SYDNEY OBSERVATORY.

Milne Seismograph E - W Component.

Constants B P = 18^{s}. D.V. 1 mm = 0".38.

Date 1934.	Phase.	Time Greenwich H.	M.	S.	A_E mms.	kms.	Remarks.
Jan.1	eP	6	29	42			
	iS		36	40			
	L		40	24			
	M		41	00	0.6	5,000	
	L		41	48			
	M		42	18	0.5		
" 2	e	17	39	18			
	L		42	36			
	M		43	18	0.9		
	L		46	00			
	M		48	00	0.5		
" 2	e	19	23	36			
	L		24	30			
	M		25	18	0.6		
" 2	Sinusoidal waves	21^{h}	57^{m}	00^{s}	to 22^{h}	08^{m}	00^{s}
" 5	e	17	05	48			
	L		12	18			
	M		13	20	0.2		
" 15	iP	8	56	06			
	iS	9	06	36			
	SR_1		12	30			
	SR_2		19	12			
	L		26	00			
	M		29	42	4.1		
	M		31	12	4.1		
	L		32	00			
	M		33	00	3.6		
	L		34	18			
	M		35	24	4.5	9,400	Indian Earthquake.
	L		37	00			
	M		37	42	5.0		
	L		39	18			
	M		40	30	5.1		
	L		42	00			
	M		42	48	4.6		
	L		45	00			
	M		45	30	3.1		
	L		46	00			
	M		48	00	3.7		
	L		50	18			
	M		51	30	4.9		
	L		53	00			
	M		54	18	3.5		
	L		55	00			
	M		56	00	4.0		
	L		56	48			
	M		58	12	4.5		
	M	10	00	30	4.8		

Date 1934.	Phase.	Time Greenwich H.	M.	S.	A_E mms.	kms.	Remarks.
Jan.16	e	18	54	42			
	L		58	42			
	M		59	30	0.4		
	M	19	07	48	0.3		
	M		17	00	0.2		
" 18	e	10	53	42			
	L		56	36			
	M		58	36	0.5		

Small wave motion, without any definite phases, from $28^d\ 19^h\ 34^m$ to $28^d\ 22^h\ 16^m$ and again on $30^d\ 9^h\ 39^m$ to $30^d\ 14^h\ 50^m$, probably from Earth Tremors at Gunning, New South Wales.

Jan. 29	e	13	09	24			
	L		12	06			
	M		13	12	0.2		
" 30	e	21	02	36			
	L		12	24			
	M		16	30	0.3		
" 31	eP	10	15	24			
	eS		19	48			
	L		24	18			
	M		27	18	0.9	2,800	

SYDNEY OBSERVATORY.

Milne Seismograph E-W Component.

Constants B.P. = 18^s D.V. 1 mm = $0^{\prime\prime}.38$

Date 1934	Phase	Time Greenwich H	M	S	A_E mm	kms.	Remarks.
Feb.2	iP	15	16	54			
	iS		21	31			
	L		22	42			
	M		24	00	11.5		
	L		27	48		2,900	
	M		28	30	3.4		
	L		29	30			
	M		30	12	2.6		
3	e	14	43	00			
	eP		43	54			
	iS		47	06		2,500	
	L		49	18			
	M		50	30	4.2		
4	Sinusoidal waves $14^h\ 28^m\ 00^s$ to $14^h\ 49^m\ 24^s$						
4	eP	22	12	36			
	L		20	06			
	M		22	00	1.6		
9	P		?				P lost in micros.
	iS	10	39	42			
	L		44	24			
	M		45	45	4.0		
12	Sinusoidal waves $12^h\ 05^m\ 12^s$ to $12^h\ 32^m\ 00^s$						
14	e	1	55	30			
	L		58	12			
	M		59	30	0.5		
14	eP	4	09	30			
	iS		18	00			
	PS		19	36			
	SR_2		27	00			
	L		32	36			
	M		37	42	3.7		
	L		46	30		7,000	
	M		47	36	1.5		
	L		52	54			
	M		53	36	0.8		
	L		58	24			
	M		59	36	0.8		
	L	5	07	24			
	M		09	12	0.9		
17	eP	21	14	36			
	iS		21	36			
	L		29	48			
	M		31	00	0.7	5,344	
19	P		?				P lost in micros.
	iS	10	41	25			
	L	11	03	18			
	M		05	00	0.6		
23	e	3	17	42			
	L		18	20			
	M		19	42	0.4		

