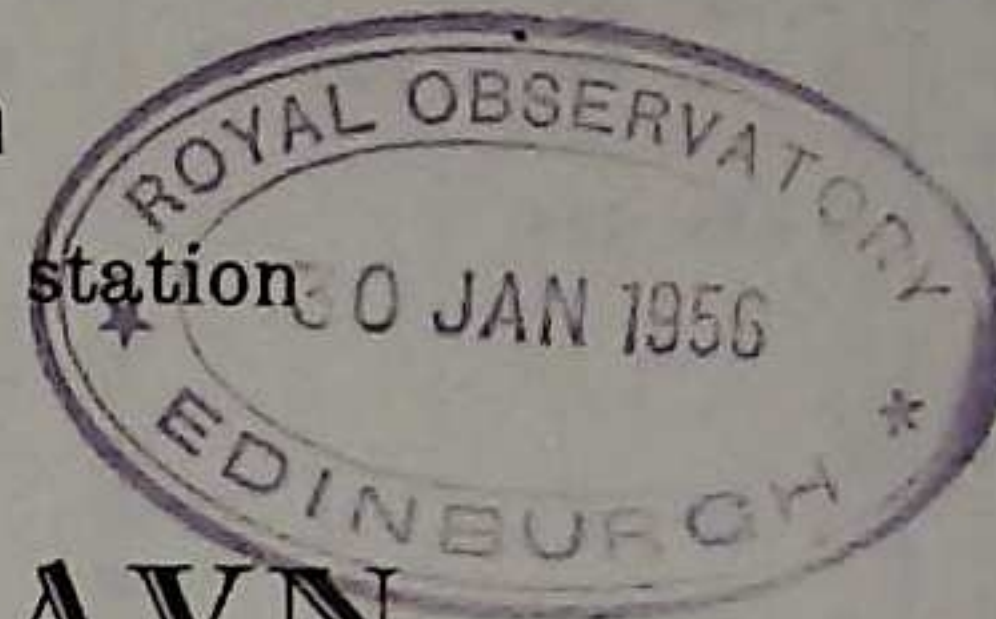


Geodætisk Institut

Proviantsgården, Copenhagen, Denmark

 Bulletin
of the seismological station


KØBENHAVN

 $\varphi = 55^{\circ}41' N.$ $\lambda = 12^{\circ}26' E.$ $h = 13$ m.

Lithologic foundation: chalk

Instruments:

Galitzin-Wilip seismographs.

Constants:

No. 64. Jan.—Dec. 1954.

Component	l	A_1	T_1	μ^2		T	k
	cm	cm	sec			sec	
N	12.5	100	12.64	0.0		12.5	103
E	12.5	100	12.69	0.0		12.3	103
Z	14.5	100	11.56	+ 0.1	$\frac{1}{1-\frac{26}{8}}$ $\frac{26}{8}-\frac{31}{12}$	7.3 9.3	74

Wiechert 1000 kg. horizontal seismograph.

Wiechert 1300 kg. vertical seismograph.

Constants:

Component	T	ν	ρ	V
	sec		mm	
N	7.9	3.8	0.3	207
E	8.1	4.2	0.4	210
Z	5.5	4.4	0.1	161

Milne-Shaw seismograph, E component, with the approximate constants $T = 12^s$, $\nu = 20$, $V = 300$.Benioff vertical seismograph, $T_1 = \frac{1}{4}^s$, $T = 1^s$. $V_{\max} = \text{abt. } 30\,000$.

