

PERTH, WESTERN AUSTRALIA.

Missing  
MPT

SEISMOLOGIC STATION, PERTH OBSERVATORY



$\phi = 31^{\circ} 57' 9''.0$  S.  $\lambda = 115^{\circ} 50' 21''.5$  E. Height = 182 ft.

Instruments mounted on cement piers sunk one foot in solid, dense sand resting on limestone rock which must be 50 to 100 feet or more below the surface.

TIME : Mean Greenwich, midnight to midnight.

TIME CORRECTION : Within .50 sec.

INSTRUMENTS—FIXED CONSTANTS.

INSTRUMENT.	SYMBOL.	REGISTRATION.	DAMPING.	PAPER SPEED.	MASS.
Milne ... ..	34	Photographic	...	8 mm per min.	
Milne-Shaw ... ..	27	Photographic	Magnetic	8 mm per min.	1 lb.

INSTRUMENTS—DETERMINED CONSTANTS.

INSTRUMENT.	T.	r.	V.	COMP.	l.	DETERMINED.
34	16			E.W	1.0"=1.72mm	Sept. 11. 24.
27	12	20 to 1	250	M.S.	1.0"=45mm	May 18. 25.

From January 1st to January 25th No. 1.

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
			h. m. s.	s.	$\mu$	$\mu$		
	1926.							Distinct Off-set.
27	1. Jan 5	P PR1 S SR1 L M1 2	7-47-12 7-48-35 7-52-35 7-54-00 7-55-15 7-55-35 7-55-55	20 20		.66 .80	3400	Well Defined
27	2. 18	Ca Ca	17-09-00 17-25-00	to				
27	3. 18	P PR1 2 S L D01 M1	21-15-04 21-16- 21-1 21- 21- 21- 21-					

RIPED

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From January 25th. to February 12th.

No. 2.

No.	DATE. 1926	PHASE.	TIME. G M Y	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE. μ	AN. μ		
27	Jan 26		13-21-00					Slight Tremor Duration ca. 39 min
27	26	P	7-15-35				5850	L-S 5800 KM
		PR1	7-17-25					
		S1	7-22-00					L-P 5500 KM
		2	7-22-37					
		SR2	7-27-40					
		L	7-31-00					
		M1	7-31-55	15		1.71		
		2	7-32-12	15		2.11		
		F After	9-00-00					
27	29	P	2-45-55					Slight Movement.
		PR2	2-47-48					
		S	2-51-07					
		L1	2-55-35					
		DO	2-57-18					
		M1	2-57-37	13		.46		
		F ca	3-20-00					
27	29	Slight Tremor lasting approx. 20 minutes Commencing 5-19-50						
27	Feb. 3	Earth-quake movement recorded but impossible to decipher owing to over-lapping of trace.						
27	7	P ca	2-50-50					Slight Movement
		S	2-57-45					
		SR1	3-01-30					
		L	3-05-00					
		M1	3-08-05	12		.74		
		2	3-09-12	12		.81		
		3	3-11-05	12		.92		
		F	Unknown					
27	7	Slight Tremor recorded, but impossible to pick out any phases owing to microclians.						
27	8	Continuous Tremors Commencing ca 15-32-00 Finishing ca 18-00-00						
27	12	Slight Tremor recorded at ca 8-08-00						

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From February 17th to March 18th

No. 3

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
			h. m. s.	s.	$\mu$	$\mu$	km.	
27	1926 Feb 13							No distinct phases
27	15							Continuous tremors recorded between ca 3-19-00 and 5-4-00
27	16							Slight tremor recorded between ca 8-21-00 and ca 8-38-00
27	17	Mar 4					5340	Well recorded
			P	9-37-45				
			PH1	9-40-05				
			S	9-44-12				
			SR2	9-48-40				
			L	9-51-35				
			M1	9-55-25	12	1.1		
			BO1	9-48-57				
			2	9-50-05				
			3	9-51-15				
			4	9-55-20				
			P ca	11-00-00				
								Note:- DO = Distinct Offset.
27	18							Slight tremor recorded between ca 4-14-00 and 4-29-00
27	19							Long continuous tremor, but no phases discernable between ca 21-24-00 and ca 28-41-00
								Max. Amplitude = .34 cms With period 10 secs.
27	20							Tremor of small amplitude was recorded but owing to excessive microseisms no phases could be recognized. Times very approx.
								Occured between 14-43-00 and 15-43-00.

