

EARTHQUAKE REPORTS.—NEW ZEALAND.

Register from the Dominion Observatory, Wellington, for the Year 1922.

LATITUDE : 41° 17' S. LONGITUDE : 174° 46' E. HEIGHT : 401.5 ft.
 INSTRUMENT : Milne Horizontal Seismograph. Magnification, 5.6. E-W component. Pendulum
 not damped.

OBSERVER : C. E. ADAMS.

Time is Greenwich Civil Mean Time—0 h. or 24 h. = Greenwich midnight.



Date.	Phase.	Time G.C.M.T.		Period.	AMPLITUDE.			Remarks.
					A _{E.}	A _{N.}	A _{V.}	
		h.	m.	s.	mm.			
1922.								
Jan. 6	e	14	24.6					
	e	14	27.6					
	S	14	35.0					
	M	14	38.0	..	1.0			
	e	14	42.6					
	M	14	43.0	..	0.6			
	e	14	51.5					
	M	14	52.0	..	0.6			
	L	14	55.3					
	M	14	57.0	..	2.5			
Jan. 17	e	4	4.0					
	e	4	8.0					
	i	4	13.0					
	e	4	14.9					
	e	4	16.6					
	e	4	17.8					
	e	4	20.7					
	M	4	21.9	..	1.3			
	e	4	22.6					
	e	4	25.7					
	e	4	33.7					
	e	4	39.5					
	e	4	41.0					
	e	4	42.2					
	e	4	47.5					
Jan. 22	eP	3	32.2	..	..	..	..	Δ = 15°.7.
	e	3	34.0	..	..	..	..	○ = 3h. 28m. 24s.
	iS	3	35.2					
	eL	3	37.2					
	M	3	39	..	2.8			
	e	3	39.5					
Jan. 22	e	20	54.5					
	iS	20	56.7					
	eL	20	58.0					
	M	20	59.0	..	1.6			
	i	21	0.3					
	i	21	0.9					
	e	21	22.6					
	i	21	22.9					
Jan. 31	e	13	41.7					
	iS	13	42.7					
	iSR ₁	13	49.6					
	eSR ₂	13	53.9					
	e	13	56.4					
	e	13	58.5					
	M ₁	14	0.1	..	2.0			
	iL	14	4.7					
	M ₂	14	5.7	..	3.0			
	i	14	8.5					
Feb. 2	e	3	8.2					
	M	3	11.0	..	0.4			

Date.	Phase	Time, G.C.M.T.		Period.	AMPLITUDE.			Remarks.
					A _E .	A _N .	A _V .	
		h.	m.	s.	mm.			
1922. Feb. 9	P	7		..	..	..	..	In hour gap.
	iS	7	3.2					
	M	7	3.4					
Feb. 20	eP	7	42.2					
	eS	7	53.4	..	..	..	..	$\Delta = 92^{\circ}.8.$
	M ₁	7	56.0	..	0.6	..	..	O = 7h. 28m. 41s.
	eL	7	57.6					
	M ₂	7	58.5	..	0.6			
	iP	13	47.5					
	M	13	48.0	..	0.7			
	e	15	58.8					
	i	16	1.3					
	M	16	1.5	.. } .. }	0.6			
	M	16	6.0					
Mar. 10	e	16	58.7					
	M ₁	17	2.5	..	0.5			
	i	17	6.6					
	M ₂	17	7.0	..	0.5			
	i	17	10.7					
Mar. 12	e	12	30.2					
	e	12	31.8					
	M	12	32.4	..	0.9			
	e	12	39.4					
April 5	e	10	8.5					
	e	10	16.1					
	e	10	18.0					
	e	10	20.2					
	e	10	24.7					
	M ₁	10	25.3	..	1.4			
	e	10	28.6					
	M ₂	10	29.3	..	1.6			
April 25	e	21	30.1					
	iS	21	33.6					
	M ₁	21	34.2	..	2.0			
	M ₂	21	35.6	..	1.9			
	M ₃	21	37.2	..	1.2			
	L	21	54.0					
	M ₄	21	54.5	..	1.9			
	M ₅	21	55.7	..	1.7			
	M ₆	21	57.7	..	1.2			
April 26	e	1	40.3					
	e	1	50.7					
	M	1	53.5	..	0.3			
	e	4	23.1					
	e	4	28.7					
	e	4	37.7					
	e	4	43.7					
	M	4	44	..	0.2			
	e	5	38.5					
	M	5	39	..	0.6			
	e	6	57.5					
	M	6	58	..	0.4			
	e	11	8.2					
	M	11	9	..	0.5			
	i	12	58.3					
	M	12	59	..	0.5			