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No.	Date	Hour	Forerunners				L	Δ	Remarks
			P or P'	S					
			m s	m s	m s	m s	h m	°	
1	1954 Jan. 1	13	e 22 30				26	23	Flores Sea. Strong microseisms. Greece.
2	2	1	e 18 14	e 22 17	i 18 23		.0		
3	4	13					65		Strong microseisms. Southwest of Spitzbergen.
4	6	15	i e 58 41+						Strong microseisms.
5	7	4			i 28 10	i 28 23	01		
6	10	14					48	83	No. Gal. Z record. Riukiu Islands [region].
7	11	17	i 21 16-	31 57 ^a			15		
8	11	23							48 ^m .5. 51 ^m 48 ^s . 55 ^m 29 ^s . New Zealand.
9	12	14	e 36 22						
10	12	14	e 40 23		e 41 17	45 00			
11	13	0					12		iSS 58 ^m 07 ^s . SSS 65 ^m .0. New Zealand.
12	13	0	i 33 12		e e 33 59	48 13	28		
13	18	14					.0		No Benioff record.
14	20	5					29		Tadzhik, S. S. R.
15	23	16	i 14 38		16 11	25 21	34		Aftershock.
16	23	17	i 20 04						
17	27	13	e 15 59				06		
18	30	4					11		
19	30	19					19		Kamchatka.
20	31	12		i 03 52	i 04 58	15 46			
21	Febr. 1	1	e e 19 53		23 35	25.9	50		SKS 30 ^m 23 ^s . 32 ^m 02 ^s . 35 ^m .9. 41 ^m .2. [Bonin Islands].
22	1	5					12		
23	1	6	i 29 05						
24	1	15		56.3			59		Northeast of Greenland. Strong microseisms. Seismic?
25	2	17							
26	3	9	e 15 07						
27	5	9	e 38 44		40 11	45 38	72		45 ^m 59 ^s . 47 ^m 05 ^s . 47 ^m 23 ^s . 49 ^m 40 ^s . 50 ^m .2. SS 56 ^m .2. SSS 60 ^m .0. New Britain.
28	5	15			i 41 03		57		Depth abt. 100 km. Destructive Mexico.
29	7	6	i 34 37				22		Strong microseisms. Depth abt. 100 km. [New Hebrides].
30	9	18							
31	9	23		41.0			46		North Atlantic Ocean.
32	11	0	i i 40 11+	i 48 17	41 05	43 23	58	59	i 45 ^m 09 ^s . ScS 50 ^m 07 ^s . China.
33	12	2					15		
34	15	20		e 16 05	e 15 12	17.4			SS 22 ^m 36 ^s . Peru.
35	17	1	e e 50 02	e 59 06			1.2	69	Kamchatka.
36	19	0	e 53 06		63.6	69.7	79		73 ^m .5. Nicaragua.
37	19	13					54		
38	19	15					20		
39	19	19	e i 27 46		i i 28 00	31 36	80		35 ^m .4. i 41 ^m 43 ^s . SS 51 ^m .3. SSS 57 ^m .6. Kermadec Islands.
40	19	22			57 44	58.2	73		SS 63 ^m .5. SSS 67 ^m .0. Nicaragua.

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No.	Date	Hour	Forerunners				L	Δ	Remarks
			P or P'	S					
			m s	m s	m s	m s	h m	°	
41	1954 Febr. 20	18	e 48 30		e e 50 29	53 14			i 56 ^m 35 ^s . iSKS 58 ^m 26 ^s . i 59 ^m 17 ^s . iSP 61 ^m 34 ^s . i 62 ^m 08 ^s . iPS 62 ^m 44 ^s . 63 ^m 30 ^s . i 64 ^m 06 ^s . i 68 ^m 01 ^s . i 69 ^m 39 ^s . i 71 ^m 26 ^s . i 80 ^m 41 ^s . Depth abt. 600 km. Flores Sea.
42	20	20	i 04 22						Depth abt. 100 km. Lesser Antilles.
43	20	21	e e 48 22		i 48 35				Kermadec Islands.
44	20	22					52		
45	22	1	i 24 41						Hindu Kush.
46	22	6	i 23 39						Japan.
47	22	10	e 38 57		i 39 12		69		Japan.
48	22	12			i 28 46	29 56	59		PS 32 ^m 53 ^s . SS 40 ^m .2. SSS 43 ^m .6. Sandwich Islands.
49	23	6	i 50 52	e 59 09	60 39		70	61	Tibet.
50	24	17	i 39 57						Japan.
51	26	0	i 03 55						Japan.
52	26	18	i 54 12						Depth abt. 200 km. Hindu Kush.
53	28	0					42		
54	28	1	e i 07 47	e 17 59	18 10		35	81	Riukiu Islands.
55	March 3	6	e 21 39		e 22 38	22 57	57.6		iPPP 25 ^m 23 ^s . i _N 30 ^m 43 ^s . iPS 32 ^m 31 ^s . PPS 33 ^m 13 ^s . iSS 39 ^m 07 ^s . iSSS 42 ^m 31 ^s . 49 ^m .5. New Guinea.
56	3	7	i 55 41-						Kamchatka.
57	3	16							
58	3	19	i 52 17		i 52 23				Western coast of Greece.
59	3	20	i 56 24						Southern Alaska.
60	5	4	i 25 17		i 25 26		52		Japan.
61	6	0	e i 48 11		i 48 14	i 48 17			ipP' 50 ^m 15 ^s . i 50 ^m 21 ^s . SS 70 ^m .0. Depth abt. 550 km. Fiji Islands region.
62	7	1	e 55 52		69.4		79		Ascension Islands region.
63	8	8	e 21 35						Galitzin interrupted. Ionian Islands.
64	8	13	e 49 37		i 49 38 ^a				Japan.
65	9	2	i i 32 21	e 41 05	e 34 41	42 44	49	66	SS 45 ^m .0. SSS 47 ^m .8. Mid Atlantic Ocean.
66	9	5	i i 50 40	e 59 46	60 40	64 37	74	69	Kamchatka.
67	9	10	i 43 58						Depth abt. 350 km. Fiji Islands.
68	13	1					27		
69	13	19					.1		
70	14	9			17.6	33.2	60		SSS 39 ^m .0. Fiji Islands.
71	14	17	e 55 52	e 64 52					Both forerunners doubtful. Kamchatka.
72	16	9	i 59 36		59 52				Eastern Mediterranean Sea.
73	19	2					25		
74	19	8	i 30 50						Fiji Islands.
75	19	10		i 17 06	18 35				California.
76	20	14	e e 15 27						Kurile Islands.

