

PERTH, WESTERN AUSTRALIA. 1929

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	16-00			W-E	1" = 1.72 mm	Sept 24
27	12-00	20 to 1	250	N-S	1" = 45 mm	18 May 25

From.....January 1 1929.....to.....January 31 1929 No.....ONE.....

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1929		h. m. s.	s.	$\mu$	$\mu$	km.	
27	1	Jan 1	i P	12-52-00 13-00-00				
27	2	13	P	00-15-55				
			S1	00-26-05				
			2	26-35				
			3	27-30				
			SR1	32-50				
			L	45-20				
			ca F	03-00-00				
27	3	16	e P	8-14-40				
			e S	8-21-25				
			e S	21-50				
			ca F	9-15-00				
27		17	Spring of driving clock broke at ca 9-00-00 Seismograph in operation again at 6-36-00 Jan. 22nd.					
27	4	24	e P	20-57-00	Impossible to mark any definite phases Distant E.Q. movement.			
			ca F	23-10-00				
27	5	25	? P	2-09-00				
			S	2-17-00				
			L	2-26-50				
			ca F	3-00-00				
27	6	30	e P ca	17-00-00				
			S	17-06-30				
			L	17-12-50				

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From..... February 1 1929..... to..... March..... 8th..... 1929..... No..... TWO.....

No.	DATE. 1929	PHASE.	TIME. G.M.T.	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE. μ	AN. μ		
27	7		h. m. s. -					
		B ?						
		S ?	17-26-25					
		L	17-36-10					
		F ca	19-00-00					
27	8							
		e P	00-23-00					Continuous earth tremor.
		ca F	4-10-00					
27	9							
		ca P	16-53-00					Small Irregular Seismic movement
		ca F	17-30-00					
27	10							
		ca P	17-23-00					Very Small movement.
			17-43-00					
27	11							
		ca P	5-49-00					
		ca F	6-30-00					
27	12							
		ca P	12-47-00					
		F	13-05-00					
27	13							
		ca P	20-00-00					
		F	20-45-00					
27	14							
		e P	21-04-50					
		ca F	21-20-00					
27	15							
		ca P	21-20-00					
		F	22-10-00					
27	16							
		ca P	21-02-00	period 15 secs				Continuous movement.
		F	23-04-00					
27	17							
		e P	00-20-00					
		ca F	1-00-00					
27	18							
		ca P	16-38-00					
		F	16-49-00					
27	19							
		ca P	15-06-00					Small Movement only
		E	15-18-00					
27	20							
		i P	1-49-00					
			1-52-45					
		i S	2-7 -40					
		S	2-08-50					
		L	2-29-41					
		M1	2-35-50					
		2	2-41-00					
		3	2-47-40					
27	21							
		ca F	5-20-00					
27	21							
		ca P	11-18-30					Tremor.
		ca F	12-16-00					
27	22							
		ca P	11-07-00					Small Movement.
		F	12-00-00					

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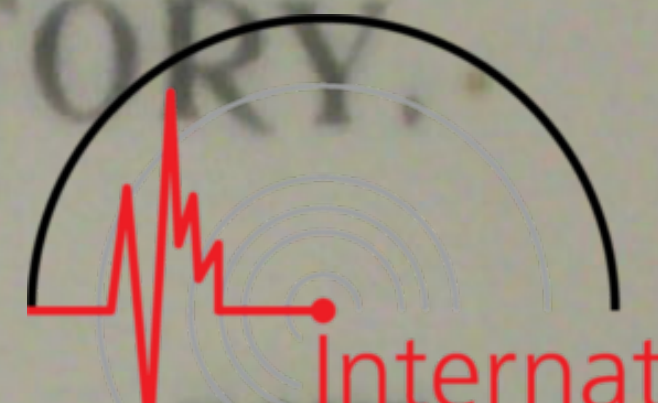
From March 8th 1929 to March 31st 1929

