

ADELAIDE OBSERVATORY,

SOUTH AUSTRALIA.

SEISMOLOGICAL BULLETIN.

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GOVERNMENT ASTRONOMER.

ϕ . 34°. 55'. 38 0". S. λ . 9^h. 14^m. 19.81^s. E. Height above Mean Sea Level—134 feet.

SITUATION.—5 miles West of Mount Lofty Ranges, 5 miles East of Sea Coast.

FOUNDATION.—Marly Limestone and Clay of Adelaide Plains, to depth of 40 feet. Miocene Sandstone probably below. Depth of bedrocks not known, probably 1,000 to 2,000 feet.

INSTRUMENTS.—Milne's Horizontal Pendulum, No. 50, 1904 Pattern. E.—W. Component Recorded.
Milne-Shaw Seismograph, No. 35. N.—S. Component.

NOTATION.

I. = perceptible.	II. = striking.	III. = very striking.
	d (domesticus) = local.	
	v (vicinus) = near (less than 1000km.).	
	r (remotus) = distant (1000km.—5000km.).	
	u (ultimus) = very distant (over 5000km.).	

PHASES.

P (primae)	= 1st preliminary tremors (commencement).
S (secundae)	= 2nd preliminary tremors (commencement).
L (longae)	= 2nd principal phase, Rayleigh waves.
M (maximae)	= maximum amplitude of L waves.
C (coda)	= a prominent wave among the "after tremors."
F (finis)	= last perceptible movement (non-microseismic).
PR ₁ , PR ₂	= 1st and 2nd reflected waves of P.
SR ₁ , SR ₂	= 1st and 2nd reflected waves of S.
i (impetus)	= abrupt commencement, clearly defined.
e (emersio)	= gradual commencement, not clearly defined.
E, N	= E-W or N-S component of earth oscillation.
△	= approximate distance from epicentre in km.
E.Q.	= earthquake.

SEISMOGRAPH REGISTER

JANUARY 1926

ADELAIDE OBSERVATORY

Bulletin No. 1

No.	Date	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks.
X 1	5	IIIr ep s eL Mn1 Mn2	7 34 26? 39 55 42 58 45 37 46 30	16.6	3.4 2.8		3700	N-S record difficult. E-W record fogged.
2	18	IIIr ep iPR2 es eL Mn1 Mn2 Mn3 Me1 Me2 Me3 Me4 Me5 Me6 F	21 23 34 24 58 29 18 32 23 34 11 36 12 37 02 37 48 38 25 39 55 42 10 52 00 53 05 22 21 00	14.3	5.6 5.0 4.6	1.7 2.1 1.6 1.6 2.4 2.5	3800	
3	25	IIIIr e e iP iS iL Me1 Mn1 Me2 Mn2 Me3 Me4 Mn3 Me5 F	23 58 48 0 35 45 42 41 47 42 49 55 50 05 52 35 53 00? 56 00 57 00? 59 50 1 00 20 4 30 00		30.0 80 80 XXX 74) 87)	6.9 10.0 9.5	3300	Me2 & Me3 against stops. Times of M's approximate.
4	25	Ir es eL Me	13 21 50 24 08 26 20			0.7	3300?	

(2)

January Continued.

No	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks	
5	26	IIr	eP	7 10 58	13.0	13.0	4.0	2500		
			eS	15 04						
			SR1	15 50						
			L	16 13						
			Mn1	19 00						
			Me1	19 30						1.7
			Me2	21 25						1.7
			Mn3	23 20						
			Mn2	21 55						5.1
			Mn4	24 12						7.5
			Me3	24 45						6.7
			Mn5	25 55						4.2
			Me4	26 40						5.0
			Me5	28 35						4.4
F	8 35 00									
6	29	IIr	e	3 39 20	12.6	12.6				
			eS	39 38						
			eL	42 19						
			Mn1	44 45						1.7
			Mn2	45 45						1.9
			Mn3	47 13						1.7
			Me1	48 20						2.0
			Me2	50 25						1.4
			Me3	51 50						1.1
			F	4 25 00						
			8	29						Ir
S	9 47									
L	12 35									
Mn1	15 30	1.3								
Me1	16 20	0.7								
Mn2	16 30	0.8								
Mn3	17 40	1.0								
Me2	18 30	0.7								
Me3	21 15	0.7								
F	32 00									
8	30	I			eS	8 0 20				
			eL	6 00						
			Me	10 55	0.4					

Strong air tremors Jan. 4th, 13th, 19th and 28th.

Micro tremors Jan. 22nd-18 hrs 21 mins and 21 hrs. 47 mins.