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
			m s	m s	m s	m s	h m	°	
77	1954 March	6	i 20 27				75.6		Kamchatka. i 61 ^m 27 ^s , i 62 ^m 27 ^s , i 63 ^m 11 ^s , i 63 ^m 47 ^s , i 65 ^m 29 ^s , i 65 ^m 46 ^s . Depth abt. 200 km.
78	21	23	i i 52 43+	i 61 19	i i 53 28	i 53 49			
79	22	9	i 58 37				1.9		Kermadec Islands region.
80	22	17					38		
81	22	19	e 08 35				36		Kamchatka.
82	23	13					09		Kamchatka.
83	24	17	i 32 49-		i 33 00		77		Japan.
84	26	4	i 47 00		e 49 42				Depth 230 km. Japan.
85	27	11	i 44 56		e 45 57				Very short period.
86	27	16	i 50 03				01		Aleutian Islands.
87	28	5							Repetition.
88	28	17	i 22 05				71	72	»
89	28	20	e i 47 49	i 57 13	48 19	58 07			»
90	28	21	i 09 29						»
91	29	4	i 13 44+	24 14	i 24 05		46	84	Philippine Islands.
92	29	6	i i 21 14	i 24 37	i 23 55	i 31 24			P: (-8.0, -6.5, -7.0; +5.9, +5.0, +2.8) per. 3 ^s .2. Depth abt. 150.
93	30	4			39 17		41		Sierra Nevada, Spain.
94	30	19			06.8	09 14	.6		Greece.
95	31	18	i i 35 25	i 43 16	36 05	i 37 43	56	57	09 ^m 38 ^s . SS 15 ^m 20 ^s . Havaii. i 38 ^m 54 ^s . Arabian Sea.
96	April	1	i i 30 14	39.7	34.6		55		Kurile Islands.
97	2	15	i 18 15		i 18 27		72		Kermadec Islands.
98	2	20	i 37 03						Kamchatka.
99	3	0	i 15 48						Repetition.
100	4	23	i e 25 34+		i 25 50		50		Japan.
101	6	10	i 24 56+						Southern Iran.
102	6	14	i 42 48-						
103	8	3					32		
104	8	4	e 22 59						
105	10	3	i 18 49						Kamchatka.
106	10	5	e 24 57						
107	11	3	e 22 04				60		Solomon Islands.
108	11	10	i e 35 07	42 53	i i 35 18		51	56	Arabian Sea.
109	11	11	i i 01 17	07 31	03 01	i 04 03		42	i 11 ^m 02 ^s . Masked by L-waves from [no. 108. Hindu Kush.
110	13	16					08		
111	14	14					.1		
112	17	20	e i 22 07	i 31 29	24 49	26 42	44	72	36 ^m 16 ^s . Aleutian Islands.
113	21	10	i 03 07						No Galitzin records. Caucasia.
114	22	15			23.5		43		Deep focus. Mariana Islands.
115	23	14	i 29 05						Perhaps some preceding movement.
116	23	18					56		
117	24	18					17		