No. THREE

	No.	DATE. 1929	PHASE.	TIME. G.M.T. h. m. s.	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
						AE. μ	AN. μ		
27	23	Mar 9	i	2-30-30 3-00-00					
27	24	9	e P e S e L M1 2 3 ca F	10-58-55 11-05-40 11-09-00 11-14-00 11-19-00 11-20-00 14-00-00				E.Q. Reported in New Zealand.	
27	25	10	i P i ca F	14-44-25 14-52-11 15-24-00					
		14	Shutter Box out of position at 8-40-00						
27	26	15	? P i ca F	12-57-00 12-59-00 13-07-00					
27	27	16	P i	6-15-30 6-25-20 7-00-00					
27	28	18	e P S L M1 2 ca F	1-56-20 1-37-00 2-04-20 2-06-10 2-07-20 2-42-00					
27	29	19	ca P ca F	22-03-00 22-36-00					
27	30	22	ca P F	23-51-00 4-47-00					
27	31	23	P PR IS iL ca F	- 20-06-40 20-12-00 20-18-00 21-20-00					
27	32	24	ca P ca F	5-53-00 6-30-00					
27	33	26	ca P	10-50-00 11-30-00					
27	34	28	ca P	20-30-00 21-00-00					Continuous movement
27	35	31	P S <sub>6</sub> L M1 ca F	- 5-38-25 5-46-15 5-47-30 6-40-00					

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From March 31 st 1929 to May 6th 1929.

No. 1000

	No.	DATE.	PHASE.	TIME. G.M.T	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
						AE. μ	AN. μ		
27	36	April 8	? P i c P	h. m. s. 10-26-00 10-29-15 11-00-00					
27	37	" 8	e P c P	18-11-00 18-23-00					
27	38	" 8	e P c P	4-08-00 4-37-00					
27	39	" 13	? i c P	7-07-00 7-43-00					
27	40	" 13	e P i c P	13-01-25 13-03-45 14-00-00					
27	40	13	e P S e L c P	9-28-00 9-33-20 9-33-40 9-36-20 10-10-00					
27	42	13	e P i	21-17-00 22-10-00					
27	43	15	c P F	1-42-00 While changing sheet.					
27	44	15	? c P F	16-30-00 17-12-00					
27	45	27	e P S L V c P	21-19-40 21-23-20 21-24-25 21-25-25 22-17-00					
27	46	28	c P F	14-47-00 15-20-00					Tremors.
27	47	May 1	e P i S i S i SR L c P	15-52-00 16-01-50 16-02-15 16-08-00 16-15-05 18-30-00					Tremor also at 8-00-00 to 9-30-00
27	48	" 5	c P c P	17-15-00 17-28-00					
27	49	" 6	e P S1 2 L M1 c P	5-15-00 5-19-55 5-20-30 5-25-10 5-27-20 6-33-00					

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From May 31st 1929

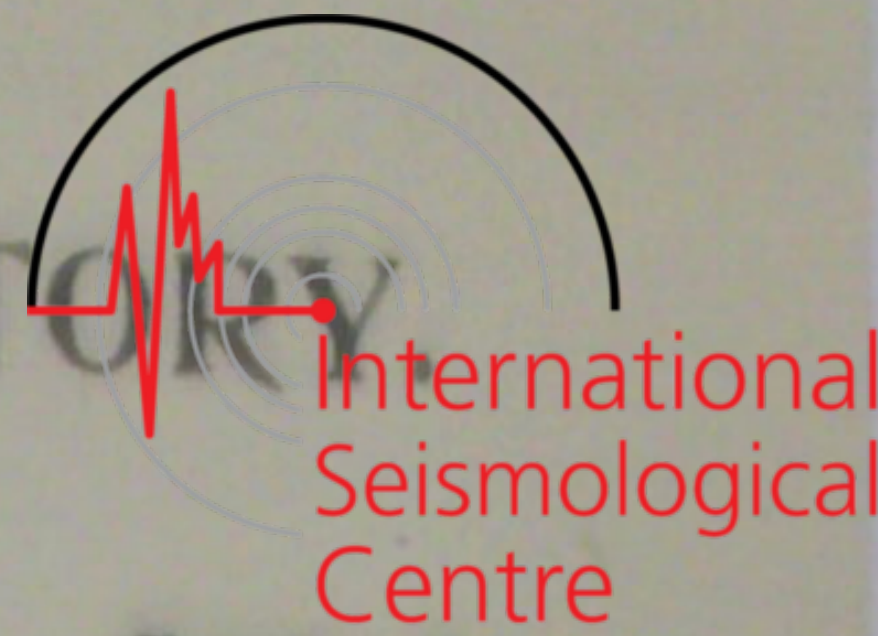
to June 1929.