Constants:-

N-S (Milne Shaw) Period 12 secs. Damping ratio 20:1

E-W (Milne) Sensitivity .48. Period 16.6 secs.

SEISMOGRAPH REGISTER

FEBRUARY 1926.

Bulletin No.2

Adelaide Observatory.

No.	Date Feb.	Char.	Phase	Time (Green h) H. M. S.	Recorded period of Waves N-S	A N	A E	Δ in kms.	Remarks	
9	3	I	eS	11 58 45					P.in micros N-S machine not working	
			eSR1	12 3 15						
			eL	7 00						
			Me1	12 05			1.2			
			Me2	14 15			0.6			
			Me3	16 40			0.7			
10	7	I	eP	2 51 20				2200	N-S trace off paper	
			iS	54 56						
			eL	56 06						
			Me1	58 20			0.6			
			Me2	3 03 45			1.1			
			Me3	4 40			0.8			
11	7	I	iP	7 57 00				2300		
			iS	8 00 48						
			iL	01 48						
			Me1	03 49			0.6			
			Mn1	04 40			2.6			
			Mn2	06 18			1.5			
			Mn3	06 51			1.5			
			Me2	08 39			0.6			
12	8	I	S	16 20 02				4000?	P. lost in air tremors	
			SR1	22 15						
			eL	23 38						
			Me1	28 30			0.5			
			Mn1	34 40			0.3			
			Mn2	37 30			0.3			
			Me2	38 02			1.6			
			Me3	44 20			1.1			
12	12	I	eS	7 54 56						
			eL	8 01 18						
			Mn	5 22			0.7			
			Me	10 30			0.3			
14	13	Iir	eP	9 15 25				3900		
			eS	21 09						
			eL	24 19						
			Mn1	29 10			1.2			
			Me1	31 16			1.1			
			Me2	32 42			0.9			
			Mn2	33 55			1.5			
			Me2				1.8			

Air tremors strong Feb. 1st, 8th, 15th-10 hrs 30 mins to 22 hrs; 22nd-11 hrs 30 mins to 22 hrs; 23rd-10 hrs 30 mins to 22 hrs 30 mins.

Constants:- N-S (Milne Shaw) Period Feb 1st to 5th 12.0 secs.
" 5th "28th -16.4 secs.

Damping ratio 20:1

E-W (Milne) Period 3rd to 8th 16.6 secs.; 12th & 13th 16.5 secs.

Sensibility- .48

March 1936

SEISMOGRAPH REGISTER

Bulletin No. 3

ADELAIDE


OBSERVATORY

No.	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	Δ in kms.	Remarks.
15	3	I	e e(L) Mn Me	19 41 25 46 07 50 02 53 00?		0.7	0.3		
16	4	I	ep PR1 IS SRI L Mn1 Mn2 Me1 Me2	9 38 36 40 00 44 39 47 30 49 00 54 20 56 35 56 45 10 00 10		2.2 4.2	1.0 1.1	4400	
17	8	I	S L Mn Me	17 40 36 42 30? 46 40 51 25		0.4	0.2		
18	11	I	eL Me	4 02 00 16 20			0.3		N-S trace ran off paper
19	12	I	e eL Mn Me F	20 27 20 36 10 38 25 38 25 21 11 00		0.4	0.2		
20	16	I	e e L Me1 Me2	13 49 25? 52 45 14 3 17 5 25 10 40			0.5 0.4		
21	17	I	es SRI? L M1 M2 M3 M4	12 59 40 13 3 27 8 56 12 47 14 24 19 25 21 42			0.3 0.3 0.4 0.4		
22	18	I	IS eL Me1 Mn1 Me2 Mn2 Me3 Mn3 Me4	14 47 14 56 10 56 57 15 01 42 18 35 ----- 24 37 24 37 34 15	30 23 18.5	1.3 1.7 1.4	0.2 0.3 0.5 0.8		very complex record. Probably several shocks. Air tremors precede.

