

1398 coupled

**ADELAIDE OBSERVATORY,
SOUTH AUSTRALIA.**

SEISMOLOGICAL BULLETIN.

Prepared under the direction of
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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).
- PR₁, PR₂ = 1st and 2nd reflected waves of P.
- SR₁, SR₂ = 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.
- Δ = approximate distance from epicentre in km.
- E.Q. = earthquake.

SEISMOGRAPH REGISTER
ADELAIDE OBSERVATORY

JANUARY 1928

Bulletin No. 1

No	Date	Char	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
1	3	I	S L Mn Me F	23 08 40 13 23 18 10 19 40 23 32		0.9	0.5		
2	4	Iir	iP iS i iL Mn1 Mn2 Mn3 F	21 31 56 37 20 39 27 40 29 46 04 47 33 50 27 22 35 in micros	10.0	3.7 4.7 5.8		3600	No E-W record, drum stuck
3	6	Iu	iS eL Mn	20 01 10 17 15 30 50		1.3			P indistinguishable in micros. Times approx. no time breaks
4	7	I	eS eL Me Mn F	18 53 06? 56 42? 18 59 10 19 00 00 19 13		0.8	0.3		
5	10	Ir	eP eS eL Mn1 Mn2 Me F	5 18 12? 22 42 25 10 27 32 31 08 31 25 5 55		1.3 1.6	0.3	3000	
6	19	Ir	iS L Mn1 Me1 Mn2 Me2 F	23 02 45 05 50 08 48 10 25 10 24 13 45 24 04? in micros	12.5	2.2 1.7	0.6 0.8		
7	(26)	(Iu)	eP iS L Mn Me F	22 00 25 07 28 14 05 17 00 19 45 22 40		0.8	0.8	5400	

Constants. Milne-Shaw Period 12.1 seconds. Damping ratio 20 : 1.
Milne. Period 15.6. Sensibility 3rd-10th, .57; 19th-26th, .53.

SEISMOGRAPH REGISTER
ADELAIDE OBSERVATORY

Bulletin No. 2

FEBRUARY 1928

No	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
8	Feb 5	Iu	eP eS L Mn Me1 Me2 F	22 57 32? 23 02 00 04 30 06 00 12 30 16 10 23 37		0.7	1.8 1.0	2900	
9	6	Ir	iP eS i L Mn Me F	4 00 29 05 47 06 58 08 37 10 23 13 05 4 45	7.7	1.5	0.4	3600	
10	7	Iu	eP eBR1 iS eSR1 L Me1 Me2 Me3 F	0 11 00 13 24 19 08 23 13 27 04 33 35 34 25 34 35 1 30?	in micros		1.4 1.6 1.5	6200	No record N-S instrument.
11	13	I	eS L Mn	16 45 45? 46 43 49 12		1.2			Micros strong, phases hard to recognise
12	17	I	eS L Mn Me F	12 50 32 55 35? 57 15 13 00 20 13 20		0.8	0.9		
13	25	Ir	iP iPR1 iS iL Mn1 Mn2 Me F	11 04 20 04 50 08 48 09 47 09 58 10 30 10 30 11 31		4.3 3.8	4.5	2800	
14	29	Ir	iP iS L Me1 Me2 Mn1 Mn2 F	22 02 16 06 40 07 42 08 05 08 40 09 15 09 46 23 05	8.8	4.5 5.5	4.8 4.9	2600	

Constants Milne Shaw- Period 12.0 seconds. Damping ration 20 : 1.
Milne Period 15.3 sensibility .52

SEISMOLOGICAL BULLETIN

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OBSERVATORY

March 1938 Continued

Bulletin No. 3

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 22	Iiu	oP oS i ESR2 L o(L2) Mn1 Mc1 Mn2 Mc2 Mc3 Mc4 Mc5 F	4 39 13 49 53 58 05 5 00 03 07 10 13 35 23 45 24 55 28 40 31 15 32 50 44 10 46 05 7 40	20.0	2.4 1.4	1.0 0.9 1.1 1.2 1.1	9700	
24	23	I	o L Mn Mc F	20 17 05 19 39? 23 00 27 30 20 49		0.9	0.6		Small tremor on 24th. Max at 12 ^h 35 ^m 35 ^s
25	26	Ir	iP iS Mn Mc	5 33 37 39 17 51 55 53 05		1.4	0.6	3900	
26	26	I	o(S) Mn F	6 55 05 7 08 35 7 29		0.5			E.Q's 26-28 very small movements.
27	26	I	i Mn	8 19 12 35 20		0.3			
28	26	I	i Mn	10 00 33 17 00		0.3			
29	27	Ir	oP iS i(L) Mc1 Mn Mc2 F	14 45 50 ? 49 26 50 55 52 35 56 00 57 05 15 20		0.8	0.3 0.4		P.in micros
30	27	I	i Mn	19 35 28 40 15		0.3			versy small movement