No. SIX

No.	DATE. 1929	PHASE.	TIME. G.M.T.	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE. μ	AN. μ		
27	58	June 4	? P 15-22-00 1 S 15-28-25 ca F 16-00-00					
27	59	6	ca P 15-56-00 S 15-04-20 ca F 16-33-00					
27	60	9	1P 9-30-00 ca F 10-30-00					Tremor movements.
27	61	12	PR 11-51-35 1 S 11-56-00 SR1 11-58-35 2 11-59-p0 L 12-02-05 M1 12-03-55 2 12-05-00 3 12-07-00					
27	62	17	P 9-32-25 P 9-32-30 c 9-34-45 S1 9-38-30 2 9-39-30 L 9-43-45 ca F 11-45-00					
27	63		ca F 12-01-40					
27	64	13	-P 23-08-30 -P 23-08-50 1S 23-14-40 ca F 00-30-00					
27	65	16	P 22-56-00 PR 22-57-35 S 23-02-53 L -					Long- Earth Quake in New Zealand
		17	ca F 4-20-00					continuous for 1 hour
27	66	19	F - S 7-04-55 ca F 8-30-00					
27	67	18	ca F 12-12-00 P 12-25-00					

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY



From June 20th 1929

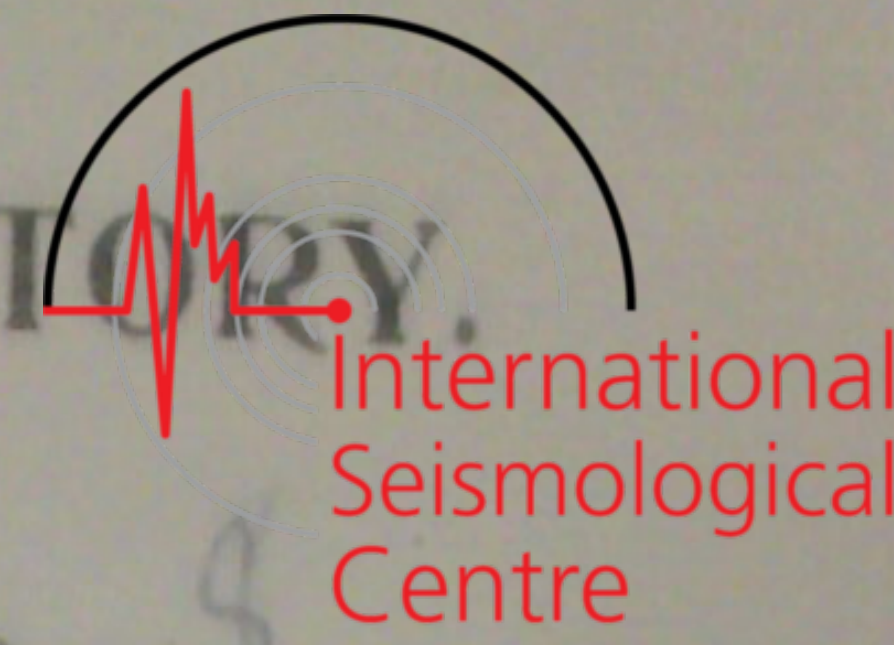
to Aug 16th 1929

No. 5078

No.	DATE. 1929	PHASE.	TIME. GMT.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
			h. m. s.	s.	μ	μ	km.	
27	68	Jun- 20	P 1S SR L	- 18-27-35 18-31-40 18-34-00				
27	69	22	P S SR L c F	15-45-10 15-50-00 15-54-30 17-00-00				Also small tremor recorded at 18-55-00 to 20-00-00.
27	70	23	P c F c	21-56-00 23-00-00				
27	71	27	1P PR S SR SR1 L	13-00-00 13-03-95 13-10-30 13-16-50 13-20-45 13-28-55				Cabled to B.A.S. Committee S-P 630 s.c.s. 274/51300/00630.
27	72	29	P S SR1 L c F	2-50-00 2-59-00 3-03-45 3-11-00 3-40-00				
27	73	July 4	c P c F	10-00-00 10-10-00				Small movements,
27	74	5	c P c F	14-42-00 17-40-00				Continuous movements
27	75	5/6	c P	23-00-00 00-30-00				Tremors.
27	76	6	c P	11-00-00 12-00-00				Small movements.
27	77	7	P S L c F	21-37-25 21-47-45 21-55-40 00-30-00				
27	78	13	i i i i c F	15-04-05 15-06-45 15-10-30 15-12-00 16-00-00				
27	79	14	c P	9-46-00				Tremor movements.
27	80	Aug 5	c P F	16-20-45 17-00-00				
27	81	16	1 P 1 S c L F	21-32-05 34-43 36-00 22-30-00				E.Q. felt at Broom and Port Hedland. S.S. Wind r.p. passed over spot of disturbance.