MARCH 1926 Continued.
(2)

No.	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks.
23	Mar. 19	Ir	P iS L Mn1 Me1 Mn2 Me2 Mn3	19 09 40 14 58 17 23 20 46 21 17 21 34 22 24 23 26		1.5 1.8 2.1	1.2 1.3	3450	
24	20	I	eS eL Me Mn	1 34 17 39 02 42 00 42 30		0.5	0.2		
25	20	I	S L Me Mn	7 27 23 30 35? 33 18 37 45		0.6	0.2		
26	21	I	e(PRI) eS eL Me	12 27 20 32 37 42 32 47 00			0.4	5900?	
27	21	IIu	eP PP2 iS SR1 L Me1 Mn1 Me2 Mn2 Mn3 Mn4 Me3	14 34 36? 38 34 42 00 46 46 50 55 15 2 50 5 43 5 52 6 48 7 45 9 20 9 40	19.5 19.0	4.2 3.2 2.6 2.8	1.0 0.8 1.7	6200	
28	22	Ir	P iS iL Me1 Mn1 Me2 Mn2 Me3	18 35 36 40 48 43 10 47 16 48 03 48 32 49 13 51 20	16.0s	2.7 2.3	0.3 0.3 1.0 1.5	3400	
29	25	I	iS L Me) Mn)	19 16 39 18 22 23 30		0.6	0.3		

MARCH 1926 Continued.
(3)

No	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	 in kms.	Remarks.
30	27	III	IP	10 54 46				30±0	
			1PR2	55 25					
			19	59 22					
			1D	11 01 20					
			Me1	2 25			2.6		
			Mn1	5 00	25.4		6.2		
			Me2	5 30	39.5		7.8		
			Mn2	6 30					
			Me3	07 08	23.8		5.6		
			Mn3	8 16					
			Me4	9 45					

Air tremors strong March 27th, 10 hrs 30 mins-22 hrs 20 mins; 14th, 5 hrs 20 mins-16 hrs 30 mins.

Constants:- N-S (Milne Shaw) Period 16.± secs:Damping ratio 20:1
 E-W (Milne) Sensibility 3rd & 4th-.48, 8th-.49, 11th & 12th-.50
 16th & 17th-.52, 18th & 20th-.53, 21st & 22nd-.54,
 25th-.53, 27th-.52.
 Period- 3rd & 6th-16.6, 8th-16.2, 11th-19th-16.0, 20th-22nd-16.1,
 25th & 27th-16.2

SEISMOGRAPH REGISTER

APRIL 1926

Bulletin No.4

ADELAIDE OBSERVATORY

No.	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks.
31	7	I	e	14 12 25					
			es	36 03					
			eL	38 43					
			Me	47 03			0.6		
32	8	Ir	p	10 26 03				4500	
			PRL	27 31					
			es	32 08					
			(SR3)	35 26					
			L	37 20					
			Mn1	40 10		1.4			
			Me1	40 45			1.6		
			Mn2	41 16		1.3			
			Me2	42 30			1.6		
			Mn3	42 35		3.2			
33	12	III	1P	8 39 00				3400	
			1S	44 12					Times uncer-
			1L	46 34					tain. N-S record
			Mn1	50 30		81.0?			lines run to-
			Mn2	52 40		87.0?			gether. No E-W
									record, drums
									jammed.
34	15	I	eP	21 38 28				3300	
			es	43 30					May be one
			L	45 44					hour out.
			Mn1	47 13		5.0			
			Mn2	48 25		4.5			
			F	23 20 00					

Micros throughout 24th-29th.

Constants:- N-S (Milne Shaw) Period-13.4 secs. Damping ratio 30:1
 E-W (Milne) Period 16.1 secs.
 Sensibility- 7th & 8th -.42, 12th & 15th-.40

MAY 1936.

SEISMOGRAPH REGISTER

Bulletin No. 5

ADELAIDE OBSERVATORY

No.	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	$\frac{A_N}{A_E}$	A_E	Δ in kms.	Remarks.
	May								
35	14	I	eP eS eL Me	10 25 35? 30 28 33 06 37 20			0.3	3300	
36	17	I	e (S) L Me1 Me2	17 24 17 31 05 34 00 36 08 37 50			1.6 211		
37	20	I	e e eL Me1 Me2 Me3	7 08 25 12 14 13 14 20 42 30 10 33 05			0.4 0.6 0.7		No minutes on N-S Recd.
38	31	I	eP eS eL Me1 Me2	13 54 48 14 03 48 13 40 19 44 24 38			0.4 0.4	6700	Strong Micro- seism May 26- 20 hrs 20 m.
Micros on May 1st, 7th, 26th, 27th 29th & 31st.									

Constants:- N-S (Milne Shaw) Period -14.8 secs Damping ratio-20:1
 E-W (Milne) Period-15.7 secs. Sensibility- $\times .38$

SEISMOGRAPH REGISTER

JUNE 1926.

