

Ret 2684.

Year 1926, No. 1.

January 1st to 13th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY

$\phi = 14^{\circ} 34' 41''$ N. $\lambda = 120^{\circ} 58' 33''$ E. $h = 2.40$ ms. Alluvium.

Instrument: Wiechert's astatic pendulum (1,000 Kg.)

	T_0	V	ϵ	$\frac{1}{T_0^2}$
AN	6.04	184	1.895	0.052
AE	5.56	212	1.987	0.067

No.	Date	Char-acter	Phase	Greenwich mean time		Per-iod	Amplitude		Dis-tance	Remarks.
				h. m. s.	s.		A_N	A_E		
								Km.		
1	1	I	e F	0	03 13					Near Butuan Bay. Micros. on the 1st.
2	3	Iv	eP iL F	8	47 30 48 18 56			435		Near western part of Samar. Micros. on the 2nd.
3	3	I	e F	16	23 35					Trace only.
4	3	IIv	eP iL ME MN	23	34 00 34 48 35 21 35 28	4 5	196	182	435	SE Luzon. End over- taken by following earthquake.
5	3	Iv	eP iL F	23	49 27 50 10 0 02				390	SE Luzon.
6	4	Iv	eP iL F	1	37 32 38 09 48				330	SE Luzon.
7	4	Iv	eP iL	9	11 51 12 45				490	Western part of Sa- mar. End overtaken by following Eqke.
8	4	Iv	eP F	9	23 07 29				180	Micros. on the 4th.
9	5	I	e F	7	37 39 56					Trace only.
0	5	Iv	eP F	13	30 04 33				125	Micros. on the 5th.
	6	Iv	eP iL F	13	58 39 59 30 14 15				460	Panay Island.
	6	Iv	eP	23	48 46					
	7		L? F		50 14 0 15				810?	Micros. on the 6th.
	7	Iv	eP F	1	20 37 24				250	

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
				h.	m.	s.	s.	μ	μ	Km.	
14	7	I	e F	12	00	00					Trace only. Micros. on the 7th and 8th and moderate on 10th.
15	11	Iv	eP L F	8	24	41				760	Micros. on the 11th and 12th.
16	14	Iv	eP F	14	05	27				100	
17	16	Iv	eP F	9	55	28				200	
18	17	Iv	eP F	15	24	20				180	
19	18	IIr	eP iL ME MN F	16	58	14				1400	
				17	01	24	8		42		
				02	52		9	52			
				18	22						
20	18	Ir	iP iL F	21	14	35				4500	
					26	23					
				23	04						
21	19	I	eP F	15	30	28					Agusan Valley. Micros. on the 22nd.
					46						
22	23	IIv	iP iL ME MN F	3	13	32				770	Northeastern part of Mindanao. Moderate micros. on the 23rd.
					14	56	5		112		
					15	07	6	101			
					16	14					
					56						
23	24	Iv	eP iL F	20	56	00				160	Micros. on the 24th.
					56	18					
					59						
24	25	IIr	e iP iL? F	0	44	43				4700?	Wiechert's seismograph was out of order. From omori's seismograph.
					4	52					
					57	12					
					2	46					
25	26	IIv	eP iL F	19	59	14				290	Near Tablas Island.
					59	46					
					20	08					
26	27	I	e F	20	45						Trace only.
					56						
27	28	I	e F	0	20						Trace only. Micros. on the 30th.
					28						

Year 1926, No. 3.

January 28th to February 13th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				H.	M.	S.		A _N	A _E		
28	31	Iv	eP iL F	2	39	00 28 47			250	China Sea.	
29	31	Iv	eP iL F	11	43	18 06 49			435	NE Luzon.	
30	31	Iv	eP iL F	21	13	50 09 19			170		

F E B R U A R Y , 1 9 2 6 .

31	3	Iv	eP iL F	12	10	09 08 21			540	Heavy micros. on the 2nd & light on the 3rd.
32	4	I	e F	6	55	09				Trace only.
33	5	Iv	eP iL F	0	38	36 40 51			560	
34	7	Ir	e iL F	2	50	49 09 29			2310	
35	7	Iv	eP L	7	59	24 00			320	End overtaken by following Eqke.
36	7	I	e F	8	06	17				
37	8	Iv	eP F	3	51	30 02			670	NE Mindanao.
38	8	Iu	eP eL? F	15	37	51 00 44			9570?	
39	9	I	e F	0	43	32				Trace only.
40	11	Iv	eP F	5	12	49 19			330	
41	12	Iv	eP F	15	22	23 27			180	
42	13	Iv	eP F	5	31	38 34			130	

Year 1926, No. 4.