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
			m s	m s	m s	m s	h m	°	
118	1954 April	0	e e 38 08	i 46 32	41 59	46 41	58	62	SSS 53 ^m .0. Off Liberia.
119	25	21					15		
120	26	20	e i 35 50	i 44 51	38 22	45 15	58	68	53 ^m .1. Kamchatka.
121	27	10	e i 19 20	i 30 07	29 50		46	88	South of Panama.
122	27	21	41.4						No Gal. H records. South of Tasmania.
123	29	8	e 42 39		e 42 53				
124	29	11	e e 02 10						No H-records. Gulf of California.
125	29	11	e e 47 08		i 57 29				Recording defective. Gulf of California.
126	30	0					41		
127	30	13	e e 06 43	i 10 02	i 06 47		12.0	18	Greece.
128	30	19					43		
129	30	23	e e 14 50	i 23 07	27.4	29.8	33.3	61	Mid Atlantic Ocean.
130	May	1	e 29 32	e 33 15	e 33 32		36	21	Aegean Sea.
131	1	18					50		
132	1	20	e e 58 04	e 61 53	i 62 05		64	21	Aegean Sea.
133	2	18		i 10 43			36		Sumatra.
134	3	5			e 33 35		37		Greece.
135	3	8	i 56 01	e 59 53			63	22	»
136	3	13	e 34 45	e 38 45			41	23	Dodecanese Islands.
137	3	15	i 40 55+	i 50 06	50 20	50 58	62.5	70	i 56 ^m 06 ^s . Kamchatka.
138	3	18					51		
139	4	8		e 41 45			44		Greece.
140	4	16	e e 47 30				53		»
141	4	16	e e 49 35						»
142	4	17	i 46 16				1.2		Kamchatka.
143	4	23					54		
144	5	0	i 41 37						Kamchatka.
145	5	3					09		
146	5	3	e 24.4				.9		Kamchatka.
147	5	11					45		
148	5	13	e e 22 29		22 48	24 26	49		i PP 25 ^m 23 ^s . i SKS 32 ^m 52 ^s . 33 ^m 15 ^s . SS 38 ^m .5. SSS 41 ^m .8. Gulf of California.
149	5	17					50		
150	6	9	i i 13 19	e 22 25	16 30	17 47	36		i ScS 23 ^m 11 ^s . Depth abt. 100 km. Kam- chatka.
151	7	0			53.4				Deep focus. Peru-Brazil border.
152	7	2	i 31 10+				15		Japan.
153	8	22					24.7	20	Jan Mayen region.
154	9	14	i i 18 53	i 22 29	22 46		22		
155	9	16							
156	9	20	i 56 37						Riukiu Islands.
157	11	23	i 01 41				33		Japan.
158	12	2	e 21 00	e 24 36			27	20	Greece.
159	13	14	i i 59 15	i 69 51	i i 59 32	62 27	87		i SKS 69 ^m 35 ^s . i 70 ^m 12 ^s . i 71 ^m 11 ^s . Depth abt. 100 km. Mexico.

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
			m s	m s	m s	m s	h m	°	
160	1954 May 14	22	i i 50 55 -	i 60 24	51 54	i 53 52			isS 62 ^m 07 ^s . iSS 65 ^m 32 ^s . isSS 67 ^m 02 ^s . Depth abt. 250 km. Japan.
161	15	12	e e 29 17	e 33 07			35	21	Greece.
162	16	13					36		
163	16	16					08		
164	16	20	i 18 27	e 24 40	(i) 19 05*	i 24 46	54		28 ^m 10 ^s . 29 ^m 12 ^s . Depth abt. 200 km. [Hindu Kush.
165	18	10					40.0		Switzerland.
166	19	9	e 37 21				1.1		34 ^m .7. 37 ^m .6. New Britain.
167	19	23			27.7	33.3	58		
168	20	3					38		
169	21	5			35.6		51		Alaska.
170	21	16		33.5					
171	22	16	i 12 33				44		Seismic?
172	23	4	e e 21 39	e 30 53	i 22 49	e 31 35			39 ^m .7. Depth abt. 150 km. Kurile Islands.
173	23	7			i 21 06				Recording interrupted. Celebes Sea.
174	24	16	i 55 44				55		Seismic?
175	24	22	e 40 05				12.8	19	Karakoram.
176	25	22	e e 07 38	e 11 03			78	70	Greece.
177	26	1	i i 54 17	e 63 25			28		Kamchatka.
178	26	10					36		
179	26	18							
180	26	19	08 55*						Kurile Islands.
181	27	6					31		No Benioff record.
182	27	14					07		" " "
183	28	2					52.5		" " "
184	28	7							" " "
185	28	13	i 42 02		i 42 05				Fiji Islands region.
186	29	5	e 55 52						Depth abt. 550 km. Fiji Islands.
187	29	14	i 47 27						
188	29	22	i 40 50						
189	31	16			i 07 19	i 13 26	40		Kermadec Islands.
190	June 3	21					38		17 ^m 06 ^s . SS 22 ^m .5. SSS 26 ^m .0. Flores Sea.
191	4	7	e 04 22		08 16	17 12	32		PPS 18 ^m 03 ^s . SS 22 ^m 52 ^s . Galapagos Islands.
192	4	10		e 66 43	e 65 51	73 31	1.6		Java Sea.
193	4	16			e 24 59	30.2	44		Gulf of California.
194	4	16	i 48 18						Kurile Islands.
195	4	21	i 03 25	i 03 29				35 km	55°22' N, 12°35' E. Felt at Stevns, [Eastern Zealand.
196	5	14					14		
197	6	15	i 35 44						
198	6	17	e 09 12		09 52	12 17	42		eSKS 15 ^m 54 ^s . iPS 19 ^m 19 ^s . SS 25 ^m .5. Western New Guinea.
199	6	18					.6		Beginning in previous L-waves.
200	7	10	e 33 36	i 41 15	e i 34 56	i 39 49			isSKS 43 ^m 12 ^s . Depth abt. 450 km. New Britain region.