Bulletin No.6

ADELAIDE OBSERVATORY

No.	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	Δ in kms	Remarks,
39	3	II	Mn1 Me1 Mn2	5 03 00 04 05 06 48		10.1 11.8	5.0?		Phases lost in changing re- cords
40	18	I	e(S) eL Me	10 55 42 11 02 25 08 20			0.2		
41	19	I	eL Me Mn (no mins)	0 19 10 24 45		0.6	0.35		
42	19	Ir	P is L Me	11 31 28 34 13 36 10 36 55				1750?	
43	20	I	is Me Mn	7 17 30 19 05 19 28		0.5	0.3		
44	24	Ir	P is L Me Mn	21 22 19 27 00 28 35? 33 25 33 44		1.5	0.5	3000	
45	25	Ir	P S L Mn Me F	2 05 16 10 22 12 35 18 15 31 00		0.6	0.2	3300	
46	26	Iu	P S isR1 (L) L Mn Me F	20 07 20 18 00 24 32 35 18 38 05 41 20 46 15 22 12 00		2.1	0.5	11000?	
47	28	IIIu	eP is isR2 L Mn1 Me1 Mn2 Me2 Me3 Mn3 Mn4 Me4	3 32 12 39 18 44 16 47 00 48 15 48 52 51 20 52 00 53 05 53 25 54 28	20.0	10.1 12.2 10.5 9.6	1.3 2.8 3.3 5.0	5500	

JUNE 1926 Continued
(2)

No.	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	Δ in kms	Remarks,
48	28	Ir	P	6 31 15	17.1	1.4	0.5	3100	
			S	36 4					
			L	38 5					
			Mn1	40 11		2.4			
			Mn2	43 40					
			Me1	45 00			0.6		
			Me2	46 32					
			F	7 30 00					
49	29	IIu	iP	14 37 14		2.7	1.2	6820	
			iPR1	39 55					
			iS	45 35					
			eL	55 21					
			Me1	59 18			1.1		
			Mn	15 00 35					
			Me2	00 26					
			F	15 33 00					
Micros on June 22nd.									

Constants:- N-S (Milne Shaw) Period 15.7 secs Damping ratio 20:1
 E-W (Milne) Period- 3rd-15.7 secs; 18th-29th-16.0 secs.
 Sensibility .48

SEISMOGRAPH REGISTER

ADELAIDE

OBSERVATORY

JULY 1926

Bulletin No. 7

No	Date	Char	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
50	1	IIIu	eP is SR1 L Mn1 Mn2 Mn3 Mn4 Mn5 Me Me	14 17 35 24 23 27 51 30 43 31 32 32 50 35 20 38 35 40 55 48 30? 57 ?	19.0 17.9	11.5 13.6 20.6 13.2 16.3	3.4 2.8	5200	S Sumatra E-W record faint first maxima illegible F in micros Micros strong to 23 hrs.
51	2	I	e e eL Mn Me	6 11 00 17 30 21 50? 25 30 27 15		0.5	0.3		
52	7	I	eL Mn Me	12 00 28 03 50 04 15		0.5	0.2		Very small ampli- tude) phases in micros) Air tremors strong Jly. 9th. 2 hr 30 to 24 hrs
53	10	II	Me Me Mn Mn	1 35 10? 36 20 41 40 42 52		1.7 1.8	1.4 1.3		Phases lost in changing paper E-W record faint
54	10	IIIR	P is SR1 L Me1 Mn1 Mn2 Me2 Mn3 Me3 Me4	10 58 00? 11 04 00 06 27 07 45? 15 45 16 30 18 00 19 40 20 50 23 30 27 00		2.4 3.5 2.5	2.5 2.6 1.2 1.4	4200	Times of M's un- certain
55	10	I	e(s) eL Me	12 55 10 13 01 20? 07 25			0.4		N-S record un- readable
56	12	I	Mn Me	23 48 52 49 55		0.7	0.3		Air tremors present
57	16	IIR	P is L Mn1 Mn2 Mn3 F	2 11 00? 15 41 18 15 22 02 24 06 24 48 in air tremors	17.0	3.1 7.9 7.2	3200?	Air tremors precede	

