

ADELAIDE OBSERVATORY.
Seismological Bulletin JANUARY 1934.

No.	Date	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A		△	Remarks.
					N mm	E mm		
1	1	e L Mn Me	6 29 50? 33 40 37.3 38.8	12	1.9			in hour break ± 8s.
2	2	e e? e(L) Me	17 37.0 38.6 40.9 42.1					Milne-Shaw record faulty on 2nd. from 17 ^h
3	2	e Me	19 20.8 23.8					Micros. precede.
4	3	1P i iS 1PS i L Mn F	9 54 56 56 05 10 04 54 05 18 07 03 18 16? 30.2 11 10	17	0.4		12 78°.2	Largest movements: deep focus type.
5	15	1P i iS m i i iSS iSSS i L Mn ₁ Me ₁ Mn ₂ Me ₂ Me ₃ F	8 55 31 55 42 9 05 21 05 30 05 35 06 05 10 06 13 50 16 26 17 33 21.5 25.4 25.7 29.1 34.2 12 50	35 30	14.0 7.0 16.5 25.2 35.5		76°.8 5.1 5.8 8.8	
6	16	1P iS i e F	18 47 43 54 07 56 15 57 13 19 25		0.6 1.0		43°.0	Deep focus type. L. very small & in- definite.
7	28	e e e e(L) Mn Me	19 36.0 41.0 47 55 20 10.2 13.5 16.0	21	0.3) From Milne, not shown) Milne-Shaw. Long shallow waves.
8	31	e L Me Mn	10 27 50 31 37 35.6 36.2	11	0.4			Small.

CONSTANTS.

Milne-Shaw(N-S Component) Period Jan.3rd, 11^s.9; March 15th, 15^s.3
Damping ratio 20 : 1. Magnification 150.
Milne(E-W Component)
Period 17^s.2. Sensibility 0".45

ADELAIDE OBSERVATORY.

Seismological Bulletin FEBRUARY, 1934.

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A N mm.	A E mm.	Δ	Remarks.
9	2	iP iS i(SS) i i iL Mn1 Me1 Mn2 Mn3 Me2 Mn4 Me3 F	15 11 35 16 49 18 13 19 50 20 33 21 25 22.2 22.4 22.9 24.8 25.0 25.6 27.0 16 10	8 8 14 10	11.5 6.9 6.0 11.9	17.3 3.4 4.8	32° .3	
10	3	iP iS i L i Me1 Mn1 Me2 Mn2 Me3 F	14 39 31 44 46 44 58 48 15 48 57 51.5 52.52 53.3 54.5 55.8 15 24	18 18	3.0 2.3	1.2 1.4 1.7	32° .4	
11	4	eP iS i i L Me1 Mn Me2 F	22 07 35? 12 41 14 03 15 00 16 46 18.4 18.8 19.3 23 10	14	2.9	1.2 1.5	32° ?	Very small, may be earlier.
12	5	e Mn F	10 34 36 36.3 10 44					Small.
13	5	e i L Mn F	13 43 28 46 00 46 15 46.6 13 53	10	0.3			Very small.
14	7	e L Me Mn	1 57 00 58 55 59.3 2 00.5	10	0.6	0.2		
15	9	eP ePP iS i i L Me1 Mn Me2 F	9 35 26 326 27 40 15 40 34 43 07 44 14 47.4 47.8 49.2 10 30	14	2.0	0.8 0.9	28° .6	
16	9	eP eL Mn F	11 49 09 12 02 29 09.5 12 33	18	0.4			Two waves.
17	9	i i L Mn	22 45 40 49 06 51.0 53.2	12	0.7			

ADELAIDE OBSERVATORY.

Seismological Bulletin February 1934- Continued.

No	Date	Phase	Time (Green ^h) H. M. S.	Recorded A Period of N Waves N-S	A E mm	△	Remarks
18	11	e(P) iS i L Mn Me F	9 06 05 11 05 14 11 15 43 18.1 18.5 10 06	20	0.7 0.2		Very small.
19	14	i? i Mn	1 27 44 33 03 35.6	6	0.8		may be micro.
20	14	e? i L Mn Me	1 57 02 2 00 03 01 38 05.2 06.2	10	1.0 0.2		Obscured by preceding shock.
21	14	iP i iS i iSS iSSS iL Mn1 Mn2 Me1 Me2 F	4 09 12 09 21 16 51 17 00 20 58 23 09 25 37 30 30 32 55 32 50 44 00 5 40	28.0 20.0	1.6 4.6 3.3 3.0 1.5 3.0	54° .8	
22	14	eP iS Mn F	22 27 30 32 10 39 45 22 50	10.0	0.5		
23	17	eP iS i i Mn F	21 08 36 13 49 16 30 17 30 25 05 21 53	16.0	0.8	32° .1	
24	19	e i iS L Me F	10 35 55 39 58 46 48 51 35 58 10 11 50		0.6		Milne-Shaw(N-S record) unreadable-traces run together.
25	25	iP iS L Mn1 Mn2 Me1 Mn3 Me2 F	6 33 35 41 42 51 33 57 00 58 24 59 02 59 27 7 01 10 10	25.0 18.6 15.1	9.4 14.0 13.5	59° .1	
26	27	iP i i i iS L Me Mn1 Mn2 F	21 35 53 36 57 37 06 39 23 40 54 42 41 43.5 48.1 55.5 22 25	10.0 12.5	1.0 1.1 0.3	30° .3	

ADELAIDE OBSERVATORY.

Seismological Bulletin FEBRUARY 1934 Continued.

