

EARTHQUAKE REPORTS, NEW ZEALAND.

Register from: Dominion Observatory, Wellington.

1923 January-February

WELLINGTON: Latitude - $41^{\circ} 17'S$. Longitude - $174^{\circ} 46'E$.
 Height above sea-level - 401.5 ft.

INSTRUMENTS:

- (a) Milne Horizontal Seismograph No.20. E-W component.
 Magnification 5.6. Period 25 secs. Undamped.
 (b) Milne-Shaw Horizontal Seismograph No.13. N-S component.
 Magnification 150. Period 12 secs. Damping 23:1.
 (From 1923 January 5 to April 6 the Milne-Shaw
 seismograph No.13 was installed at Victoria University
 College, Wellington.)

Civil

Time is Greenwich/Mean Time - 0h or 24h = Greenwich midnight.

Date	Phase	Time			Period	Amplitude		Distance in degrees	Remarks
		G.M.T.				A_E	A_N		
1923		h	m	s	s.	μ	μ		
Jan. 25								Strong microseisms.	
Feb. 1	P	19	29.7					18.7 D=18 ^o .7	
	iS		33.2					O=19h 25.3m.	
	iL		34.7						
	M		35.2		7.5				
	1	21	38.5		2			DT unknown.	
	iS		42.15		5			D = 20 ^o .3	
	iL		43.5		15			O = 21h 33m 45s.	
	M		45						
	M		46.5						
	2	5	20 35		2			DT unknown.	
	iS		31 0		10			D = 83 ^o .6	
	iL		47 12		20			O = 5h 7m 55s.	
	M		56.5		22	17			
	3	16	15.7					81.4 D = 81 ^o .4	
	ePR1		21.9					O = 16h 3m 15s.	
	iS		25.9						
	SR1		30.9						
	SR2		34.8						
	L		42.4						
	M		44			14			
	M		52.5			14			
	P		15 18		2			81.4 D = 81 ^o .4	
	PR		21 36					O = 16h 2m 51s.	
	S		25 30		8			DT unknown.	
	M		51		25		85		
	24	7	59.3						
	i		6.1						
	i		13.3						
	L		15.8						
	M		17.0			2.4			
	eP	7	50.0		6				
	PR1		53.5		6			71.6 D = 71 ^o .6	
	iS		59.3		10			O = 7h 38m 33s.	
	SR1	8	5.3		12			DT unknown.	
	i		7.2		15				
	i		10.8		15				
	i		11.3		13				
	i		11.7		17				
	L		16.5		27				
	M		26		18				

EARTHQUAKE REPORTS, NEW ZEALAND.

Register from: Dominion Observatory, Wellington.

1923 - March.

Date	Phase	Time			Period	Amplitude		Distance in degrees	Remarks
		G. M. T.				AE	AN		
1923		h	m	s	s.	u	u		
March 2.	e	17	3.3					Times uncertain. No hour marks.	
	e		6.5						
	e		8.2						
	e		10.8						
	M		15] 1				
	M		16						
	i		18.8						
	M		21			1			
	e		22.6						
	e		24.7						
	M		28			2			
4		7						Records on M.-S. Times uncertain. Contact prints available on application.	
9		23							
10		8							
14		21							
16		1							
16	iP	9	22.0				1.5	Local. R-F. IV.	
	iS		22.3						
	e	22	12.3						
	e		14.6						
	e		16.0						
	e		20.8						
	i		22.0						
	iS		25.8						
	M		27			1.4			
	i		31.3						
	i		34.2						
	i		35.6						
	M		39			2.6			
	P(?)	22	17.4		3				
	iPR1		20.3		5				
	i		22.0		5				
	iS		25.3		5				
	i		27.4		15				
	i		28.5		15				
	i		29.7		15				
	i		31.2		20				
	iL		33.5		18				
	iL		35.3		18				
	iL		37.9		15				
	iL		41.8		15				
	iL		45.9		15				
18	iP	8	35.1				0.7	Local. R-F. VI. This shock threw the M-S. out of action.	
	iS	8	35.25						
	M		35.5		23				
24	e	13	4.3						
	e		7.2						
	e		12.2						
	e		16.8						
	e		20.8						
	eL		25.0						
	M1		28			1.3			

EARTHQUAKE REPORTS, NEW ZEALAND.