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From March 18th to April 7

No. 4

No.	DATE.	PHASE.	TIME.			PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
			h.	m.	s.		AE.	AN.		
	1926									
27	21	Mar 18	P	18-09-00				5100	Owing to various BC's phases very difficult to classify	
			BC1	-						
			SP	18-14-55						
			SH1	18-18-05						
			2	18-19-45						
			L	18-23-00						
			M1	18-25-15	10		1.6			
			F ca	18-24-00						
			BC1	18-09-40						
			2	18-10-20						
			3	18-11-45						
27	22	21		Slight tremor occurred Max. between 12-27-55 and 12-28-55 Amplitude .4 cms with period of 12 secs.						
27	23	21	P	14-32-00					Well defined Quake	
			S	14-42-50						
			SH1	14-47-20						
			L	14-58-27						
			M1	15-04-25	20		.98			
			BC1	14-41-55						
			2	14-44-07						
			F ca	15-48-00						
24	24	22	Milne-Shaw instrument over-lapped making it impossible to pick out any phases Phases given by Milne Seismograph							
			P ca	18-34-30						
			S	18-43-00						
			L	18-54-24						
			F ca	18-00-00						
			M1	18-57-24	12		.25			
27	25	25	Slight tremor recorded between ca 18-00-00 and 20-00-00.							
27	26	27	A large earth-quake was recorded on the Milne-Shaw Seismograph Phases could not be measured owing overlapping of the trace. Long wave max amplitude 8.86 cms period 10 secs.							
24	26	27	P	10-57-00						
			S	11-03-35						
			L	11-10-25						
			F ca	11-00-00						
			SH1 ?	11-07-00						
			M1	11-27-55			.88			
27	27	April 7	Slight movement recorded between 14-45-00 and 15-11-00 Times approx.							

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From..... to.....

No. 5

April 8th

April 30th

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.	
					AE.	AN.			
	1926		h. m. s.	s.	$\mu$	$\mu$	km.		
27	28	April 8	P	-		cms		excessive vibrations recorded due to wind pressure on building over cellar.	
34			S ca	10-34-35					
34			L ca	10-45-15					
			F	-					
			M 1	-		.62			
-----									
27	29	12	P	4-41-20				Trace cramped making it difficult to pick out phases	
			PR 1	4-53-20					
			2	4-43-55					
			S 1 ?	4-48-30					
			2 ?	4-49-05					
			3 ?	4-49-27					
			SR 1	4-52-20					
			2	4-53-00					
			L	4-46-10					
			M 1	*	12	3.8			
			2	*	"	4.5			
			3	*	13	3.6			
			4	*	"	8.4			
			5	*	14	8.4			
			6	*	14	9.43			
			7	*	14	9.12			
			8	*	15	6.75			
			F	*					
-----									
27	30	15	Slight movement recorded at ca 00-00-00, but owing to failure of minute and hourly breaks it is impossible to measure time exactly.						
			Amplitude of swing .57 cms.						
-----									

Note amplitude of long waves  
\* Time unobtainable

PERTH, WESTERN AUSTRALIA.

W. G. S. VEY  
L. & A.  
DEC 8 1926  
AUS. No.

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From June 1st 1926 to June 29th