No	Date	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A N mm	A E mm.	△	Remarks.
27	28	e	14 27 15?				40° 9	P! phase masked by traces running together.
		is	33 25					
		L	38 14					
		Mn1	40.5	16.0	28.6			
		Me1	41.0			9.0		
		Me2	41.6			11.0		
		Mn2	42.6	18.5	31.7			
		Mn3	44.6	12.0	39.0			
		F	16 30					

CONSTANTS. Milne-Shaw(N-S) Period Damping ratio Magnification
 Jan.3rd-11.9 20 : 1 150 (nom.)
 Mar.15 15.3 20 : 1 150

Milne(E-W) Period Sensibility.
 Feb.9-17.8
 13-17.1
 16-17.1 0" .51
 20-16.8 0" .46
 23-17.4 0" .48
 27-16.6
 Mar.2-16.8 0" .48

ADELAIDE OBSERVATORY.

Seismological Bulletin MARCH 1934.

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A		△	Remarks.			
					N mm	E mm					
28	1	i	3 32 40					All phases difficult to distinguish. Apparently two shocks.			
		i	41 54								
		e	45 00								
		e(L?)	57 49								
		Me	4 09.0			0.5					
		Mn	09.1	11.5	1.4						
		i	4 30 52								
		i	38 41								
29	1	i	48.6	14.0	1.2						
		Me	48.9			0.4					
		F	5 20								
		eP	19 46 25				38°.2				
		iS	52 18								
		i	52 57								
		eL	55 50								
		Me ₁	59.9			3.0					
30	1	Mn ₁	20 00.6	16.0	3.7						
		Mn ₂	01.8	14.0	3.2						
		Me ₂	02.2			1.5					
		Me ₃	03.5			2.5					
		Mn ₃	03.7	9.0	4.5						
		F	21 00								
		i	22 01 44								
		i	03 06								
31	2	i	09 26					Difficult- traces run together.			
		Me	10.6			0.2					
		Mn	12.7	13.0	0.5						
		F	23 15								
		Small movement from 23 ⁿ 22 ^m to 23 ⁿ 50 ^m on 20th 1st.									
		e	13 38 05								
		e	40 50								
		Mn	45.5	12.0	0.3						
32	2	Me	45.8			0.1		Small.			
		i	19 51 28								
		i	57 44								
		L(?)	20 02 55								
		Mn	08.4	12.5	0.6						
		Me	08.9			0.2					
		F	20 35								
		Small movement Mar. 3rd 5 ⁿ 16 ^m to 5 ⁿ 40 ^m									
33	3	i	13 11 36					Very small.			
		i	20 06								
		Me	25.3								
		Mn	25.5	17.1	0.2						
		F	13 40								
		34	4	eP	6 01 42					29°.3	N-S trace off paper.
				iS	06 36						
				iL	08 14						
Me ₁	14.3					0.4					
Me ₂	15.5					0.4					
F	7 01										
35	5			iP	4 00 51				34°.0		
				eS	06 17						
		L(?)	08 42								
		Mn	14.3	13.0	0.4						
		Me	16.9			0.2					
		F	4 35								
		36	5	iP	11 52 35				34°.7?		Very difficult record. N-S traces run together. iS to iL † 5 secs.
				i	53 34						
iS	58 05?										
i	59 30?										
iL	12 00 50?										
Mn ₁	02.3			16.0	off	rd.					
Mn ₂	04.8			14.0	110						
Me	against stops,										
F	15 30										

ADELAIDE OBSERVATORY.
Seismological Bulletin MARCH 1934 Continued.

No.	Date Mar.	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A		△	Remarks.
					N mm	E mm		
37	10	e	8 02 48				24°.67	No E-W record.
		i	07 06					
		e	10 21					
		Mn1	14.1	0.5				
		Mn2	16.7	0.9				
		F	9 10					
38	13	eP	13 18 30				34°.3	N-S record unreadable- traces run together.
		iS	23 58					
		iL	27 06					
		Mn1	30.3	14.0	16.8			
		Me1	30.6		1.8			
		Mn2	31.3	11.0	12.6			
		Me2	32.2		5.8			
		F	15 50					
39	15	e	10 58 43					N-S record too faint to read. E-W record phases masked in strong micros
		Me1	11 05 00			1.6		
		Me2	07 00			2.3		
40	16	iP	14 19 58				25°.9	Air tremors strong.
		iS	24 26					
		iL	26 08					
		Mn	33.3	15.0	2.9			
		Me	35.9		0.6			
		F	14 50					
41	20	eP	2 44 26				34°.0	E-W record too faint to read.
		iS	49 52					
		L	52 51					
		Mn1	56.3	17.5	3.7			
		Mn2	57.4	13.0	4.1			
		Mn3	58.5	15.0	4.6			
		Mn4	59.1	13.0	5.0			
F	4 40							
42	24	eWP	12 10 59				31°.2	
		i	11 22					
		i	12 40					
		iS	16 06	16.0	8.5			
		i	18 21					
		i	19 00					
		L	19 15					
		Mn1	21.0	23.0	16.6			
		Mn2	22.3	20.0	25.0			
		Me1	23.1		12.2			
		Mn3	23.5	13.0	17.0			
		Me2	25.3		8.5			
		Me3	27.2		8.5			
		Me4	27.7		5.9			
F	14 30							
43	27	e	3 33 56					
		e	39 11					
		Mn	44.4	15.0	0.6			
		Me	48.4		0.2			

CONSTANTS. Milne-Shaw (N-S) Period-March 15th, 15.3; May 3rd, 6.8
Damping ratio March 15, 20 : 1; May 3rd, 40 : 1 (approx)
Magnification 150.

Milne(E-W)	Period	Sensibility.
	March 2	16.8
		0".48
	6	17.4
	9	17.5
	12	17.3
	16	17.4
	20	17.4
	23	17.4
	27	17.6
	30	17.6
		0".48
		0".48
		0".43
		0".54

ADELAIDE OBSERVATORY.

Seismological Bulletin APRIL 1934.

