ADELAIDE OBSERVATORY

Seismological Bulletin No.1 JANUARY 1929

No	Date Jan	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
1	1	Ir	iP	11 42 53				1200	Reported felt in Birdsville district, near Queensland, 1000 kms. from Adelaide.
			iL	45 11					
			Mn	45 37		1.4			
			F	11 54					
2	11	I	eL	13 56 05					
			Mn	57 00		0.35			
3	13	Iy	iP	0 15 47				8850	Vibrations of very short period.
			iS	25 50					
			iSR1	31 50					
			L	40 30.					
			Me1	45 20			0.8		
			Mn1	45 30		2.0			
			Me2	49 20			1.3		
			Mn2	50 00	13.0	2.0			
			Me3	51 20			1.2		
			Me4	54 25			1.3		
			F	3 05					
4	16	Iu	eP	8 15 33				5400	
			iS	22 58					Movement of Milne instrument very small in E.Q's 4-7, no definite max. Phases indistinguishable in micros.
			L	28 55					
			Mn	37 50	10.0	0.7			
			F	8 58					
5	17	I	e?	12 34 05?					
			L	55 45?					
			Mn1	13 02 40	20.0	1.0			
			F	14 07					
6	17	Iu	eS	22 43 40					
			L	53 54					
			Mn	23 00 10	12.0	1.1			
			F	23 25					
7	20	I	e(S)	12 28 07					
			e(L)	38 15?					
			Mn	44 30		0.3			
8	20	Ir	iP	15 01 32				3700	
			i	01 57					
			iS	07 07		2.3			
			i	07 55					
			iL	09 46					
			Me1	10 50			0.5		
			Mn	11 30	9.0	1.3			
			Me2	18 20			1.0		
			F	15 50					
9	21	IIr	iP	4 59 25				1820	
			iS	5 02 34					
			iL	03 05					
			Me1	03 20			5.0		
			Mn1	03 55	9.0	7.3			
			Me2	04 35			3.2		
			Mn2	04 55	7.5	7.5			
			Mn3	05 15	7.5	7.5			
			Mn4	06 10	7.5	6.5			
			Mn5	07 15	7.5	6.3			
			F	6 30					

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN JANUARY 1929 Continued

Bulletin No. 1

No.	Date Jan	Char.	Phase (	Time (Green^h) H. M. S.	Recorded period of Waves M-S	A N	A E	△ in kms.	Remarks
10	21	Iu	e(L)	11 25 30?					
			Mn	35 30	20.0	0.4			
11	24	Iu	e	20 49 45?					Phases indistinct
			e(S)	59 25					
			Mn1	21 47 10		1.0			
			Mn2	51 30	14.0	1.0			
			Me1	57 20			1.3		
			Me2	22 04 15			2.3		
			F	23 20					
12	25	I	iS	2 12 53					P indis-tinguish-able in micros
			iL	15 55					
			Mn	17.20	9.5	2.9			
			Me	19 00			0.6		
			F	2 55? in	micros				

CONSTANTS.

Milne-Shaw – Period Jan 1st, $12^S.8$; 11th-17th, $11^S,0$
20th-25th, $10^S.0$
Damping ratio 20 : 1

Milne Period $15^S.6$
Sensibility 0.53

ADELAIDE OBSERVATORY
SEISMOLOGICAL BULLETIN

FEBRUARY 1929 Bulletin No. 2

No	Date Feb.	Char	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
13	1	Iu	eP	17 28 18					No definite max. Small movement
			eS	37 39					
			F	18 20					
14	2	Iu	eS	0 23 28					
			eL	37 20					
			Me1	44 00			0.4		
			Mn1	46 05	11.0	0.7			
			Mn2	1 29 10	15.0	0.8			
			Mn3	34 30	21.0	1.0			
			Me2	35 10			2.3		
			Me3	37 30			1.7		
			Me4	48 00			1.5		
			F	2 40					
15	2	Ir	eP	14 48 36				4900?	
			i	53 48					
			e(S)	54 36					
			L	15 00 32					
			Mn	05 05		0.5			
			F	15 30					
16	9	Ir	eP	6 31 50?					Milne-Shaw out of order Feb, 9th $1^h 55^m$ to Feb. 10th $5^h 45^m$
			eS	37 03					
			Me	39 25			0.3		
17	15	I	L	5 54 30					
			Mn	58 25		0.6			
			Me1	58 30			0.3		
			~~Me2~~	~~xx xx~~					
			Me2	6 06 00			0.3		
			F	6 30					
18	15	I	e	9 10 10					
			Me	15 30			0.25		
			Mn	18 00		0.3			
			F	9 35					
19	15	I	eP	12 43 45?				1500	P in micros
			eS	46 18					
			iL	46 30					
			Me	46 40			0.9		
			Mn	47 20		0.4			
			F	13 05					
20	16	I	eS	19 50 38					Phases in Micros. Milne-Shaw rcd. unreadable, lines run together
			eL	52 44					
			Me	58 30					
21	20	I	e	21 14 08					
			i	17 23					
			i	18 55					
			iL	20 55					
			Mn	23 25	16.0	1.5			
			Me	27 35			0.2		
			F	21 58					

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN FEBRUARY 1929 Continued

Bulletin No 2

No	Date Feb.	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
22	22	Iu	eP	21 03 20?				15000?	Micros present
			eS	17 05?					
			L	49 30					
			Mn1	22 05 05	24.0	1.2			
			Mn2	08 55	22.0	1.3			
			Me1	10 40			0.8		
			Mn3	16 10	18.0	1.2			
			Me2	32 20			0.5		
			F	23 18					
23	24	I	eL	22 10 20					
			Mn	13 10		0.3			
			F	22 38					
24	26	Ir	eP	3 38 48?					
			S	3 43 12					
			L	45 36					
			Mn	47 50	13.5	1.2			
			F	4 10					
25	26	Iu	eS	9 24 51					
			lSR	33 42					
			eL	44 03?					
			Mn	57 00	21.0	0.7			
			F	10 27					
26	27	I	L	6 26 03					
			Mn	27 40	12.3	0.4			Phases in micros
27	28	I	e	0 32 17					
			Mn	35 20	18.0	0.4			
			F	1 00					

CONSTANTS

Milne-Shaw – Period 1st & 2nd, $8^s.5$; 9th-28th, $16^s.0$
Damping ratio 20:1

Milne Period 1st-9th, $15^s.5$; 15th-28th, $19^s.5$
Sensibility, 1st &2nd, 0,50 ; 9th, 0.54; 15th-28th, 0.33

