1918

TABLE I.—(SEISMOLOGICAL OBSERVATIONS).

No.	Date. 1918.	Time of Primary Disturbance. P.	Time of Secondary Disturbance. S.	Time of Maximum Effect.	Time of Last Noticeable Disturbance.	Max. Amplitude.	REMARKS.
		h. m.	h. m.	h. m.	h. m.	mm.	
1	Jan. 2	4·46·6	...	4·52·0	5· 3	0·1	
2	" 3	14·9·2	14·12·3	14·20·1	14·37	0·1	
3	" 4	4·44·0	4·55·2	5·19·7	5·59	...	
4	" "	...	...	16·40	...	...	Indistinct motion.
5	" 12	19·37·2	19·44·7	20· 0·0	20·48·5	0·3	
6	" 14	20·6·7	20·13·2	20·18·5	...	0.3	End lost in changing.
7	" 15	16·16·5	...	16.27·5	16·46·7	0·2	
8	" 16	7 22·0	7·27·9	7·34·2	7·56	0·2	Phases masked by wind.
9	" "	13·53·0	13·55·9	14· 3·0	14·20	0·1	Phases doubtful.
10	" 21	20·21·2	...	21· 2·5	21·44	0·3	
11	" 25	1·45·8	1·57·4	2·10·7	3·21·1	0·4	
12	" 27	2·56·4	...	3· 3·0	3·17·2	0·3	
13	" 30	21·30·1	21·39·0	21·50·4	0· 5·5	0·7	P more accurately 21 h. 30 m. 5 s.
14	Feb. 3	15·12·4	15·22·8	15·31·7	16·21·5	0·6	
15	" 4	18·15·1	18·21·3	18·33·0	19·15·7	0·5	
16	" 7	5·37·3	5·45·5	6· 3·8	6·40·3	0·4	
17	" 12	3·53·1	...	3·58·3	4·12·5	0·1	
18	" "	23· 4·2	...	23·16·0	23·25·5	0·3	
19	" 13	2·58·0	3· 5·4	3 33·8	4·10·4	0·5	
20	" "	6·19·9	6·30·7	7· 3·0	9·36·4	2·5	Swatow, Clima.
21	" "	21·10·4	...	21·15·8	21·40·6	0·7	
22	" "	...	...	13· 6	...	...	Slight disturbance of doubtful origin.
23	" 22	16·39·7	...	16·49·4	17·50	0·2	
24	" 24	23.10.6	...	23·28·8	0· 1	0·3	
25	Mar. 16	13·50.2	13·59·0	14· 7·8	14·41·7	0·2	
26	" 17	...	...	14· 2·	...	...	Small disturbance.
27	" 18	7·25·2	...	7·30·3	7·40·4	0·2	
28	" 19	6·52·4	..	7· 9·7	7·42	0·3	
29	" 20	2·15·3	2·25·6	2·33·0	3· 5	0·4	Phases doubtful.
30	" 21	6·12·7	6·17·8	6·31·2	7· 0	0·5	
31	" 24	23·24·08	23·33·2	23·48·2	0·18·5	2·4	
32	" 27	4·28·0	4·36·3	4·51·0	5· 4·2	0·9	Phases obscured by wind effects.
33	" 28	0·24·6	...	0·36·2	0·49·0	0·3	
34	" 29	9·40.2	...	9·51·4	10·18·3	0·1	
35	Apr. 3	3·10·5	...	3·12·6	3·18·7	0·2	
36	" 5	14·20·7	...	14·25·3	14·39·4	0·1	
37	" 10	2·16·2	2·23·8	2·53·6	2·40	1·2	
38	" 13	...	1·41·3	1·58·2	3·18	2·5	Owing to air raid gas was turned off
39	" 15	8 38·4	8·46·9	9· 4·5	9·33·3	0·2	