No.	Date	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A		△	Remarks.
					N mm	E mm		
44	3	e e e(L) Mn ₁ Me Mn ₂ F	8 24 28 35 39 43 36 45.8 46.8 48.2 9 30	17.0 12.0	1.5 2.0			
45	9	e e(L) Mn Me	16 05 06 09 36? 15.2 16.6		1.0	0.2	Phases indefinite.	
46	10	i(P) iS i iL Mn ₁ Me ₁ Mn ₂ Me ₂ F	10 29 50 35 23 37 21 38 13 42.5 46.9 49.2 50.7 11 50	17.0 13.5	1.9 1.8	0.8 0.8	35°.2? * 3 secs. P phase in hour break	
47	11	eP i iS e(L) i Mn Me F	21 18 08 19 11 23 00 24 27 25 08 26.9 32.3 22 50	10.0	3.0	0.9	29°.0	
48	15	iP iPP i S i i iL Mn ₁ Me ₁ Me ₂ Me ₃ F	22 23 28 24 55 26 36 29 50? 32 52 34 27 35 33 40.3 41.6 43.8 47.7 24 15	28.0	3.5	1.6 3.1 4.0	42°.7? Faint record. S in hour break * 5 seconds. Subsequent Mn's too faint to identify time breaks.	
49	24	iP i iS i iL Mn Me F	2 05 30 06 44 10 26 11 34 12 56 15.7 18.2 2 45	6.0	1.6 1.0		Short period S.waves superimposed on L. Almost deep focus type with isolated maximum.	
50	24	e(L) e i e(L) Mn Me F	17 46 50 52 48 55 12 56 36 18 02.2 04.0 18 35	13.5	1.3	0.1		
51	26	e(P) iS eL Mn Me F	5 38 06 43.19 45 38 49.7 51.3 6 55	14.0	2.6	0.6	32°.1?	

ADELAIDE OBSERVATORY.

Seismological Bulletin APRIL 1934 continued.

No.	Date	Phase	Time (Greenh) H. M. S.	Recorded Period of Waves N-S	A		△	Remarks.
					N mm	E mm		
52	26	(e)	7 59 30	16.0	3.0	0.5		
		i(S)	8 08 18					
		iL	10 40					
		Mn ₁	14.9					
		Me ₁	16.5					
		Mn ₂	17.4					
		Me ₂	18.4					
F	9 35							
53	26	e	10 36 50	14.0	0.6			Very small. Not recorded on E-W.
		(L)	39 34					
		Mn	41.5					
F	10 55							
54	26	eP	13 47 01	22.0	0.8	0.1		
		i	48 2 28					
		iS	52 08					
		e(L)	56 48					
		Mn	14 03.5					
		Me	05.8					
F	14 30							
55	26	e	16 02 38	13.0	0.4			
		Mn	06 00					
		F	16 20					
56	26	eP	21 06 48	13.0	1.5	0.8	33°.4	
		e	09 32					
		iS	12 10					
		e	14 06					
		eL	15 00					
		Me ₁	19.6					
		Mn ₁	20.7					
		Mn ₂	21.9					
		Me ₂	23.7					
		F	22 35					
57	27	e	20 52 47	13.3	8.0		36°.9?	Mn's regular sinusoidal waves.
		iS	58 31					
		iL	21 01 15					
		Mn ₁	04.9					
		Me ₁	05.1					
		Me ₂	06.4					
		Me ₃	09.7					
		Mn ₂	10.7					
		Mn ₃	13.2					
		F	22 50					
58	27	e	23 00 45	14.0	0.9	0.1		
		Mn	04.9					
		Me	06.7					
		X	22 50					
		F	23 35					
59	28	eP	15 14 35?	13.0	0.9	0.2	37°.7?	
		eS	20 24					
		eL	24 20					
		Mn	29.2					
		Me	31.3					
		F	16 05					
60	28	e(L)	18 13 28	20.0	0.6	0.1		
		Mn	19.4					
		Me	19.9					
		F	18 30.					

CONSTANTS. Milne-Shaw (N-S) Period-May 8th, 6.8; Damping Ratio 40: 1, (approx.); Magnification 150.
 Milne (E-W) Period- April 3, 16.8: 6th, 16.6: 10th, 16.2: 12th, 16.1: 20th, 16.4 24th, 16.4: 27th, 16.8.
 Sensibility- 3rd, 0".48 : 12th 0".38.

ADELAIDE OBSERVATORY.

Seismological Bulletin MAY 1934.

No.	Date	Phase	Time ⁿ (Green) L. M. S.	Recorded Period of Waves N-S	A		△	Remarks.
					N mm	E mm		
60	1	e(P)	7 14 04	14.0	0.4	0.1	53° .3	P. small, in micros. S. pronounced-deep focus type.
		iS	21 34					
		i	21 56					
		i	23 47					
		e(L)	26 55					
		Mn	31.4					
		Me	31.7					
62	4	F	7 55	28.0	1.3	0.2	74° .0	Probably second shock.
		iP	4 55 30					
		i	57 46					
		iS	5 05 04					
		iSS	11 04					
		e(L)	21 53					
		Mn1	35 .3					
		Me	36.3					
		Mn2	39.4					
		i	6 23 06					
63	5	e(L)	39 08	23.0	0.3		44° .2?	
		Mn	50.5					
		F	7 30					
		e(P)	14 38 08					
		e	39 38					
		iS	44 40					
		i	45 16					
		iL	47 06					
		Mn1	49.4					
		Mn2	53.0					
64	5	Me1	53.0	13.5	0.8		44° .2?	
		Me2	54.9					
		F	15 35					
		i(P)	16 53 28					
		i	55 47					
		i	57 49					
		i(L)	58 34					
		Mn	17 00.6					
		F	17 11					
		65	8					
i	28 17							
i	30 55							
Mn	36.0							
Me	38.8							
66	11	(e)	18 25 18	16.0	0.4	0.1	58° .5?	
		e(S)	33 21					
		e(L)	35 24					
		Mn	39.9					
		Me	39.9					
		F	19 10					
67	13	iP	9 08 40	13.0	4.4	1.8	32° .0	
		i	09 07					
		i	10 24					
		i	12 16					
		iS	13 52					
		i	14 22					
		i	15 05					
		iSSS	16 00					
		iL	16 38					
		Mn	20.5					
		Me	20.8					
		F	10 30					

ADELAIDE OBSERVATORY.