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

MARCH 1929 — Bulletin No.3

No.	Date Mar.	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
28	7	IIIu	eP	1 48 07				10000	
			e	50 40					
			iPR1	52 07					
			i	55 26					
			iS	58 46					
			i	2 01 00					
			i	06 15					
			iL	16 33					
			Me1	22 25			6.5		
			Mn1	24 15	17.5	11.6			
			Me2	26 25			4.1		
			Mn2	28 10	20.0	14.5			
			Me3	29 00			8.3		
			Me4	31 20			6.0		
			Me5	35 25			6.5		
			Mn3	33 05	20.0	10.0			
			Mn4	38 55	17.0	11.5			
			Me6	40 00			6.3		
			Mn5	40 30	18.2	11.2			
			Me7	41 35			6.3		
			Mn6	44 05	18.5	11.7			
			F	5 40					
29	7	I	e(S)	11 27 16					
			L	30 00?					
			Mn	31 25	13.0	0.5			
			Me	38 20			0.2		
			F	12 00?					
30	9	I	e(S)?	2 29 47					part rcd. lost in changing paper
			eL	33 12					
			F	3 15					
31	9	IIr	eP	10 56 41				3100	E-W instrument out of order Mar.8 7^h30^m to Mar 13th, 6^h44^m
			i	59 28					
			iS	11 01 32					
			i	02 30					
			iSR2	03 03					
			iL	03 24					
			Mn1	04 10	17.0	11.6			
			Mn2	05 10	13.0	15.5			
			Mn3	06 10	16.9	17.9			
			Mn4	07 25	15.0	16.8			
			Mn5	08 05	14.3	14.2			
			F	13 33					
32	10	Ir	e(S)	2 04 42					Very small movement
			e(SR1)	05 35					
			L	08 15					
			Mn	08 30	19.0	0.3			
			F	2 25					
33	10	Iu	iP	14 48 55		0.3		5600	
			iS	51 07		0.5			
			L	58 24					
			Mn	15 07 15	11.5	0.3			
34	16	Ir	eP	6 06 05				3600	
			iS	11 27					
			iL	14 20					
			Me	15 30			0.2		
			Mn1	15 45	10.0	2.3			
			Mn2	18 30	15.5	1.2			
			F	6 47					

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

MARCH 1929 Continued — Bulletin No. 3

No.	Date Mar	Char.	Phase	Time (Greenn) M. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
35	18	Ir	eP	1 50 25?				3100	N-S instrument out of order Mar. 17th, 5h to 22nd, 6h49m
			eS	55 10					
			L	57 35					
			Me	2 02 35			0.6		
			F	2 35					
36	19	I	e(P)?	21 46 50					
			e	49 25					Tremors precede
			e(S)	54 20					
			Me	22 04 55			1.2		
37	20	Ir	e(P)	21 11 46?				4200?	
			eS	17 42					
			eL	21 30					
			Me	27 30			0.3		
38	22	I	eL	7 25 24					
			Mn	31 00	15.0	0.3			Small movement
			F	7 40					
39	23	Ir	iS	20 12 04					E-W rcd. very faint 2 day clock on N-S. Difficult rcd., lines run together
			iL	20 26					
			Mn	23 10	(approx) 20.0	2.6			
			Me	23 10			1.0		
40	24	Ir	eP	5 43 50?					
			S	47 20?					
			L	49 10					
			Mn	51 10	14.0 (approx)	2.5			
			Me	53 30			0.4		
41	26	I	e	10 33 30					
			eL	44 37					
			Me	48 35			0.3		
			Mn	52 40	15.0	1.0			
			F	11 12					
42	28	I	eP	21 00 20					Air tremors very strong
			eS	05 10					
			L	07 46					
			Mn1	09 30	20.0	2.3			
			Me	09 40			0.3		
			Mn2	10 50	17.5	1.8			
43	30	I	e	14 53 07					
			eL	57 18					
			Mn	15 02 00	9.0	0.3			
			F	15 15					
44	31	Ir	e(P2)	5 31 25				4500	Small tremor max. phase at 10h24m 45s.
			iS1	35 18					
			iS2	37 41					
			iL1	40 52					
			iL2	42 12					
			Mn1	43 20	13.5	2.3			
			Me1	43 20			2.0		
			Me2	45 00			1.2		
			Mn2	45 55	12.5	5.1			
			Mn3	46 35	12.0	4.5			
			Mn4	47 05	11.0	4.5			
			F	6 50					

Constants. Milne-Shaw – Period 16.0 Secs. Damping ratio 20:1
Milne – Period 19.1 secs. Sensibility 0.33

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN

APRIL 1929

Bulletin No. 4

No.	Date Apl.	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A_N	A_E	△ in kms.	Remarks
45	1	I	e?	5 33 33					small movement
			e	40 15					
			Me	41 25			0.4		
			Mn	44 40	13.5	0.7			
		very small movement Apl.8th 6^h59^m to 7^h 19^m.							
46	8	Ir	iP	10 24 19				4200	
			ePR2	26 03					
			iS	30 15?					
			iSR2	33 12					in hour break
			iSR3	33 30					
			eL	34 15					
			Mel	40 10			0.3		
			Mn	41 50	13.5	1.2			
			Me2	45 10			0.4		
			F	11 15					
47	8	I	e	18 02 17					
			eL	04 15					
			Mn	06 25	18.0	1.0			
			Me	07 00			0.5		
			F	18 19					
		Very small movement Apl.9th $4^h2\text{X}4^m$ to 4^h50^m							
48	13	I	i	7 00 10					
			i(S)	07 08					
			e	13 00					
			Mn	33 10	18.5	1.9			
			Me	34 40			0.4		
			F	8 12					
49	13	Ir	iP	9 25 03				3400?	
			eS	30 32					
			i	31 15					
			iL	32 28					
			Mn	33 25	12.0	2.6			
			Me	35 00			0.4		
			F	10 20?					
		Small movement 13^h 05^m to 13^h 10^m							
50	14	I	e	19 38 50					
			Me	44 10			0.3		
			Mn	X44 30		0.2			
51	15	I	e	0 59 39					
			e	1 05 38					
			Mn	08 10	10.0	0.2			
			F	1 50					
52	15	I	e	16 27 15					
			eS	31 17					
			eL	33 28					
			Mn	34 35	13.0	1.1 X			
			Me	35 35			0.2		
			F	17 05					

SEISMOLOGICAL BULLETIN.

ADELAIDE OBSERVATORY

APRIL 1939 Continued — Bulletin No.4

No.	Date Apl.	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A_N	A_E	△ in kms.	Remarks
53	27	Iu	eP	21 07 55?				5450	Air tremors very strong on 19th.
			eS	15 00					
			L	21 36					
			Mel	22 15			0.7		
			Mn1	25 15	12.0	2.9			
			Me2	25 05			0.5		
			Mn2	26 45	12.0	2.7			
			Mn3	27 15	12.0	2.8			
			F	22 20?					
54	28	Ir	eP	14 39 54?				4500?	Phases very small movements, micros present.
			eS	46 08?					
			iL	50 19					
			Me	51 20			0.8		
			Mn	53 35	12.0	2.7			
			F	15 30					
55	30	I	e	12 40 30					
			e(L)	46 05					
			Mn	52 05?	16.0	0.2			
			F	12 58					

CONSTANTS.