February 13th to 28th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		N	E		
43	13	I	e F	9	20	58				Trace only.	
44	13	Iv	eP eL F	17	33	41 35 27 45			980	SE Mindanao.	
45	14	Iv	eP iL F	2	14	34 15 55 32			740		
46	15	I	e F	3	19	24 4 06					
47	15	Iv	eP L F	23	14	24 15 54 36			910		
48	17	Iv	eP F	10	29	11 32			120		
49	21	Iv	eP F	5	41	40 45			130		
50	22	Iv	eP F	11	10	50 13			80	Micros. on the 24 and 25.	

Year 1926, No. 5.

March 1st to 14th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi=14^{\circ} 34' 41''$ N. $\lambda=120^{\circ} 58' 33''$ E. $h=2.40$ ms. Alluvium.
Instrument: Wiechert's astatic pendulum (1,000 Kg.)

	T_0	V	ϵ	$\frac{F}{T_0^2}$
A_N	3.36	182	2.199	0.182
A_E	3.47	175	2.004	0.142

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A_N	A_E		
							μ	μ	Km.		
51	4	II _r	eP	9	33	55				1350	In the Pacific, off NE coast of Mindanao.
			iL		36	58					
			MN		39	21	8	142			
			ME		40	09	9		141		
			F	11	13						
52	6	I _v	eP	0	20	12				120	
			F		23						
53	6	I _v	eP	15	43	40				960	Pacific.
			iL		45	24					
			F	16	09						
54	8	I _r	eP	20	28	46					
			L		31	15					
			F	21	11						
55	9	I _v	eP	3	25	52				180	China Sea, near W coast of Luzon.
			iL		26	12					
			F		36						
56	10	I _v	eP	5	35	45				270	
			F		46						
57	10	I _v	eP	14	02	13				80	End overtaken by following quake.
58	10	I _v	eP	14	05	21				70	
58	10	I _v	F		07						
59	10	I _v	eP	14	09	52				70	
			F		13						
60	11	I _v	eP	10	26	14				610	
			F		37						
61	11	I _v	eP	22	44	39				140	
			F		48						
62	13	I	e	19	38	14					
			F		20	15					
63	14	I	e	8	57	34					
			F		9	19					

Year 1926, NO. 6.

March 14th to 28th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Ampl itude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
				h.	m.	s.	s.	μ	μ	Km.	
64	14	I _v	eP F	11	38	28 45				240	
65	16	I	e F	17	49	18	25				Trace only.
66	17	I	e? F	4	40	51 19					
67	17	I _u	e L? F	12	13	34 43 00 56				9720?	
68	18	I _u	iP L? F	14	19	00 44 30 15 43				8500?	Asia Minor?
69	19	I	eP F	12	02	54 21					
70	19	I _r	iP iL ME MN F	19	08	11 11 44 12 14 12 45 20 12	7 7	68	79	1590	Pacific.
71	19	I _r	eP F	20	18	00 36					
72	21	I _r	e L? F	12	18	00 27 44 54					
73	21	I	e E	14	39	45 16 51					
74	22	I _r	iP L ME MN F	18	36	25 44 49 46 58 47 00 19 51	9 9	13	15	3420	
75	24	I	e M F	11	27	33 30 52					Trace only.
76	25	I _r	eP L? F	13	25	51 31 43 49				2520?	
77	26	I _v	eP L F	9	28	09 29 43 42				870	
78	27	I I _r	iP iS? iL ME MN F	10	56	37 11 02 35 06 45 07 41 07 52 12 38	11 10	87	68	3960	Near Salomon Is-lands?

Year 1926, No. 7.

March 29th to April 14th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY. } Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod	Amplitude		Dis-tance	Remarks.
				h.	m.	s.		A _N	A _E		
							s.	μ	μ	Km.	
79	29	I	e F	15	58						
				16	29						
80	29	I	e F	20	14						
					27						
81	29	I	i F	20	59	34					Trace only.
				21	28						
82	30	Iv	eP F	5	02	41				125	
					05						

A P R I L , 1 9 2 6 .

83	1	I I _r	e iL MN ME F	16	08	42				2740	Near Japan?
					15	08					
					15	23	5	62			
					15	23	6		60		
				17	16						
84	2	Iv	eP F	17	39	02				120	
					43						
85	6	I _r	eP L? F	19	39	35				2340?	
					44	57					
				20	17						
86	8	I _r	eP L? MN ME F	10	27	23					
					35	38					
					36	06	8	16			
					36	20	7		10		
				11	50						
87	8	I II _d	iP iL F	12	43	00				190	
					43	21					
					59						
88	9	I	e F	3	30	00					
				4	06						
89	9	I	e F	10	15	00					
					58						
90	12	I II _u	eP iS iL ME MN F	8	41	06				5490	Near Salomon Is-lands.
					48	24					
					55	49					
					59	00	24				
					00	06	27	87	131		
				12	12						
91	12	I _r	eP L F	15	53	46					
					57	00					
				16	30						
92	13	I	e F	2	46	00					Trace only.
				3	05						

Year 1926, No. 8.