Seismological Bulletin MAY 1934 Continued.

No.	Date	Phase	Time (Green ⁿ) L. M. S.	Recorded Period of Waves N-S	A		△	Remarks.
					N mm	E mm		
68	17	(e)	22 07 58					
		e	22 46					
		e	27 20					
		Mn	31.4	10.0	0.6			
		Me	32.8		0.1			
		F	22 46					
69	22	e	1 53 50					
		Mn	57.8	12.0	0.2			
		F	2 05					

CONSTANTS

Milne-Shaw (N-S) Period, May 3rd, 6.8. Damping Ratio 40 : 1 (approx
Magnification (nominal) 150.

Milne (E-W)	Period	Sensibility.
	May 1-16.8	
	4-16.3	
	8-16.2	
	11-16.4	
	15-16.4	
	18-16.5	0".48
	22-16.4	0".48
	26-16.6	
	29-16.3	0".50

ADELAIDE OBSERVATORY.

Seismological Bulletin JUNE 1934.

No.	Date	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A		△	Remarks.	
					N mm	E mm			
70	3	(e) e(S) eL Me ₁ Me ₂ F	21 10 32 14 28 18 16 20.2 25.3 21 55					N-S record too faint to read. Light spot out of adjustment.	
71	6	e L Me Mn F	3 36 12 43 12 47.3 50.1 4 25	16.0	0.5			0.1	
72	6	(xxx) (e) e e Mn F	2x2x 10 09 24 27 36 31 11 35.4 11 00					Very small. Not recorded on E-W.	
73	7	e e e i e Me Mn F	20 23 18 24 40 26 42 29 21 30 48 32.8 33.4 20 50	2.0 (Approx)	0.1			0.1	
74	9	iP i i i iS i i iL Mn ₁ Me ₁ Mn ₂ Me ₂ F	13 04 47 05 10 06 04 07 24 09 39 10 20 11 06 12 11 16.0 16.0 17.4 14 30	13.0 10.0	5.9 5.0			4.3 31	
	13	from 3 ⁿ to 13 ⁿ 30 ^m - Air tremors very strong.							
75	13	e(P) eS eL Mn ₁ Me ₁ Me ₂ Mn ₂ Me ₃ F	22 23 40 34 45 46 28? 59.4 23 02.2 05.9 07.4 09.7 23 45	26.0 20.0	0.6 0.8			0.3 0.4 0.2	
76	14	Mn	21 55.6	26.0	0.1				
77	15	e(P) iS i i eL Me Mn F	2 58 04 3 03 11 05 31 06 34 07 20 09.2 12.6 3445	13.0 13.0	0.6			0.2	
78	22	(e) L Mn Me F	18 02 10 10 27 14.6 16.0 18 35	19.0	0.3			0.3	
79	24	e(P) eS L Mn Me F	3 35 19 39 13 40 32 43.4 43.6 4 30	13.0	2.2			0.3	
								21°.9 in micros	

ADELAIDE OBSERVATORY.
Seismological Bulletin JUNE 1934 Continued.

No	Date	Phase	Time (Green ^h)	Recorded Period of	A		△	Remarks.
					N	E		
	June		L. M. S.	Waves N-S	mm	mm		
80	24	i	6 10 43					
		e	15 13					
		e	19 12					
		i	25 40					
		eL	27 32					
		Mn ₁	30.6	13.0	0.5			
		Mn ₂	36.6	23.0	0.6			
		Me	36.6			0.1		
F	8 20							
81	28	i(S)	1 09 42					P. lost in micros, and difficult double image of trace.
		i	10 32					
		iL	12 28					
		Mn ₁	14.8	18.0	1.0			
		Me ₁	15.7			0.2		
		Mn ₂	16.6	14.0	1.6			
		Me ₂	17.3			0.3		
		Mn ₃	18.2	12.0	1.3			
		Me ₃	19.6			0.5		
F	2 15							
82	29	iP	8 30 44			3.6		25° .1 Deep focus.
		i	32 22			2.5		
		iS	35 06			7.5		
		i	35 10					
		i	36 26					
		Mn	38 21	6.5	11.7			
		Me	38 24			1.1		
		i	39 44			4.0		
F	9 40							
83	29	iP	12 40 34					in micros. Deep focus.
		i	42 18					
		iS	45 06			1.0		
		i	45 14					
		i	48 28					
		i	51 40					
		Mn	55.1	6.0				
F	13 00							
84	30	(e)	8 28.9					
		Mn	30.3	10.0	0.2			
85	30	eP	12 08 21					in micros.
		iS	12 32					
		L	13 59					
		Me	14.7			0.2		
		Mn	15.3	12.0	1.2			
		F	12 50					

CONSTANTS. Milne-Shaw(N-S) Period July 6th, 10.3: Damping Ratio 20 : 1
Magnification(nominal) 150.

Milne(E-W) Period. Sensibility.
 June 1-17.0
 5-16.5 0".54
 8-16.4
 12-16.4
 15-16.3
 19-15.8
 22-16.3
 26-16.4
 29-16.3

ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of July, 1934.