Milne-Shaw Period 16.2 seconds. Damping Ratio 20 : 1.
Milne- Period, 1st-15th, 19.1 secs; 27th-30th, 19.4 secs.
Sensibility- 1st-15th, .34; 27th-30th, .38

ADELAIDE OBSERVATORY
SEISMOLOGICAL BULLETIN MAY 1929

Bulletin No.5

No.	Date May	Char.	Phase	Time (Greenh) h. m. s.	Recorded period of Waves N-S		A N	A E	Δ in kms.	Remarks
56	1	IIu	e	15 55 22						
			eS	16 02 10						
			iSR1	08 56						
			L	21 00						
			Mn1	26 30	38.0	6.8				
			Mn2	30 45	28.0	7.3				
			Mn3	34 20	25.0	8.3				
			Me1	35 20				2.2		
			Mn4	35 35	24.0	6.8				
			Me2	39 55				4.8		
			Me3	42 00				6.2		
			Mn5	42 35	18.0	6.3				
			Mn6	43 20	20.0	6.5				
			Me4	46 00				2.5		
			F	17 40						
57	2	I	i	15 03 33						
			eP	05 21						
			iS	06 44						
			L	07 08?						
			Me	07 10				0.2		Very short period vibrations.
			Mn	07 50		0.5				
			F	15 12						
58	6	Ir	eP	5 13 50?					4200	
			eS	19 48						
			L	23 46						
			Mn1	25 20		5.3				
			Me1	25 50				2.2		
			Mn2	26 40	10.0	5.0				
			Me2	26 50				2.1		
			Me3	27 55				2.1		
			Me4	29 00				2.9		
			Mn3	29 15	14.0	7.3				
59	7	IIr	eP	16 41 49						
			iS	46 51					3300	strong micros precede
			iL	49 18						
			Me1	53 00			4.6			
			Me2	55 05			4.2			
			Mn1	55 35	10.0	61.3				
			Mn2	57 15	9.0	10.8				
			F	18 03						
60	8	I	e	13 09 20						
			Mn	13 40	15.0	0.2				
			Me	16 00			0.3			
			F	13 42						
61	10	I	i	17 27 14						
			iS	30 23						Phases masked by micros.
			L	31 30						
			Mn	32 50	10.0	1.3				
			Me	34 10			0.2			
			F	18 00						
62	11	Ir	P	2 30					2700?	P.in hour-break.
			i(S)	34 26						
			iL	35 51						
			Me	34 25			0.3			
			Mn	36 35		1.0				
			F	2 45						

No.	Date May	Char.	Phase	Time (Greenwich) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
63	16	I	eL	12 48 46					
			Mn	57 05	21.0	0.4			
			Me	58 00			0.2		
			F	13 33					
64	18	I	e?	7 35 15					
			Mn	43 20	22	0.4			
			Me	48 25			0.4		
65	20	Iu	i(P)	5 05 44					
			iPR1	09 35					
			iS	15 22					
			i	16 52					
			eL	33 42					
			Mn1	42 20	20.0	1.5			
			Me1	43 55			0.4		
			Mn2	47 30	23.0	1.0			
			Me2	47 30			0.8		
			F	in micros.					
66	21	IIu	eL	17 04 30					(Milne-Shaw phases unreadable, heavy air tremors & lines run together. E.Q.67-micros strong.
			Me1	10 50			0.6		
			Me2	16 45			1.2		
67	22	Ir	S	0 37 00					
			iL	40 31					
			Mn	43 00		1.5			
			Me	47 10			0.5		
68	22	Ir	iP	20 12 16				3100	
			i	13 28					
			iS	17 03					
			iL	19 10					
			Me1	19 45			2.5		
			Mn1	19 52	13.5	3.0			
			Mn2	20 45	8.5	4.3			
			Me2	21 20			1.6		
			Mn3	22 15	11.5	4.2			
			Mn4	23 33	10.0	5.2			
			F	21 30					
69	26	Ir	iP	8 49 00				3600	
			i	49 49					
			iS	54 18					
			i	56 32					
			L	57 21					
			Me1	9 01 15			0.7		
			Me2	02 25			0.8		
			Mn	03 10	17.0	3.2			
			F	9 50					
70	26	I	e(L)	12 25 10					Me very small
			Mn	27 30	13.0	0.3			
			F	12 42					
71	26	IIu	eP	23 00 44				8800	
			iS	10 33					
			i	16 59					
			L	25 43					
			Mn1	41 20	23.0	3.3			
			Me1	45 35			1.1		
			Me2	50 05			1.1		
			Me3	53 00			2.2		
			Mn2	54 00	20.0	2.3			
			Mn3	59 30	18.0	2.0			
			Me4	00 21 20			1.5		
	27		Mn4	24 30	20.0	2.7			
			F	2 50					

No.	Date	Char.	Phase	Time (Green^{n}) H.M.S.	Recorded period of Waves N-S	A N	A E	Δ in kms.	Remarks.
72	28	I	e	5 27 16					
			Mn	36.9	17.0	0.3			
			Me	35.3			0.2		
			F	6 18					
73	30	Iu	eP	9 58 18?					
			iS	10 09 20					
			L	30 30					
			Mn_1	35 40	22.0	0.5			
			Me_1	37 35			0.4		
			Me_2	41 20			0.5		
			Mn_2	42 20	18.0	1.0			
			Mn_3	47 50	14.5	1.3			
			F	12 20					

Constants. Milne-Shaw (N-S) Period- 1st to 22nd,17.0 secs;26th-30th 15.5 secs.

Damping ration 20 : 1.

Milne (E-W) Period 1st & 2nd,19.6 secs; 6th-8th,19.9; 10th & 11th,20.3 ; 16th-22nd, 20.0; 26th-30th,19.6.

Sensibility- 1st-11th, .37; 16th-27th, .35; 26th-30th,.33 .

ADELAIDE OBSERVATORY

Seismological Bulletin JUNE 1929

Bulletin No. 6.