April 15th to 30th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		AN	AE		
							s.	μ	μ	km.	
93	15	II _d	iP	9	22	00	4		172	225	China Sea, near SW coast of Luzon.
			iL		22	25					
			ME		22	44					
			F		34						
94	15	I _r	eP	9	36	00					
			F	10	10						
95	16	I	e	0	38						Trace only.
			F	1	26						
96	22	I _r	eP	23	53	31				2310	Near Japan.
			eL		58	50					
	23		F	0	48						
97	24	I	e	0	20	08					Trace only.
			F		43						
98	24	I _v	eP	9	26	38				200	
			F		30						
99	25	I _v	eP	15	03	48				130	
			F		10						
100	25	I _v	eP	16	59	09				110	
			F	17	02						
101	27	I _r	eP	21	25	29					
			iL		29	18					
			F		53						
102	28	I	iP	11	33	39					
			F	13	05						
103	28	I _r	eP	18	06	39					
			eL		09	56					
			F		29						
104	29	I _r	iP	13	15	17					
			F		23						
105	29	I _v	eP	16	48	29				280	
			F		56						

Year 1926, No. 9.

May 1st to 17th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi=14^{\circ} 34' 41''$ N. $\lambda=120^{\circ} 58' 33''$ E. $h=2.40$ ms. Alluvium.

Instrument: Wiechert's astatic pendulum (1,000 Kg.)

	T_0	V	μ	$\frac{F}{T_0^2}$
AN	3.36	182	2.199	0.182
AE	3.47	175	2.004	0.142

No.	Date	Char-acter	Phase	Greenwich	Per-iod.	Amplitude		Dis-tance.	Remarks.
				mean time		AN	AE		
				h. m. s	s.	μ	μ	Kn.	
106	6	Iv	eP eL F	16 06 42 07 00 12				160	
107	7	Ir	eP iL F	6 17 39 24 50 7 56				3000	SE Japan.
108	8	Iv	eP iL MN ME F	16 10 37 11 29 12 02 12 02 34	7 7	82	88	480	Pacific, E off SE Luzon.
109	9	Iv	eP F	0 32 05 45				360	Pacific, E off SE Luzon.
110	9	Iv	eP F	12 25 38 34				310	
111	10	I	e F	8 25 00 44					Trace only.
112	11	I	e F	15 00 10					
113	11	Iv	eP L	12 07 39 08 06				240	End overtaken by following quake,
114	11	I	e F	12 12 38					Trace Only.
115	12	Iv	eP iL F	6 32 17 32 54 38				330	NW Luzon.
116	13	Iv	eP iL F	18 36 03 36 22 41				170	
117	15	Iv	eP F	21 12 53 16				240	SE Luzon.
118	17	Iv	eP F	13 25 44 29				140	

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
							s.	μ	μ	Km.	
119	17	I _r	eP L F	17	26	22 19 54					
120	19	I _v	eP L F	19	30	08 41 39				300	
121	20	I _v	eP iL F	6	05	41 56 13				130	
122	20	II _r	eP iL MN ME F	7	04	44 04 28 28 42	7 8	231	242	1080	N Celebes Sea.
123	23	I _v	eP L? F	21	53	45 53 14					
124	24	I _v	eP F	18	04	31 07				50	
125	24	I _v	eP F	20	47	57 50				70	
126	25	I	e F	7	54	8 21					Trace only.
127	26	I _v	eP F	1	13	30 16				90	
128	26	I	e F	19	52	00 18					Trace only. Near Japan.
129	27	I	e F	12	30	43 55					Trace only.
130	28	II _v	eP iL ME MN F	0	21	02 34 54 55 40	4 3	147	143	290	Central Luzon.
131	28	I _v	eP L F	16	44	57 31 54				310	
132	29	I _v	eP iL F	7	52	38 31 01				480	China Sea, near W coast of Ilocos Norte.
133	29	I	e F	22	44	23 08					

Year 1926, No. 11.

May 31st to June 13th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
							s.	y	u	Km.	
134	31	I _r	eP iL F	13	47	47					
					57	34					
					14	38					
J U N E , 1 9 2 6 .											
135	1	I	e F	22	27	47					Trace only
					23	03					
136	3	II _r	eP iL? F	4	56	28					Near Salomon Is-lands?
					5	04	22				
					6	04					
137	4	I	e F	0	20						Trace only.
					42						
138	4	I _v	eP iL F	5	31	50				180	
					32	10					
					38						
139	4	I _r	e L? F	6	57	49					
					7	07	10				
					42						
140	4	I	e F	15	16						Trace only.
					35						
141	5	I _r	eP iL F	9	13	43					
					17	08					
					57						
142	5	I	e F	20	13						Trace only.
					54						
143	9	I _v	eP F	14	09	05				150	
					15						
144	9	II _v	e eP iL MN ME F	15	27	02					
					27	25					
					28	50					
					29	04	7	154			
					29	04	6		143		
					16	01					
145	12	I _v	eP L F	18	28	49				720	Pacific, Philippi-ne Deep.
					30	08					
					41						
146	13	I _r	eP L F	2	04	39					
					06	53					
					25						

Year 1926, No. 12.