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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
			m s	m s	m s	m s	h m	°	
201	1954 June 9	10					.9		
202	10	5					01		
203	10	18	i 55 06+		i 57 57-	i 58 12			Depth abt. 750 km. Fiji Islands.
204	10	22	i 49 46	i 59 34			105		Depth abt. 400 km. Japan.
205	11	11					38		No Benioff record.
206	11	17					41		
207	14	10					.5		
208	14	17					.3		
209	14	20		e 14 12			17.3		Greece.
210	15	13	i 42 31 -		i e 43 09-	i 54 10			i 54 ^m 35 ^s . i 55 ^m 08 ^s . i 56 ^m 11 ^s . i 65 ^m 20 ^s . Peru?
211	17	1	i i 53 25+	i 62 26	i 62 38	i 63 24		68	Kodiak Island.
212	17	2	i 20 02		i 20 17				
213	17	16	i 22 57						Seismic?
214	19	2	i i 08 38	e 18 27			37	78	Japan.
215	20	11	i 26 04						
216	20	22		e 26 28			37		Mid Atlantic Ocean.
217	21	2			e e 06 45	i 13 05			i 13 ^m 48 ^s . Northern Chile.
218	21	2	i 25 27						Banda Sea.
219	21	9	i 34 21						Seismic?
220	25	5	i 24 25		i 24 32	28.0	29.6		Arctic Ocean.
221	28	5			43.2	50.0	81		Antarctic Ocean.
222	30	13	e e 36 14	i 43 52	47 29	49.1	53.1		Ethiopia.
223	July 1	3	i 26 26				53.6		Kamchatka.
224	1	6					06		
225	2	2	e e 58 16		61 53	69 17	89		69 ^m 28 ^s . 70 ^m 28 ^s . SS 75 ^m .6. Philippine [Islands.
226	2	7	i 43 21				05		
227	2	23					62		Belgian Congo.
228	3	0	e e 43 07		51.4	55.4	56		Philippine Islands.
229	3	21	e e 27 41		e 38 02		74		iSKS 55 ^m 31 ^s . 56 ^m 39 ^s . SS 62 ^m 41 ^s .
230	3	22	i i 44 53		i 48 49	51 20			Depth abt. 100 km. Java.
231	5	12					52		
232	5	14		e 12 36	e 13 26		26		Kamchatka.
233	6	4			27 14	29.8			SS 36 ^m .0. New Britain region.
234	6	8	i 16 04+	25 27	i 16 18	20 32			i 25 ^m 37 ^s . i 26 ^m 12 ^s . SS 29 ^m .5. Depth abt. 100 km. Kurile Islands.
235	6	10	e e 25 38						Kurile Islands.
236	6	11	i 23 10						Repetition.
237	6	11	e e 25 11	i 35 03	i 35 34	40.5	50	77	SSS 43 ^m .4. Nevada, U.S.A.
238	6	22	e i 19 34	i 29 23			45	77	Repetition.
239	7	0	e 26 42		28 15				Norway.
240	7	0	i 49 23		50 53	i 51 06			"
241	7	2					.0		
242	8	11	i 23 48						Seismic?
243	9	12	e 40 02		43 32				Tonga Islands region.