Date 1934	Phase	Time Greenwich H	M	S	A_E mm	kms.	Remarks.
Feb.23	e	5	19	5[illegible]			
	L		28	20			
	M		29	30	0.4		
24	P		?				P lost in micros.
	iS	6	41	25			
	SR_2		47	54			
	L		50	24			
	M		57	40	7.5		
	L	7	01	30			
	M		02	05	2.7		
	L		03	36			
	M		04	20	2.4		
27	eP	21	39	30			
	eS		42	25			
	L		43	35		1,750	
	M		44	30	1.0		
28	eP	14	27	58			
	iS		32	30			
	L		36	45			
	M		38	42	13.0	2,900	
	L		42	40			
	M		43	40	4.5		

SYDNEY OBSERVATORY.

Milne Seismograph E-W Component.

Constants B.P. = 18^s D.V. 1 mm = 0.38"

Date 1934	Phase.	Time Greenwich H	M	S	A_E mm.	Δ kms.	Remarks.
Mar. 1	P		?				P lost in micros.
	iS	4	01	18			
	L		03	00			
	M		04	00	0.7		
1	e	19	50	30			
	eP		52	12			
	iS		55	45			
	L		57	20			
	M		59	00	3.6	3,500	
2	e	13	32	30			
	L		36	05			
	M		37	12	0.2		
2	e	19	57	30			
	L	20	02	04			
	M		03	06	0.4		
4	iP	6	00	25			
	iS		04	20			
	L		06	40			
	M		08	24	1.9	2,420	
5	iP	11	50	50			
	iS		54	55			
	L		56	24			
	M_1		57 to 12 04	00) to 30)	----> 23.0		
	M_2		05	20	17.2	2,556	New Zealand
	M_3		06	36	9.1		
	M_4		07	20	9.0		
	M_5		08	40	10.0		
	M_6		09	30	6.8		
	M_7		10	45	7.1		
	M_8		11	50	5.0		
	M_9		13	36	6.2		
6	e	13	00	18			
	L		04	25			
	M		05	20	0.2		
9	e	5	55	55			
	L		57	00			
	M		58	00	0.2		
10	eP	8	01	55			
	iS		05	55			
	L		08	53			
	M		10	20	0.6	2,489	
11	e	12	52	00			
	L		54	00			
	M		54	40	0.2		

Date 1934	Phase.	Time Greenwich H	M	S	A_E mm.	Δ Kms.	Remarks.
Mar.13	eP	13	17	10			
	iS		21	55			
	SR_2		23	36			
	L		26	20			
	M		27	40	3.5	3,089	
	L		28	25			
	M		29	00	2.5		
15	iP	10	51	32			
	iS		55	15			Preceded by Micros.
	L		57	30			
	M	11	00	12	4.5		
	L		01	30			
	M		02	10	2.5	2,267	
	L		03	12			
	M		03	40	1.5		
16	eP	14	21	55			
	iS		24	50			
	L		27	36			
	M		28	25	0.6		
	L		29	30			
	M		30	40	0.6	1,744	
	L		32	07			
	M		32	20	0.4		
20	eP	2	46	55			
	iS		51	24			
	L		55	10		2,867	
	M		56	28	4.6		
24	e	12	09	28			
	iP		10	00			
	iS		14	32			
	L		16	38	10.0		
	M		20	10			
	L		21	30	4.6	3,356	
	M		22	00			
	L		24	35	3.1		
	M		25	05			
27	e	3	31	20			
	L		40	06			
	M		41	24	0.3		