No.	Date June	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
74	2	I	eP	21 49 00?					
			i(S)	57 37		3.0			No definite Mn, micros very strong throughout.
			i	58 26		2.1			
			Me	22 12 30			0.3		
75	4	Ir	iP	15 25 20				2500	
			iS	29 26		5.5			
			i(L)	30 32					
			Mn	32 55	7.5	2.3			
			Me	33 35			0.5		
			F	16 20? in micros.					
76	6	Ir	eP	15 50 46				4000?	
			S	56 23?					
			i(SR2)	58 55					
			i	59 36					
			L	16 00 12?					
			Mn_1	01 15	6.0	2.2			
			Me_1	01 40			1.5		
			Mn_2	03 55	11.5	7.6			
			Me_2	04 00			1.0		
			F	16 50					
77	9	I	S	9 30					Beginning of S. in hour break.
			L	42 40?					
			Mn	52 50	21	1.0			
			Me	59 10			0.4		
			F	11 05					
78	12	IIr	iP	11 49 14				4000	Very small tremor June 12th, 2^h33^m – 2^h51^m.
			i	54 03					
			iS	55 00					
			i	56 28					
			L	58 30					
			Me_1	12 00 40			1.6		
			Mn_1	02 35	13.0	8.2			
			Me_2	03 00			1.1		
			Mn_2	03 X10	11.0	7.4			
			Mn3	06 32	9.0	5.3			
			Me3	06 40			1.2		
			F	13 15? in micros.					
79	13	Iu	eP	0 26 05?					P. in micros.
			e	33 54					
			iS	34 35					
			i(L)	48 15					
			e	52 43					
			Mn1	57 10	20.0	2.3			
			Mn2	1 01 00	19.0	2.0			
			Me1	01 40			0.6		
			Me2	04 20			0.7		
			Me3	08 00			0.7		
			Mn3	09 25	20.0	2.3			
			Mn4	10 45	20.0	3.1			
			Me4	14 05			0.8		
			F	3 35					

ADELAIDE OBSERVATORY

JUNE 1929. Bulletin

No.	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
~~No.~~	~~Date~~	~~Char.~~	~~Phase~~	~~Time (Greenh) H. M. S.~~	~~Recorded period of Waves N-S~~	~~A N~~	~~A E~~	~~△ in kms.~~	~~Remarks.~~
~~80~~	~~13~~	~~IIu~~	~~iP~~	~~9 32 46~~				~~5500~~	~~P~~
80	13	IIu	iP	9 32 46				5500	
			i	35 07					
			i	39 25					
			iS	39 56		9.7			
			i	42 52					
			iL	46 00					
			Me1	51 30			8.5		
			Mn1	51 30	25.0	11.1			
			Me2	52 50			5.2		
			Mn2	53 05	16.5	9.0			
			Mn3	54 25	15.0	7.2			
			Me3	55 00			2.2		
			Me4	57 35			2.9		
			Mn4	58 55	16.0	9.0			
			Mn5	10 00 45	16.0	9.0			
			F	12 00?					
81	13	Ir	eP	23 08 51				4700	
			eS	15 16					
			iSR2	19 24					
			L	20 15					
			Me	26 35			0.7		
			Mn	29 45	19.0	2.0			
	14		F	1 00					
82	15	I	e	1 49 24					Phases lost in changing paper.
			Mn	2 00 25	19.0	0.3			
			F	2 20					
83	15	I	e(S)	9 13 42					
			L	16.4					
			Mn	17 05	10.0	0.3			
			F	9 38					
84	15	Iu	i(S	19 50 05					
			iSR1	54 34					
			L	57 25					
			Me	20 01.5			0.2		
			Mn	20 04 10	20.0	0.5			
			F	20 35					
85	15	I	e?	21 23 42					Micros present.
			e	29 25					
			Me	41.5			0.3		
			Mn	44 10	19.0	0.4			
			F	21 55					
86	16	IIIr	iP	22 53 11				3100	New Zealand.
			i	53 28		9.0			
			i	57 38					
			iS	58 00		9.5			
			iSR1	59 05					) These phases
			iSR2	59 38					) uncertain,
			iL	23 00 10					) within few
			Mn1	00 55		88			))seconds owing
			Me1	01 10					to faintness
			Me2	02 40					of record.
			Mn2	03 50		95			
			Me3	03 50					Me's 1-4
			Me4	06 00					against stops.
			Me5	07 55			12.5		
			Mn3	08 30	10.0	61.5			
			Me6	10 30			12.5		
			Mn4	11 30	14.0?	61.8			
			Mn5	13 50	12.0	46.2			
			Mn6	15 05	11.0	36.6			
			Me7	16 25			9.9		
			Mn7	17 20	11.0	39.3			
	17		F	3 30? in micros.					

ADELAIDE OBSERVATORY

June 1929 Bulletin No. 8A continued.

No.	Date June	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	Δ in kms.	Remarks
87	17	Iu	eP	10 23 38?				5880	P.in micros.
			e	24 58					
			iS	31 05					
			L	38 36					
			Me	42 25			0.5		
			Mn	45 13	16.0	1.1			
			F	11 30? in micros.					
88	19	Ir	iS	3 36 25					Phases masked by micros & air tremors
			L	38 42?					
			Mn1	39 35	13.0	0.8			
			Me	41 10			0.5		
			Mn2	42 10	16.0	0.7			
89	19	Iu	e(PR)	7 40 52				5100?	Micros present.
			iS	45 34					
			i	47 05					
			i(SR$_1$)	48 53					
			i(SR$_2$)	50 11					
			L	52 35?					
			Me$_1$	55 12			0.6		
			Mn1	59 40	15.0	2.0			
			Mn2	8 04 10	15.0	1.4			
			Me2	05 40			0.7		
			Mn3	09 15	16.0	1.5			
			F	9 08					
90	19	Ir	eP	9 22 40?				3300	P.in micros.
			eS	27 14					
			L	29 33					
			Mn	31 00	16.0	1.6			
			Me	33 30			0.9		
			F	10 25					
91	19	I	L	12 10 22					Air tremors very strong, phases masked.
			Me	11 25			0.4		
			Mn	12 30	8.0	1.3			
92	20	Ir	eP	18 36 15?				3200	
			i(PR$_2$)	37 06					
			S	41 04					
			L	43 35					
			Mn	45 30		0.7			
			Me	45 30			0.3		
			F	19 15					
93	22	IIr	eP	15 35 24?				3400	New Zealand.
			ePR$_1$	36 20					
			iS	40 34					
			i	42 25					
			iL	43 10					
			Mn$_1$	44 00	13.0	3.7			
			Mn$_2$	44 42	20.0	4.1			
			Mn$_3$	46 35	15.0	4.2			
			Me1	46 58		[illegible]	4.5		
			Mn4	47 15	17.0	4.0			
			Mn5	48 00	11.0	4.5			
			Mn6	48 50	11.0	4.3			
			F	18 10? in micros.					
94	22	Ir	eP	18 44 47?				3400	P.in micros. New Zealand.
			e	45 25					
			eS	49 56					
			iSR$_2$	51 52					
			L	52 22					
			Mn1	52 45	15.0	2.4			
			Mn2	53 52	12.0	2.8			
			Me	56 00			1.9		
			F	20 30					

ADELAIDE OBSERVATORY

JUNE 1929 — Bulletin No.6 Continued.