Register from: Dominion Observatory, Wellington.1923 March - April.

Date	Phase	Time			Period	Amplitude		Distance in degrees	Remarks
		G.M.T.				AE	AN		
1923		h	m	s	s.	μ	μ		
March 24	e	13	30.2						
	e		37.8						
	e		39.7						
	e		41.5						
	M2		43			1.5			
	e		45.0						
	M		46					1.3	
24		13	5.1		4				
			6.0						
			6.6						
			11.8		13				
			13.5		11				
			14.5		10				
			15.6		12				
			16.3		11				
			21.2		20				
			25.4		28				
	M		26		28			6.0	
			30.0		18				
			38.9		20				
			40.6		18				
			42.8		20				
28	e	4	44.0						
	e		45.8						
	e		49.8						
	e		55.8						
	i		57.7						
	M	5	1.5			0.6			
	e		2.2						
	eP?	4	38.2		5				
	eS		45.2		2.5				
			49.0		10				
			49.8		12				
			53.3		10				
			57.4		15				
			59.0		15				
			59.4		15				
		5	0.8		15				
			1.8		12				

April 6. The Milne-Shaw seismograph No. 13 was moved from Victoria University College, Wellington, to the Seismograph Cellar at the Dominion Observatory, Wellington, where it is placed to record the North-South component.

12	iP	15	56.2					1.2	Local. R-F. IV.
	iS	15	56.45						0 = 15h 55m 54s.
	M		56.5		3				Slight tilt to South.
12	iP	15	56 15	5					
13	e	10	9.5						
	e		10.7						
	M		12			0.5			

EARTHQUAKE REPORTS, NEW ZEALAND.

Register from: Dominion Observatory, Wellington.

1923 April - May.

Date	Phase	Time			Period	Amplitude		Distance in degrees	Remarks
		G.M.T.				AE	AN		
1923		h	m	s	s.	u	u		
April 13	iP	10	7	46	5			10.0	
	i		8	52	5				0 = 10h 5m 16s.
	iS		9	45	5				
	iL		10	11	5				
	iL		10	35	10				
	e	15	55.2						
	e	16	2.0						
	e		12.0						
	M		14				0.8		
	P	15	44	44	5			94.8	
	S		56	06	5				0 = 15h 31m 2s.
			57	09	12				
			16	02	27	6			
	L		17	44	30				
	M1		18		25				
		20							
M2		30		20					
14	P	0	54.4					Local. R-F. III.	
14	iP	0	54	6			1.8		
	iS	0	54	29				0 = 0h 53m 38s.	
May 4	ePR2	16	44.5						
	eS	16	50.7						
	M	16	53			1.0			
	SR1	16	58.1						
		17	8.8						
			9.8						
			12.2						
	iL		14.4						
	M		17			4.5			
	iS	16	50	59	5				
	i		51	59	5				
	L	17	14	9	27				
	M1		15		22		1.5		
	M2		19		20		2.0		
	M3		24		20		2.5		
4	eP	22	39.4				84.7		
	e		48.2					0 = 22h 26m 38s.	
	eS		49.9						
	e	23	4.3						
	e		9.4						
	iP	22	40	6	5			76.2	
	PR1		43	29	5				
	iS		49	49	5			0 = 22h 28m 10s.	
		23	5	09	5				
12	eS	1	40.5						
	e		45.3						
	e		49.5						
	e		54.1						
	e		55.5						
	e		57.2						
	M	2	0			2.2			

EARTHQUAKE REPORTS, NEW ZEALAND.

Register from: Dominion Observatory, Wellington.1923 May - June.