Date 1934	Phase.	Time Greenwich H	M	S	A_E mm	△ kms.	Remarks.
April 26	eP	8	01	30			
	iS		05	30			
	L		07	20	~~1,4.9~~	2,489	
	M		10	15	1.3		
26	e	13	47	30			
	L	14	06	00			
	M		08	20	0.2		
26	e	15	55	38			
	L		58	45			
	M	16	00	33	0.1		
26	e	17	35	06			
	L		40	20			
	M		41	25	0.1		
26	eP	21	04	42			
	iS		09	40			
	L		12	50			
	M		14	00	2.0	3,267	
	L		15	50			
	M		17	30	0.9		
27	e	20	48	50			
	iP		51	30			
	iS		55	48			
	L		57	50			
	M	21	00	10	3.0		
	L		02	00		2,722	
	M		02	36			
	L		05	18			
	M		06	36	3.4		
28	e	15	18	48			
	L		24	50			
	M		26	00	0.2		
28	eP	18	11	18			
	eS		13	50			
	L		15	40			
	M		19	00	0.6	1,522	

SYDNEY OBSERVATORY.

Milne Seismograph - E-W Component.

Constants B.P. = 18^s D.V. 1 mm = 0."38.

Date 1934	Phase.	Time Greenwich H.	M.	S.	A_E mm	△ kms.	Remarks.
April 9	e	15	51	55			
	L	16	10	25			
	M		12	48	0.2		
10	eP	10	28	05			P doubtful - preceded by Micros.
	iS		37	00			
	L		47	00			
	M		48	28	1.0	7,489	
	L		49	50			
	M		51	00	1.4		
11	eP	21	13	32			
	iS		17	18			
	L		20	12			
	M		21	10	0.6	2,311	
	L		24	35			
	M		26	00	0.6		
13	e	14	01	50			
	L		04	12			
	M		05	00			
15	eP	22	23	58			
	iS		31	40			
	SR_2		37	33			
	L		42	36			
	M		43	20	2.5		
	L		44	30			
	M		45	10	2.6		
	L		50	00			
	M		51	30	3.0	6,133	
	L		52	00			
	M		52	45	3.2		
	L		53	20			
	M		54	00	3.1		
	L		54	50			
	M		55	15	2.5		
24	e	2	08	28			
	L		16	30			
	M		20	10	0.4		
24	eP	17	43	36			
	eS		48	45			
	L		54	10			
	M		56	30			
	L		58	00			
	M		59	08			
26	eP	5	56	36			
	iS		40	36			
	L		42	36			
	M		45	00	1.3	2,489	
	L		46	06			
	M		46	42	1.0		

Sydney Observatory.
Milne Seismograph – E-W Component.
Constants B.P. = 18^s DV 1mm = 0."38

Date 1934	Phase	Time Greenwich H m s	AE mms	Δ Kms	Remarks
May 4	P	?			P & S lost in micros
	S	?			
	L	5 41 00			
	M	44 20	0.6		
5	eP	14 37 30			
	eS	41 54			
	L	44 30			
	M	46 06	0.5	2,800	
8	eP	19 25 16			
	eS	28 36			
	L	30 25			
	M	31 20	0.4	2,000	
11	e	0 21 40			
	M	25 18	0.2		
13	eP	9 08 20			
	iS	12 48			
	L	16 30			
	M	18 00	1.9		
	L	19 15			
	M	20 35	1.2	2,850	
16	e	8 28 35			
	L	31 12			
	M	32 05	0.1		

Sydney Observatory
Milne Seismograph E-W Component
Constants B.P. = 18^s D.V. 1 mm = 0".38