TABLE I.—*Continued.*

No.	Date. 1918.	Time of Primary Disturbance. P.	Time of Secondary Disturbance. S.	Time of Maximum Effect.	Time of Last Noticeable Disturbance.	Max. Amplitude.	REMARKS.
		h. m.	h. m.	h. m.	h. m.	mm.	
40	Apr. 16	11·53·2	...	12· 2·4	12·26·6	0·3	
41	" 17	2·52·3	2·59·7	3·21·6	4· 0·4	0·4	
42	" "	7· 9·0	...	7·22·4	7·46·3	0·3	
43	" 19	12·24·7	12·32·6	12·37·2	12·59	0·1	Possibly not of seismic origin.
44	" 21	22·44·1	22·54·0	23·14·2	1· 7.5	5·0	Origin in South California.
45	" 25	2·35·8	...	2·49·0	3· 8	0·4	
46	" 27	11· 3·1	....	11·12·4	11·17·2	0·2	
47	" "	15·18·6	...	15·31·5	15·52·5	0·3	
48	" 28	11·38·7	...	11·49·3	12· 4·2	0·3	
49	May 3	...	...	17·54	...	...	Slight disturbance.
50	" 4	6·28·	6·37·2	7· 6·4	7·55·0	1·0	Phases very indistinct.
51	" 6	5·26·7	5·35·5	5·40·7	5·58·6	0·5	
52	" 16	22· 2·2	22· 9·6	22·18·1	22·33	0·3	Very indistinct.
53	" 19	0·59·8	1· 4·2	1·12·0	1·41·4	0·2	
54	" 20	14·45·3	14·52 6	15· 1·0	17·10	...	Trace ran off paper.
55	" "	18·19·4	18·27·8	18·35	20·22	2·9	
56	" 23	12· 9·5	12·19·5	12·43·4	15·12·7	4·0	
57	" 25	19·49·0	19·56·2	20·10·3	21·47·7	1·6	
58	" 31	8·58·4	9· 9·7	9·38·5	10· 3·6	1·5	Phase evidences very indistinct.
59	June 1	9·15·3	...	9·20·2	9·28	0·5	Very doubtful.
60	" 3	0·12·9	0·20·4	0·31·7	1·48·9	2·9	
61	" 4	4·24·6	4·35·2	5·14·2	6·24·4	2·0	
62	" "	17·35·3	...	18·36·7	19·51·0	1·6	
63	" 5	23·39·3	23·47·2	23·53·6	0· 7·8	0·4	
64	" 7	21·39·3	21·49·2	22·16·5	23· 3·3	2·5	P_R occurred at 21 h. 43 m. 3 s.
65	" 10	16·36·7	...	16·45·0	17· 0·0	0·3	
66	" 11	...	...	13·5	...	...	Long waves of small amplitude.
67	" 12	4·57·1	...	5·10·7	....	...	End lost in changing.
68	" 15	...	...	0·36	...	...	Slight disturbance.
69	" 16	12·46·0	12·54·5	13· 3·7	...	...	Small and uncertain.
70	" 21	16·22	...	16·30·4	16·55	0·1	
71	" 24	15·16·0	15·23·0	16·3·3	16·54·2	1·0	Time signal failed.
72	" 26	14·26·5	...	14·32	15·2	0·4	
73	" "	22·42·9	22·46·4	22·52·5	23·2	0·2	
74	" 27	21·50·1	...	22· 5·0	23·25	0·3	
75	" 29	5·12·3	5·23·3	5·36·8	6· 4·2	0·8	Faint disturbance.
76	July 1	6 26·0	6 33·4	6·45·1	8·36 8	3·0	
77	" "	11 15·7	.	11·19·4	11 36·7	0·2	
78	" 3	7 8·0	7·11·9	8· 6·1	11 37 5	6·7	