No. 6



No.	DATE.	PHASE.	TIME. GMT	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.		
					AE.	AN.				
			h. m. s.	s.	μ	μ	km.			
27	31	June 3	P PR1 PR2 PR3 S1 S2 SR1 caL1 M1 ca 2 ca 3 ca F ca	4-54-55 4-57-30 4-58-10 50 5-03-00 30 5-07-38 5-12-30 10 10 10		cms.	6600	ca 4100 miles		
27	32	24	P S L M1 F ca	21-23-00 21-26-35 21-27-25 21-32-42				Well defined Phases. 1.5		
27	33	27	P ca SP ? S ? L ?	- 20-10-55 20-11-30 20-16-00		max .7		Local movement makes P hard to identify		
27	34	28	P1 2 S SR1 L M1 2 3 4 5 F	3-31-00 52 3-35-42 3-36-32 3-37-44 3-40-30 3-41-20 3-42-00 45 3-47-00 5-27000	12	3.14 2.83 2.2 3.43 3.00		Earth-quake Sumatra.		
27	35	28	Movement recorded with max. amplitude of .67 cms Commenced at 6-28-00							
			DO1 2 L ? L ? F ca	6-30-00 6-32-30 6-33-22 6-35-00 6-27-00-00				DO = Distinct Off-set ) "L" Type of movement. ) 7-30-00		
27	36	29	P S L M1 2 F ca	15-30-20 15-37-00 15-45-00 45 15-46-40 17-00-00		1-84 1-07				

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From... JUNE 29th 1926 ..... to ..... July 31st 1926 .....

No. ....

	No.	DATE. 1926	PHASE.	TIME. G M T			PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
				h.	m.	s.		AE. μ	AN. μ		
27	37	July 1	P	13	15	45				Quake in Sumatra Distinct phases	
			S1	13	20	33					
			2	13	20	00					
			L	13	22	20					
			M1	13	23	50	10	2.69			
			2	13	25	00	10	3.74			
			3	13	26	45	10	6.14			
			F ca	15	30	00					
27	38	3	P	10	57	55				Local movement superimposed on tremor movement	
			PR1	10	58	55					
			SRY	11	02	35					
			SRI	11	03	12					
			L	11	04	45					
			M1 ca	11	06	45	10	2.35			
			2	11	07	20	10	1.64			
			F ca	12	00	00					
27	39	16	P	2	13	54					
			SP	2	20	00					
			S			30					
			SRI	2	22	24					
			2			45					
			L1	2	25	30					
			2			55					
			3	2	26	05					
			M1	2	27	25	10	.9			
			2	2	29	10	10	2.57			
			3	2	29	30	10	1.58			
			4	2	30	00	10	1.60			
			F ca	2	20	00					
27	40	25	P1	4	58	52				Small movement	
			PR1	4	59	29					
			SP	5	02	40					
			L1	5	04	45					
			2	5	05	05					
			M			?		.6			
27	41	28	P	9	07	20				Local movement excessive.	
			S	9	12	30					
			L1	9	16	00					
			2	9	17	22					
			M1	9	23	30					
			2			15					
			F ca	10	30	00					

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From AUG 1st 1926 to Sept 2 - 1926 No. 8

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1926		h m. s.	s.	$\mu$	$\mu$	km.	
42	AUG 2		5-30-00	08	to 6-00-00			Tremor movement recorded.
43	3		3-42-00	09	to 4-30-00			Continuous tremor
44	3	P	10-38-20					Well defined trace
		PRI	10-39-00					
		S	10-39-25					
		S	10-39-40					
		SP	10-43-22					
		S	10-44-00					
		SR	10-47-04					
		L	10-48-55					
		M1	10-50-50			1.69		
		S	10-52-08			1.63		
		S	10-52-30			1.63		
		P	12-00-00					
45	9	P7	14-05-40					
		S7	14-10-20					
		L7	14-14-00					
		L	30					
		M1	14-14-30	7		1.75		
		S	48	7		2.01		
		S	14-15+00	7		1.69		
		P	15-25-00					
46	25	P	about 5-05-00					Earthquake recorded : lasting about 3 hrs. Trace obliterated in error
47	26							Slight tremor movement at 08 7-10-00 finish at 7-30-00
48	Sept 2	DO1	1-28-45					L end not movement missed through changing about
		P 7	1-30-30					
		DO2	1-31-35					
		S	1-37-24					
		S	1-37-30					
		P	3-40-00					
49		P7	1-30-30					
		S	1-37-30					
		L	1-45-00					



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From.....Sept 2 1926.....to.....Sept 29<sup>th</sup>.....

No.....9.....