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.



From August 16 1929

to November 15th 1929

No. 8

	No.	DATE. 1929	PHASE.	TIME. GVT.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
						AE.	AN.		
				h. m. s.	s.	μ	μ	km.	
27	82	Aug 18	c P c F	8-53-00 9-30-00					
27	83	22	c P F	8-00-00 8-30-00					
27	84	Sept 1	c P F	16-20-00 17-15-00					
27	85	2	P 1 S ? L c F	- 11-26-40 11-29-85 12-50-00					
27	86	7/8	No record from 2-5-00 to 3-56-00						
27	87	17	c P F	19-45-00 22-00-00	Continuous movement.				
27	88	26	c P	8-21-00 8-35-00					
27	89	Oct 4	c P F	2-48-00 3-10-00					
27	90	7	c P c F	2-48-00 3-10-00					
27	91	8	P S SR2 L W c F	17-26-50 17-35-35 17-41-30 17-45-45 17-52-30 19-00-00					
27	92	10	c P	11-14-00 11-34-00					
27	93	14	*P M	3-37-50 3-47-50					
27	94	16	c P F	20-53-00 21-24-00					
27	95	19	i P i L c F	11-33-40 11-44-20 12-13-00 13-00-00					
27	October 31 - Nov Clock stopped - No record.								
27	96	Nov 4	c c c c P	15-51-20 15-56-00 15-57-20 16-40-00					
27	97	20	P	17-33-00					

# PERTH, WESTERN AUSTRALIA.

## SEISMOLOGIC STATION, PERTH OBSERVATORY



From November 15th 1929 to December 16th 1929. No. NINE.

No.	DATE. 1929	PHASE.	TIME. G.M.T.	PERIOD. s.	AMPLITUDE.		DISTANCE. km.	REMARKS.
					AE. μ	AN. μ		
27	97		Nov 15	P	18-39-00			
				S	18-04-00			
				S	17-06-00			
				SR1	19-09-00			
				L	19-13-35			
				M	19-15-00			
27	98	17		1 P	3-50-50			
				P	3-51-20			
				PR1	3-52-50			
				S	3-56-45			
				L c	4-00-00			
				F c	5-40-00			
27	99	18		Tremor movement		5-55-00	to 6-35-00	
				*P	20-52-10			
				PR1	20-56-45			
				2	20-59-30			
				S	21-04-06			
				L	-			
27	100	22		P	23-08-40			
				PR	23-09-45			
				S	23-14-00			
				L1	23-17-50			
				2	23-18-00			
27	101	Dec 3		c P	7-42-00			
				F	8-26-00			
27	102	6		c P	12-00-00			Tremor movements.
				F	13-00-00			
				c P	17-10-00			
				F	18-30-00			
				c P	20-41-50			
				F	22-10-00			
27	103	9		c P	6-59-30			
				S	7-04-10			
				i L	7-06-35			
				V1	7-10-50			
				c F	9-30-00			
27	104	10		c P	1-01-00			Small movements.
				F	1-25-00			
27	105	16		? P	-			
				PR	11-40-25			
				S	11-43-40			
				L	11-45-30			
				c F	12-35-00			



PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.



From.....November 16th 1929.....to.....December 31st 1929.....No. PEN.....

No.	DATE. 1929	PHASE.	TIME.			PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
			h.	m.	s.		AE.	AN.		
27	106	Dec 17	P	11-16-27						Movement of E.Q. 107 is superimposed on Earth.Q. No. 106.
27	107	17	P	11-24-40						
			S	11-30-05						
			S	11-30-35						
			L	11-38-30						
			F c	14-40-00						
27	108	20	P c	10-33-00						
			F c	11-10-00						
27	109	24	P c	4-51-00						
			F c	5-50-00						
27	110	27	i P	13-38-40						
			i	13-41-40						
			i S	13-43-40						
			i L	13-45-30						
			c F	14-28-00						
27	111	28	P ?	1-30-33						
			P ?	1-33-35						
			i	1-34-15						
			i	1-37-40						
			F c	2-35-09						
27	112	28	P ?	11-35-20						
			S	11-39-50						
			L	11-42-00						
27	114	31	P	4-18-50						
			i	4-20-25						
			S	4-22-00						
			L	4-23-10						
			F c	-						
27	115	31	P ?	3-57-40						
			L 1	4-03-40						
			2	4-04-20						
			c F	6-00-00						

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