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'		S				
	1954		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
244	July	9 15	<i>i e</i> 49 56-	59.4	<i>i</i> 50 06		1.3		Japan.
245	9	18	<i>i</i> 39 58+	<i>i</i> 49 05	<i>i</i> 41 01+	50 55	61		Depth abt. 250 km. Japan.
246	10	17					01		
247	10	23	<i>i i</i> 04 38+		05 48	06 24			<i>i s</i> PP 07 ^m 29 ^s . <i>i s</i> S 12 ^m 13 ^s . <i>e</i> 14 ^m 23 ^s . [Depth abt. 200 km. Hindu Kush.
248	11	17					48		
249	12	2					34		
250	12	17	<i>e e</i> 43 45	<i>e</i> 53 13	<i>e</i> 43 59	62.2	68	73	Kurile Islands.
251	12	19	<i>e</i> 03 18						Repetition.
252	13	8			<i>i</i> 24 54	41.1	60		New Britain region.
253	13	22					45		
254	15	0					24		
255	15	1					08		Some previous moving.
256	17	9					54		
257	18	6	<i>e e</i> 45 31		55 05	59.6	70		Kamchatka.
258	18	9	<i>i</i> 19 41	<i>i</i> 29 33	<i>i</i> 19 48	<i>i</i> 29 57	45	77	<i>i</i> 30 ^m 17 ^s . SS 34 ^m 20 ^s . Japan.
259	18	11					43		
260	18	13	<i>e</i> 23 14	<i>e</i> 27 06			30.6	22	Greece.
261	18	14	<i>i</i> 46 55	<i>i</i> 50 31			53	20	Ionian Sea.
262	18	20	<i>i</i> 12 37		<i>i</i> 12 51		27		Kermadec Islands.
263	21	9							
264	23	4			<i>i</i> 52 41	60 07	1.4		PS 62 ^m 16 ^s . PPS 63 ^m 32 ^s . SS 68 ^m 38 ^s . SSS 72 ^m .6. Central Chile.
265	23	14		<i>e</i> 60 11	63.3		69		Afghanistan.
266	26	20	<i>e e</i> 34 37		36 03	<i>i</i> 41 31	1.1		SKSP 45 ^m .6. PS 46 ^m .2. Central Chile.
267	26	22	<i>e</i> 20 16	<i>e</i> 28 44			39	63	Mid Atlantic Ocean.
268	27	21	<i>e</i> 08 21	<i>e</i> 16 40			27		Badly recorded. Mid Atlantic Ocean.
269	29	3	<i>i i</i> 45 52+	<i>i</i> 55 01	<i>i</i> 45 57		69	72	Kamchatka.
270	29	4					47.9		
271	29	6	<i>i</i> 47 56-						Kermadec Islands.
272	30	9	<i>e</i> 05 16		<i>i</i> 07 24	<i>i</i> 08 40	.7		<i>i</i> 17 ^m 36 ^s . 18 ^m 56 ^s . SS 24 ^m .5. SSS 29 ^m .7. Southeast of Easter Island.
273	31	1	<i>i e</i> 10 06	<i>e</i> 18 21	<i>i</i> 10 12	13 39	29	61	<i>i</i> 18 ^m 31 ^s . <i>i s</i> S 19 ^m 46 ^s . SS 22 ^m 31 ^s . SSS 24 ^m .4. Ningsia province, China.
274	31	22					37		
	Aug.								
275	1	4					22		
276	2	1	<i>i</i> 23 55						
277	3	18	<i>e e</i> 22 22	25.6			27.3		Aegean Sea.
278	3	23					27		
279	4	1					23		
280	5	3	<i>e</i> 52 59				58.6		Greece.
281	5	4					47		
282	5	9	<i>i</i> 01 12	<i>e</i> 10 36	01 27	06 45	.4	72	11 ^m 19 ^s . Aleutian Islands.
283	5	20	<i>e</i> 44 15	48.2			51.6		Forerunners badly recorded. Turkey.
284	6	0					44.5		Some very weak forerunners.
285	6	11	<i>i</i> 38 24	<i>e</i> 42 03	<i>i</i> 42 10		45	20	Greece.
286	6	16					11		

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'		S				
	1954		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
287	Aug.	6 16	<i>e</i> 30 25	<i>i</i> 38 55	<i>i</i> 40 27	43.1	51	63	Mid Atlantic Ocean.
288	6	19					29.1		
289	7	18					.6		
290	8	16	<i>i</i> 48 58						Fiji Islands region.
291	9	19	<i>i i</i> 27 50	<i>i</i> 36 46	32 07	<i>i</i> 37 46		68	SS 41 ^m .1. Kamchatka.
292	12	23	<i>i</i> 29 19+						Kamchatka.
293	13	0					.6		
294	14	1	<i>e e</i> 48 01	<i>e</i> 57 17	<i>e</i> 48 19		1.2	71	Kamchatka.
295	15	5	<i>i</i> 51 16						
296	16	9					27		
297	18	5	<i>i i</i> 01 45-		<i>e i</i> 02 25	<i>i</i> 05 13			<i>p</i> PP 05 ^m 48 ^s . <i>i</i> 06 ^m 14 ^s . <i>i</i> 12 ^m 58 ^s . Depth [abt. 150 km. Tonga Islands.
298	18	18					37		
299	18	23					54		
300	19	21	<i>e e</i> 08 15	<i>e</i> 12 18	<i>i</i> 08 19		15	23	Turkey.
301	20	15	<i>e</i> 37 57				52		Arabia.
302	20	17	<i>e</i> 34 03				39		Jan Mayen region.
303	20	19	<i>e</i> 25 56				31		" "
304	20	20	<i>e</i> 28 37	32.0			33.6		" "
305	20	20	<i>e</i> 40 56						" "
306	20	20	<i>e</i> 46 45						" "
307	20	21	<i>e</i> 08 43						" "
308	20	21	<i>e</i> 51 43	53.2			57		" "
309	20	22	<i>e</i> 13 33				18		" "
310	20	23	<i>e</i> 03 39				08.2		" "
311	21	0	<i>e i</i> 29 59				35		" "
312	21	0	<i>i</i> 30 28-						" "
313	21	4	<i>i</i> 17 40						" "
314	21	7	<i>e</i> 24 12	28.1			29.2		" "
315	21	13					03		
316	21	13	<i>e</i> 09 32				16		Jan Mayen region.
317	21	17	<i>e</i> 44 29				49.5		" "
318	21	20					45		" "
319	21	22	<i>e</i> 55 27				59.8		Jan Mayen region.
320	22	2	56.1				62		" "
321	22	10	<i>e</i> 12 27				17.5		" "
322	22	12	44.0				49		" "
323	22	18					32		" "
324	23	0					03		
325	23	9					22		
326	23	9	<i>e</i> 37 04				43		Jan Mayen region.
327	23	11	<i>e</i> 43 43				49		" "
328	24	6	<i>e i</i> 03 22-	<i>i</i> 13 14	06 13	08 12	28	77	SKS 13 ^m 30 ^s . PS 13 ^m 43 ^s . 14 ^m 52 ^s . <i>i</i> SS 18 ^m 10 ^s . Nevada, U.S.A. Masked by previous quake. Jan Mayen [region.
329	24	6	<i>e i</i> 22 36						
330	25	2	<i>e</i> 17 31						
331	25	2					14		
332	26	19					43		