Date 1934	Phase	Time Greenwich H. M. S.	AE mms	Δ Kms	Remarks
June 3	e	16 24 00			
	L	25 15			
	M	26 40	0.3		
3	eP	21 15 18			
	iS	19 38			
	L	22 06			
	M	22 45	0.9	2750	
6	e	3 34 30			
	L	45 05			
	M	46 30	0.2		
9	e	13 04 24			
	eP	08 28			
	iS	12 08			
	L	13 30			
	M	15 48	4.5		
	L	16 50		2230	
	M	17 20	2.9		
	L	20 00			
	M	21 05	1.1		
12	e	20 12 40			
	L	15 50			
	M	17 00	0.1		
13	e	22 35 05			
	L	23 06 25			
	M	12 00	0.8		
Clock elapsed from June 18^d 3^h 7^m to 19^d 1^h 1^m					
27	e	18 01 00			
	L	09 06			
	M	13 00	0.7		
24	e	3 27 40			
	eP	30 18			
	eS	34 10			
	L	35 50			
	M	36 30	0.3	2.1400	
	L	38 25			
	M	39 20	0.2		
28	e	6 18 00			
	eP	25 45			
	L	35 18			
	M	36 10	0.4		
28	P	?			Plot in changing sheet
	iS	1 06 30			
	L	09 15			
	M	09 40	0.5		
	L	11 18			
	M	12 00	0.3		
	L	16 20			
	M	17 00	0.3		

(2)

Date 1934	Phase	Time Greenwich M.T.	A/E mms	Δ Kms	Remarks
June 29	eP	8 31 10			
	iS	36 28			
	L	40 00			
	M	40 24	1·5		
	L	47 00			
	M	48 00	0·3	3,550	
	L	49 50			
	M	51 00	0·5		
30	e	12 08 06			
	L	12 15			
	M	14 00	0·4		
	L	14 55			
	M	15 30	0·4		

Sydney Observatory

Milne Seismograph - E-W Component.

Constants BP = 18^s D.V 1 mm = C." 38

Date 1934	Phase	Time Greenwich H m s	A_E mms	Δ kms	Remarks
July 4	e	13 36 30			
	L	39 18			
	M	40 35	0·2		
10	e	21 21 15			
	L	25 12			
	M	27 05	0·3		
18	e	1 53 50			
	LP	57 18			
	PR_2	2 04 20			
	iS	07 25			
	L	38 15			
	M	43 30	6·1		
	L	50 50			
	M	51 45	2·6	11,000	
	L	53 00			
	M	53 30	2·4		
	L	54 20			
	M	55 00	1·0		
18	L	5 02 03			
	M	07 10			
18	e	17 14 12			
	L	30 50			
	M	33 42	0·6		
	L	18 01 00			
	M	02 30	0·5		
	L	05 00			
	M	07 20	0·6		
	L	09 20			
	M	16 20	0·8		
18	e	19 45 38			
	LP	45 55			
	iS	50 30			
	PS	51 40			
	L	53 30			
	M_1	54 18	> 23·0		
	M_2	55 20	> 23·0		
	L	57 05			
	M	58 00	13·5	3,200	
	L	59 30			
	M	20 00 40	9·5		
	L	06 00			
	M	06 30	7·5		
	L	11 25			
	M	13 30	10·2		
19	eP	0 06 42			
	iS	12 00			
	L	16 40			
	M	17 30	2·4	3,550	
	L	20 30			
	M	21 18	2·0		
19	eP	1 40 18			
	iS	45 00			
	L	47 00			
	M	50 20	17·2	5,000	
	L	51 20			
	M	52 30	14·2		

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Sydney Observatory.
Milne Seismograph E-W Component
Constants BP = 18^s, DV 1mm = 0".38

Date 1934	Phase	Time Greenwich H m s	A_E mms	△ Kms	Remarks.
July 19	eP	5 50 20			
	eS	55 24			
	L	58 45		3350	
	M	6 00 40	2.5		
19	eP	7 42 05			
	eS	46 28			
	L	47 48			
	M	48 40	2.5		
	L	49 15			
	M	49 50	3.5		
	L	51 20			
	M	52 15	3.0		
	L	53 55			
	M	54 50	4.0		
20	e	3 57 00			
	L	4 02 48			
	M	04 00	0.2		
20	L	16 58 25			
	M	59 12	0.2		
	L	17 02 00			
	M	02 35	0.2		
20	eP	18 15 42			
	eS	20 50			
	L	25 25		3,400	
	M	28 25	0.6		
20	P	?			
	S	?			P?S both on Micros.
	L	18 59 20			
	M	19 00 35	0.9		
	L	03 10			
	M	04 40	1.0		
	L	06 32			
	M	07 20	1.0		
	L	08 55			
	M	09 20	0.7		
21	eP	6 23 37			
	eS	27 12			
	L	28 45			
	M	30 00	5.7		
	L	30 30			
	M	31 00	8.1		
	L	32 00	31 30 10.8		
	M	32 36		2,200	
	L	33 00	7.0		
	M	33 40			
	L				
	M	34 30	8.5		
	L	35 30			
	M	36 00	11.8		
21	iP	11 10 00			P doubtful micros precede.
	eS	20 35		9,600?	
	L	40 40			
	M	47 00	3.2		
22	eP	3 02 54			
	eS	08 05			
	L	12 00		3,450	
	M	14 30	1.0		