Date	Phase	Time			Period	Amplitude		Distance in degrees	Remarks
		G.M.T.				AE	AN		
1923		h	m	s	s.	u	u		
May 12	iS	1	40	25	3				
16	e	18	10.8						
	i		13.2						
	M		14			0.6			
	i		15.6						
28	iP	6	42	44	3			1.0	
	iS		42	57	5				0 = 6h 42m 29s. Tilt to North.
			42	58					
	iP	7	0	47	3			1.4	
	iS		1	05	5				0 = 7h 0m 26s.
30	e	8	45.7						
	M		46			0.2			
	e		48.5						
	e	8	45	31	3				
	e		46	29	3				
	e	13	37.5						
	S		40.8						
	M		41			0.8			
			42						
	e		43.5						
	e		44.3						
30	e	13	39	54	4				
	e		40	34	3				
	e		41	19	5				
	e		43	13	6				
30	M	14	58.3					1.5	
			59.5						
		15	1.0						
			1.7						
			3.3						
30		14	57	34	5				
		15	1	0	10				
			2	20	6				
June 1	e	17	47.4						
	e		52.4						
	e	18	0.1						
	L		6.8						
	iS	17	47	30	15				
	eS	20	38.5						
	e		41.5						
	e		52.5						
	L		47.8						
	iS	20	38	20	6				

EARTHQUAKE REPORTS, NEW ZEALAND, and FIJI.

Register from: Dominion Observatory, Wellington, and Suva, Fiji.

1923 June - July.

Date	Phase	Time Period			Amplitude		Distance in degrees	Remarks
		G.M.T.			AE	AN		
1923		h	m	s	S.	μ	μ	
June 18	P	8	21.7					22
	S		25.7					
	iL		28.2					0 = 8h 16m 37s.
	M		34			1.1		
	iP		21	14	5			23.9
	iS		25	29	7			
	M1		25	49	8			0 = 8h 15m 47s.
	iL		28	14	10			
	M2		32	14	6			

The records from the seismograph at Suva, Fiji, are forwarded to the Dominion Observatory, Wellington, N.Z.:

Seismograph Station, Suva: Latitude - $18^{\circ} 9'S$. Longitude - $178^{\circ} 26'E$.
 Height above sea-level - 10 feet.
 Milne Twin-Boom Horizontal Seismograph.
 E-W and N-S components. Magnification 6.
 Period, T = 10 secs. Undamped.

Instrument:

June 18	iP	8	17.4						
	iS		18.8					7.0	E-W.
	iL		19.2						
	M		19.8			11			0 = 8h 15m 38s. DT unknown.
18	iP		17.3						
	iS		18.8					7.5	N-S.
	iL		19.2						
	M		20.0			7.5			0 = 8h 15m 24s. DT unknown.
22	e	7	9.0			Wellington			
	e		16.0						
	e		19.4						
	e		23.6						
	M1		28				0.6		
	M2		30				0.6		
	e		33.2						
	M3		37				1.1		
	e		38.7						
	M4		41				1.0		
	e		41.9						
	M5		45				1.6		
July 1	iP	9	01.9						Local.
	M		2.1				1.5		
1	iP	9	01 55						Tilt to South.
4	iP	23	0.0			Suva			
	iS		4.0						No time marks. DT unknown.
	M		5				0.9		
7	i	12	55.4			Wellington			
	M		56						
			60				0.6		

EARTHQUAKE REPORTS, NEW ZEALAND AND FIJI.

Register from: Dominion Observatory, Wellington, and Suva, Fiji.

