

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.



International
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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						
27	16.00			W-E	1.0" = 1.72 mm	11 Sept 24
	18.00	20 to 1	250	N-S	1.0" = 45 mm	18 May 25
From January 1st 1927 to Jan 24 No. 1927/1						

	No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
						Ae.	An.		
		1927		h. m. s.	s.	μ	μ	km.	
27	1	Jan 12	P e) Pe) Pe) SR e SR e L e P ca	16-51-30 52-00 52 05 59-30 17-00-00 03-05 42-00					No "S" movement discernable Max .33 cms
Jan 1st Press report violent E.Q in South California. No record on Seismographs.									
		12							Press Report EQ at Manila at 8-30 Manila time.
		16							Press report further shocks to those of the 1st inst in California.
27	2	17							A slight movement recorded between 18-41-00 & 19-00-00
		24							Press report a slight EQ in Scotland.
27	3	24	P1 S e S e SR1 e SR2 e L M P ca	1-14 50. 1-21-20 ca 50 ca 28-25 ca 28-20 ca 31-55 ca 32-00 to 1-44-00 1-54-00 ca, ca.					Trace overlapped Distance approx 3200 miles. Cabled to B.A.S. Sec Com.

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.

International
Seismological
CentreFrom January 24th 1927 to January 31st 1927No. 2/1927

No.	DATE.	PHASE.	TIME.			PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
							AE.	AN.		
	1927		G M T			s.	μ	μ	km.	
27	Jan 24	HQ	movement recorded.	P lost by changing sheet at 1-57-00						
			Phases not discernable. Slight, but continuous movement until 4-30-00. (Milne Seis. only)							
5	24	HQ	Movement recorded between 6-52-00 & 7-28-00							
			No phases discernable Max amp .33 cms.							
6	25	HQ	movement recorded between 8-10-00 & 9-00-00							
			Max amp .75 cms at 8-30-00							
7	25	P	23-20-25							
		S	23-26-20							
		L	23-36-20							
		H	23-40-00							
			to 23-50-00							
										Microseisms make phases hard to discern
8	26		Tremor movement at 11-33-00 to 12-00-00							
			max movement at .5 cms.							
9	26	P?	15-22-00							
		H	16-05-00							
		P	17-30-00							
										EQ
										other phases not visible.
10	27		Tremor recorded at 13-41-00							
			no definite phases.							
11	28		Slight movement at 18-00-00 1 7 cs at 18-30-00							

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SEISMOLOGIC STATION, PERTH OBSERVATORY.

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

No. 3

International
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Feb 1st 1927

Feb 21

Feb 1st 1927									
No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.	
					AE.	AN			
			h. m. s.	s.	μ	μ	km.		
27	12	Feb 1	P e	18-04-50				Well defined movements	
			PR 1	18-06-35					
			S 1	18-11-15					
			SRI 1	18-14-38					
			2 1	52					
			3 1	15-30					
			L 1	18-17-40					
			M	18-23-30		1.68	cms		
			F ca	19-50-00					

XX	Shocks reported by Press in Shanghai at 11-50-00 Shanghai.								
<i>No Record on Seis</i>									

13	4	P1 e	2-58-55					2.07 cms	
		2 e	2-59-00						
		PR e	3-01-10						
		S1 1	3-05-20						
		2 1	3-06-00						
		SRI 1	3-10-00						
		L 1	3-13-45						
		M	3-19-00						
		F ca	4-30-00						

14	13	A movement recorded between 16-20-00 and 6-27-00 with max amp of .2 cms period 12 "							

	14	Pressreport EQ at Stolatz-Hergegovina -Jugo Slavia							
	15	Press report EQ in Balkans							
<i>No Record on Seis</i>									

15	16	P1 at 1-58-30: A sudden impetus and max swing of .89cms followed by continuous movement with average period of 10 secs and mean amplitude .34 cms until ca ca 4-45-00 Movements are not clear being superimposed with micro.							

16	18	A slight movement recorded between 23-03-35 and 23-36-00 max amp at .25 cms							
		P1 at 23-03-35							

	20	Press report submarine upheaval in the Meditteranean.							

17	21	S1 ?	12-36-35					Phases hard to recognise	
		SRI ?	38-45						
		L ?	40-45						
		F ca	30-30						

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.