SEISMOLOGICAL BULLETIN

ADELAIDE

OBSERVATORY

March 1928 Continued

Bulletin No.3

No	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
31	29	Ir	iP iS i L Mn Mc Mc F	5 16 04 24 21 25 25 31 35? 34 12 34 45 39 10 6 18		3.4 2.7 1.5	0.9 0.4 0.6		Max. not definite- later amp. small
32	29	I	e Mn	19 36 00 38 15		0.5			

Constants

Milne Shaw- Period Mar.9th-15th, 7.5 secs: Mar 15th-31st,
dropped from 12.0 secs. to 8.0 secs.
Damping ratio 20:1

Milne- Period 9th-23rd, 15.5 secs.:26th-29th, 15.3 secs.
Sensibility .52.

SEISMOGRAPH BULLETIN

ADELAIDE

OBSERVATORY

APRIL 1928

Bulletin No.4

No.	Date	Char.	Phase	Time	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
				(Green ⁿ) H. M. S.					
33	9	I	eL Mn	18 32 17? 39 00?		0.4			Slight tremor Apl.2
34	13	Ir	eP iS iL Mn F	18 52.5 approx 54 40 55 13 55 30 19 03	6.0	1.1	1300		1 22 ^h 37 ^m 10 ^s e 39 15 No record Apl. 5, 13 ^h to Apl7 0 ^a 59 ^m .
35	14	Iu	eP iS e eL Mn Mc F	9 20 38? 32 19 38 33 53 25? 10 15 35 18 30 11 14	19.6	0.5	11000 0.25		small move- ment, phases uncertain
36	18	Iu	i e Mn F	19 45 15 20 01 15 20 43 25 21 27		0.3			

Constants

Milne Shaw- Period 12.0 seconds.
Damping ratio 20 : 1.

Milne- Period 16.4 seconds
Sensibility .55.


SEISMOGRAPH BULLETIN

ADELAIDE

OBSERVATORY

MAY 1928

Bulletin No. 5

No.	Date	Char	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	 in kms.	Remarks	
37	14	I	iP Mn	2 55 35 3 04 45		1.6			Continuous record of Waves of approx. 30 secs period. amp. 0.4mm from May 11, 7h 18 ^m to 12h 30 ^m . Other phases of E.Q. 37 lost in changing record.	
38	14	IIIu	iP iS i i iL Mn1 Mn2 Mc1 Mn3 Mc2 Mc3 Mc4 Mc5 F	22 35 48 47 54 53 00 56 59 23 07 45 17 45 20 45 22 30 21 40 25 55 29 10 32 10 36 25 1 07	18.0 18.5 18.5	6.3 10.4 10.0	3.4 2.6 3.3 4.2 2.4	11600		
39	15	I	eL Mn F	3 35 32 42 10 3 55		0.5				
40	15	I	e Mn F	6 32 37 36 00 6 54		0.5				
41	22	Ir	eP i eS eL Mn Mc F	13 33 38? 35 39 38 58 41 35? 42 20 43 00? 13 52		0.5	0.2	3550		
42	23	I	e eL Mn Mc F	21 04 45 10 25? 16 00 14 10 21 29		0.4	0.2			
43	27	I	eL Mn Mc F	6 06 20 10 25 13 20 6 29		0.3	0.2			
44	27	IIu	eP iS iSR2 iSR3 iL Mc1 Mc2 Mn1 Mn2 F i	10.02 04 11 35 19 42 21 28 24 44 27 20 29 00 31 30 34 00 12 40 10 16 12	22.0 22.0	2.8 3.2	0.8 0.7	8200		E-W Component (Milne) rather irregular recd. Largest movement 10h23 ^m 20 ^s . , 9.9mm.