No.	Date June	Char.	Phase	Time (Green^h) H. M. S.	Recorded Period of Waves N-S	A N	A E	△ in kms.	Remarks
95	23	Iu	e	21 51 10?					Phases obscured by micros.
			e	22 00 40					
			e(L)	12 36					
			Me	20 35			0.4		
			Mn	22 30	20.0	0.8			
			F	22 54					
96	25	I	e	9 51 42					
			eL	55 30					
			Mn	10 00 10	17.0	0.3			
			Me	02 40					
			F	10 17					Me very small.
97	27	IIIu	iP	13 00 10				9400	
			i	03 17					
			iPR_1	03 48					
			$i(PR_2)$	05 12					
			iS	10 38					
			i	11 08					
			i	11 53					
			i	15 48					
			iSR_1	16 55					
			iSR_2	20 22					
			i	24 10					
			iL	26 45					
			iL	30 05?	in hour	break.			
			Mn1	31 00	38.0	14.3			
			Mn2	35 00	27.0	22.9			
			Me1	36 50			5.5		
			Mn3	37 40	19.0	66.5			
			Me2	38 25			7.9		
			Mn4	39 58	20.0	38.3			
			Mn5	41 30	19.0	49.0			
			Me3	42 20			6.6		
			Mn6	44 08	18.0	36.8			
			Me4	45 10			12.0		
			Mn7	45 10	17.5	42.4			
			Mn8	47 12	16.6	28.2			
			Me5	49 30			4.0		
			F	17 30					
98	30	I	eP	2 52 24?				5600?	Complicated-phases masked.
			e	53 03					
			i(PR)	54 55					
			iS	59 36					
			i	3 02 54					
			e(L)	06 16					
			i	13 42					
			Mn1	13 55	18.0	2.5			
			Me1	16 15			0.9		
			Me2	18 40			1.3		
			Mn2	19 20	15.0	2.9			
			F	4 18					

Constants. Milne-Shaw. Period 15.0 seconds. Damping ratio 20:1.
Milne. Period 1st-17th, 19.2 seconds; 19th-30th, 19.5.
Sensibility 0.32.

ADELAIDE OBSERVATORY

Seismological Bulletin JULY

Bulletin No. 7

No.	Date July	Char.	Phase	Time (Greenh. M. S.	Recorded period of Wves. N-S	A N	A E	Δ in kms.	Remarks
99	3	Ir	eP	17 58 13?					
			eS	18 04 45					
			eL	09 00			XXX		
			Me	11 20			0.4		
			Mn	13 20		0.8			
			F	18 48					
100	5	Iu	eP	14 36 00				9200	P.in micros
			eS	42 52					
			e	49 50					
			i	55 26					
			L	58 15					
			Mn_1	15 08 30	19.5	1.8			
			Me_1	12 40			1.2		
			Mn_2	25 10	21.0	1.8			
			Me2	29 15			1.7		
			eW2	16 32 29					
			Mn_1	40 10			1.3		
			F	17 18					
101	5	Iu	eS	22 59 55				10000?	
			e	23 01 39					
			i	07 23					
			e(SR2)	10 30					
			eL	17 20					
			Mn	32 45	16.5	1.7			
			Me	37 20			1.0		
	6		F	1 20					
102	6	I	e?	2 24 50					Phases very small amplitude-Micros present.
			eX	41 23					
			e?	27 15					
			Me	3 01 30			0.2		
			Mn	18 40	15.0	0.5			
			F	3 55					
103	6	Ir	eS	6 49 46					
			e(SR2)	51 13					
			eL	51 33					
			Mn	52 25	11.0	0.4			
			Me	54 35			0.2		
			F	6 20					
104	6	IX	e	11 00 25					Short period vibrations.
			e	03 40					
			L	04 47					
			Mn	09 05	21.0	0.7			
			F	11 54					
105	7	IIu	iP	21 36 32				9400	
			e	39 39					
			iS	47 00					
			i	47 40					
			i	48 55					
			i	54 12					
				54 25		6.2			
			iL	22 03 00					
			Mn1	12 38	23.0	8.1			
			Me1	13 40			2.5		
			Me2	17 55			7.5		
			Mn2	18 45	18.5	7.5			
			Mn3	20 25	19.0	5X.1			
			Me3	25 00			2.9		
			eW2	23 32 00					
			Mn1	37 55	23.0	1.2			
			Mn2	44 05	25.0	2.2			
			F. in No. 106.						

ADELAIDE OBSERVATORY -JULY 1929 BULLETIN No. 7 Continued.

No.	Date. July.	Char.	Phase	Time (Green^h) h. m. s.	Recorded Period of Waves N-S	A N	A E	△ in kms.	Remarks.
106	8	Ir	eP	0 48 00?				3100?	Phases uncertain-in end of previous quake.
			eS	52 48?					
			L	54 22					
			Mn	56 20	13.3	2.1			
			Me	57 50			0.5		
			F	1 32					
107	13	Ir	i	14 57 03					P.indistinquishable, lines of record crossed just there.
			eS	15 01 13					
			i	01 34					
			i(SR1)	03 12					
			i(SR2)	04 50					
			iL	05 27					
			Mn1	08 35	16.0	2.5			
			Me1	08 35			1.3		
			Mn2	10 40	18.0	3.0			
			Me2	09 50			1.7		
			Me3	10 40			1.6		
			Mn3	12 22	13.0	2.9			
			F	16 00.					
108	14	I	e(S)	6 07 05				5000?	Micros strong.
			i(SR1)	10 26					
			i(SR2)	11 24					
			L	12 37					
			Me	13 20			0.3		
			Mn1	15 30	17.0	0.7			
			Mn2	17 15	13.5	0.8			
			F	6 50					
109	14	I	e	9 21 18					
			i(S)	27 21					
			e	36 32					
			e(L)	38 26					
			Mn1	43 35	17.0	0.8			
			Me	46 10			0.7		
			F	in No. 110					
110	14	Iu	eP	9 48 00?					
			iS	59 28					
			iSR1	10 05 38					
			iL	11 40					
			Me1	16 20			0.4		
			Mn	21 35	22.0	1.1			
			Me2	31 00			0.4		
			F	11 23					
111	15	Ir	eP	9 04 07?				3000	
			eS	08 45					
			L	10 26					
			Mn	12 12	13.0	1.8			
			Me	14 25			1.3		
			F	10 10					
112	16	I	e	1 03 55					Beginning & end in micros.
			e(L)	11 55					
			Mn	15 20		0.3			
			Me	17 10			0.3		

ADELAIDE OBSERVATORY- JULY 1929- Bulletin No. 7 Continued.

No.	Date July.	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
113	17	Iu	eS	9 01 51					
			e	09 05					
			L	19 22					
			Mn	27 30	21.0	0.8			
			Me	29 00			0.4		
			F	10 10					
114	17	I	e	20 08 20					
			eL	15 18					
			Mn	19 20	14.0	0.3			
			Me	20 30			0.2		
			F	20 40					
115	23	D	e	15 02 08					
			L	08 15?					
			Me	08 25			0.2		
			Mn	11 40	19.0	0.3			
			F	15 33					
116	24	I	e	2 59 33					
			L	3 13 06?					
			Me	14 40			0.2		
			Mn	17 00	12.0	0.9			
			F	3 55					
117	25	I	e(L)	12 19 13					
			Mn	21 30		0.3			
			Me	24 30			0.2		
			F	12 40					
118	26	I	e	11 49.5					
			eS	55.0					
			eL	58 41					
			Mn	12 01 45	10.0	0.3			
			F	12 20					
119	29	I	e	11 19 12					
			L	25 00?					Very small movement.
			Me	26 30			0.15		
			Mn	28 30	11.0	0.2			
			F	11 38					

Constants.