June 13th to 21st, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued,

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
				h.	m.	s.	s.	^u	^u	Km.	
147	13	I _v	eP L F	11	21	33 43 34					
148	16	II _v	eP iL M _N M _E F	5	55	10 31 32 32 06	3 3	55	49	190	
149	16	I _v	eP iL F	16	32	22 41 45				170	
150	17	I _v	eP iL F	9	36	01 14 41				120	
151	17	I _v	eP iL F	17	56	51 03 00				125	
152	18	I _r	eP iL F	10	46	49 44 14					
153	18	I _v	eP F	21	42	04 45				50	
154	19	I _v	eP L F	5	02	08 34 08				230	
155	19	I _r	eP L F	11	29	38 10 57					
156	19	I _v	eP F	16	42	11 45				140	
157	19	I _v	eP F	17	24	22 27				45	
158	20	I _v	eP iL F	2	34	38 56 41				160	
159	20	I _r	iP iL F	7	16	41 03 39					
160	20	I _v	eP iL F	8	50	03 44 58				370	
161	21	I _v	eP F	8	10	16 13				60	

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued,

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		AN	AE		
162	21	I	e F	8	14	44				Trace only.	
163	24	Ir	eP eL MN ME F	21	21	29 25 36 25 43 26 08 22 05	7 7	76	35		
164	25	I	e F	2	08	18 29				Trace only.	
165	25	I	e M F	20	49	10 54 10 21 18					
166	25	I	e F	22	56	23 12				Trace only.	
167	26	Iv	eP F	14	27	00 36			340		
168	26	IIr	eP iS iL ME MN F	19 20	59 04	08 45 09 15 10 50 11 44 21 53	7 7	143	150		
169	27	Iv	eP iL F	5	24	21 25 00 33			350		
170	28	IIr	iP iL MN ME F	3	29	00 34 30 36 50 36 26 4 54	7 9	135	117		
171	28	Ir	eP iL MN ME F	6	21	18 26 51 27 26 27 42 7 18	7 9	28	52	2410 Aftershock of the No. 170.	
172	28	Ir	eP eL F	12	03	36 09 32 34			2520	Aftershock of the No. 170.	
173	29	Iv	eP eL F	2	25	39 27 22 44					
174	29	II Ir	O eP iS iL ME MN F	14	26	52 14 30 13 32 56 34 00 35 19 35 24 16 53	9 6	198	240		
175	30	Iv	eP F	11	55	29 12 06			380		

Year 1926, No. 14.

July 1st to 12th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi = 14^{\circ} 34' 41''$ N. $\lambda = 120^{\circ} 58' 33''$ E. $h = 2.40$ ms. Alluvium.

Wiechert instrument, astatic pendulum (1,000 Kg.)

	T_0	V	ϵ	$\frac{r}{T_0^2}$
A_N	3.36	182	2.199	0.182
A_E	3.47	175	2.004	0.142

No.	Date	Character	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A_N	A_E		
				h. m. s.			s.	μ	μ	Km.	
176	1	II _r	eP iL F	14	14	33 20 12 15 12					From Omori's seis- mograph.
177	2	I _v	eP iL F	2	59	05 59 25 3 07				180	
178	3	I _v	eP L F	3	52	37 53 34 4 04				520	
179	7	I	e F	11	47	16 12 03					Trace only.
180	8	I _v	eP F	11	42	00 44				45	
181	10	I _r	eP L F	1	21	50 25 24 2 05				1600	
182	10	I _v	eP iL F	2	46	17 47 21 59				580	Moderately felt at Legaspi.
183	10	II _r	eP iL ME F	10	54	42 58 37 59 43 12 34	8	229			
184	10	I	eP F	12	44	07 13 18					
185	10	I	eP F	23	08	29 23					Trace only.
186	12	I	e F	9	27	51 51					Trace only.
187	12	I	e F	14	36	54					Trace only.

Year 1926, No. 15.