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
333	1954 Aug. 26	20	m s	m s	m s	m s	h m	°	
334	27	11	e 07 43		e 18 28	20 22	20		SS 24 ^m 43 ^s . Bonin Islands region.
335	27	12	i 25 58				39		Masked by previous quake. Jan Mayen region.
336	28	10	i 13 21+				42		Japan.
337	29	0					17		
338	30	8	i 08 55				36		Recording interrupted. Kurile Islands.
339	31	22					56		
340	Sept. 2	2					02.5		
341	2	19			e 13 17	i 14 35			31 ^m 07 ^s . Santa Cruz Islands.
342	4	3			e 47 54	55 36	80		SS 63 ^m 36 ^s . New Guinea region.
343	4	4	i 23 58						Aegean Sea.
344	4	6	i 53 34						Nepal.
345	4	6	i 55 02						"
346	4	9					34		
347	4	14					18		
348	5	8	i 05 05		i 08 16	26.9			SSS 32 ^m .7. Fiji Islands region.
349	6	14					53		
350	6	16	e 59 27				90		Philippine Islands.
351	6	18	e e 41 57	e 50 59*	i 42 01	i 51 06	65	69	i 51 ^m 23 ^s . SS 55 ^m .4. Kamchatka.
352	7	0			e 31 24		47		Philippine Islands.
353	9	1	i i 09 23	i 13 06	i 13 22		15.2	21	Orléansville, Algeria.
354	9	1	i 21 32						Depth abt. 200 km. Tonga Islands.
355	9	2	e 57 09						Repetition to no. 353.
356	9	9	i 33 27	37.2			39.5		" " "
357	9	18					31		
358	10	5	i 48 51	i 52 40			54.8	21	Algeria.
359	12	8		e 05 06	05 35	05 49	19.5		SS 10 ^m 08 ^s . SSS 13 ^m .6. No Z-record.
360	13	2	i i 29 20-		i 30 09	i 32 49			Japan.
361	13	18					57		iPKS 33 ^m 05 ^s . PPP 36 ^m 05 ^s . SSS 57 ^m .4.
362	14	1	e 00 48		35.5		31		Depth abt. 150 km. Tonga Islands.
363	14	7			11 06		39		Philippine Islands.
364	14	7			i 47 16		63		" "
365	15	18	i 14 33		i 15 13	e 17 20			Riukiu Islands.
366	17	11	i i 22 28-		i 22 37	i 23 32			ePP 17 ^m 46 ^s . ePKS 18 ^m 02 ^s . iSS 35 ^m 36 ^s .
367	18	16					.5		Depth abt. 600 km. Fiji Islands.
368	20	0					21		Z-records only. Depth abt. 250 km.
369	20	0		e 65 08	e e 57 42	e 64 08	1.5		[Tonga Islands region.
370	20	3					01		SS 72 ^m 21 ^s . SSS 75 ^m .5. Celebes.
371	20	17	i 24 18				40		Depth abt. 550 km. Tonga Islands.
372	21	10					80	72	
373	23	21	i i 54 59	e 64 21	69.6	72.6			Kurile Islands.
374	25	12					.5		