From Feb 23rd 1927

to March 31st 1927

No.

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No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
18	Feb 23	Dol	h m s	s.	μ	μ	km.	80m Distinct offset not recognised as a phase.
		2	3-04-00			•240ms		
		M 1	3-07-35			•750ms		
		2	3-08-20			•900ms		
		P on	3-03-00					
19	24	Slight movement recorded between 22-03-00 & 3-10-00 max amp •220ms.						
20	25	Movement recorded between 15-47-00 & 16-45-00 on max amp •2 ms max period 30secs						
21	26	Tremor movement recorded at 2-25-00 - 3-10-00 max amp •35ms.						
22	28	Tremor movement at 15-11-00 to 15-35-00 max amp •28 ms max period 22seconds						
	Mar 1	Press report E. & Shocks in Larrea USA & SE Cuba						
23	Mar 7	Pe	9-30-00					Press report Jap EQ
		Si	9-48-00					Towne Nobel & Cochr.
		L1	9-52-40					
		M1	10-08-35	25"		1.42 ms		
		P on	11-30-00					
24	21	EQ movement recorded between 15-13-00 - 17-00-00 max amp •25 ms						
25	22	P	Lost in noise.,					
		Si	7-20-15					
		L	7-44-00			max amp •6 ms		
		P on	8-45-00					
26	23	Slight movement recorded at 9-28-00 to 10-00-00 on on period 20 secs •013 ms amp.						
22a	Mar 3	P ₁	1-10-47					Cabled to
		P ₂	1-11-20					B.A.S Committee
		PR ₁	1-12-05					
		S	1-15-10					
		L	1-16-30					
		M ₁	1-21-25	8-14 sec				
		max movement from 1-16-30 to 1-45-00						
		varying from .64 to 3.9mm						

PERTH, WESTERN AUSTRALIA.

1927 *minus May*

JUN 15 9 03 AM '27

SEISMOLOGIC STATION, PERTH OBSERVATORY. 24

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

No. 190. International
Seismological
Centre

April 1st 1927

April 30th 1927

April 1st 1927			April 30th 1927			Amplitude.		Distance.	Remarks.
No.	Date.	Phase.	Time.	Period.	AE.	AN.			
	1927		h. m. s.	s.	μ	μ	km.		
27	April 1	P P S L F ca	19-15-33 19-17-53 19-23-25 - 20-00-00					Recorded with Magnification of 150	
28	13	P PR S L F ca	13-52-33 13-55-10 13-59-12 14-08-20 15-13-00					Normal magnif	
29	14	P1 2 S SR1 2 L F ca	6-40-00 6-42-15 6-51-35 6-59-30 7-03-30 7-19-42 8-01-00						
30	16	Tremor movement between 9-12-00 and 10-15-00 max amp .85 cm at 9-35-00							
31	17	P S1 L1 M1 2 F ca	- 9-12-00 9-15-30 9-17-50 9-18-30 10-00-00			.75			
32	19	Pe PR1e S1 L e 54-00 F ca	17-38-10 17-40-25 17-45-10 17-52-35 18-30-00	20		.33 cm			
33	27	Tremor movement recorded between 3-15-00 and 3-45-00							

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.

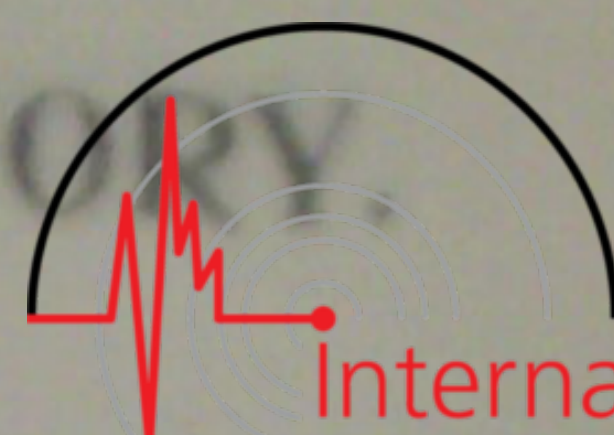
C. & G. SURVEY
L. & A
AUG 16 1927
Acc. No.