July 12th to 31st, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued,

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		s.	μ		
188	12	I	e F	16	55						Trace only.
189	13	Ir	iP iL F	7	31	33				1280	
190	14	Iv	eP F	0	55	31				500	
191	14	Ir	eP iL	16	50	09				1160	End overtaken by following quake,
192	14	Ir	eP iL F	17	03	01				1170	
193	15	IIv	e iP iL F	21	49	12				880	
194	16	Ir	eP iL? F	2	11	53					
195	18	I	e F	19	37						Trace only.
196	23	IIr	iP iL MN ME F	5	19	25				1440	E Mindanao in the Pacific,
197	25	IIv	eP iL MN ME F	11	06	41				370	Western coast of N Luzon.
198	26	Iv	eP F	0	14	47				210	
199	26	Iv	eP eL F	2	40	17				540	Western coast of Samar.
200	26	Ir	eP iL F	18	59	46				3000	Near Japan.
201	27	Ir	eP iL F	5	49	44				1100	
202	28	Ir	eP iL F	9	00	32				4680	Near Solomon Is.

Year 1926, No. 16.

August 1st to 3rd, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi=14^{\circ} 34' 41''$ N. $\lambda=120^{\circ} 58^{\text{B}} 33''$ E. $h=2.40$ ms. Alluvium.

Instrument: Wiechert's astatic pendulum (1,000 Kg.)

	T_0	V	ξ	$\frac{F}{T_0^2}$
A_N	3.36	182	2.199	0.182
A_E	3.47	175	2.004	0.142

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod	Amplitude		Dis-tance.	Remarks.	
				h.	m.	s.		A_N	A_E			
						s.	μ	μ	Km.			
203	2	III _d	iP iL	5	02	22 03 15				480	Pacific, E Catan-duanes Island, Ma-xima and end lost by the force of the shock.	
204	2	I _v	eP F	6	14	14 24				480	Aftershock of the No. 203.	
205	2	III _v	eP iL	6	49	29 50 23				490	Aftershock of the No. 203.	
206	2	II _v	eP iL	7	51	43 52 36				480	Aftershock of the No. 203.	
207	2	III _v	eP iL	12	42	01 42 53				470	Aftershock of the No. 203.	
208	2	I _v	eP F	14	23	51 34				480	Aftershock of the No. 203.	
209	2	I _v	eP F	16	21	15 28				490	Aftershock of the No. 203.	
210	2	II _v	eP iL F	17	56	31 57 35 18 27				580	Aftershock of the No. 203.	
211	2	I _v	eP F	21	33	16 42				570	Aftershock of the	
212	3	I _v	eP F	3	27	28 36				540	Aftershock of the No. 203.	
213	3	III _r	eP iS iL F	3	43	15 45 00 45 25 5 38				1020	E Formosa. Felt at Basco, Batanes Islands.	
214	3	II _r	iP PS _N PS _E iS SR ₁ N SR ₁ E iL ME MN F	10	36	17 38 28 38 34 39 53 40 17 40 22 41 54 42 09 42 20 12 02				2130	Near Pelew Island, western Caroli-nes.	
							8	191				
							9	178				

Year 1926, No. 17.

August 3rd to 8th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued,

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod	Amplitude		Dis-tance	Remarks.
				h.	m.	s.		μ_N	μ_E		
215	3	I	e F	19	47					Trace only.	
216	5 6	I	e F	23	54					Trace only.	
217	6	e	e F	4	38					Trace only.	
218	6	I.	eP L? F	6	04	16					
219	6	I _r	eP L F	7	06	00					
220	6	I	e F	9	01	18				Trace only.	
221	6	I _r	eP L F	12	11	42					
222	6	II _r	eP PS iS SR ₁ iL MN ₁ ME ₁ ME ₂ MN ₂ F	15	54	49					
							9	52			
							10		54		
							9		116		
							8	93			
223	6	I	e F	22	54					Trace only.	
224	7	I	e F	0	27					Trace only.	
225	7	I	e F	2	12					Trace only.	
226	7	I	e F	6	20					Trace only.	
227	7	I	e F	9	40					Trace only.	
228	7	I	e F	11	35					Trace only.	
229	7 8	I	e F	23	40					Trace only.	
				0	28						

Year 1926, No. 18.

August 8th to 19th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
							s.	μ	μ	Km.	
230	8	I _v	eP iL MN ME F	18	27	52				230	
							3	104			
							3		118		
231	9	I	e F	3	49	55					Trace only.
				4	37						
232	9	I _r	eP L F	14	07	33				2730	Near Guam (Mariana Islands).
233	9	I	e F	16	01	24					Trace only.
234	9	I	e F	16	55						Trace only.
				17	26						
235	9	I	e F	18	08						Trace only.
					25						
236	10	I _r	eP L F	0	29	37					
237	10	I _v	eP F	9	03	23				230	
238	10	I	e F	13	45	37					
				14	39						
239	11	I	e F	5	52	44					
				6	22						
240	15	I	e? F?	6	34						On Aug. 14th and 15th, strong micros. caused by a typhoon.
					57						
241	15	I	e? F	9	59						
				10	17						
242	16	I	e F	2	48						
				3	04						
243	16	I _v	eP F	21	12	18				125	
					15						
244	19	I _r	e? L? F	13	58						
				14	07	37					
					54						
245	19	I _v	eP F	16	29	44				140	
					34						

Year 1926, No. 19.