No.	DATE. 1926	PHASE.	TIME. G M T h. m. s.	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE. μ	AN. μ		
27	Sept 4							Slight movement recorded at 16-00-00
	9							Slight tremor movement recorded between 18-47-00 and 19-20-00
34	6							A movement was recorded at 14-38-00 ca Max amplitude 0.92 cms
34	7	P	8-30-24					This quake occurred in New Guinea  Note amplitude of "S" offset
		PR	8-32-07					
		S	8-36-10			3 cms		
		L	8-40-16					
		M1	8-43-10			5.15		
		2	8-43-50			6.52		
		3	8-44-55			6.14		
		4	8-45-30			6.35		
		5	8-46-30			6.01		
		F ca	10-30-00					
27	10	P	10-38-30					Largest movement recorded to date
		S	10-45-40					
		L	?					
		ca M1	10-45-05			7.25		
		2	10-46-00			6.35		
		3	45			6.10		
		4	50			6.88		
		5	10-48-50			7.8		
		6	10-49-10			8.84		
		7	10-51-00			7.7		
		8	11-03-45			6.6		
		9	11-04-25			7.4		
		F ca	14-00-00					
	15	P	11-45-30					
		D01	11-47-50					
		S1	11-49-40 ? or L					
		2	11-50-20					
		M	11-56-00			1.4		
53	15	P probably at	12-08-30					The commencement of this movement had superimposed upon it, the end of quake 52
		D0	12-15-05 ?					
		L	55					
		F	13-00-00 approx.					
54	15	S	2-11-00					Impossible to determine phases owing to trace having overlapped.
55	28							
56	29							Tremor movement recorded between 22-30-00 and 23-00-00 max ampt. 0.59 cms

D0 = Distinct Offset

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International Seismological Centre

From OCTOBER 1st 1926

to OCTOBER 26 - 1926

No. 100

No.	DATE. 1926	PHASE.	TIME. GMT	PERIOD. Secs	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE.	CM		
57	Oct 1	P ca	2h-31-00.	s.	μ	μ	km.	Tremor movement
		M1	40-00			.7		
		2	42-40			.75		
		3	46-30			.55		
		4	49-20			.7		
		P ca	23-12-00					
58	3	P ?	19-45-45					
		P ?	45-30					
		P ?	45-48					
		S	51-24					
		L	54-10					
		Heavy max movement of "L" waves from 19-54-30 to 20-11-00 also from 20-17-00 20-34-00						
		Amplitude of max waves repeatedly reached 8cms						
		P ca	22-00-00					
59	13	P ca	19-33-00					Times very approx. plus/minus 60"
		DG1	43-10					owing to failure of time indist/in light shutter.
		SP	44-40					
		S	45-25					
		SE1	53-05					
		2	58-25					
		L?	20-09-50					Long drawn out movement with period of 11-00 20-40 sec for long waves though max movement does not exceed .4 cms.
		L?						
		P ca	22-00-00					
60	25	A very slight tremor movement recorded between 8-30-00 and 9-0-00 18-20-00 19-0-00						
61	26	Sheet put on at 1-50-00. Large EQ commenced about 30 minutes later Continuous movement until 8-30-00 Max amplitude 11cms						
		At least three large quakes were recorded during this time but the amount of movement makes it impossible to determine any of the phases The sheet has been forwarded to the British Association Seismological Committee for a more minute examination.						
62	26	P ?	8-49-00					EQ
		DG1	50-05					
		S	58-25					
		L	54-35					
		M	-			5 cms		
		P ca	10-00-00					

SEISMOLOGIC STATION, PERTH OBSERVATORY.

