

EARTHQUAKE RECORDS of MILNE SEISMOGRAPH No. 16, AT CHRISTCHURCH, WITH NEW TYPE OF RECORDER.

Latitude, $43^{\circ} 31' 48''$ S.; longitude, $172^{\circ} 37' 13''$ E.; time employed, Greenwich civil time.
Amplitude = half-range in millimetres.

Date.	Commencement.	Maxima.	Maximum Amplitude.	Duration.	Natural Boom Period.	Remarks.
1912.	H. M.	H. M.	Millimetres.	H. M.	Seconds.	
April 14	22 47.5	22 57.5	9.9	1 18.0	15	
" 15	16 20.0	16 26.3	2.0	..	..	
" 20	1 47.2	16 27.4	1.7	..	..	End obscured by N.T.
May 15	0 11.3	2 06.5	1.5	2 0.3	..	
		0 13.3	1.9	..	..	
		0 15.8	2.2	..	..	
		0 19.5	2.2	1 00.0	..	
" 17	13 58.1	13 59.0	0.6	..	..	
		14 03.0	0.9	..	..	Duration obscured by N.T.
		14 06.0	0.5	..	..	
" 23	2 44.7	3 22.7	0.4	1 39.0	..	Mean period of long waves, 40 secs., 30 secs., and 20 secs. successively.
" 26	6 38.8	6 40.8	6.0	0 55.3	..	Origin, North Island, New Zealand. L.W. commence, 6 h. 39 m.
June 6	17 39.2	17 45.0	0.4	..	..	Duration obscured by N.T.
July 7	9 44.8	9 47.8	0.2	..	..	
		9 54.0	0.2	..	..	
		9 58.2	0.2	0 28.0	..	Waves 24 secs. period.
" 19	21 36.0	21 55.4	2.4	..	..	
		22 10.0	0.8	1 50.2	15	Excellent record.
" 25	23 15.3	23 33.8	1.1	..	..	
		24 02.5	0.5	2 02.0	..	
" 26	2 33.6	3 00.8	1.8	..	..	
		3 29.0	1.0	2 20.0	..	
" 26	7 57.4	8 13.1	2.4	..	..	
		8 15.9	1.2	..	..	
		8 18.0	1.3	..	..	
		8 24.3	0.8	..	..	
		8 29.0	0.5	1 29.0	15	
Aug. 6	23 15.5	23 33.5	2.0	..	..	Duration obscured by N.T.
		23 33.9	1.1	..	..	
		24 02.7	0.5	2 +	..	
" 7	2 37.5	2 58.7	2.0	..	..	
		3 26.5	1.0	2 00.0	..	
" 9	1 57.5	3 04.5	1.4	..	..	Succession of tremors, with maxima increasing and decreasing gradually.
		3 10.5	1.8	..	..	
		3 16.0	1.1	..	..	
		3 20.2	1.0	3 00.0	..	
" 16	23 18.4	23 20.2	0.4	0 09.6	..	
" 17	19 30.7	19 40.0	1.1	..	..	
		19 51.0	..	..	..	End obscured by N.T.
" 18	8 17.0	8 20.0	0.2	0 32.0	..	
Sept. 1	5 23.0	5 35.0	0.5	1 32.0	..	
" 29	21 09.8	21 29.8	3.1	..	..	
		21 34.1	3.7	..	..	
		21 42.6	2.9	..	..	
		21 45.1	2.5	..	..	
		21 48.8	2.0	3 16.0	15	
Oct. 16	4 05.1	4 06.8	1.0	..	..	Duration uncertain.
		4 10.3	0.4	..	..	
" 17	10 08.0	10 16.8	1.0	..	..	
" 20	9 39.5	9 44.4	2.0	..	..	
		9 47.9	1.7	..	..	End obscured by N.T.
Nov. 13	0 44.0	0 49.3	0.2	..	..	
		0 53.5	0.5	1 11.0	..	
Dec. 6	..	11 01.6	1.0	..	..	Duration uncertain.
1913.						
Jan. 24	4 35.6	4 35.7	1.6	0 06.1	..	Felt at Christchurch; origin, near Masterton, North Island, N.Z.
Feb. 22	1 09.1	1 09.7	4.0	0 52.0	..	Origin, near Westport, N.Z.
Mar. 10	..	14 10.5	0.8	..	14	Duration obscured by N.T.
[..] 14	8 56.8	9 06.0	4.0	..	..	
		9 11.4	3.5	..	..	
		9 22.5	7.0	..	..	
		9 28.6	5.0	..	..	
		9 32.2	5.5	..	..	
		9 38.6	5.0	2 28.0	..	
" 30	8 43.0	8 48.0	1.5	..	..	End obscured by N.T.