From June 1st 1927 to June 30th 1927 No. 8

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1927		h. m. s.	s.	μ	μ	km.	
44	June 3	P1 P 1 S 1 L - M 8-23-00 to 8-54-00 amp 7-85 cms. P 08 10-30-00	7-18-03 7-18-25 7-23-50 - -					
45		6 Tremor movements :- 13-46-00 to 14-10-00 on. 19-45-00 to 20-30-00 on						
46	11	P 0 P 0 S 1 L 0 M P 08	2-28-50 2-29-03 2-44-25 2-46-30 2-48-30 2-50-00				45 cms.	
47	14	P1 S1 L M1 S P 08	17-22-25 17-27-00 17-28-30 17-30-10 17-30-35 17-35-00				2.5 cms 2.1 cms	
June 17-18 No tremor from 2-57-00 to 2-00-00 on 14th.								
48	28	Tremor movement recorded: 11-20-00 to 11-40-00						

SEISMOLOGIC STATION, PERTH OBSERVATORY.

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From August 5th 1927. to Sept 17th 1927 No. 10

1927. Sep 17 12 1927 10									
No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.	
					AR.	AX.			
			h. m. s.	s.	μ	μ	km.		
53	AUG 5	Tremor movement recorded :- P 1 21-26-00 F ca 23-00-00 amplitude of max movement .4 one							
54	10	P 1 11-43-00 S 1 11-48-45 L 7	Cabled to N.S.C. 101/51143/00345. S - P 345*.						
55	18	Movement recorded :- DO 1 18-44-50 2 18-48-20 F ca 20-45-00 Do - Any effect of distinction that can not be recognised as a phase.							
56	20 - 21	Movement recorded with period of 23-27 sec. ca. 23-16-00 to 2-20-00.							
57	22	P 7 1927-30 F ca 20-00-00	20 *						
58	25	P 7 17-03-47 F ca 17-20-00							
59	Sept 3	Slight movement recorded at 21-00-00 to 21-20-00.							
60	4	P 7 19-27-10 DO 1 19-58-18 F ca 20-20-00							
61	5	P 1 00-58-40 F ca 1-15-00							
62	7	P 1 20-05-50 S 1 20-11-07 L 1 20-12-25 F ca 21-20-00							
63	8	P 1 17-28-28 F ca 21-29-00 18-10-00							
64	9	P 23-28-15 DO 1 23-29-20 2 23-32-50							
65	11	Slight movement commenced just after 23-01-00 ca to 23-45-00							
66	13	DO 1 10-36-55 2 10-39-35 F ca 11-10-00							
67	17	F ca 1-00-00 F ca 1-30-00	Record interrupted due to change of sheet						

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SEISMOLOGIC STATION, PERTH OBSERVATORY.



From Sept 18th 1928 to November 4th 1928 No. 11

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1928		h. m. s.	s.	μ	μ	km.	
68	Sept 18	Movements recorded at 2-24-00 to 2-36-00 DO1 at 2-25-17 DO2 2-26-30						
69	19	DO 1	2-54-45		Probably "L" Sudden increase in period to 17 secs at this time. P ca 2-13-00			
	28	No Seismograph record after 6-30-00 Owing to displacement of bridge piece.						
70	Oct 10-11	Slight seismic movement recorded at 23-35-00 to 0-12-00						
71	11	Movement recorded at 17-34-00 to 17-46-00						
72	13	Movement recorded at 4-34-00 to 5-05-00						
	14-15	Very heavy Microseisms						
73	16	Movement at 12-34-00 to 13-09-00 amp .4 cms Max at 12-37-50.						
	16	"	14-36-00		to 14-47-00			
74	19	Tremor	14-09-00		14-26-00	ca		Amp. .2 cms.
75	19	P1	22-03-00					
		S 1	22-06-25					
		L 1	22-07-40					
		M1	22-11-20		.7 cms.			
		2	22-16-50					
		P ca	22-05-00					
76	24	P	-		Lost in micro seims.			
	7	PR 1	16-37-50					
		S	16-51-40		Long duration of disturbance probably			
		L ca	17-02-40		due to a second and superimposed S.Q.			
		P ca	18-37-00		movement.			
77	25	S e	15-49-10					
		L 1	15-50-35		.4 cms			
		P ca	16-00-00					
78	27	Slight movement at			7-45-00			
					8-11-00			
79	31	S1	17-54-50		NO "P"			
		L1	18-01-48					
		M1	18-08-40		.6			
		2	18-06-10		.6 XXXXXXXXXX			
80	Nov 1	Slight seismic movement 22-00-00 to 22-30-00						
81	2	Movement at Pe 21-17-30 to 22-10-00 DO e 21-20-30						
82	4	P e	14-13-52		M1	15-01-00		period 20 secs
		DO 1	14-16-00		2	15-08-30		
		P ca	18-20-00					

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.