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1918

TABLE I.—*Continued.*

No.	Date. 1918.	Time of Primary Disturbance. P.	Time of Secondary Disturbance. S.	Time of Maximum Effect.	Time of Last Noticeable Disturbance.	Max. Amplitude.	REMARKS.
		h. m.	h. m.	h. m.	h. m.	mm.	
79	July 4	11·29·7	11·36·6	11·42·3	12·5·7	0·3	
80	" 6	21·20·7	...	21·29·5	21·39·6	0·2	
81	" 8	10·34·6	10·44·1	11·3·0	14·15·2	8·8	Origin Assam.
82	" 11	...	9·56 ·9	10·4·7	10·20·0	0·4	Time signal doubtful.
83	" 15	0·34·5	0· 43·2	1·8·0	3·26·7	2·5	
84	" "	17·16·5	...	17·23·4	17·35·5	0·7	
85	" 16	20·9·2	20·13·9	...	21·0·5	...	Maximum phase lost in changing.
86	" 17	0·24·2	...	0·32·1	0·47·4	0·1	
87	" 21	4·13·0	...	4·19·3	4·27·4	0·1	
88	" "	6·29·2	...	7·28·9	9·30·7	1·7	
89	" "	10·25·2	...	10·58·4	11·57·7	0·3	
90	" 24	12·19·1	12·23·3	12·30·6	13·58	0·3	
91	" 25	21·20·0	...	21·46·1	22·13·7	0·5	Early phases very indistinct.
92	" 29	12·37·2	...	12·47·2	13·10·7	0·2	
93	" "	17·11·0	17·20·8	17·57·0	19·34·3	2·0	
94	" 31	..	15·10·1	15·21·7	16·15·4	1·8	
95	Aug. 5	1·36	1·44	2·53	3·54	0·5	Time uncertain.
96	" 8	10·10·6	10·21·0	11·7·7	11·46·5	0·4	
97	" 9	0·54·2	...	1·0·0	1·13	0·2	Wind effects obscure record.
98	" 11	13·27·4	...	13·33·0	13·55	2·7	Disturbance perhaps accidental.
99	" 15	12·36·9	12.44·3	13·12.0	15·21·6	9·7	
100	" "	17·57·3	...	18·23.4	19·17·8	1·6	Phases confused.
101	" 16	9·35·5	...	9·46·6	10·3·8	0·7	
102	" 17	7·6·7	7·16·7	7·44·0	8·24·5	0·7	
103	" 18	7·7·7	...	7·15·1	7·26·8	0·2	Small and doubtful.
104	" 22	17·50·6	17·58·2	18·19·8	19·9·5	0·2	
105	" "	22·32·6	22·41·4	23·7·2	23·41	0·3	P. very uncertain, owing to wind.
106	" 23	6·47·2	6·58	7·57·2	9·40	2·0	P. very uncertain, owing to wind.
107	" "	23·40·3	23·47·6	0·3·5	0·38	0·5	
108	" 25	1·25·2	1·31·3	1.37·4	1·59·7	0·5	
109	" 26	6·18·6	6·26·2	6·45·6	7·22·2	0·7	Early portion very indistinct.
110	" 28	12·15·1	...	12·28·5	12·30·4	0·1	Small and doubtful.
111	" 29	5·50·5	...	5·55·7	6·28·5	0·8	
112	Sept. 2	14·44·2	14·56 8	15·24·5	16·9·6	1·2	Time of P. doubtful.
113	" 5	7·48·0	7·57·8	8·13·6	8·34·5	1·7	
114	" 6	3·14·3	3·22·9	3·29·8·	3·44·7	0·4	
115	" "	12·40·8	...	12·48·7	13·1·5	0·2	Faint disturbance
116	" 7	8·3·3	8·11·5	8·22·7	8·51·8·	0·5	