August 20th to 31st, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
				h.	m.	s.	s.	μ	μ	Km.	
246	20	I	e F	3	18	58					Trace only.
247	22	I _v	eP L? F	8	56	42 58 46 9 09				960	
248	22	I _v	eP L F	16	07	30 07 51 14				190	
249	24	II _v	eP iL MN ME F	2	52	42 53 30 53 56 53 59 3 08	4	92		435	Aftershock of the No. 203.
250	25	I _r	eP L? F	5	56	07 6 04 20 8 50					
251	26	I	e F	6	52	7 22					
252	28	I _v	eP L F	12	19	50 21 45 43				990	
253	30	I _u	iP L F	11	50	50 12 15 37 13 04				8300	Greece earthquake.
254	31	I _v	eP F	17	26	14 30				150	

Year 1926, No. 20,

September 1st to 8th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi=14^{\circ} 34' 41''$ N. $\lambda=120^{\circ} 58' 33''$ E. $h=2.40$ ms. Alluvium.

Instrument: Wiechert's astatic pendulum (1,000 Kg.)

	T_0	V	ϵ	$\frac{r}{T_0^2}$
A_N	3.36	182	2.199	0.182
A_E	3.47	175	2.004	0.142

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A_N	A_E		
						s.	μ	μ	Km.		
255	1	I _r	eP L F	15	38	14 53 57				1230	
256	2	II _u	iP eS? SR ₁ SR ₂ L M _N M _E F	1	33	48 24 00 48 00 51 07 14	24 22	6 7		7060?	Indian Ocean.
257	3	I _v	eP L F	7	30	55 44 48				925	
258	4	I _r	eP L M _E M _N F	15	43	41 01 00 02 38	8 9	8		4960	Near Kurile Islands
259	4	I _v	eP F	22	33	02 39				160	
260	7	II _r	eP PR ₂ PS iS SR ₁ SR ₂ iL ME MN F	12	29	25 38 20 00 15 45 58 25 29 12	10 10	14 19		4940	
261	7	I _v	eP F	15	28	19 34				270	
262	8	I _r	eP L F	9	45	19 32 01					

Year 1926, No. 21.

September 8th to 16th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod	Amplitude		Dis-tance	Remarks
				h.	m.	s.		AN	AE		
				h.	m.	s.	s.	μ	μ	Km.	
263	8	I	e F	13	53	34					
				14	15						
264	8	I	e F	15	59	25					
				16	17						
265	8	Iv	eP L F	18	34	04				130	
					34	19					
					38						
266	9	I	e L? F	1	37	16					
					43	40					
				2	07						
267	10	IIIr	iP PS iS SR ₁ iL ME MN F	10	40	00				3150	Central Java.
					43	28					
					45	00					
					46	10					
					47	40					
					54	38	18		149		
					55	50	12	134			
				12	46						
268	11	Ir	eP L F	12	35	12					
					37	53					
				13	26						
269	12	I	e F	6	35						Trace only.
				7	02						
270	12	IIr	eP PR ₂ iS iL MN ME F	15	45	59				1530	
					46	20					
					48	35					
					49	27					
					52	02	9	201			
					52	07	11		220		
				17	56						
271	15	Ir	eP L	11	36	42					End overtaken by following quake,
					41	00					
272	15	Ir	e L? F	12	01	19					
					06	28					
				13	22						
273	16	Ir	eP F	5	53	17					
				6	03						
274	16	IIu	iP PR ₁ PS iS SR ₁ iL MN ME F	18	07	29				5600	Near Solomon Is-lands.
					09	45					
					14	00					
					14	42					
					19	20					
					23	00					
					20	04	11	82			
					25	09	13		72		
				20	03						

Year 1926, No. 22.

September 17th to 30th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		AN	AE		
				h.	m.	s.	s.	μ	μ	Km.	
275	17	I	e F	1	52						Trace only.
276	17	I	e F	3	02						Trace only.
277	23	I _v	iP iL F	7	22	05				170	
278	23	I _r	e eL? ME MN F	18	37	56	19		4		
							18	3			
279	25	I _v	eP iL F	3	20	49				225	Felt slightly at Bolinao (W Luzon).
280	25	I	e F	17	40						Trace only. Micros. on the 25th.
281	27	I _v	eP F	7	36	24				125	
282	28	I _r	eP iL F	16	00	36				1800	
283	29	I	e F	4	03						
284	29	I _v	eP F	12	03	16				180	Felt slightly at Tarlac (Central Luzon).
285	29	I _r	eP L? F	12	22	55					
286	30	I	i F	5	22	20					
287	30	I	e F	20	22						Trace only.
288	30	I	e F	23	15						Trace only.