From November 6th to November 18thNo. 12 International
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No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1928		h. m. s.	s.	μ	μ	km.	
83	Nov 6	Pi Si Le M1 F ca	11-40-45 11-44-40 11-45-30 11-46-50 12-24-00					
84	8	P e PR 1 S e L 1 2 M1 F ca	3-19-00 3-21-15 3-28-00 3-31-00 3-32-00 3-33-40 4-55-00	15		•6 cms		
85	9	P e S e SR 1 Lve M 1 F ca	1-18-15 1-24-00 1-35-40 1-27-30 1-30-45 2-03-00	7		1 cm		
86	10	Pe PR S i L M1 F ca	2-14-20 3-15-05 3-18-55 3-21-11 3-22-50 4-46-00			•9 cms		
87	14	Movements recorded:-						
		5-48-00	to 6-10-00 ca		Max period 32"	Amp. •25 cms		
		8-14-00	8-34-00 ca		" 20	•31		
		15-35-00	15-50-00 ca		" 12	•16		
88	15	Slight displacement :- 6-25-00 ca to 6-36-00						
89	16	Pi F1 PR S SR H M1	21-17-46 21-17-57 21-19-40 21-23-37 21-25-48 21-27-50 21-29-25	8"		1.54		
90	17	P e S e L e M1 F ca	13-38-00 14-03-05 14-04-30 14-05-40 15-18-00	10"		1.35 cms		
91	18	No "P" Phase	Two outstanding movements of "S" character recorded at.					
		S1	3-38-55			•5 cms		
		2	3-39-15			•4 cms		
92	19	Slight displacement at period 15 secs 7-51-00 to 8-18-00 Max amp •2 cms.						

PERTH, WESTERN AUSTRALIA.

SEISMOLOGIC STATION, PERTH OBSERVATORY.

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From... November 19th to December 31st

No. 13

No.	DATE.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		DISTANCE.	REMARKS.
					AE.	AN.		
	1928		h. m. s.	s.	μ	μ	km.	
93	Nov 20							Slight movement recorded at 17-24-00 to 18-0-00
94	21 - 22	Pe ?	23-34-00					
		P ?	23-35-00					
		PR	23-37-00					
		S 1	23-45-40	10-12				
		L 1	0-08-00	20				
		M1	A series of 32 oscillations commenced at 0-15-00 increasing in amplitude to .8 cms at 0-16-45. .8 cms amplitude maintained for 180 sec decreasing to a minimum by 0-23-00 Period 12-17 seconds.					
		F ca	1-25-00					
95	Dec 1	P e	4-44-10					
		DO 1	4-49-00					
		S	4-50-49					
		DO 2	4-51-00				.9 cms	
		3i	4-51-50					
		L	4-56-00					
		M1	4-57-50	20"			.94 cms	
		F ca	6-00-00					
96	11	Movement at	16-55-00				to 16-48-00 ca	Max .19cms
		PE e	18-31-00					
		S 1	18-38-00	10-15 "				
		L	-					
		F ca	18-25-00					
97	12	Slight movement	of .2 cms amp at 19-21-00 to 20-19-00 ca					
98	15	P ?	16-23-00					
		S ?	16-29-45					
		L ?	16-35-00					max movement .5 cms
		F ca	17-00-00					
99	20	P ?	13-58-50					
		Se ?	14-02-20					
		L	14-03-20					
		F ca	14-45-00					
101	28	P ca	18-37-05					P hases doubtful
		S1 ?	18-44-36					
		SR 1	18-51-42					
		2	18-58-00					Max period of long waves 15 secs
		DO 1	19-05-40					"P" Lost in microcisms.