TABLE I.—*Continued.*

No.	Date. 1918.	Time of Primary Disturbance. P.	Time of Secondary Disturbance. S.	Time of Maximum Effect.	Time of Last Noticeable Disturbance.	Max. Amplitude.	REMARKS.
		h. m.	h. m.	h. m.	h. m.	mm.	
118	Sept. 8	0·12·7	0·16·5	1· 2·3	1·44	0·9	
119	" "	6· 1·8	6· 9·3	6·30·7	7·19·7	0·9	
120	" 11	4·35·5	4·45·0	5· 6·6	5·38·0	1·0	Phases doubtful.
121	" 12	9·46·9	9·55·8	10· 9·6	10·23	0·4	
122	" "	13·38·8	13·44·3	14· 6·5	14·34·5	0·6	
123	" 13	7·34·6	...	7·42·0	7·59·0	0·6	Disturbances continued till 9h. 15m.
124	" "	11·28·2	...	11·58·3	12·24·2	1·0	
125	" 14	17·20·5	17.27·1	17·58·5	19·13·6	1·3	
126	" 16	6·49·2	...	6·56·4	7· 6·3	0·4	
127	" "	14·30·3	14·43·2	14·51·6	15· 7·3	0·5	Phases probably wrongly identified.
128	" 29	12·14·0	12·19·1	12·27·5	13·22·0	2·5	
129	" 30	13·46·3	13·55·1	14· 4·7	15· 5·0	0·5	
130	" "	18·11·4	18·21·5	19·23·5	21· 2	0·7	
131	Oct. 2	1·10·0	...	1·22·0	1·37	0.3	Time signal failed.
132	" 5	...	...	4·47·0	...	...	Faint disturbances.
133	" 9	9·44·0	9·53·6	10·19·6	10·50·8	0·7	Much wind.
134	" 11	14·24·87	14·33·19	14·41·7	17·57	24±	Origin in Porto Rico.
135	" 12	13· 4·2	...	...	13:20·5	0·7	Feeble disturbances.
136	" 14	12·37·2	12·45·0	13·16·5	14· 2·6	1·2	Much wind. Interpretation [doubtful.
137	" 16	20·24·6	20·35·5	20·53·8	21·22·0	0·3	
138	" 19	2·23·9	2·35·1	2·43·7	2·53·0	0·2	Masked by microseisms.
139	" "	3·35·2	3·44·8	4·14·0	4·58·4	2·2	
140	" 20	5·49·5	...	5·54·4	6· 5·4	1·5	
141	" "	...	...	15·18·3	15·30·0	1·0	Beginning lost.
142	" 21	18.24·1	...	18·32·9	18·46·3	0·8	
143	" 25	3·53·17	4·2·03	4·10·0	5·18·4	1·3	
144	" 26	2·17·8	...	2·23·2	2·37	0·3	Slight disturbance.
145	" 27	16·13·5	...	16·35·0	17·30	2·0	These two Earthquakes are confused together.
146	" "	17·43	17·52	18·19	19·19	4·7	
147	Nov. 3	11·33	...	12·52·0	13· 6	0·6	Beginning doubtful.
148	" 8	4·50·4	5· 0·2	5·27	8·50	3·2	
149	" 10	15· 0·2	...	15·21·5	...	3·7	Much wind. Phase uncertain.
150	" 12	19· 4·0	19·11·3	19·20·7	19·45	2·0	
151	" 13	10·14·7	10·21·8	10·33·5	10·40	0·5	
152	" 14	...	...	14·40	...	...	Feeble disturbance.
153	" 18	19· 1·25	19· 7·30	20· 2·0	22·10	14·4	
154	" 22	16·10·3	16·18·0	16·43·0	16·59	1·0	Uncertain of phase.
155	" 23	23 17·0	23 27·5	0· 2·0	1·20	1·5	
156	" 13	3 17	3 23·7	3 37·4	3·50	2·0	

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TABLE I.—*Continued.*

No.	Date. 1918.	Time of Primary Disturbance. P.	Time of Secondary Disturbance. S.	Time of Maximum Effect.	Time of Last Noticeable Disturbance.	Max. Amplitude.	REMARKS.
		h m	h. m.	h. m.	h. m.	mm.	
157	Nov. 28	5'45'2	5'57'0	6'42'5	7'46'4	0·4	
158	" 29	11' 3'6	11 '9'2	11'16'0	11'31'1	2·0	
159	" 30	7' 5'6	7'14'9	7'25'5	8' 7'0	1·7	
160	Dec. 1	2'44'6	2'51'9	3' 1'5	4'13	6·1	Perhaps P=2h. 52m. and S= 3 h. 0 m. 6 s.
161	" 2	9'57'0	10'4'4	10'14'5	13'14'0	22·5	
162	" 3	12'30'3	12'40'2	12'55'7	13'43'5	0·3	
163	" 4	12' 2'7	12'14'2	12'39'6	16'31	13·0	Origin Santiago.
164	" "	18' 9'2	...	18'28'3	19' 6'5	0·5	
165	" 6	8'52'7	9' 1'2	9'23'0	10'25	6·0	
166	" 9	18'25'2	18'30'4	18'43'7	19'36	0·2	Much wind.
167	" 18	...	...	18' 5	...	...	Obscured by wind effects.
168	" 23	...	...	20'23'0	21' 0'5	0·2	Beginning lost in changing.
169	" 25	10'44'2	...	11' 7'2	11'59'4	0·3	
170	" 27	5'59'5	6'11'2	6'17'4	6 33'0	0·4	Feeble photograph.
171	" 28	18'20'7	...	18'34'6	18'47'4	0·5	