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ADELAIDE

OBSERVATORY

MAY 1928 Continued

Bulletin No.5

No.	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
45	May 28	Ir	eP	6 50 15?				3700?	P very small amplitude
			iS	55 34					
			iL	58 43					
			Mn1	7 01 45	19.1	2.1			
			Mn2	03 35	15.0	1.9			
			Mn3	04 35	14.5	2.2			
			Me2	10 15			1.3		
			Me1	08 00			0.8		
			Me3	12 00			1.1		
			F	7 46 in micros					
46	31	Ir	eS	17 40 45?					Phases masked by micros
			eL	42 36?					
			Mn	44 10		0.6			
			Me	44 30			0.2 5		
			F	17 55					
47	31	Ir	iS	23 39 12					P.in micros
			eL	43 22					
			Mn	48 00		1.3			
			Me1	51 05			0.8		
			Me2	54 20			0.7		
			Me3	24 00 40			1.3		
			F	24 40 in micros.					

Constants

Milne-Shaw Period 12.3 seconds
Bamping ratio 20 : 1

Milne- Period 15.4 seconds
Sensitivity- .60.

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JUNE 1928

ADELAIDE

OBSERVATORY

Bulletin No.6

No.	Date	Char.	Phase	Time (Greenwich) H. M. S.	Recorded period of Waves N-S.	A _N	A _E	△ in kms.	Remarks
	June								
48	3	I	i(S) eL Mn Me1 Me2	3 02 31 08 43 12 15 12 30 13 25	12.0	1.2	0.9 0.8		P & S in micros
49	8	Ir	es iSR1 eL Mn Me1 Me2	14 57 50 59 58 15 01 26 04 25 09 10 12 00	15.0	1.2	0.8 1.0	3900?	P & F in micros
50	15	IIu	iP iPR1 iS i L Mn1 Me1 Mn2 Me2 Me3 F	6 21 35 23 24 28 49 31 07 35 28 39 45 41 40 42 55 42 45 44 35 8 03		3.7 3.8	2.6 2.4 1.9	5550	
51	15	Iu	eP iS i iSR1 iSR2 iL Me1 Mn Me2 F	17 25 11 32 38 35 40 36 40 37 42 39 09 45 00 46 30 49 20 18 24		1.5	1.2 0.9	5700	
52	16	Ir	oP iS iL Me Mn F	18 32 44 37 34 39 51 44 10 44 40 19 09		1.3	0.7	3150	
53	17	IIIu	e(P) iS i(SR1) i iL Mn1 Me1 Mn2 Mn3 Me2 Mn4 Mn5 Mn6 Me3 Me4 Me5 F	3 28 12? 42 43 51 25 57 47 4 12 03 24 55 28 25 29 20 30 40 35 15 35 30 37 25 39 45 39 50 41 30 48 50 in No.54	19.8 18.8 17.6 18.6 14.8 14.0	7.4 5.0 5.2 5.6 6.4 5.6	4.4 5.7 8.6 6.9 5.3		recd. changed at 3.29- P. may be missed E.Q. preceded by micros

SEISMOLOGICAL BULLETIN

ADELAIDE

OBSERVATORY

JUNE 1928 continued

Bulletin No. 6

No	Date	Char.	Phase	Time ^h (Green) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
54	17	Ir	eP iS Mn Mc	6 48 37 53 42 57 37 58 15		1.7	0.7	3300	
55	21	Ir	eP cS iL Mn Mc F	3 51 35? 57 38 4 03 36 05 30 07 40 4 43		0.9	0.7	4900	P. indistinct
56	21	IIIr	eP iPR iS iSR2 L Mn1 Mc1 Mn2 Mc2 Mn3 Mc4 Mn4 F	10 48 00 49 54 54 13 57 39 59 20 11 02 40 04 3 50 04 25 06 55 10 00 10 45 13 25 13 35 12 55	15.6	14.1	2.9	4550	
57	21	I	cS L Mn Mc F	16 56 20 17 21 28 30 10 31.5 19 00	20.0	1.0	0.4		Phases uncertain No definite Me
58	29	Iir	iP iPR2 iS iSR2 iSR1 iL Mn1 Mc1 Mn2 Mn3 Mc2 Mn4 Mn5 Mc3 Mn6 Mc4 F	22 56 31 57 43 23 01 51 04 16? 03 43? 04 45 06 15 09 35 10 50 11 45 12 50 13 30 13 45 14 45 1 10	16.7	18.9	3.6	3600	

36 Constants Milne-Shaw

Period 12.0 seconds. Damping ratio 20 : 1
 Milne- Period 15.5 seconds.
 Sensibility 1st-17th, .52: 21st-29th, .48.