1923 July

Date 1923	Phase	Time G.M.T.			Period s.	Amplitude		Distance in degrees	Remarks
		h	m	s		AE μ	AN μ		
July 7	iP iS M	12	47.0 47.3 48						
							1.1		No time marks. DT unknown. Felt at Suva about 1240 local time.
									Wellington
10	e M	10	30.5 31 to 34				0.2		
12	eP e eS iL M1 i M2 M3	3	21.2 23.0 25.6 27.2 28.2 29.2 30.2 32.2					24.9	0 = 3h 15m 35s.
							2.0		
							2.2		
							2.0		
									Suva
	iP iS M	3	15.3 16.1 17					4.0	DT unknown. 0 = 3h 14m 16s
							38		
									Wellington
	eS? iL? M	9	23.3 25.4 26					24.7	0 = 9h 13m 20s.
							0.8		
									Suva
	iP iS M	9	14.5 15.4 16					4.5	No time marks. DT unknown. 0 = 9h 13m 20s.
							7		
									Wellington
13	eP ePR1 iS iSR1 M eL	11	26.1 29.9 36.2 41.8 43 to 44 53.5					80.3	0 = 11h 14m 15s.
							0.8		
14	P S P? S?	7	37.6 38.2 37 24 37 32					3.0	0 = 7h 36m 49s. M-S. record.
16	e e eS e iL i M	13	43.5 44.8 45.5 48.6 50.3 51.3 52.2						
							2.3		

EARTHQUAKE REPORTS, NEW ZEALAND AND FIJI.

Register from: Dominion Observatory, Wellington, and Suva, Fiji.

1923 July - August.

Date 1923	Phase	Time G.M.T.			Period	Amplitude		Distance in degrees	Remarks
		h	m	s		AE u	AN u		
July 16	iP	13	39.5						
	i		40.2						No time marks. DT unknown.
	iS		41.6						
	i		42.0						
	iL		43.5						
	M		44.2			4.0			
22	ePR1	14	35.1						
	ePR2		37.1						
	iS		42.3						
	eSR1		48.8						
	eSR2		53.1						
	eL	15	3.3						
	M		6 to 7			0.9			
Aug. 10	e	22	31.0						
	e		33.0						
	e		34.5						
	M		35.0			0.4			
11	e	1	8.0						
	eS		14.6						
	e		18.5						
	eL		23.8						
	M	26	to 30			0.4			
11	iP	13	30 00						Local. Tilt to South.
13		16	23 45						Tilt to South.
13		18	08 35						Tilt to South.
17	eS	12	24.1						
	e		26.8						
	eL?		29.3						
	M		33.3			0.5			
17	e	12	20.0						
	e		21.2						E-W. DT unknown.
	eS		22.8						
	e		24.4						
	M		28.4			0.7			
17	eP	12	16.4						
	e		20.2						N-S. DT unknown.
	eL		25.6						
	M		29.4			1.4			
18	Milne-Shaw seismograph out of action owing to water leaking into cellar.								

EARTHQUAKE REPORTS, NEW ZEALAND AND FIJI.

Register from: Dominion Observatory, Wellington, and Suva, Fiji.

1923 August

Date 1923	Phase	Time G.M.T.			Period s.	Amplitude		Distance in degrees	Remarks
		h	m	s		AE μ	AN μ		
Wellington									
Aug. 19	e	10	47.0						
	e		57.0						
	e		59.5						
	M	11	1.5		0.6				
19	e	12	38.6						
	e		45.0						
	e		48.3						
	e		53.6						
Suva									
19	e	10	51.0						
	i		52.7						E-W.
	M		53		1.0				DT unknown.
	e	10	50.8						
	i		52.7						N-S
	M		53		0.6				DT unknown.
19	e	12	33.2						
	e		37.2						E-W.
	e		39.2						DT unknown.
	e		42.2						
	M		45		0.4				
	e	12	30.3						
	i		33.3						N-S.
	e		38.9						DT unknown.
	M		45		0.7				
20	e	9	50.0						
	i		50.4						E-W.
	M		52		0.5				DT unknown.
	e	9	50.4						
	i		51.0						N-S.
	M		52		0.6				DT unknown.
Wellington									
28	e	23	39.4						
	e		41.9						
	e		43.8						
	e		47.0						
	e		54.0						
	eL?		57.0						
29	M	0	1 to 3		0.5				

C. E. Adams

Seismologist.