargill, about March 1897, when, as District Surveyor, he was carrying out the triangulation of the Taranaki District. At the time, in the ordinary sense of what was expected in the characteristics of a base-line, it had not