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
375	1954 Sept. 28	1	m s	m s	m s	m s	h m	°	
376	Oct. 1	3			i 17 06-	i 18 20	.9		SS 34 ^m 36 ^s . No Benioff record. Santa Cruz Islands.
377	3	3			e 08 52	i 10 41	.7		iPPP 11 ^m 13 ^s . SS 26 ^m 28 ^s . Santa Cruz Islands.
378	3	11	i i 29 09	i 37 38	i 29 32	i 29 43	52		PP 31 ^m 49 ^s . iSS 38 ^m 01 ^s . i 39 ^m 36 ^s .
379	4	0					14		[Depth abt. 100 km. Alaska.
380	4	2					14		
381	4	10					36.0		
382	5	4	e 30 31				61		Japan.
383	5	11					52.9		
384	6	9					00		
385	8	10	i 57 38		e 60 18				Kurile Islands.
386	8	19	i 51 38						Fiji Islands region.
387	11	16					e 50.6		
388	13	22					34		Strong microseisms.
389	14	2					28		" "
390	16	0	i i 32 36				37.5		Jan Mayen region.
391	17	23			e 20 17	20 48	36		i 21 ^m 16 ^s . SS 25 ^m 15 ^s . California.
392	18	16	e 45 14	45 42	45 24			2.5	8°24' E, 56°44' N. Felt in Thy and Mors, northern Jylland.
393	19	17	e e 53 38	i 58 05	i 59 18		60.5	26	Northern Atlantic Ocean.
394	20	23	i e 54 15				1.5		Japan.
395	21	1					.1		
396	23	2	i 47 10						
397	24	10					24		
398	24	23					46		
399	26	10					44		
400	27	22					12		
401	30	22					29		
402	30	23	e 49 16	i 54 09	54 49		56.3	29	Azerbaijan, S S R.
403	Nov. 1	21					33.9		
404	2	8			42.6	i 49 04	1.2		SKKS 49 ^m 50 ^s . PS 52 ^m 09 ^s . PPS 53 ^m 13 ^s .
405	2	10							SS 58 ^m .0. SSS 61 ^m .7. No Benioff record. Sumbawa Island region.
406	5	23					25		L beginning in previous L-waves.
407	6	13					48		Strong microseisms.
408	7	5	i 38 40		i 38 42				Tonga Islands region.
409	11	5	i 22 09						Iran.
410	12	12	e e 39 17	e 49 42	50 34		66	83	Strong microseisms. California.
411	15	16			e 50 09		1.2		Strong microseisms. Mariana Islands.
412	17	17	i 30 41+		i 30 43+				Depth abt. 600 km. Mariana Islands.
413	18	5	e 31 15	i 40 33	e 31 41	41 22	54		Depth abt. 100 km. Kurile Islands.

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No.	Date	Hour	Forerunners				L	Δ	Remarks					
			P or P'		S									
			m	s	m	s	m	s	m	s	h	m	°	
414	1954 Nov. 18	20	i	i 56 44+							85			Japan.
415	19	6	i	i 06 25	i	14 59	08 18	i	09 12		33			Depth abt. 600 km. Sea of Japan.
416	21	7	e	57.2			e	57 40	e	57 50				Kermadec Islands.
417	23	13	i	03 51										Deep focus, Lipari Islands region.
418	23	21	i	24 03			24 12				51			Kamchatka.
419	25	11	e	28 38	i	38 36	e	31 39	i	39 05	.9	78		SS 43 ^m 46 ^s . SSS 46 ^m .8. California.
420	25	12	i	16 45-										Japan.
421	25	21									35			Depth abt. 650 km. Fiji Islands region.
422	25	21	i	i 52 10-			i	52 40+	i	e 54 50+				Kamchatka.
423	29	1	i	50 07-										
424	30	20									37			
425	Dec. 3	22									00			
426	4	7									55			
427	4	18	i	42 32+	i	51 49	i	52 32			65	71		Near Trinidad.
428	6	3									.8			
429	7	0									58			
430	7	15					19 07				40			Celebes Sea.
431	11	4									01			
432	11	13	i	i 02 42	e	07 12	i	03 05			09.5			North Atlantic Ocean.
433	16	11	i	i 19 07	i	28 55	i	19 13			45	76		Nevada, U.S.A.
434	16	11	e	i 23 21	e	33 12						76		Repetition.
435	21	12									56			
436	21	20	i	08 21	i	18 13	23 06	26 23			34	77		California.
437	23	9	i	56 53										Seismic?
438	23	16	e	31 40	i	35 10					37	19		Greece.
439	26	3	e	54 11							86			Japan.
440	28	1					28 09	41 43			55			New Britain region.
441	29	12									38			
442	30	2									16			
443	30	11	e	10 40	i	14 31					16	22		Greece.

December 1955

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