

ROYAL OBSERVATORY, HONG KONG.

LATITUDE $22^{\circ} 18' 13.2''$ NORTH.

LONGITUDE $114^{\circ} 10' 18.7''$ EAST.

MONTHLY SEISMOLOGICAL BULLETIN

DECEMBER,
1951.

Prepared under the direction of
G.S.P. Heywood, M.A., B.Sc.,
Director.

NOTATION

P = Time of arrival of direct longitudinal waves.
PP = " " " " " " " once reflected at the surface.
S = " " " " " transverse waves.
SS = " " " " " " once reflected at the surface.
L = " " " " surface (long) waves.
M = " when maximum amplitude is observed.
F = " of end of record.
 A_E = Amplitude (half-range) of E-W movement.
e = Gradual beginning of motion.
i = Sudden beginning of motion.



ROYAL OBSERVATORY, HONG KONG.

EARTHQUAKES RECORDED IN DECEMBER, 1951.



Instrument. Sprengnether series H seismometer, pendulum period 14 seconds, galvanometer period 15.6 seconds, magnification $\approx$ 3500 E-W.

No.	Date	Phase	G.M.T.			Period	A _E	Remarks
			h.	m.	s.	s.	mm.	
1951	Dec.							
1.	3	L M F	07	09	38 53 -		5.0	Possible P and S of same order as microseisms.
2.	5	P M F	07	00	12.5 08 -	10	59.5	S and L indistinguishable.
3.	6	eP? S/L M F	06	29	48 41 32 -	7-8	5.0	S and L indistinguishable.
4.	7	eP S M L F	21	01	42 13 25 22 -	15 10	4.5 4.2	
5.	8	P iS L M F	04	26	11 07 08 00 -	25	122.0	
6.	11	eP eS L M F	21	12	12 34 53 55 -	18	10.4	
7.	12	e M F	01	59	24 00 -	30-35	6.0	
8.	13	eP eS? L M F	10	16	22 25 01 23 -	8-10	1.7	
9.	21	L M F	07	44	09 38 -		57.5	Recorder out of action during early phases.
10.	21	eP S M F	10	19	35 27 35 -		7.1	
12.	21	eP eS	10	35	13 56		2.0	
13.	22	eP? eS? M F	14	55	48 33 17 -	15-20	2.5	

No.	Date	Phase	G.M.T.			Period	A _E	Remarks
1951	Dec.		h.	m.	s.	s.	mm.	
14.	23	eP?	06	52	08			
		eS?	06	57	03			
		L?	06	59	12			
		M	07	02	56	15-20	2.5	
		F	07	37	-			
15.	23	P	22	16	07			
		M	22	18	33	15	7.4	S and L indistinguishable. Large microseisms.
		F	22	42	-			
16.	24	e	10	05	-			Masked by microseisms.
17.	25	eP	05	25	18?			
		S	05	26	28			
		L	05	27	05			
		M	05	27	13	10-12	9.6	
		F	05	38	-			
18.	25	e	16	12	48			
		M	16	24	55	25-17	4.5	
		F	16	52	-			
19.	26	P	10	12	02			
		PP	10	12	32			
		iS	10	16	14			
		L	10	19	08			
		M	10	19	41	10-12	41.7	
		F	11	09	-			
20.	26	P	16	35	58			
		iS	16	40	13			
		L	16	43	15			
		M	16	44	01	10-11	74.4	
		F	17	54	-			
21.	29	P	22	05	32			
		L	22	06	04			
		M	22	08	05	12	70.0	S and L together.
		F	22	49	-			
22.	31	eP	23	35	25			
		eS	23	36	53			
		L	23	37	34			
		M	23	38	17	7-8	6.4	
		F	00	01	-			

No record between 2d 14h 00m and 3d 04h 50m
 3d 13h 00m and 5d 02h 06m
 18d 01h 00m and 21d 07h 41m
 28d 08h 00m and 28d 11h 00m.

C.S. RAMAGE.
 Scientific Officer.