Milne-Shaw(N-S) Period 15.5 seconds.
Damping ratio 30 : 1.

Milne(E-W) Period 19.6 seconds.
Sensibility 0.33.

ADELAIDE OBSERVATORY
Seismological Bulletin AUGUST 1929.

Bulletin No. 8

No.	Date Aug.	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
120	1	I	i	5 20 29					
				20 35		0.7			Except for these two kicks, movement very small.
			i	21 53					
				21 56		0.8			
			L	33 37					
			Me	39 45	23.0	0.5			
			Mn	39 45			0.3		
			F	6 10					
121	1	I	eL	8 32 52?					
			Mn	36 55	13.0	0.5			
			Me	39.0			0.3		
			F	9 05					
122	2	I	eL	9 31 14?					Phases in micros. Me. too small to measure. Micros strong.
			Mn	32 58		0.3			
			F	9 42					
123	3	I	e	12 59 48					
			iS	13 05 07					
			e	08 38					
			L	12 35					
			Mn	16 15	15.0	0.7			
			Me	17 55			1.0		
			F	14 05					
124	3	Ir	eP	15 02 35?				3600	P. in micros.
			iS	07 45					
			L	10 42					
			Mn_1	14 55	13.0	1.8			
			Mn_2	15 30	13.0	1.9			
			Me	16 15			0.9		
			F	16 05					
125	4	Iu	eP	22 26 43				7000?	
			iS	31 54					
			L	45 10					Mn. indistinct-light faulty.
			Me	51 20			0.3		
			F	23 15					
126	6	Iu	eS	12 31 08					
			e	36 34					
			L	37 14					
			Mn	39 35	18.0	0.3			
			Me	44 15			0.15		
			F	12 55					
127	8	IIu	eP	13 08 17?				7400?	
			iS	17 06					
			e	21 35					
			iSR_2	24 46					
			L	27 45					
			Mn	33 45	18.0	1.8			
			Me_1	34 35			0.7		
			Mn_2	39 40	22.0	1.7			
			Mn_3	41 10	20.0	1.8			
			Me_2	47 50			1.1		
			Me_3	47 50			1.1		
			F	14 30					

ADELAIDE OBSERVATORY. Bulletin No. 8 Continued.

AUGUST 1929.

No.	Date Aug.	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
128	14	I	eP	2 22 50?					P. in micros.
			e(PR)	25 24					
			eS	30 00?					S.in hour break ± seconds.
			L	33 30					
			Me	35.5					Me very small
			Mn	39 00	14.0	0.4			
			F	3 20					
129	16	I	iS	31 38 18		1.3			
			i	38 41		1.5			Poor records, Light spot faint. Milne-Shaw rcd. faded right away at 21^h 42^m.
			i	38 50		1.8			
			Mn1	40 25		5.5			
			L	40 00					
			Mn2	41 35		12.5			
			Me1	42 40			1.0		
			Me2	45 30					
			F	22 40					
130	18	Ir	iS	8 46 28					P. in micros.
			L	50 05?					
			Mn1	53 40	13.0	1.3			
			Mn2	54 25	13.0	1.3			
			Me	55 10			1.7		
131	19	Iu	eS	3 01 14					Micros very strong.
			L	14 09?					
			Me	17 10			0.3		
			Mn	19 50	16.0	0.5			
132	22	Ir	e	7 39 33					Phases masked by air tremors.
			e(S)	45 29					
			L	50 03?					
			Mn1	53 10	11.5	1.1			
			Me	53 55			0.6		
			Mn2	55 40	10.0	1.1			
			F	8 35					
133	24	Ir	eP	3 00 50?				2900	Small movement.
			iS	05 22					
			e(SR1)	06 25					
			e(SR2)	06 40					
			eL	07 37					
			Mn	09 50	16.0	0.4			
			F	3 35					
134	30	I	eS	7 17 19					
			L	19 42?					
			Me	23 50			0.5		
			Mn	24 00	12.0	0.7			
			F	8 00					

Constants.

Milne-Shaw (N-S) Period 1st-19th, 13.5 seconds; 22nd-30th, 12.0.
Damping Ratio 20: 1.
Milne (E-W) Period 19.9 seconds.
Sensibility 0.33.

ADELAIDE OBSERVATORY.

Seismological Bulletin SEPTEMBER 1929.

Bulletin No. 9

No.	Date Sept.	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
135	1	I	eS	16 07 16					P.in micros
			iL	10 50					
			Mn1	14 40	15.0	1.0			
			Mn2	16 35	15.0	1.1			
			Me	16 50			1.2		
			F	17 10					
136	2	Ir	eP	11 21 07				4700	
			iS	27 29					
			i(SR2)	30 50					
			L	32 42					
			Me1	39 00			0.7		
			Mn1	41 42	16.5	1.2			
			Mn2	44 40	16.5	1.0			
			Me2	46 10			0.6		
			F	12 40					
137	14	Ir	eP	2 18 45				2900	
			eS	23 18					
			eL	25 15					
			Mn	26 50	11.0	0.5			
			Me	31.5			0.3		
			F	3 00					
138	17	Iu	e	19 40 06					
			e?	43 26					
			e	51 14					
			e	20 02 15					
			L	06 04					
			Mn1	24 15	17.0	0.5			
			Me	25 30			0.9		
			Mn	21 28 05	20.0	0.8			
			F	22 00					
139	22	I	e(S)	2 22 30					Very small movement
			eL	27 16					
			F	2 40					
140	24	Ir	eP	1 36 58?				4200?	
			eS	42 50					
			L	46 59					
			Mn	52 55	11.0	0.4			
			Me	55.6			0.3		
			F	2 25					
141	26	I	e	8 00 00?					Phases in micros.
			e	01 50					
			L	05 11					
			Me	07 25			0.5		
			Mn	08 20	14.0	0.8			
			F	8 45					
142	28	I	e	11 55 06					
			L	58 45					
			Me	59 40			0.2		
			Mn	12 00 00	10.0	0.3			
			F	12 20					

Constants. Milne-Shaw- Period 11.5 seconds
Damping ratio 20 : 1
Milne- Period 20.1 seconds. Sensibility 0.28.