(3)

Sydney Observatory.

Milne seismograph, E-W Component.

Constants: B.P = 18^s DV. 1 mm = 0".38

Date 1934	Phase	Time Greenwich H M S	A_E mms	Δ Kms	Remarks.
July 27	eP	12 35 06			
	eS	38 00			
	L	39 45		1730	
	M	41 18	0.5		
28	L	22 27 40			
	M	31 12	0.4		
	L	35 45			
	M	37 30	0.2		
	L	39 36			
	M	42 30	0.4		
	L	45 30			
	M	47 15	0.2		

Sydney Observatory

Milne Seismograph, E–W Component

Constants B.P = 18^s, D.V. 1 mm = 0".38

Date 1934	Phase	Time Greenwich H m s	A_E mms	Δ kms	Remarks
Aug 2	e	3 08 33			
	L	12 45			
	M	14 00	0.2		
2	e	7 09 33			
	L	12 24			
	M	13 05	0.8		
4	eP	13 18 06			P² preceded by micros.
	eS	22 40			
	L	24 45		2930	
	M	26 00	1.2		
	L	26 50			
	M	28 30	1.5		
7	eP	3 45 35			
	eS	49 36			
	L	51 45			
	M	56 00	8.1		
	L	4 04 00		2500	
	M	05 33	1.0		
	L	08 53			
	M	10 40	1.3		
9	e	13 24 18			
	L	30 00			
	M	31 00	0.3		
9	e	20 44 35			
	L	48 18			
	M	51 30	0.6		
	L	21 07 00			
	M	12 30	0.5		
11	e	8 37 30			
	L	55 48			
	M	59 00	0.2		
11	eP	12 06 50			
	eS	10 30			
	L	12 02			
	M	13 00	1.4	2230	
	L	14 30			
	M	15 00	1.4		
	L	16 55			
	M	17 50	1.2		
12	e	7 12 27			
	L	16 54			
	M	17 40	0.2		
12	e	13 53 00			
	L	58 24			
	M	14 00 30	0.3		
13	e	10 50 57			
	eP	53 18			
	L	56 24			
	M	57 18	0.5		
21	eP	20 00 00			
	L	05 54			P preceded by micros.
	M	07 15	0.4		

(2)

Sydney Observatory.

Milne Seismograph. E-W Component.

Constants B.P = 18^s D.V. 1 mm = 0."38

Date 1934	Phase	Time Greenwich h m s	A_E mms	Δ Kms	Remarks.
Aug 23	eP	23 37 25			
	iS	41 18			
	L	44 50			
	M	46 30	0.9	2400	
	L	59 18			
	M	00 01 00	0.7		
	L	05 20			
	M	06 15	0.5		
30	e	22 16 35			
	L	21 18			
	M	22 45	0.4		

Sydney Observatory

Milne Seismograph - E-W Component

Constants B.P = 18^s D.V 1 mm = 0".38

Date 1934	Phase	Time Greenwich H m s	A_E mms	Δ kms	Remarks.
Sept. 4	eP	16 38 58			
	eS	43 05			
	L	46 00		2,580	
	M	47 12	1·6		
8	eP	11 26 00			
	eS	31 00			
	SR	32 28		3,450	
	L	34 18			
	M	35 10	0·5		
21	P	?			P & S masked in Micros.
	S	?			
	L	6 07 00			
	M	09 36	0,5		
	L	12 50			
	M	13 45	0·3		
23	eP	8 04 35			
	eS	09 18		3,060	
	L	12 40			
	M	14 28	1·1		
25	eP	19 24 35			
	eS	27 48			
	L	29 45		1930	
	M	30 10	0·4		
	L	32 30			
	M	33 10	0·3		

Sydney Observatory

Milne Seismograph E-W Component.