Date.	Phase.	Time. G.C.M.T.		Period.	AMPLITUDE.			Remarks.
					A _{E.}	A _{N.}	A _{V.}	
		h.	m.	s.	mm.			
1922. April 26	i	16	30.0					
	M	16	31	..	1.0			
	i.	16	43.3					
April 28	M	16	44	..	1.4			
	e	6	31.7					
	i	6	38.5					
	M ₁	6	39	..	1.1			
	i	6	40.5					
	M ₂	6	41	..	0.9			
	i	6	41.8					
May 1	M ₃	6	43	..	1.15			
	e	11	55.8					
	M ₁	11	57	..	0.6			
May 11	e	11	58.4					
	M ₂	11	59	..	0.6			
	iS(?)	9	23.2					
May 12	L	9	24.2					
	M	9	25.2	..	6.5			
	eP	18	44.0	..	..	..	..	Δ = 20°.0.
May 28	iS	18	47.7	..	..	..	..	○ = 18h. 39m. 19s.
	L	18	48.5					
	M	18	49.8	..	9.8			
	e	0	13.5					
June 2	M	0	14-16	..	0.4			
	e	4	34.8					
	M	4	36	..	0.5			
June 9	eS	20	31.5					
	eSR ₁	20	36.2					
	eL	20	43.8					
	M	20	49.0	..	0.8			
June 20	P	20	47.6	..	..	..	..	Earthquake felt at Taupo, &c.
July 2	..	4	..	..	..	..	..	Continuous sine waves.
	..	6	..	..	..	..	..	Continuous sine waves all day, increasing from 10h. to 21h.
July 4	iP	5	15.6					
July 10	..	..	..	..	..	..	..	Intermittent waves all day.
July 21	eP	0	13.0	..	..	..	..	Tilt to west.
July 23	..	..	..	..	..	..	..	Almost continuous sine waves all day.
July 26	iP	4	17.0					
Aug. 6	..	..	..	..	..	..	..	Intermittent waves all day.
Aug. 7	iP*	1	58.3					
Aug. 8	Intermittent waves all day.
Aug. 16	iP	13	18.7					
Aug. 26	e	6	31					
	e	6	31.7					
	e	6	33.5					
	M	6	37	..	1.0			



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					A _E .	A _N .	A _V .	
		h.	m.	s.	mm.			
1922. Sept. 1	eP	19	28.6	$\Delta = 79^{\circ}.2.$ $\bigcirc = 19h. 16m. 22s.$ Origin near Formosa.
	ePR ₁	19	31.6	
	e	19	37.6	..	..	..	..
	iS	19	38.6	..	..	..	..
	iSR ₁	19	44.8	..	..	..	..
	SR ₂	19	48.8	..	..	..	..
	L	19	56.4	..	..	..	..
	L	19	59.4	..	..	..	..
	L	20	1.9	..	..	..	..
M	20	6	..	1.6	..	..	..
Sept. 5	eP	2	32.7	$\Delta = 3^{\circ}.5.$ $\bigcirc = 2h. 31m. 47s.$
	iS	2	33.4	..	..	..	..
	M	2	36	..	1.5	..	..
Oct. 11	eP	15	3.2	$\Delta = 84^{\circ}.7.$ $\bigcirc = 14h. 50m. 26s.$
	ePR ₁	15	7.1	..	..	..	..
	e	15	11.7	..	..	..	..
	iS	15	13.7	..	..	..	..
	i	15	16.0	..	..	..	..
	SR	15	21.4	..	..	..	..
	L	15	33.3	..	..	..	..
M	15	38	..	2.0	..	..
Oct. 24	eP	21	34.7	$\Delta = 74^{\circ}.8.$ $\bigcirc = 21h. 22m. 54s.$
	ePR ₁	21	37.7	..	..	..	..
	e	21	42.0	..	..	..	..
	S	21	44.3	..	..	..	..
	SR	21	50.5	..	..	..	..
	L	22	3.0	..	..	..	..
	M	22	5	..	1.0	..	..
Nov. 7	eP	23	13.0	$\Delta = 90^{\circ}.4.$ $\bigcirc = 22h. 59m. 42s.$
	ePR ₁	23	16.3	..	..	..	..
	e	23	22.7	..	..	..	..
	iS	23	24.0	..	..	..	..
	e	23	27.0	..	..	..	..
	SR ₁	23	30.0	..	..	..	..
	SR ₂	23	33.6	..	..	..	..
	e	23	35.8	..	..	..	..
	L	23	40.8	..	..	..	..
	M	23	45	..	0.7	..	..
Nov. 11	P	4	45.4	$\Delta = 80^{\circ}.3.$ $\bigcirc = 4h. 33m. 3s.$ Earthquake in Chili.
	PR ₁	4	49.3	..	..	..	..
	iS	4	55.5	..	..	..	..
	M	4	57.5	..	10.5	..	..
	SR ₂	5	4.9	..	..	..	..
	L	5	12.1	..	..	..	..
	M	5	19	..	10.1	..	..
Dec. 14	e	23	14.2	
	e	23	15.7	..	..	..	..
	iP(?)	23	18.7	..	..	..	..
	e	23	19.7	..	..	..	..
	iS(?)	23	23.4	..	..	..	..
	iL(?)	23	25.7	..	..	..	..
	e	23	26.9	..	..	..	..
	M	23	29	..	2.5	..	..
Dec. 16	iP	13	4.2	..	1.5	..	..
Dec. 21	iP	23	49.5	..	1.1	..	..
Dec. 22	iP	0	28.8	..	1.0	..	..
	iP	1	20.2	..	1.2	..	..
	iP	1	36.8	..	1.2	..	..



Date.	Phase.	Time. G.C.M.T.			Period.	AMPLITUDE.			Remarks.
		h.	m.	s.		A _E .	A _N .	A _V .	
1922. Dec. 23	iP	10	6.9	..	mm. 1.0				
	iP	14	30.6	..	1.1				
Dec. 23	e	22	4.2						
	e	22	6.3						
	e	22	7.2						
	e	22	7.8						
	e	22	8.3						
Dec. 25	iP	3	33.6	Local, R.-F. 3.	
	iS	3	34.0	$\Delta = 1^{\circ}.9.$	
	M	3	35	..	22	$\bigcirc = 3h. 33m. 7s.$	



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Observers are invited to address their earthquake reports to the Dominion Observatory, Wellington, N.Z.

C. E. ADAMS,

New Zealand Government Seismologist.

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