From October 25th to October 27th

No. 11558  
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No.	DATE. 1926	PHASE.	TIME. G M T h. m. s.	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE. μ	AN. μ		
63	Oct 26	P ?	14-36-46					E. Q.
		DO 1	38-45					
		2	42-35					
		3	42-55					
		4	43-00					
		5	46-40					
		6	46-55					
		L ?	47-15					
		L ?	48-00					
		M 1	50-15			3.3		
		2	50-41			3.2		
		3	51-10			4.5		
		4	52-50			3.2		
		5	53-00			4.55		
F ca	16-00-00							
-----								
64	26/27	P ?	23-56-00					Slight earthquake
		S ?	00-01-00					
		DO 1	3-00					
		2	3-15					
		3	3-35					
		F ca	30-00					
M1	04-35			.85				
-----								
65	27	P	Lost by hour break					Heavy tremor
		DO 1	1-05-10					
		2	1-10-40					
F	Lost by changing sheet.							
-----								
66	27	Heavy tremor recorded between 4-40-00 & 5-16-00						
-----								
67	27	P ?	5-07-35					Phases uncertain owing to the end of tremor 66 being superimposed.
		S	5-11-45					
		DO 1	15-40					
		2	15-55					
		3	16-55					
		4	11-45					
		5	18-20					
		M1	19-50			1.15		
2	23-00			1.72				
F ca	6-15-00							
-----								
68	27	Heavy tremor recorded between ca 935-00 & 10-10-00						
-----								
69	27	Heavy tremor recorded between ca 20-12-00 & ca 20-40-00						

DO = Distinct Offset.

PERTH, WESTERN AUSTRALIA.

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From October 27th 1926 to November 7th 1926

No. 76-77

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
			h. m. s.	s.	$\mu$	$\mu$	km.	
76	Oct 27	P S 7 ca DC 1 2 M1 P	- 1-19-30 1-20-50 1-24-50 1-28-00 2-00-00			2.05		E. Q.
77	30	Slight continuous tremor recorded between 10-19-00 and 11-00-00						
78	30	Slight tremor recorded between 12-58-00 & 14-24-00						
79		Heavy tremor between 14-49-00 & 15-15-00 max amplitude .28 cms						
74	Nov 2	P e S e SR e L e P ca	16-16-55 16-21-00 - 16-24-30 17-00-00			.6 cms		E. Q.
75	5	Heavy continuous tremors between 8-00-00 & 10-30-00 ca						
76	6	P ? P ? S L ? L ? DC 1 P	9-35-55 34-40 38-40 42-14 42-32 44-00 Lost in primary movement of E. Q. 77.					
77	6	PR S L P	10 07-25 12-12-05 10-17-20 Best in primary movement of E. Q. 78					
	6	A movement recorded. No phases discernible P ca = 11-30-00						
	7	S e SR e DC 1 2 L M1 2 P ca	16-16-27 16-18-00 16-19-02 16-20-00 16-21-15 16-21-35 24-25 17-00-00			1.83 2.28		E. Q.

PERTH, WESTERN AUSTRALIA.

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From.....November 7.....1926.....to.....December 31st 1926..... ~~Nov~~ 13.

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1926		G M T h. m. s.	s.	$\mu$	cms $\mu$	km.	
80	Nov 27							Tremor recorded between 5-30-00 & 6-30-00 ca
81	Dec 2							Slight movement recorded between 8-25-00 & 9-15-00 max amp .28 cms period 15 secs
82	3							Slight movement recorded between 23-07-00 & 23-14-00
83	4							Tremor movement recorded between 0-01-00 & 00-17-00 max amp .5 cms.
84	11	P ca	17-38-00					Max amp .25 cm
		S e	44-05					
		SR	45-30	or 17-45-50				
		L e	48-10					
		F ca	18-25-00					
85	12							Tremor movement recorded at 1-52-00 to 3-13-00 ca.
86	14	P 1	17-14-40					Phases very sharply defined
		S 1	17-17-52					
		L	17-19-40					
		M 1	17-20-20			6.2		
		2	35			7.7		
		3	21-20			7.75		
		4	50			7.68		
		5	22-23			7.34		
		6	50			8.16		
		F ca	18-30-00					
87	25	P1 ?	6-51-00					
		S1	6-56-47					
		SR	6-58-20					
		L1	7-03-21					
		2	7-04-00					
		M1	45			4.15		
		2	05-00			4.10		
		3	20			6.2		
		4	08-00			3.68		
		F ca	8-30-00					
88	25	P	15-48-35					Distinct EQ Phases not definite.
		Do1	52-05					
		Do2	55-10					
		F ca	16-28-00					

Do = Distinct offset.