TABLE II.

Total Amount of Sunshine recorded on each day.

1918.

Day of Month.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	...	2·1	6·5	0·3	0·1	14·2	13·4	3·4	2·8	2·7	...	0·1
2	4·2	0·8	4·7	4·5	4·0	14·7	5·6	2·6	1·5	0·3	0·9	...
3	6·1	...	2·1	7·9	1·9	9·8	11·1	0·3	11·2	...	...	2·4
4	...	5·8	...	...	5·7	12·6	8·2	7·8	...	8·0	1·4	0·3
5	..	3·1	...	3·6	6·3	13·4	4·0	6·7	...	0·1	5·2	0·3
6	..	...	7·1	2·9	7·4	12·8	2·8	2·5	5·6	7·6	7·8	0·2
7	1·2	0·9	...	3·6	0·2	9·3	6·5	8·1	6·5	7·8	6·8	3·2
8	4·9	6·8	...	4·6	6·5	9·4	5·2	5·1	0·3	6·5	3·9	0·8
9	0·1	...	7·5	...	11·8	1·7	9·5	5·9	7·2	...	3·3	0·1
10	1·3	0·3	0·1	...	12·0	7·3	3·9	8·3	11·0	5·1	...	...
11	0·9	...	...	2·6	5·2	5·4	4·9	4·5	4·3	5·6	2·6	...
12	0·1	...	0·2	...	7·4	2·8	7·3	8·6	5·6	7·4	3·4	3·2
13	2·6	...	6·4	...	0·4	6·0	11·6	10·2	7·2	6·2	0·9	0·3
14	...	0·1	1·0	3·1	1·8	5·6	3·4	7·1	...	0·5	6·5	4·6
15	...	...	1·5	2·6	0·3	11·6	3·1	10·0	..	6·4	4·5	...
16	5·1	0·8	...	2·6	4·2	4·7	4·9	2·3	2·5	4·5	2·1	3·2
17	...	3·8	4·8	6·5	8·9	0·8	1·8	0·3	4·6	2·9	3·2	1·8
18	...	...	2·8	2·9	13·2	...	5·9	5·4	6·5	...	...	1·6
19	...	0·8	...	6·9	14·7	1·3	9·7	3·5	5·6	1·9	2·7	0·2
20	...	...	2·5	...	10·8	1·5	2·8	7·7	3·2	0·7	...	0·1
21	3·0	5·1	8·2	0·3	7·6	2·5	9·7	11·2	0·9	...	3·9	...
22	0·2	0·7	10·6	10·8	10·3	8·4	...	7·0	6·7	0·5	3·4	...
23	...	2·3	10·8	6·0	...	11·0	2·3	10·0	1·9	6·0	...	3·9
24	0·1	1·6	11·6	9·4	5·9	10·4	5·6	9·5	...	0·5	0·7	...
25	3·1	8·9	7·6	8·7	7·9	6·3	10·5	...	8·5	0·6	1·9	3·3
26	0·7	2·3	5·8	8·3	0·2	4·2	3·1	3·0	1·5	4·3	...	2·5
27	0·4	...	0·1	13·0	10·5	0·8	10·7	...	5·3	...	4·6	0·2
28	5·2	1·9	2·6	12·7	14·0	5·4	8·5	5·1	5·6	0·2	...	0·3
29	3·6		9·5	10·1	14·1	14·2	13·0	5·7	...		0·2	1·2
30	7·1		0·2	10·4	13·5	11·5	14·0	1·6	...			

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