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ADLAIDE
OBSERVATORY

July 1926 Continued

Bulletin No. 7

No.	Date	Char.	Phase	Time (Green ^d) H. M. S.	Recorded period of Waves N-S	A N	A E	Δ in kms.	Remarks
53	18	I	Mn1 Mn2	19 48 05 20 02 46		0.6 0.3			Phases in micros Possibly 2 Earth Quakes
59	24	I	e Me Ih	20 45 33 51 55 52 40		0.8	0.3		Air tremors very strong Jul. 23- 7 hr to 24 hrs.
60	25	Ir	e eL Me F in micros	4 51 45 53 50 5 00 05			2.3		N-S instrument off level
61	25	I	L Me Mn1 Mn2	8 44 17 44 55 46 55 47 30			0.25		Phases in micros
62	28	IIr	eP IS ISR1 SR2 L Mn1 Me 1 Mn2 Me2 Mn3 Me3 Mn4 Mn5 Me4 Me5 F	8 58 25 9 03 49 06 00 07 17 08 25 10 09 10 26 11 12 12.40 13 20 14 10 16 00 17 25 17 50 19 30	12.5 12.0	2.3 4.2 3.3 3.2 3.3	0.5 0.7 0.9 1.0 1.4	4400	
63	31	I	eL Mn1 Mn2	11 43 50? 47 30 51 20	10 25 about		0.5 0.4		Micros present amplitude small

Constants... Milne Shaw.. period 15.0 secs. Damping ratio x 20:1
 Milne -- Period 1st to 7th, 16.0 secs; 10th-15th, 16.2 secs.
 13th to 31st, 16.3 secs.
 Sensibility... 1st to 12th, .55; 16th to 18th, .53;
 24th to 31st, .50 .

SEISMOGRAPH REGISTER

ADELAIDE

OBSERVATORY

AUGUST 1926

Bulletin No. 8

No	Date	Char.	Phase	Time Recorded (Greenwich) H.M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks	
52	2	Ilu	P PK1 IS ISR1? L Mn1 Mn1 Mn2 Mn3 Mn2 Mn3 Mn4	5 09 40 12 00 17 36 21 20 27 12 28 00 28 12 32 30 35 00 35 35 36 32 39 45				6500	difficult record. Air tremors present	
53	2	Iu	s L Mn1 Mn2	13 17 35 27 32?					Micros present. Amplitude small E-W instrument boom stuck, Aug. 2nd about 11.30 to Aug. 8th-6 hrs.	
54	3	I	sP MS SL Mn1 Mn2	3 31 18? 33 30? 39 05 41 23					Air tremors pre- sent	
57	3	Iir	sP PR1 IS ISR2? L Mn1 Mn2 Mn3	10 38 33 39 46 44 31 48 00 48 40 51 35 52 50 54 15				4290		
58	3	I	s(L) Mn	20 12 27 15 00					0.7	
59	10	Iu	sP sS L Mn1 Mn2 Mn	21 23 13 23 44? 30 23? 36 44 37 50 39 35 42 42				5400		
60	14	Ir	sP S L Mn	2 39 00 44 45 48 20 53 23				4000		
61	14	I	Mn	21 51 45					0.5	Small amplitude phases in micros
62	15	Ir	sP sS sL Mn1 Mn2	2 32 00? 36 26 38 30? 48 07 42 46				2900?		
63	18	Ir	sP S L Mn1 Mn2	2 46 22 49 26 50 13 53 59 54 43				1900		

SEISMOGRAPH REGISTER
ADELAIDE OBSERVATORY

AUGUST 1926 continued

Bulletin No. 2

No.	Date	Char.	Phase	Time (Greenwich) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in mm.	Remarks	
74	19	Ir	OP	13 57 55?				4500?	N-S instrument off level.	
			PRL	59 40						
			OS	14 03 26						
			SRL	06 48						
			L	08 42						
			Me1	10 30						
			Me2	15 55						
75	25	IIIr	OP	5 51 05				3310		
			1PRL	53						
			1PRL2	53 10						
			1S	56 10						
			1L	58 19						
			Mn1	59 45						12.0
			Me1	59 45						1.2
			Me2	6 00 52						8.7
			Mn3	01 35						10.3
			Me2	01 55						2.3
			Me3	03 40						8.4
			Me4	04 20						8.5
			Me5	07 30						5.9
76	25	IIr	P	7 49 15				3300		
			PR2	50 15						
			1S	54 13						
			SRL	55 33						
			L	56 03						
			Mn1	57 42						2.3
			Mn2	8 00 40						5.4
			Me1	01 18						1.9
Me5	02 08	2.1								
77	25	I	eL	19 24 25?						
			Mn	29 25						0.8
			Me	30 15						0.3
78	26	Ir	S	6 52 35				4700?		
			SRL	56 33						
			L	57 42						
			Mn	59 35						2.3
			Me1	7 02 13						0.7
			Me2	04 05						0.6
			F	7 35						
79	31	I	eL	14 39 35?						
			Mn	41 44						0.7
			L	40 50						0.25

Constants- Milne Shaw- Period 15.0 secs. Damping ratio 20:1
 Milne- Period- 2-3rd, 16.5 secs; 10th-16th, 16.7 secs; 19th-31st
 16.6 secs.
 Sensibility- 2-3rd, .48; 10th, .46; 14th-19th, .46;
 25th-31st, .43.