Constants. BP = 18^s D.V. 1mm = 0"38

Date 1934	Phase	Time Greenwich H M S	A E mm	Δ kms	Remarks
Oct 5	e	21 06 45			
	L	34 00			
	M	36 08	1.0		
10	eP	15 46 50			
	iS	49 45			
	L	51 24			
	M	52 10	0.9		
	L	55 00			
	M	57 00	0.9	1750	
	L	16 00 48			
	M	02 45	1.0		
18	e	7 52 30			
	iP	54 07			
	iS	59 00			
	L	8 04 00			
	M	05 00	1.5		
	L	06 05			
	M	07 10	1.5	4,780	
	L	09 40			
	M	10 15	1.2		
24	e	4 33 40			
	L	40 24			
	M	42 00	0.1		
24	e	6 24 10			
	L	28 00			
	M	29 30	0.2		
26	eP	14 51 00			
	iS	57 00			
	L	59 18		4,250	
	M	15 00 00	0.5		
	L	04 35			
	M	06 30	0.3		
26	eP	17 30 30			
	iS	37 50			
	L	45 00			
	M	46 00	0.5	5,710	
	L	47 05			
	M	47 36	0.5		
27	e	10 14 55			
	L	27 36			
	M	31 30	0.8		

Note :-
Record lost Oct 4^d 3^h 31^m to 5^d 0^h 34^m.

Sydney Observatory, N. S. W.
Milne Seismograph E-W Component
Constants BP = 18^s D.V 1 mm = 0".36

Date 1934	Phase	Time Greenwich H M S	A_E mms	Δ Kms	Remarks.
Nov 4	eP	1 59 00			
	cS	2 03 20			
	L	05 05			
	M	07 15	6.0	2,740	
	L	09 30			
	M	10 12	2.5		
4	eP	3 19 25			
	cS	23 45			
	L	25 30		2,740	
	M	27 40	7.2		
	L	30 18			
	M	31 00	2.4		
16	e	12 18 20			
	L	22 00			
	M	23 00	0.4		
	L	25 24			
	M	26 00	0.4		
16	eP	13 51 00			
	cS	56 12			
	SR,	57 55		3,470	
	L	59 24			
	M	14 00 42	2.7		
	L	02 30			
	M	02 54	2.9		
18	e	21 57 56			
	L	59 18			
	M	59 57	0.6		Local - Gunning N.S.W
18	eP	22 43 55			
	eS	50 15			
	L	55 00			
	M	56 00	1.0		
	L	56 30		4600	
	M	57 00	1.0		
	L	58 40			
	M	59 30	0.9		
21	e	12 16 00			
	L	20 12			
	M	22 00	0.2		
24	eP	12 40 00			
	cS	43 28		2,100	
	L	46 00			
	M	47 00	2.0		
25	e	0 22 06			
	L	35 15			
	M	36 20	0.2		
26	e	8 42 40			
	L	44 48			
	M	46 00	0.3		
26	e	12 19 30			
	L	26 40			
	M	27 36	0.2		
	L	37 36			
	M	38 30	0.3		
	L	44 30			
	M	45 00	0.2		

Sydney Observatory, N. S. Wales

Milne Seismograph - E-W Component

Constants B.P = 18^s DV 1 mm = 0"36.

(2)

Date 1934	Phase	Time Greenwich H M S	A_E mms	Δ Kms.	Remarks.
Nov 27	eP	6 22 00			
	iS	28 25			
	SR,	31 50			
	L	36 18			
	M	36 36	1·2	4,700	
	L	41 00			
	M	41 30	1·0		
	L	43 00			
	M	43 30	1·1		
30	P	?			P lost in Micros
	iS	2 59 48			
	L	3 03 33			
	M	06 00	2·7		