No.	Date July 1934	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.	Remarks.
86	4	(e) eL Mn F	2 05 40 24 40 32.3 3 00	18.0	0.3	Not recorded E-W.
87	4	e e Me Mn F	13 34 22 37 53 39.9 41.9 13 50	10.5	0.1 0.2	Very small.
88	6	e eL Mn F	23 16 32 37 05 52.2 24 40	23.0	0.5	Not recorded E-W.
Micros. very strong July 8 - 10.						
89	10	e e e Mn F	21 19 58 24 06 28 31 32.0 21 50 ⁷	10.0	0.6	Small, and in heavy micros.
90	12	e(P) c(S) i i e(L) Mn Me1 Me2 F	14 31 45 36 46 37 22 38 18 39 32 41.7 42.5 45.5 14 58	8.0	1.8 0.4 0.8	309.3? Micros. fairly strong.
91	18	(e) e e Mn Me F	22 31 39 36 12 38 40 43.7 46.8 23 00	10.0	0.4 0.1	Small.
92	18	i(P) i i i i(S) (L) Mn1 Mn2 Me1 Me2 F	1 58 18 59 20 2 00 11 05 08 11 50 16 48 2 37 10 43.8 50.0 50.9 56.0 6 30	20.0 19.0	0.3 1.3 1.6 1.8 3.4 5.3 6.7 2.1 5.4	Apparently two shocks.
93	18	e e(L) Mn1 Me Mn2 Mn Me F	13 15 22 22 16 25.7 27.3 29.0 55.8 56.9 14 35	15.0 12.0 16.0	1.0 0.5 0.8 0.6 0.3	Phases masked by micros.
94	18	i(S) i e L Mn Me F	17 22 36 33 59 37 25 44 30 ⁷ 18 15.0 16.8 19 20	17.5	1.5 0.4	Probably second shock, but phases lost in coda of No. 93.
95	18	iP	19 47 10		33.2	

No.	Date July 1934	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves F-S	A mm.	Remarks.
95	18	1	19 49 33	20.0	21.0	
		1	50 28			
		1	51 47			
		13	52 30			
		133	52 31			
		1333	55 10			
		1L	56 06			
		Mn1	57.2			
		Mn2	59.2			
		Mn3	20 02.7			
96	18	13	21 41 48	18.5	4.2	Se against stops.
		L	45 27			
		Mn1	47.9			
		Mel	48.8			
		Mn2	49.8			
		Me2	52.6			
97	18	L	22 16 15	23.0	2.4	
		Mn1	27.3			
		Mn2	32.6			
		Me	32.9			
98	19	F	24 10	33.0	33.0	95 - 97 overlap.
		1P	0 13 27			
		1	14 08			
		1	16 10			
		13	18 49			
		1	19 12			
		1L	21.2			
		Mn1	25.0			
		Mel	25.3			
		Mn2	27.3			
99	19	Me2	28.0	12.0	7.2	
		Me3	29.3			
		Me4	31.8			
		1P	1 34 17			
		1	35 13			
		1	39 41			
		13	40 12			
		1	42 09			
		133	42 43			
		1	43 30			
100	19	1L	44 12	20.0	11.1	
		Mn1	46.4			
		Mel	46.9			
		Me2	49.9			
		Mn2	50.0			
		Me3	50.9			
		Mn3	51.4			
		F	4 35			
		1	5 06 58			
		(L)	13 53			
101	19	Mn	16.2	12.0	0.6	
		Mel	17.7			
		Me2	19.4			
		(1)	5 52 10			
		e(P)	53 00			
		1	54 06			
102	19	13	57 11	20.0	2.5	
		1	59 44			
		L	6 00 20			
		Mn1	04.3			
		Mel	04.6			
		Mn2	06.6			
		Me2	07.6			
		F	7 36			
		1P	7 44 36			
		1	44 52			
101	19	1(PcP)	46 24	12.0	6.5	
		1	48 41			
102	19	1	48 41	43.0	4.0	100 - 101 overlap.
		1	48 41			

Seismological Bulletin. Month of July, 1934.

No.	Date July 1934	Phase	Time (Greenh) H. M. S.	Recorded Period of Waves M-3	A mm.	△	Remarks.
102	19	i3	7 48 55	25.0	2.2		
		i	49 56				
		i	51 06				
		i	51 40				
		iL	52 06				
		Mn1	56.0	18.0	17.5		
		Me1	56.5		1.8		
		Mn2	57.0	14.5	24.5		
		Me2	59.2		9.7		
		Mn3	59.6	14.0	12.2		
		Me3	8 01.0		7.6		
		F	9 45				
103	19	(e)	9 58 48				
		Mn	10 04.9		0.2		
		Me	04.9		0.1		
		F	10 40				
104	19	e	12 12 24				
		e	16 00				
		eL	19 02				
		Me	21.6	15.0	0.5		
		Mn	21.2				
		F	12 48				
105	19	e(P)	24 10 27			17° 6'	
		e	11 40				
		i	14 02				
		i(S)	14 41				
		L	14 45				
		Mn	18.7	12.9	1.5		
		Me	20.5		0.2		
		F	24 20				
106	20	(e)	4 04 46				
		i	05 37				
		e	07 05				
		L	08 31				
		Mn	13.6	13.0	1.2		
		Me	14.2		0.3		
		F	4 55				In micros.
107	20	e	8 15 02				
		Mn	17.7	15.0	0.4		
		Me	19.6		0.3		
		F	8 30				
108	20	iP	17 00 12			21° 0'	
		i3	04 00				
		i	05 36				
		eL	06 21				
		Mn	08.2	11.0	0.5		
		Me	08.2		0.2		
		F	17 30				
109	20	eP	18 22 35			26° 0'	
		i	24 13				
		i	26 09				
		i3	27 04				
		i	28 30				
		eL	29 10				
		Mn	31.2	14.0	2.0		
		Me1	32.7		2.1		
		Me2	34.6		3.0		
110	20	iP	19 01 02			26° 0'	
		e	02 47				
		i	03 26				
		i3	05 31				
		eL	07 31				
		Mn1	09.7	15.0	5.2		
		Me1	09.7		2.0		
		Me2	13.3		1.3		
		Mn2	15.0	17.0	3.0		
		F	20 08				

ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of July, 1934.