Year 1926, No. 23.

October 1st to 15th, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi=14^{\circ} 34' 41''$ N. $\lambda=120^{\circ} 58' 33''$ E. $h=2.40$ ms. Alluvium.

Instrument: Wiechert's astatic pendulum (1,000 Kg.)

)))

	T_0	V	ϵ	$\frac{r}{T_0^2}$
A_N	3.36	182	2.199	0.182
A_E	3.47	175	2.004	0.142

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A_N	A_E		
289	1	I	e F	22	21	40 23 07		μ	μ	Km.	Trace only.
290	3	I_r	eP L F	8	33	00 40 00 9 04				2900	Near Japan.
291	3	II_r	eP PS iS SR ₁ iL ME MN F	19	49	24 53 31 55 00 56 25 59 12 20 02 19 04 58 22 45	8 9	110	130		Microseisms on the 6th, moderate on the 7th, strong on the 8th.
292	11	I_r	eP iL MN ME F	7	29	05 31 48 32 23 32 24 8 14	10 8	47	61	1260	
293	13	I_r	e F	6	11	35 7 17					Aleutian Islands?
294	13	I_r	e F	14	28	00 15 26					Aleutian Islands?
295	13	I_r	eP iL F	16	29	43 32 07 42				1110	
296	13	II_u	eP PR ₁ eS SR ₁ SR ₂ iL MN ME F	19	18	43 21 31 25 57 29 48 31 02 34 21 38 38 38 55 21 31	13 12	22	29	5720	Near Kamchatka?
297	14	I	iL F	2	30	28 44					
298	15	II_v	eP iL MN ME F	5	06	16 06 39 06 46 06 46 14	2 2	122	129	210	Felt slightly at Daet (SE Luzon).

Year 1926, No. 24.

October 16th to 27th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		AN	AE		
				h.	m.	s.	s.	μ	μ	Km.	
299	16	Iv	eP iL F	11	29	02 22 34				180	
300	17	Iv	eP F	1	21	20 34				360	Ilocos Sur (NW Lu- zon).
301	18	I	e F	8	40	30 08					Trace only.
302	22	I	M F	17	40	18 02					Trace only.
303	22	I	M F	18	55	19 16					Trace only.
304	22	I	M F	20	47	21 08					Trace only. Cauca- sus earthquake?
305	23	I	eP F	18	39	43 57					Trace only.
306	25	I	eL F	12	49	13 11					
307	26	I	e iL F	2	04	41 09 25 37					
308	26	III _r	iP iPR ₁ iPS eS iL ME F	3	50	00 51 50 55 03 56 00 4 01 54 03 27 5 28					All the phases we- re taken from Om- ori's seismograph.
309	26	Ir	eP iL ME F	6	16	58 26 12 28 14 7 43					10 77
310	26	Ir	eP iL ME F	8	40	44 50 00 51 41 9 37					10 9
311	26	II _r	iP iL ME F	14	21	30 50 42 31 48 15 24					11 11
312	27	Ir	e L F	0	41	49 51 00 1 22					
313	27	Ir	e iL ME F	5	04	09 12 00 13 22 58					7 14

Year 1926, No. 25.

October 27th to 31st, 1926.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
							s.	μ	μ	Km.	
314	27	I	e F	20	01	55					Trace only.
315	28	I _r	e L F	1	06	11					
316	28	I _v	eP F	21	07	29				710	Sulu Sea.
317	28	I _v	eP F	23	16	53				310	
318	29	I _d	eP iL	0	07	54				310	Central Luzon. End overtaken by following quake.
319	29	III _d	iP iL F	0	08	36				240	Central Luzon.
320	29	I _v	eP iL MN ME F	3	29	55				220	Aftershock of the No. 319.
321	29	I _v	eP iL MN ME F	7	19	40				240	Aftershock of the No. 319.
322	29	I _v	eP F	16	30	00				240	Aftershock of the No. 319.
323	30	III _v	iP iL F	10	12	06				220	Aftershock of the No. 319.
324	30	II _v	iP iL F	11	54	19				225	Aftershock of the No. 319.
325	30	II _v	iP iL F	13	48	17				730	Philippine Deep.
326	30	II _v	iP iL F	21	51	50				230	Aftershock of the No. 319. Moderate microseisms on the 31st caused by the north wind.

Year 1926, No. 26.

November 1st to 11th, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

$\phi=14^{\circ} 34' 41''$ N. $\lambda=120^{\circ} 58' 33''$ E. $h=2.40$ ms. Alluvium.

Instrument: Wiechert's astatic pendulum (1,000 Kg.)