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN OCTOBER 1929

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.
143	2	I	e	9 40 45					Small movement
			e(L)	10 07 30					
			Mn	18 40	17.0	0.7			
			Me	19.5			0.2		
			F	11 05					
144	5	I	e	2 56 25					(Large air
			eL	59 25?					(tremors
145	5	Iu	e(PR_1)	17 16 26				10800?	(present
			eS	23 32					
			L	42 09?					
			Mn	47.4	24.5	0.4			
			F	18 20					
146	6	Iu	e	8 04 31					
			iS	14 14					
			eL	29.2					
			Mn	48.5	15.0	0.6			
			F	9 30					
147	6	I	e	13 10 00					
			L	30 47					
			Mn	37 05	14.5	0.6			
			F	14 30					
148	7	I	eL	15 23 28?					Strong air tremors present.
			Mn	31 05	12.5	0.8			
149	8	Ir	eP	17 24 30?				3400	
			ePR_1	25 17					
			eS	29 34					
			iL	32 17					
			Mn_1	34 35	10.0	1.1			
			Me_1	35.0			0.7		
			Mn_2	37 15	15.0	4.0			
			Me_2	38 40			2.1		
			F	19 05					
150	10	I	e	11 00 53					
			eL	03 18					
			Mn_1	08 30	14.5	1.7			
			Mn_2	08 30	12.0	2.2			
			F	11 45					
151	14	I	e	3 35 05					Milne-Shaw out of action Oct.14 1^h43^m to Oct 15th $2^h\ 55^m$
			e	40 00					
			e(L)	43 55					
			Me	46.6			0.7		
			F	4 20					
152	15	I	e	8 23.0?					Milne-Shaw rcd.unreadable.
			eL	26.3					
			Me	29.2			very small		
			F	8 40					

ADELAIDE OBSERVATORY

Seismological Buuletin No 10 Continued. OCTOBER 1929

No.	Date	Char.	Phase	Time (Green^{h}) H. M.S.	Recorded Period of Waves N-S	A N	A E	△ in kms.	Remarks
153	16	I	e	1 29.5					
			eL	31 38					
			Me	31.7			0.2		
			Mn	32 30	14.0	0.5			
			F	1 45					
154	19	Iu	eP	10 32 25				9700?	
			i	33 07					
			i	33 37					
			i	39 03					
			i	40 23					
			iS	43 04					
				43 15		4.5			
			e	47 00					
			iSR_1	49 13					
			L	11 02 19					
			Me_1	04 30			0.6		
			Mn	08 60	35.0	1.5			
			Me_2	08 30			0.6		
			F	12 50					
155	20	I	e(L)	21 01 40					
			Mn	04.8	12.5	0.2			
			F	21 20					
156	21	I	i(S)	10 56 34					
			e(SR_1)	11 02 21					
			eL	12 10					
			Mn	23 00	19.5	0.9			
			Me	23.0			0.2		
			F	11 55					

CONSTANTS.

Milne-Shaw(N-S) Period 12.0 secs. Damping Ratio 20 : 1.
Magnification (nominal) 150.

Milne (E-W) Period 20.0 secs. Sensitivity 0.33

ADELAIDE OBSERVATORY

SEISMOLOGICAL BULLETIN NOVEMBER 1929.

Bulletin No. 11.

No.	Date Nov.	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
157	4	I	e	15 39.1					(N-S rcd un-
			e	41.3					(decipher-
			e	44.0					(able, owing
			eL	48.0					(to large
			Me	52.5			0.7		(level change
									(Air tremors
158	10	Ir	e(P)	8 35.1				3900	(large
			eS	40.8					(N-S rcd.un-
			eL	44.0					(decipherable
			Me	46.2			0.4		(owing to
			F	9 30					(level change
159	13	Iu	iP	0 41 46				6250	
			eS	49 35					
			iSR2	56 00					
			eL	58 00					
			Me1	1 00 00			1.0		
			Mn1	00 20	20.5	1.0			
			Mn2	02 55	14.0	1.4			
			Me2	04 40			0.5		
			F	1 55? in micros.					
160	14	Ir	eP	20 51 19				3300	Small ampli-
			iPR2	52 13					tude, no def-
			iS	56 20					inite max.
			eL	58 51					
			F	21 25					
161	15	IIIr	eP	18 58 16				4550	
			iP	58 20					
				58 26		3.0			
			i	19 00 01					
			i	00 52					
			iS	04 38					
				04 50		31.5			
			i	06 06					
			i	07 58					
			iL	09 18					
			Me1	13.3					
			Mn1	13 55	13.0	21.7			Me1, and Me3
			Me2	14.5					against stops
			Mn2	16 00	13.6	37.0			
			Me3	16 00			9.0		
			Mn3	16 57	13.5	31.3			
			eW2	21 33 20					
			F	22 40					
162	16	I	eL	23 46 22					
			Mn	49 10	13.0	0.6			Phases in micros.
			Me	50.3			0.2		
	17		F	0 10					
163	17	IIr	iP	3 51 26				4850	
			i	51 35					
			iPR1	53 13					
			i	54 00					
			iS	57 56					
			i	58 16					
			i	58 34					
			iSR1	44 00 45					
			iL	03 12					
			Mn1	07 30	18.0	17.0			
			Me1	08 20			7.1		
			Mn2	10.13	20.0	21.4			
			Me2	10 55			5.9		
			Mn3	11 30	19.0	11.0			
			Me3	12 40			3.8		

 Bulletin No. 11 Continued.

NOVEMBER 1929.

Adelaide Observatory.

No.	Date	Char.	Phase	Time (Green^h) H. M. S.	Recorded period of Waves N-S	A N	A E	Δ in kms.	Remarks.
			Mn4	3 13 40	16.0	9.3			
			Mn5	14 30	15.5	9.52			
			Me4	15 00			3.8		
			Me5	16 05			3.2		
			Me6	18 00			3.8		
			F	5 35					
164	18	I	e	5 49 25					
			L	6 03 32					
			Me	07 50			0.6		
			Mn	19 30	18.5	1.2			
			F	6 50					
165	18	IIu	eP	20 52 37					
			i	57 14					
			iS	21 07 27					
			i	10 47					
			iSR1	18 08					
			iSR2	24 00					
			eL	40 58					
			Mn1	22 00.5	26.0	1.5			
			Me1	01.0			0.6		
			Mn2	03.8	20.0	1.6			
			Me2	04.8			1.2		
			Mn3	05.8	20.0	2.4			
			Mn4	07.7	19.5	2.5			
			Me3	08.9			1.2		
			Me4	11.3			1.5		
			Mn5	12.2	18.0	2.5			
			Me5	13.3			1.7		
			Mn6	17.1	19.0	3.0			
			F	23 30					
166	22	I	e	15 44.1?					Long Waves
			eL	56 11					
			Mn	59.3	15.0	0.3			
			Me	16 00.0			0.3		
			F	16 30					
167	23	IIr	eP	0 07 59				3250	Probably several shocks. Looks like new P at $0^h\ 15^m45^s$.
			iS	12 55					
			i	14 25					
			i	14 50					
			iL	16 43					
			Me1	18.4			6.0		
			Mn1	18 38		9.0			
			Mn2	19 57		9.0			
			Mn3	21 25	9.3	26.7			
			Mn4	21 58	8.5	11.7			
			Mn5	22 40	7.8	8.5			
			Me2	23.0			4.3		
			F	2 20					

CONSTANTS. Milne-Shaw (~~E-W~~ N-S) Period 15 secs. Damping ratio 20 : 1.
Magnification (nominal) 150
Milne (~~N-S~~ E-W) Period 20.0 secs. Sensitivity 0.33.