No.	Date July 1934	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.	Δ	Remarks.
111	21	iP	8 25 05			36° 0	
		iPP	26 34				
		i	27 36				
		i3	30 43				
		i	30 51				
		m	31.2	16.0	15.0		
		i	34 40				
		iL	35 04				
		Mn1	39.0	16.0	51.4		
		Mn2	41.1	14.0	55.4		
		Mn3	44.7	12.0	39.6		
		F	11 30				Me against stops. Includes no. 112.
112	21	i(P)	7 30 11			33° 3	
		i(S)	35 32				
		i(L)	39 08				Difficult - all phases heavily masked by after- shocks of no. 111.
		Mn	41.0	19.0	11.0		
		Me1	43.0		9.0		
		Me2	45.0		8.0		
113	21	iP	11 02 10				
		i	04 41				
		i	14 45				
		e	19 21				
		eL	43 32				
		Mn	51.1	17.0	0.9		
		Me	56.0		0.7		
		F	12 30				
114	21	e	13 51.9				Not recorded N-S.
		Me	55.1				
		F	19 08				
115	21	e(E)	20 20 30				
		e(L)	28 35				
		Mn	31.6		0.3		
		Me1	32.0		0.3		
		Me2	35.7		0.4		
		F	20 57				
116	22	e(P)	3 04 43			32° 0	
		e	06 34				
		i(S)	10 00				
		i	11 03				
		eL	13 20				
		Mn	13.3	17.0	2.5		
		Me1	13.3		1.3		
		Me2	23.7		0.9		
		F	4 02				
117	25	(e)	1 48 52				Small.
		eL	xxxxx 50 44				
		Mn	55.2	11.0	0.1		
		Me	55.3		0.1		
		F	2 07				
118	25	(i)	15 54 11				Very small.
		Mn	58.9	(13)	--		
119	27	e	12 37 12				
		e	38 44				
		i	40 36				
		eL	41 32				
		Mn	46.5	15.0	1.0		
		Me	47.8		0.8		
		F	xxxxx 13 40				
120	27	i	23 42 30				Small.
		e(L)	46 14				
		Mn	48.8	8.0	0.3		
		Me	48.8		0.1		
		F	23 57				
121	28	e(L)	22 22 20				
		Me	23.2		0.2		
		Mn	24.3	20.0	0.6		
		F	22 48				

Seismological Bulletin. Month of August, 1934.

No.	Date Aug. 1934	Phase	Time (Greenh) H. . S.	Recorded Period of Waves N-S	A mm.	△	Remarks.
126	1	e In Me F	0 03 20 07.7 11.9 0 40	18.0	0.5		In micros.
		Irregular waves	On 50m to 3h 40m;				may be maximum at 1h 34m.3.
127	2	e e(L) In Me F	3 08 48 09 54 12.3 16.8 3 38	12.0	0.4 0.1		
128	2	i(P) i i i(S) (L) Me Mn F	7 07 40 08 48 10 21 11 00 13 38 12.7 14.9 8 10	10.0	0.6 2.2		
129	4	i(P) i i(S) L Me Mn1 Mn2 F	13 14 52.59 15 50 18 49 25 03 27.3 30.3 33.7 14 25	13.8 11.0	4.7 2.7	2999	
130	7	iP iPP (PcP) i iS i i(SS) (ScS) iL Mn1 Me1 Mn2 Me2 F	3 46 52 48 04 49 46 50 30 52 05 52 43 53 42 57 22 54 42 58.5 59.6 00.9 4 03.1 5 20	17.0 16.0	18.6 5.6 12.0 9.1	32.2	
131	8	e i e(L) Me Mn F	13 27 32 31 38 35 40 35.4 40.2 14 00	8.0	0.3 0.5		
132	9	i e L Me1 Mn Me2 F	19 45 20 49 00 52 03 53.6 59.2 56.0 lost in No. 133.	9.0	0.4 0.9 0.6		
133	9	e e e(L) Me Mn F	20 04 12 07 23 12 41 13.1 19.9 20 50	10.0	0.7 0.8		
134	11	(e) e(L) Mn Me F	4 32 30 43 16 44.9 51.2 5 00	19.0	0.3 0.1		Small!

ADELAIDE OBSERVATORY.



Seismological Bulletin. Month of August, 1934.

No.	Date Aug. 1934	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.
135	11	eP	12 04 00			31° 0	
		iS	09 06				
		i	09 24				
		i	10 15				
		L	11 36				
		Mn1	16.1	13.0	2.6		
		Me1	16.1		2.1		
		Me2	19.7		1.7		
		Mn2	20.6	13.0	3.6		
		F	13 15				
136	11	(i)	13 21 11				May be in coda of 135.
		(e)	33 08				
		Me	46.0		0.2		
		Mn	49.5	11.0	1.0		
		F	14 10				
137	12	e	7 13 27				Very small.
		e(L)	19 09				
		Me	20.3		0.1		
		Mn	24.8	9.0	0.2		
		F	7 45				
138	12	e	13 53 34				
		e	59 30				
		e(L)	14 03 39				
		Me	04.7		0.1		
		Mn	07.7	11.0	0.3		
		F in	No. 139.				
139	12	e	14 15 08				
		e(L)	19 37				
		Mn	25.6	10.0	0.3		
		Me	26.2				
		F	14 44				
140	12	iP	23 57 46			41° 8	
		i	58 57				
		iS	24 04 02				
		i	05 03				
		(L)	11 46				
		Mn	20.9	16.0	1.3		
		Me	25.5		0.5		
	13	F	1 50				
141	13	e(P)	10 55 03				
		e	58 09				
		e(L)	59 05				
		Me	11 01.7		0.3		
		Mn	02.4	8.0	0.5		
		F	11 23				
142	14	(i)	8 57 09				Micros. very strong.
		(i)	9 01 18				
		e(S)	06 22				
		L	09 30				
		Mn	11.5	10.0	0.5		
		Me	12.7		0.2		
		F	lost in micros.				
143	21	e	9 57 00				Small.
		Me	00.5		0.2		
		Mn	10 01.7	11.0	0.3		
		F	10 20				
144	23	e	23 42 03				Probably two shocks.
		Mn	47.9		1.0		
		Me	53.5		0.7		
		i	24 00 40				
		Mn	06.4	19.0	2.6		
		Me1	08.0		1.4		
		Me2	12.6		1.3		
		F	1 20				
145	30	(e)	22 22 09				
		eL	26 30				

ADELAIDE OBSERVATORY

Seismological Bulletin.