SEISMOGRAPH REGISTER
ADLAIDE OBSERVATORY

SEPTEMBER 1926

Bulletin No. 9

No.	Date	Char	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	Δ in kms.	Remarks
80	1	Ir	iP eS L Mn1 Mn2 Me1 Me2	12 20 42 26 40 30 14 32 03 34 40 34 30 36 25		0.9 1.3	0.3 0.3	4100	
81	2	Iu	P1 P2 iS1 iS2 iSR2(1) iL1 Mn1 Mn2 Me1 Mn3 Me2 Me3 Me4	1 32 26 33 12 41 06 42 05 48 33 51 50 54 45 56 21 58 12 58 50 2 02 40 06 06 09 00		2.7 2.8 2.4	1.4 1.6 1.1 1.1	7200	Double shock
82	4	Ir	P S L Mn Me F	13 04 16 07 40 08 36 09 17 15 30 13 22 00		0.7	0.2	2100	
83	4	I	e Mn	15 57 15 59 28		1.0			
84	4	Iu	e(L) Mn Me	16 11 35 17 00 16 10		0.6	0.2		Phases lost in 80
85	6	I	e e(L) Mn Me	1 07 10 10 20 15 25 18 30		0.7	0.4		
86	6	I	e(S) eL Mn Me	8 25 20 28 00 31 35 35 00		0.6	0.9		Records indistinct

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ADELAIDE OBSERVATORY

SEPTEMBER 1926 Continued

Bulletin No.9

No.	Date	Char.	Phase	Time (Greenwich) H. M. S.	Recorded period of Waves N-S	A N	A E	Δ in kms.	Remarks
87	6	Ir	eP S L Me1 Mn1 Mn2 Me2 Mn3 Me3 Mn4	15 16 39 22 02 24 27 25 10 26 35 28 50 29 36 30 16 30 50 32 04				3500	
88	7	IIIr	iP iPR iS iSR1 iL Mn1 Mn2 Mn3 Mn4 F	12 29 10 30 00 34 05 35 26 36 29 41 50 42 21 42 58 43 40 14 20	14.8 about			3200	E-W record fogged
89	9	Ir	P iS L Me1 Mn1 Me2 Mn2	18 36 14? 40 55 42 45 43 15 44 09 44 22 44 42				3000	P obscured by micros
90	10	IIIr	iP iS L Mn2 Me1 Mn2 Me2 Mn3 Me3 Mn4 Me4	10 41 23? 46 50 49 30 53 10 53 25 54 25 55 30 55 30 56 55 57 00 59 00	21.0 17			3600	Record difficult times run together amplitudes approximate
91	11	IIIr	eP S L Mn1 Mn2 Me1 Me2	12 34 25 40 12 44 08 48 25 49 18 49 18 50 30	13.3			4100	
92	11	I	Mn	15 06 00					
93	12	I	Mn	13 33 25					
94	15	Iu	eS SR1 L Me Mn	11 41 37 45 17 48 19 48 45 50 58	10.5			5400	

SEISMOGRAPH REGISTER

ADELAIDE

OBSERVATORY

SEPTEMBER 1926 continued


Bulletin No. 9

No.	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves NpS	A _N	A _E	△ in kms.	Remarks
95	15	IIr	iS	12 07 02					
			iISR2	10 50					
			iL	12 36					
			Mn1	16 05		6.2			
			Me1	16 25			0.8		
			Mn2	16 30		5.8			
			Me2	17 00			0.8		
			Mn3	17 25		3.9			
Me3	17 40			0.7					
96	16	IIIr	iP	18 05 35				3100	
			iS	10 24					
			iL	12 20					
			Mn1	15 20		19.2			
			Me1	15 35			3.6		
			Mn2	16 50	15.4	68			
			Mn3	17 20		83			
			Me2	17 20					
			Mn4	18 50	15.1	50		11.4	
			Me3	19 20					
			Mn5	19 58		39		8.8	
			Me4	20 00					
			Mn6	21 00	11.6	47.2			
			F	20 30 00					
97	17	Ir	eP	1 52 00?				3500	
			S	57 11					
			e	58 48					
			L	2 00 00					
			Mn1	03 30		3.6			
			Me1	03 40			2.0		
			Mn2	04 55		5.2			
			Mn3	06 12		4.4			
98	17	Ir	P	2 59 10				4300	
			S	3 05 20					
			L	09 11					
			Mn1	11 35		3.4			
			Me1	11 50			1.9		
			Me2	12 30			2.0		
			Mn2	13 05		4.7			
			Mn3	14 26		4.8			
99	17	I	L	5 57 30					Phases obscured by micros
			Mn	6 00 02		1.2			
			Me	6 00 02			0.5		
100	28	Ir	P	16 06 35					
			iS	11 40					
			L	13 35					
			Mn	15 40		1.4			
			Me	16 00			0.9		