	T_0	V	ϵ	$\frac{r}{T_0^2}$
A_N	3.36	182	2.199	0.182
A_E	3.47	175	2.004	0.142

No.	Date	Character	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A_N	A_E		
							s.	μ	μ	Km.	
327	1	I	e? F	23	35	49					
328	2	III _d	iP iL F	1	51	57 14				150	Near south coast of Luzon. Maxima lost by the force of the shock
329	2	I _v	eP iL F	10	28	53 25 42				290	
330	2	I	e F	16	13	27					Strong microseism on the 2nd.
331	6	I	iL F	9	34	51					Moderate micros. on the 3rd and 4th.
332	6	I	iL F	10	06	50					Typhoon E Luzon. Heavy micros. on the 5th, typhoon passing toward S of Manila.
333	7	I	e F	16	07	34 31					
334	7	I _v	eP iL F	18	12	00 17 21				150	
335	8	I	eL F	13	48	52 55					
336	9	I _r	eP L F	4	02	37 58 23					
337	9	I	eP L F	21	07	45 42 18				520	
338	11	I	e F	16	42	17 09					Trace only.
339	11	I	e F	23	10	34 24					Trace only.

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
340	12	I _v	eP iL F	20	32	21 33 39	00	μ	μ	350	Near Masbate I.
341	14	I	e F	1	35	49					Trace only.
342	14	I	e F	10	11	22					Trace only.
343	14	I _v	eP F	20	26	28 30				170	
344	17	I _v	eP F	18	30	22 34				225	Camarines Sur.
345	18	I _v	eP F	10	13	36 18				170	
346	18	I _r	e L F	16	37	30 42 58	29				
347	18	I _v	eP F	19	47	21 49				60	
348	21	I	eL F	11	27	37 38					
349	25	III _d	iP iL F	13	22	00 22 35	25			225	China Sea near western coast of Zambales.
350	26	I _v	eP L F	23	16	22 16 25	47			225	
351	17	I _v	eP L	5	09	42 10	43			550	NE Leyte I. End overtaken by following earthquake.
352	27	III _v	iP iL ME	5	20	42 21 23	50 15			620	Western of Leyte Island. End overtaken by following earthquake.
353	27	I _v	eP L	6	21	00 22	03			570	Aftershock of the No. 352.
354	27	I _v	eP iL F	6	50	22 51 7	29 26			610	Aftershock of the No. 352.
355	29	I _v	eP F	21	26	48 38				600	Aftershock of the No. 352.

D E C E M B E R , 1 9 2 6 .

356	2	I	e F	8	25	52 9	04				Trace only.
357	2	I _v	eP L F	17	31	00 32 48	42			940	

Year 1926, No. 28.

December 5th to 21st, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
				h.	m.	s.	s.	μ	μ	Km.	
358	5	I	e F	19	50	36					Micros. on the 4, 5 and 6.
359	8	I _v	eP iL F	16	53	10				875	
					54	45					
				17	02						
360	9	I _v	eP L F	6	44	17				210	Micros. on the 8th and 9th.
					44	40					
					52						
361	10	I _v	eP L F	0	52	48				200	
					53	10					
				1	00						
362	10	I _v	eP L F	5	17	25				315	
					18	00					
					28						
363	14	I _r	eP iL F	17	16	41					
					21	45					
					48						
364	15	I _r	iP L? F	23	25	41					
					29	35					
					49						
365	16	I _v	eP L F	2	30	18				730	
					31	38					
					42						
366	18	I _r	e L F	10	44	52					
					49	00					
				11	10						
367	18	II _v	iP iL ME MN F	17	31	25				220	
					31	49					
					32	11	5		126		
					32	25	4	127			
					44						
368	18	I _v	eP L F	18	02	11				800	
					03	38					
					15						
369	18	I _v	eP F	21	59	56				190	
				22	05						
370	21	I _v	eP iL F	7	48	48				290	
					49	20					
					58						
371	21	I _v	eP iL F	20	05	40				980	Celebes Sea.
					07	35					
					43						

Year 1926, No. 29.

December 22nd to 31st, 1926.

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Char-acter	Phase	Greenwich mean time			Per-iod.	Amplitude		Dis-tance.	Remarks.
				h.	m.	s.		A _N	A _E		
				h.	m.	s.	s.	μ	μ	Km.	
372	22	I _v	iP iL F	16	11	32 49 14				150	
373	23	II _v	iP iL ME MN F	4	42	27 47 51 53 49	2 3	129	139	180	Near Marinduque Island. Moderate micros. on the 23rd and 24th.
374	25	I _v	eP F	5	41	19 45				170	
375	25	II _r	e iP iFS iS iL MN ME F	6	49	34 05 18 43 00 18 40 44	8 8	21	21	2880	
376	25	I _r	eP iL? F	15	50	11 48 08					
377	28	II _v	eP iL ME MN F	1	27	57 29 36 14 41	6	69	69	290	Micros. on the 25, 26, 27, 28, 29, 30 and 31.