Month of August, 1934.

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.	
145	30	Mn	22 29.7	13.0	0.5			
		Me	30.5		0.1			
		F	22 55					
Seismological Bulletin. Month of September, 1934.								
No.	Date Sep.	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.	
146	3	(e)	21 38 54				Small.	
		(L)	42 55					
		Mn	46.2	13.0	0.2			
		Me	46.9		0.1			
		F	22 10					
147	4	e(P)	16 40 25			35° 0		
		eS	45 57					
		L	47 07					
		Mn1	51.6	14.0				
		Mn2	52.3	14.0				
		Me1	53.2		1.1			
		Me2	54.6		1.2			
		F	18 20					
148	5	e(L)	15x35 35					
		Mn	38.3	14.0	0.3			
		Me	39.0					
		F	15 50					
149	6	(e)	0 47 15				Phases completely masked by micros.	
		Mn	51.4		0.7			
		Me	58.8		0.2			
		F	1 20					
150	8	e	11 32 30				Phases masked by micros.	
		i	36 20					
		Mn	39.2	11.0	0.7			
		Me	42.6		0.4			
		F	12 12					
151	13	(e)	6 15 44				Small.	
		Mn	19.5	13.0	0.2			
		Me	19.7		0.1			
		F	6 35					
152	15	iS	0 09 00				E-W not recorded.	
		iL	11 32					
		Mn	15.5	14.0	1.6			
		F	0 50?				In micros.	
153	21	i	6 01 27				Small.	
		i	02 33				Phases masked by micros.	
		e	04 21					
		Mn	08.4	7 (approx.)	0.4			
		Me	08.6		0.1			
		F	lost in micros.					
154	22	(e)	23 12 48				Small.	
		i	15 47					
		i(S)	16 50				Micros. moderate.	
		(L)	18 05					
		Mn	19.1	8.0	0.4			
		Me	19.7		0.1			
		F	23 55					
155	23	(e)	8 07 45					
		e	10 09					
		i	14 30					
		Mn	20.0	12.0	0.5			
		Me	24.6		0.2			
		F	0 55					

ADELAIDE OBSERVATORY.

Seismological Bulletin.


Month of September, 1934.

No.	Date Sep.	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.
156	24	e	10 46 19		0.5		
		e	49 10				
		Mn	54.9				
		Me	11 00.3				
		F	11 15				
157	25	e(P)	19 21 26		0.1	27 ^{0.0?}	Phases masked by micros.
		i(S)	26 03				
		(L)	27 53				
		Mn in hour break.					
		Me	19 32.4				
		F	20 00				

Heavy micros. persistent Sept. 26 8 30 - Sept. 29 20 30;
 average maximum amplitude 1.3 mm. Sept. 27 3 30 - 8 30;
 period 7s.0; period between maxima 0m.9.

ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of October, 1934.

No.	Date Oct.	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.
158	4	eP i e(S) eL Mn Me F	8 04 37 05 38 09 49 13 24 16.3 17.3 8 40	16.0	0.6 0.1	32° 0?	
159	5	e (L) Me Mn F	21 35 14 37 30 41.5 43.3 22 05	12.0	0.1 0.4		Phases masked by micros.
160	10	Series of irregular waves, Oct. 6 7 09 - 7 15.				29° 9?	Deep focus type.
		eP e i iS m i i i L Me1 Mn1 Mn2 Me2 F	15 48 47 49 58 51 12 53 45 53 50 53 54 54 08 54 23 55 37 56.3 56.9 57.9 16 06.6 17 20	9.0 10.0	0.4 3.2 12.0 0.9		Single, large wave.
161	11	eP i(S) e(L) Mn Me F	17 43 31 44 51 46 15 48.1 48.2 18 05	6.0	1.5		Small, very short periods.
162	13	iP i(PP) i(PcP) iS i L Mn1 Mn2 Me1 Mn3 Me2 Mn4 F	7 55 13 56 40 57 50 8 00 39 01 23 03 09? 05.3 07.0 07.5 07.8 08.7 08.9 9 40	8.0 20.0 11.5 14.0	3.6 5.6 1.9 5.7 5.6 7.0	33° 6	
163	21	i F	18 02 39 18 55				Small; shallow waves. maximum indefinite.
164	25	i e(L) Mn1 F	10 33 00 34 45 36.8 11 05	10.5	1.4		E-W not recorded.
165	26	i(P) e (i) i(S) m Mn F	14 50 02 52 12 53 09 54 26 54.5 57.7 15 20	9.0	1.5 1.2		Deep focus. E-W light out.
166	26	e i iS e(L) Mn	17 21 43 22 33 30 15 41 28 49.0	18.0	0.7	60° 4?	Phases masked by micros. E-W light out.

ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of October, 1934.


Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.	△	Remarks.
167	27	e 10 29 25 Mn 33.7 Me 36.6 F 10 55	18.0	0.9 0.2		Series of long period waves, no phases discernible.

Month of November, 1934.