ADELAIDE OBSERVATORY
SEISMOLOGICAL BULLETIN DECEMBER 1929.

Bulletin No. 12

No.	Date Dec.	Char.	Phase	Time (Green) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks
168	3	Ir	eP	7 41 50				4980	
			iS	48 28					
			iSR2	52 35					
			i	53 00					
			L	53 36					
			Me1	55.1			1.8		
			Mn1	55 35	13.5	14.4			
			Mn2	56 00	9.5	7.5			
			F	8 40? in micros.					
169	4	I	e(S)	6 41 10					
			L	46 11?					
			Mn	51.2	17.5	0.5			
			Me	51.8			0.3		
			F	7 10					
170	4	I	e	7 56 26					
			Mn	8 14.5	16.0	0.6			
			Me	14.8			0.4		
			F	8 45					
171	5	I	e	16 04 50					
			Mn	19 40	15.0	0.3			
			Me	22.6					very small
			F	17 05					
172	6	Iu	eS	12 01 15					
			i(SR)	07 34					
			eL	21 20					
			Mn	28 20	20.0	1.4			
			Me	29 00			0.5		
			F	13 15					
173	6	Iu	eP	16 59 04?					
			iS	17 10 00					
			eSR1	16 24					
			eL	29 22					
			Mn1	37 35	16.7	2.0			
			Me1	38.4			0.4		
			Mn2	40 35	17.5	3.2			
			Me2	42.0			0.9		
			Mn3	44 25	17.0	2.9			
			Me3	44.6			1.2		
			Mn4	46 40	16.3	2.6			
			Me4	49.0			0.4		
			Mn5	53 00	16.0	2.5			
			F	18 50					
174	6	Iu	eP	20 33 55?					Milne-Shaw (N-S) off level from 18^h25^m to 20^h59^m.
			eS	4[illegible]4 38					
			eSR1	50 40					
			L	21 05 00?					
			Me1	06.2			0.4		
			Mn1	11 30	16.0	2.0			
			Me2	13.1			0.3		
			Mn2	14 55	16.5	2.2			
			Me3	19.2			1.0		
			F	22 10					

Adelaide Observatory December 1929

Bulletin No.12 Contd.

No.	Date Dec.	Char.	Phase	Time (Green^h) h. M. S.	Recorded period of	A N	A E	△ in kms.	Remarks
175	9	IIu	eP	6 59 48?				6300	
			iS	7 07 39					
			i	09 33					
			i	12 00					
			L	16 05					
			Me1	20 05			1.3		
			Mn1	20 40	13.3	8.8			
			Me2	21 30			2.3		
			Mn2	21 35	13.3	4.7			
			Me3	23 00		XXX	2.7		
			Mn3	23 35	14.0	4.8			
			Mn4	24 35		5.6			
			Me4	24 50			4.3		
			Me5	28 10			3.9		
			F	9 20					
176	13	Ir	eS	8 34 08					P.in micros.
			Me	42 45			0.6		N-S rcd.il-
			F	9 45?					legible.
177	16	Ir	eP	0 50 50				2730	
			iS	55 10					
			eSR1	56 09					
			L	56 40					
			Mn1	57 45	14.0	2.2			
			Me	58 05			1.0		
			Mn2	1 00 15	13.0	2.1			
			F	1 35					
178	16	Ir	eP	11 32 14?					
			e	37 30					
			L	40 44					
			Me1	43 00			0.7		
			Mn1	45 55	13.5	2.5			
			Me2	46 00			1.0		
			Mn2	46 40	12.6	3.9			
			F	12 45					
179	16	I	e(S)	16 18 20					very small
			eL	20 45					
			Mn	22.3	12.0	0.3			
			Me	23.6			0.4		
			F	16 32					
180	17	IIIu	P	11 12 10?				10,000?	N-S rcd.
			iS	23 00					lines run
			i	24 10?					together.
			i	27 54					
			iL	41 10					
			Mn1)	46 12	19.0	16.4			
			Me1)				4.9		
			Mn2	49 30	23.0	13.5			
			Me2	51 45			3.3		
			Mn3)	54 25	19.0	11.2			
			Me3)				3.7		
			Mn4	56 05	17.8	12.8			
			Me4	57 10			5.5		Series of
			Mn5	57 10	16.3	13.3			large move-
			Me5	58 10			6.2		ments to
			Mn6	12 58 10	16.0	13.0			14^h 09^m
			Me6	XX 01 10			5.6		
			F	14 45					
181	17	I	i(S)	21 40 03					P. in XXXX
			L	44 23?					micros.
			Mn	48 10	20.0	1.4			
			Me	50.2			0.4		
			F	22 20					

ADELAIDE OBSERVATORY.

DECEMBER 1929 — Bulletin No. 12 Contd.

No.	Date	Char.	Phase	Time (Greenh) H. M. S.	Recorded period of Waves N-S	A N	A E	△ in kms.	Remarks.
193	31	Iu	eP	1 12 19				5070?	
			i(PR2)	14 39					
			iS	19 02					
			i(SR1)	22 24					
			L	26 33					
			i	27 46					
			Mn1	31 40	10.0	1.7			
			Me	31 50			0.7		
			Mn2	34 40	11.0	1.7			
			F	2 10					
194	31	Ir	iP	4 14 05				1860	
			eS	17 10					
			iL	17 49					
			Me	18.6			1.3		
			Mn1	18 38	7.5	3.8			
			Mn2	19 58	7.6	3.9			
			Mn3	20 40	9.5	3.7			
			Mn4	21 55	9.5	3.3			
			F in No. 1945						
195	31	Ir	eP	4 49 36				3130	Very short period movement imposed on coda of No.194
			iS	54 25					
			L	56 26					
			Me	5 01.4			1.1		
			Mn1	02 00	18.0	3.2			
			Mn2	04 05	10.5	2.7			
			F	6 25					
196	31	I	eL	16 56 13?					
			Mn	57 45	11.0	0.3			
			F	17 15					
197	31	I	e	22 20 05					
			Mn	20 40	15.0	1.7			
198	31	I	iS	22 24 39					
			L	25 22?					
			Mn	27 32	11.0	5.7			
			Me1	27.5			0.9		
			Me2	30.1			0.8		
			F	23 20					

CONSTANTS.

Milne Shaw- Period 16.0 Seconds. Damping Ratio 20 : 1.
Magnification (nominal) 150

Milne- Period 19.2 Seconds. Sensitivity 0".32.