SEISMOLOGICAL BULLETIN

ADLAIDE

OBSERVATORY

JULY 1928 Continued

Bulletin No. 7

No	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	AN	AE	 in kms.	Remarks
66	23	Ir	1L	7 52 12	14.0	3.7	2.7	2780	
			1P	7 46 13					
			1S	50 37					
			SR2	51 55					
			1Mn)	53 33					
			1Ie)						
			Mn2	54 45					
			Mn3	55 27					
			Mc2	55 35					
			Mn4	56 04					
Mc3	56 50	12.5	3.1	2.7					
F	8 33				1.8				
67	28	I	P	12 22 05?	8.0	0.4	0.3		Milne Shaw drum stuck from 12 ^h 24 ^m to 12 ^h 38 ^m
			1S	27 17					
			L	32 18					
			Mc1	34 10					
			Mc2	37 10					
			F	12 58					
68	28	I	1S	0 12 243	8.0	0.4	0.3		
			1L	13 22					
			Mc	13 35					
			Mn	14 40					
			F	0 28					

Constants. Milne Shaw- Period 11.0 seconds
Damping ratio 20 : 1.

Milne- Period 15.5 seconds
Sensibility .48.

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

AUGUST 1928

Bulletin No. 8

No	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	A _N	A _E	Δ in kms.	Remarks
69	4	Iu	i e(S) i(SR) L Mn1 Me1 Mn2 Me2 Me3 F	18 43 49 57 08 19 04 10? 20 15 21 40 24 10 25 25 27 10 30 05 21 10	20.6 19.6	1.4 0.7	1.2 1.4 1.9		
70	12	I	i iS iSR1 L Me1 Me2 F	8 17 08 21 20 24 00 27 03 28 25 29 45 9 26			1.2 0.9		Milne-Shaw off paper from 4 ^h 40 ^m to 11 ^h 18 ^m
71	24	Ir	iP iPR1 i iS L Me1 Mn1 Mn2 Mn3 Me2 F	21 49 54 50 37 51 07 54 58 57 28 58 05 59 00 59 30 22 00 05 01 02 22 55	6.0 8.5 6.0	4.2 3.5 6.7 4.2	0.9 1.5 2.1	3350	
72	24	I	i eL Mn Me F	23 29 36 35 05? 37 50 38 25 23 57		0.6	0.7		masked by micros
73	26	Ir	eP iS iL Mn Me1 Me2 F	4 15 04 19 53 21 58 25 25 26 25 29 15 4 38	15.0	1.2	0.4 0.5	3400	
74	28	I	e(L) Mn Me	8 40 42? 42 40 indefinite		1.1	0.4		Phases masked by strong micros & air tremors

Constants MilneShaw. Period 7th, 8.5 secs. ; 11th-13th, 7.0 secs.
Damping ratio 20 : 1
Milne Period 15.7 seconds.
Sensibility 0.50.

ADELAIDE OBSERVATORY
SEISMOLOGICAL BULLETIN

SEPTEMBER 1928

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
75	Sept 7	Ir	iP	2 55 22	20.0	4.7	1.8	3100	Small move- ment Sept. 12 6 ⁿ 50 ^m 7 ⁿ 14 ^m
			iPR1	56 00					
			iS	3 00 11					
			i	01 40					
			iL	02 21					
			Mn	08 55					
			Me1	09 10					
			Me2	11 10					
			F	3 33					
76	11	I	i(S)	0 50 29	0.6				Micros present
77	12	Ir	e	1 28 37	8.2	1.0	0.7		Micros strong
			iS	31 14					
			i	33 30					
			L	34 19					
			Me	34 40					
			Mn	36 45					
78	13	Ir	iP	3 33 46					N-S max. lost- drum stuck
			iS	39 38					
			L	43 10?					
			Me1	48 00					
			Me2	52 55					
			F	4 30					

Constants Milne Shaw Period Aug.4th, 9.0 secs; 12th, 12.0 secs.;
24th-28th, 9.5 secs.;
Damping ratio 20 : 1
Milne Period Aug.4th, 15.5 secs; 12th-28th, 15.7 secs.
Sensibility 0.49

Errata The constants shown on September Bulletin are for August 1928
and those shown on August Bulletin are for September 1928.

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN.