168	4	eP 2 00 43 e 01 30 iS 06 03 iL 08 09 Mn1 12.3 Mn2 12.9 Me1 13.7 Mn3 14.0 Me2 14.2 Me3 16.0 Me4 18.9 F lost in No. 169.	14.0 14.0 13.0	11.7 8.1 2.2 11.6 3.0 3.1 2.9	32.5	
169	4	eP 3 20 52 e 22 12 e 24 34 iS 26 28 iL 28 19 Mn1 32.9 Mn2 33.5 Me1 34.8 Me2 39.4 F 5 50	14.0 14.0	19.3 19.0 4.5 3.4		
170	4	e 13 28 53 e 30 23 eL 32 15 Mn 34.8 Me 36.5 F 13 45	11.0	0.6		Very small.
171	4	e(L) 14 23 47 Mn 25.9 F 14 50	15.0	0.3		
172	4	(e) 16 37 58 e 39 40 e 41 44 L 43 33 Mn 46.5 Me 47.6 F 17 25	15	1.3		
173	4	(e) 18 31 41 i 32 12 (e) 37 25 Mn 39.3	13	0.3		Very small.
174	5	e 1 21 13 Mn 24.5	12	0.1		Very small.
175	5	e 1 28 18 Mn 43.3	11	0.1		" "
176	5	e 5 59 04 i 6 02 36 (e) 05 49 eL 10 58 Mn 12.8 Me 14.8 F 6 35	10	0.2 0.1		Very small.
177	5	(e) 23 17 45 e 26 17 Mn 33.3 Me 34.1 F 24 40	14	1.4 0.2		

ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of November, 1934.

No.	Date Nov.	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.
178	6	e eL Mn Me F	13 30 25 32 40 33.7 35.2 13 43	14	0.3		
Large micros. and air tremors Nov. 8 - 9							
179	9	eE (L)E ME	3 47.4 50.9 54.3		0.1		N-S record heavily masked by air tremors and micros.
180	10	(e) (e) iL Mn Me F	8 03 10 07 30 10 24 11.4 11.5 8 40	12	0.6 0.1		May be micro.
181	10	e(L) Mn Me F	16 20 20 21.2 24.6 16 40	13	0.4		Very small.
182	16	(e) e eL Mn Me F	12 14 23 18 53 21 44 25.3 25.6 12 55	16	0.9 0.4		
183	16	eP iPP (e) iS i (e) L Me1 Mn1 i Me2 Me3 Mn2 Mn3 Me4 F	13 49 28 50 17 52 45 54 20 54 39 55 56 56 40 57.6 57.7 59 00 14 01.5 02.4 02.6 03.6 04.3 15 30	14 16 14	0.5 1.5 4.0 7.4 7.3 4.3	29°.0	Probably double shock.
184	18	eP iS F	22 02.1 03.8 22 19				Times uncertain for Nos 184 and 185.
185	18	eP i iS iL Mn Me F	22 47.0 48.0 52.1 54.1 59.8 23 00.6 24 10	19	2.5 1.1		
186	20	(e) e Mn F	18 03 50 05 22 06.4 18 16	9	0.2		Very small.
187	21	e(P) i(S) Mn F	6 36 18 36 44 37.3 6 45	7	0.3		Phases extremely small; local shock.
188	22	i e eL Me	3 38 27 40 15 44 02 44.6		0.3		Phases very small.


ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of December, 1934.

No.	Date	Phase	Time (Greenh) H. M. S.	Recorded Period of Waves N-S	A mm.	△	Remarks.
194	5	(e)	19 08 39				Possible traces earlier.
		(e)	11 40				
		e	14 56				
		eL	18 00				
		Mn	23.4	11	1.2		
		F	11 50				
195	12	eP	8 46 54			30.4?	In micros.
		iS	51 56				
		iL	54 34				
		Me	55.6		0.1		
		Mn	9 00.5	11	0.6		
		F	9 15				
196	15	(e)	2 13 10				
		iS	19 59				
		e(L)	27 12				
		Mn1	36.3	34	1.6		
		Mn2	42.4	29	3.1		
		Me	57.0				
		F	5 10				
197	15	(i)	18 03 26				Very small.
		e	08 13				
		Mn	12.7	7	0.2		
		F	18 35				
198	15	(e)	19 20 00				Deep focus?
		i	22 20				
		iS	26 10		3.0		
		(e)	27 49				
		i	30 09		1.9		
		i(L)	32 10				
		Mn1	34.8	12	0.4		
		Me	36.0		0.1		
		Mn2	36.5	11	0.6		
		F	20 00.2				
199	17	eP	15 59 21				Traces run together.
		iS	16 04 38				
		e(L)	06 04				
		Me1	12.8				
		Mn1	13.0	18	3.0		
		Mn2	14.6	15			
		Me2	16.0		3.0		
		Mn3	17.1	10			
		Me3	17.9		3.0		
		Me4	22.4		2.3		
		F	18 50				
200	25	(e)	5 50 30				Long, shallow waves inter- vening.
		e	55 23				
		e	6 00 33				
		Mn	08.0	13	0.3		
		i	44 30				
		Mn	59.7	20	0.6		
		F	8 43				
201	28	(e)	11 33 30				
		e	39 16				
		eL	42 35				
		Mn	48.0	11	1.6		
		Me	52.7		1.2		
		F	13 20				
202	30	(e)	14 22 46				
		(e)	29 05				
		e	31 20				
		(e)	38 22				
		Mn	44.8	21	0.2		
		e	49 26				
		e	53 12				

ADELAIDE OBSERVATORY.

Seismological Bulletin. Month of December, 1934.

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.		Remarks.
202	30	Mn Me F	15 00.1 07.3 15 45	18	0.4 0.1		(continued).
31			Small disturbance, with no apparent principal phases, 14h 34m - 14h 55m, max. at 14h 48m.7				
203	31	e xxxx eE e e i i L Me1 Mn1 Mn2 Me2 F	19 11 26 11.7 15 40 23 02 23 00 25 39 36 16 50.8 20 04.2 09.0 09.1 21 45				Remote origin.
				16 16	0.5 1.4 1.4 0.5		