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ADELAIDE OBSERVATORY

SEPTEMBER 1926 Continued

Bulletin No.9

No.	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	A _N	A _E	 in kms.	Remarks
101	29	I	S L Me In	4 12 07 15 37 17 55 18 45		2.0	0.8		P. in air tremors
102	29	I	L In Me	5 42 33 45 55 47 25		0.8	0.6		Air tremors present. Ampli- tude small

Constants - Milne Shaw. Period 15.0 secs. Damping ratio 20:1

Milne- sensibility 1st-12th, .42; 15th-17th, .41;
28th and 29th, .40

Period 1st-4th, 16.7; 6th-17th, 16.8; 28th & 29th, 16.8

SEISMOGRAPH REGISTER
OBSERVATORY

ADELAIDE

Bulletin No. 10

OCTOBER 1926

No.	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A _N	A _E	△ in kms.	Remarks
103	1	II	S SRI L Me1 Mn1 Mn2 Me2	22 24 45 26 37 28 20 31 05 31 30 32 40 33 15	12.5	4.6 3.0	1.2 1.8	P in air tremors	
104	3	IIIR	iP i iPR iS iL Mn1 Mn2 Me1 Me2	19 42 50 43 02 43 20 47 19 48 30? 51 00 53 30	against stops	97 100		Records not clear amplitudes approx.	
105	7	I	L Mn	7 29 10 32 25		1.0		Air tremors present. masked by air tremors	
106	11	Iu	S SRI L Mn Me	0 23 25 25 15 29 00 33 20 37 50		1.5	0.7		
107	13	Iu	eS eL Mn Me	6 26 04 47 47 52 50 53 45		2.2	0.5		
108	13	I	eL Me	16 05 00 10 20			0.6	Preliminary phase lost in A.T's.	
light out on Milne-Shaw 13th 11 ^h 5 ^m to 14th 4 ^{hr} 48 ^m									
109	13	IIu	eS xi L Me1 Me2 Me3 Me4	19 30 50 32 50 58 00 20 09 10 12 45 14 45 16 53			1.1 1.3 2.0 1.8		
110	17	I	eS eL Mn Me	8 00 10? 02 55? 05 35 08 25		0.8	0.4		
111	18	I	eL Mn Me	6 30 58 15 58 15 40		1.2	0.4	Masked by air tremors.	
112	19	I	eL Mn Me	6 36 58 29 35 41 05		1.0	0.5		

SEISMOGRAPH REGISTER
ADELAIDE OBSERVATORY

OCTOBER 1926 Continued

Bulletin No.10

No	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	A _N	A _E	in kms.	Remarks
113	26	I	S L Me Mn	2 16 00? 18 02? 18 35 19 17		1.7	0.6		Micro tremor. Oct. 25, 8 ^h 41 ^m to 8 ^h 49 ^m .
114	26	IIIr	P i iS iL Me1 Me2 Me3 Me4 Me5 Me6	3 51 00 53 58 56 00 57 24 57 52 4 02 20) 04 00) 06 30) 09 20) 11 10	against stops		9.7	3100	N-S record faint. In-dis- tinguishable for large amplitudes
No N-S record Oct. 26th 6.03 to Oct. 27th, 4.57									
115	26	I	Me1 Me2	6 08 23 12 04			2.3 2.4		Phases lost in changing recd.
116	26	IIr	iS iL Me1 Me2 Me3 Me4	6 25 38 28 47 29 50 31 10 31 55 33 08			8.6 9.6 8.4 7.5		
117	26	IIr	eP eS L Me1 Me2 Me3	8 43 42? 49 16 51 27 53 25 54 30 55 22			2.9 3.8 3.8	3500?	
118	26	IIr	eS L Me1 Me2 Me3	14 28 20 32 12 34 05 35 18 39 40			4.5 3.9 3.9	4000?	P in micros
119	26	I	e e eL Me1 Me2 Me3	23 54 58 56 20 59 52 0 01 30 02 15 03 48			1.2 1.3 1.8		large micros on 27th, 1 ^h 13 ^m & 4 ^h 46 ^m
120	27	Ir	eP eS iL Mn1 Me1 Mn2	5 06 06 12 30 17 06 17 35 19 00 20 00		2.3 8.6	3.6	4600	
121	27	I	eS L Mn M'	9 34 55? 39 34 42 12 42 05		2.2	0.8		masked by micros
122	27	I	eL Mn	12 03 19 04 54		0.8			