OCTOBER 1928

Bulletin No. 10

No.	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
79	9	Iiu	eP i iS i iSR1 i iL Mn1 Mn2 Me1 Mn3 Me2 Mn4 Me3 Me4 Me5 Me6 Me7 F	3 20 48 23 30 34 10 39 21 43 08 55 10 4 00 23 06 00 07 15 08 00 09 35 09 55 12 05 12 20 14 05 18 00 21 00 23 30 5 42	18.0 17.0 15.0 17.0	3.9 4.4 2.3 2.9	2.0 2.7 3.1 2.8 2.3 4.1 4.1	13500	
80	9	I	i Mn F	14 50 45 54 25 15 17		0.4			Times approx. - no time marks.
81	13	Ir	eP iS e(L) Me	15 26 00 32 32 37 10 43 45			0.4	4800	No Milne Shaw rec. Oct. 13 1 ⁿ 54 ^m to Oct. 14 0 ⁿ 59 ^m
82	15	Ir	eP iS iL Mn1 (Mn2) (Me1) Mn3 Me2 F	8 34 38 38 56 40 26 46 40 47 35 48 10 50 10 9 36	12.5 10.0	1.5 1.7 1.7	1.9 1.2	2700	
83	15	I	i(S) i L Me Me Mn F	14 43 25 43 52 15 06 31 14 40 14 40 16 50 15 40?	20.0	0.6 0.6	0.6		in micros.
84	17	I	i i eL Me Mn F	15 39 27 56 51 16 02 50? 12 30 18 30 16 36	20.0	0.2	0.2		

ADELAIDE OBSERVATORY

SEISMOLOGICAL

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OCTOBER 1928 continued

Bulletin No. 10

No	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
85	Oct. 19	Ir	eP iS iL Mn Me F	7 05 50? 10 55 13 41 16 45 17.3 in micros	13.3	0.8	0.2	3400	micros precode
86	19	Ir	S i(SR1) i(SR2) i iL Me1 Mn1 Mn2 Me2 Mn3 Me3 Me4 F	10 30 15? 33 52 34 22 35 16 36 05 40 25 41 10 43 45 44 00 44 40 47 30 50 30 12 21	13.0 13.6 12.5	3.1 2.7 2.6	1.5 1.5 2.7 2.7 2.2		Looks like several shocks
87	21	Ir	eS iL Me Mn F	16 28 05 32 20 34 45 37 10 17 10	7.5	2.8	1.8	4400?	P. hidden in micros
88	25	I	i(S)? eL Mn	13 40 25 49 50 55 10	18.0	0.3			

Constants Milne Shaw Period 9th, 17.0 secs; 13th, 18.8 secs; 15th, 19.7 secs; 17th, 20.6 secs; 19th, 21.5 secs; 21st, 22.4 secs; 25th, 12.5 secs.
Damping ratio 20 : 1

Milne. Period 15.7 seconds.
Sensibility 0.50

N.B. Milne Shaw period changed considerably in Sept. & October. Adjusted on September 19th & October 22nd.


ADLAIDE OBSERVATORY

SEISMOLOGICAL

BULLETIN

NOVEMBER 1928.

Bulletin No. 11

No	Date	Char.	Phase	Time (Green ^m) H. M. S.	Recorded period of Waves N-S	A _N	A _E	 in kms.	Remarks
89	Nov 5	I	i e Mn Ms F	14 20 29 24 00 26 23 28 10? 14 35	11.5	0.3	0.2		
90	6	Iir	iP i iS i iL Mn1 Mn2 Mn3 Mn4 F	4 11 17 12 36 16 24 17 14 18 40 21 30 23 20 24 20 25 25 6 00	13.0 12.0 10.9	6.3 6.8 16.0 13.0		3350	Milne record faint. cannot see M's.
91	10	Ir	iS iSR2 iL Mn1 Mn2 Me F	12 38 28 41 00 41 32 44 50 46 55 47 15 13 42	12.0 11.0	1.0 1.7	1.2	3500	P. in micros
92	15	I	i eL Mn M F	7 56 45 59 50 8 01 35 XXXXX 8 12		0.3			Small movement Nov. 15. beginning lost changing paper at 2055m. F- 3 ^h 15 ^m
93	17	I	eL Ms Mn F	10 36 27 37 40 38 50 10 46	12.0	0.3	0.2		
94	18	Ir	iP iS L Mn F	6 01 08 04 39 05 24 05 15 in micros	10.0	0.4		2100	Milne movement very slight.
95	19	I	e L Mn	15 42 05 44 05? 45 25	13.0	0.7			Irregular movement from 9 ^h 35 ^m to 21 ^h 30 ^m masked phases
96	20	Iu	iP i i eS i i(L) Mn F	20 55 05 21 00 232 01 50 04 10 11 08 18 40 21 10 23 05	24.0	0.8			Milne movement small

ADLAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

NOVEMBER 1928 continued

Bulletin No 11

No.	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
97	Nov 22	Iu	S i iSR1 i i eL Mn Me F	8 54 00 54 13 59 15 9 01 35 03 04 04 55? 12 40 23 30 10 30	26.0	1.0	0.5	7300?	P masked by micros
98	23	I	i eL Me Mn F	8 23 48 31 00 35 25 37 20 8 47		0.3	0.2		
99	25	1	i e Mn Me F	20 43 20 51 22 56 10 58 05 21 08	16.6	0.3	0.3		
100	28	Iir	iP iS iSR1 iL Mn1 Me1 Me2 Mn2 Me3 Mn3 Me4 F	10 49 38 54 24 55 35 56 13 57 30 58 25 11 02 15 11 03 05 04 10 05 35 07 10 12 55	17.0 17.0	14.8 14.8	2.4 3.9 9.3 6.3	3050	
101	29	I	i(S) e(L) Mn Me F	14 09 27 14 50 19 55 26 10 14 42	10.0	0.4	0.3		
102	29	I	e i iL Mn Me F	15 58 42 16 00 38 02 14 06 45 09 15 16 57	13.0	0.9	2.3		
103	29	Iir							

ADLAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

NOVEMBER 1928 Continued

Bulletin No 11

No	Date	Char.	Phase	Time (Green ⁿ) H. M. S.	Recorded period of Waves N-S	A _N	A _E	Remarks
								in kms.
103	Nov 29	Ilu	eS	18 09 24				
			iSR2	13 25				
			iL	16 07				
			Me1	19 10			1.8	
			Mn1	20 30	16.5	2.0		
			Me2	21 40			2.0	
			Mn2	23 45	15.0	3.7		
			Me3	24 45			7.4	
			Mn3	24 25	13.0	3.3		
			Me4	26 15			7.0	
			Mn4	26 35	14.0	3.5		
			Me5	28 15			3.6	
			F	19 50				
104	29	I	e	23 00 05				
			eL	05 55				
			Mn	07 30		0.2		
			Me	09 20 0			0.2	
			i	23 12				looks like two E.Q's.
			L	25 32				
			Mn	30 45	16.0	0.6		
			Mn	33 55	13.0	0.8		
			Me	35 05			2.0	
	30		F	00 21				

Constants. Milne Shaw Period 1st-6th, 12.0 secs; 10th, 11.5 secs; 15th-20th, 11.0 secs; 22nd-30th, 12.0 secs. Damping ratio 20 : 1

Milne Period 16.0 seconds Sensibility 0.55

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

DECEMBER 1928

Bulletin No. 12

No	Date	Char.	Phase	Time (Green ^h) H. M. S.	Recorded period of Waves N-S	A _N	A _E	△ in kms.	Remarks
105	1	IIIu	eS i iSR1 i iL Me1 Mn1 Me2 Mn2 Mn3 Me3 Me4 Me5 Mn4 Mn5 F	4 30 52 24 10 39 50 31 04 50 15 55 34 5 00 30 01 00 02 15 02 27 04 40 05 00 10 25 12 10 13 42 19 10 7 30	17.2 19.0 17.2 20.0 15.5	4.8 4.4 3.2 4.5 4.5	1.8 1.7 2.4 4.2 3.0		P. in micros
106	2	Iu	iPR iS i(SR) i L Mn1 Mn2 Mn3 Mn3 Me F	4 39 16 45 04 54 25 5 02 45 04 10 12 00 15 10 18 25 18 25 23 00 7 16	23.0 18.0 17.0	1.2 1.5 1.7	2.2	10600	P in micros
107	7	Iir	iP i i iS i iL Mn1 Mn2 Mn3 F	9 20 20 20 49 21 33 25 20 25 37 27 30 31 50 33 45 36 15 10 47	16.0 15.0	8.0 16.6 16.2		3250	No Milne record Dec.7th 4 ^h 53 ^m to Dec.11th 2 ^h 42 ^m
108	8	I	e(L) Mn F	11 00 10 01 50 11 12		0.2			very small movement