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ADELAIDE

OBSERVATORY

OCTOBER 1926 Continued

Bulletin No. 10

No.	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A. N	A. E	Δ in kms	Remarks
123	27	I	L Me Mn	12 29 00? 31 20 32 20		0.5	0.3		
124	27	Ir	eP eS eL Mn Me	20 11 10 15 36 17 00 17 40 17 20		1.2	0.6	2750	
125	28	I	S L Mn1 Mn2 Mn1	1 14 46 17 40? 19 05 21 00 21 00		4.3	1.3 1.7		Phases masked by air tremors
126	29	I	L Me Mn1	0 21 33 22 25 25 24		1.9	0.9		Air tremors present

Constants - Milne Shaw-Period 15.0. Damping ratio 20:1

Milne- Sensibility- 1st-13th, .40; 17th-19th, .41; 26th-27th, .42; 28th-29th, .43.

Period- 1st-13th, 16.5; 17th-19th, 16.7; 26th-29th, 16.9.

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ADELAIDE OBSERVATORY

November 1926

Bulletin No. 11

No.	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms	Remarks
127	Nov 1	I	Mn1 Mn2	2 37 45 43 20		0.7 0.8			
128	2	Ir	P eS SR1 L Me1 Mn Me2	16 10 32 16 54? 19 50 22 05 22 36 25 04 27 55		2.5	1.3 1.2	4700	
129	5	Iu	eP PR1 S SR1 L Mn1 Me Mn2	8 14 46? 18 00 29 00 45 15 9 00 42 08 59 13 30 14 57		1.8 1.7	1.9	15300	
130	6	Ir	PR2 S L Me1 Mn Me2	9 27 15 31 20 34 25 37 45 38 07		3.2	1.4 1.5	3900?	
131	6	Ir	S L Mn1 Me1 Me2 Mn Me	10 04 50 09 21 12 24 12 07 14 28 27 35 28 05		3.0 3.2	1.3 0.9 1.2		Probably another E.Q.
132	7	Ir	iP PR1 iS iL Mn Me1 Me2	16 06 35 08 19 13 00 16 50 21 31 21 50 24 15		2.8	0.8 0.9	4100	
133	19	I	S L Mn Me	0 53 23 59 38 1 02 48 02 00		1.3	0.4		P.very small air tremors present
134	27	Iu	S L Me1 Me2	5 34 20 40 23 44 04 47 18			0.6 0.6		Air tremors strong on 21st & 23rd. Light spot failed on Milne Shaw on 27th

CONSTANTS Milne Shaw Period 14.5 Damping ratio 20:1
 Milne Sensibility 1st-7th, .45; 19th-26th, .47.
 Period 1st-7th, 16.9 secs.; 19th & 27th, 16.8 secs.

SEISMOGRAPH REGISTER

ADELAIDE

OBSERVATORY

DECEMBER 1928

BULLETIN NO.12

No.	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	in kms.	Remarks
135	2	Iu	P iS ESR2 eL Me Mn	8 22 04? 33 04 42 23 50 10 52 00 57 00		0.5	0.4	9800	
136	3	Ir	P S L Mn Me	22 53 46 57 40 58 46 23 00 44 03 03	15.0	2.2	1.0	2400	
137	3	Ir	P S L Mn1 Me1 Mn2 Me2 Mn3	23 49 37 52 42 53 14 54 27 54 42 55 12 55 30 55 58	14.0	1.3 1.8 1.9	0.8 0.9	1800	
138	14	Ir	eP eS L Mn1 Me1 Mn2 Me2 F	17 16 03 20 30 22 12 25 10 27 00 27 08 33 20 18 25 00		3.1 3.6	1.0 0.7	2800	Air tremors very strong on 5th. Probably two shocks
139	25	Iir	eP iS L Mn1 Me1 Me2 Me3	6 49 48 55 02 57 40 7 00 50 02 10 03 10 06 50		3.0	6.3 5.1 4.2	3500	Milne Shaw record faint.m's indistinguishable.

CONSTANTS.

Milne Shaw- Period 14.5 Damping ratio 20:1

Milne- Period 2nd & 3rd 16.7 secs; 14th & 25th 15.4 secs.
Sensibility- 2nd & 3rd, .45; 14th & 25th, .52.