

No. 61

1951

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

No. 61. Jan.—Dec. 1951.

Instruments:

Galitzin-Wilip seismographs.

Constants:

Component	l	A_1	T_1	μ^2	T	k
	cm	cm	sec		sec	
N	12.5	100	12.64	0.0	12.7	103
E	12.5	100	12.69	0.0	12.3	97
Z	14.5	100	11.56	0.0	8.9	88

Wiechert 1000 kg. horizontal seismograph.

Wiechert 1300 kg. vertical seismograph.

Constants:

Component	T	ν	q	V
	sec		mm	
N	7.9	4.2	0.4	213
E	8.0	4.3	0.5	210
Z	5.1	3.2	0.2	166

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	△	Remarks
			P or P'		S				
			m s	m s	m s	m s	h m	°	
1	1951 Jan. 1	3					38		
2	1	21					23		
3	3	13					09		
4	3	18					31		
5	5	1	e 05 20	i 16 00	e 15 50			86	Panama.
6	6	5	i i 25 03	i 31 19	i 25 51	26 13			PP 26 ^m 55 ^s . pPP 27 ^m 31 ^s . PPP 27 ^m 54 ^s . sS 32 ^m 36 ^s . 34 ^m 41 ^s . 34 ^m 51 ^s . Depth abt. 250 km. Hindu Kush.
7	6	8	e 04 08	i 14 44					Interrupted. Depth abt. 100 km. Panama.
8	8	18	i 44 25-	e 54 17			74	77	Japan.
9	9	0	e 32.2	i 35 41			38		No Gal. Z record. Greece.
10	9	9					.7		
11	9	16	i 07 47+				19		Arctic Ocean.
12	14	10	e e 39 05						Tonga Islands.
13	15	4	i i 31 50		34 14	i i 34 45	1.2		PKS 35 ^m 23 ^s . PPP 37 ^m 20 ^s . 40 ^m 34 ^s . 41 ^m 44 ^s . 47 ^m 36 ^s . SS 52 ^m .5. SSS 56 ^m .8.
14	16	1					19		[Depth abt. 150 km. New Hebrides.
15	18	21	i 27 15	36.8			51.6		Aleutian Islands.
16	22	12	i 27 56+	i 37 43				76	Mozambique Channel.
17	24	5			19 22	25 39	53		Sandwich Islands region.
18	24	7					56		
19	25	17					.2		
20	28	14					05		
21	29	6					15		
22	30	23	i 13 18	e 17 42			20.5	25	Eastern Mediterranean Sea.
23	Febr. 3	0	i 04 25						Asia Minor.
24	7	3	i 51 01						Bonin Islands region.
25	7	7	e 08 27						Seismic?
26	8	10	e i 57 46						Tonga Islands region.
27	8	12					.1		
28	9	1	i 38 44						Depth abt. 600 km. Fiji Islands region.
29	10	4					.9		No Benioff record.
30	10	22					48		
31	12	17	i e 31 13	38 37	i 31 18	33 16	48	52	Siberia.
32	13	0	e 59 08		e 69 49		96		West of Australia.
33	13	12	i e 14 46		i 14 50	15 58			PP 17 ^m 47 ^s . SKP 18 ^m 10 ^s . PKS 18 ^m 28 ^s . pPP 19 ^m 30 ^s . SS 35 ^m .7. Depth abt. 250 km. Samoa Islands region.
34	13	22	i i 23 59	i 33 06	24 12	26 33		69	iScS 34 ^m 00 ^s . 34 ^m 18 ^s . Alaska Peninsula.
35	16	5	i 19 50						Seismic?
36	17	21	i 25 38		27 04	29 35			SKKS 34 ^m 34 ^s . SKSP 36 ^m 50 ^s . SS 43 ^m 11 ^s . Southeast of New Guinea.
37	19	22			51 15		1.4		East of Easter Island.
38	20	0					19.1		No Benioff record. No Gal. Z record. Northeast of Budapest.

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No.	Date	Hour	Forerunners				L	△	Remarks					
			P or P'		S									
			m	s	m	s	m	s	m	s	h	m	°	
39	1951 Febr.	13	i	03 12							34			Japan.
40	25	15	i	54 23										
41	March	1									48			
42	2	14	e	57 24										Alaska Peninsula.
43	5	20	i i	23 40	e 33.5		24	22	26.8		50			27 ^m 30 ^s . 34 ^m 54 ^s . 39 ^m .5. 44 ^m .1. Depth abt. 150 km. Riukiu Islands.
44	6	19	i	08 42			08	48			29			Assam.
45	7	19									15			
46	9	16	i i	28 25										Depth abt. 600 km. Fiji Islands region.
47	9	20					e 02	55	11.2		38			13 ^m .0. 13 ^m .9. 19 ^m .2. 23 ^m .0. Flores Sea.
48	10	10	e	43 25	e 47 18						50	22		Spain.
49	10	22	i i	16 38			17	15	19 52	1.0				20 ^m 09 ^s . 20 ^m 47 ^s . 29 ^m .2. SSS 42 ^m .0. Depth abt. 200 km. New Hebrides.
50	12	9	i	00 56							.1			Black Sea.
51	12	15	i i	02 48—	i 11 20		12	43				63		Assam.
52	13	18	i	03 31—			i 06	15						Depth abt. 600 km. Fiji Islands region.
53	14	9	i e	48 29			49	00	49.4					49 ^m 55 ^s . Western Germany.
54	16	14	i e	07 17	e 15 50						28	64		Eastern Tibet.
55	17	4	e e	38 00	e 46 28						.9	63		» »
56	19	20	i e	39 42	i 48 31						63	66		Northern Kamchatka.
57	23	21	i e	58 14			62.2		73 45					84 ^m .4. Depth abt. 300 km. Kermadec Islands.
58	25	20	i	28 23—										Depth abt. 600 km. Fiji Islands region.
59	29	6									.7			
60	31	1	i	58 51			e 59	18						Kermadec Islands region.
61	April	17	e	34 39										
62	2	0	e	26 26			36	54	37.9		57			Off coast of El Salvador.
63	2	22					29.9		46.5		65			SSS 50 ^m .3. New Britain.
64	5	3	i i	19 48+	i 23 20						25.4	19		Greece.
65	6	2									06			
66	6	23	i	04 48+										Deep? Japan.
67	7	0	e e	03 28							28			Assam.
68	8	21	i i	43 31	i 47 56						51	25		Turkey.
69	9	17									40			
70	9	23									59			
71	10	11	e	15 32			e 18.7				62			Samoa Islands region.
72	11	5									04			
73	14	1					09	30	10 42		39			12 ^m 12 ^s . Strong microseisms. No Benioff record. Depth abt. 250 km. Argentina.
74	14	4					19	37			31			Strong microseisms. No Benioff record. Turkestan.
75	14	13	e	42 37	e 50 21	i 42 40			54.1			56		Eastern Siberia.
76	14	23	e	51 20	e 59 45				61.2		72	62		Assam.
77	20	3									.9			

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			P or P'		S								
			m	s	m	s	m	s	h	m	°		
78	1951 April 22	3	e	48 06+					72			Tibet.	
79	22	12	i	43 19					53			Baffin Bay.	
80	23	7	i	10 11			i	10 47				New Zealand.	
81	25	18	i	41 46									
82	25	23	e	10 26								Southwest of Spitsbergen.	
83	26	18	i e	08 30								Kamchatka.	
84	26	19							54				
85	28	8	e	23 19			i	23 26					
86	29	7	i	43 11	e	49 08			56	39		Arctic Ocean.	
87	29	10	i	32 43								Depth abt. 600 km. Fiji Islands.	
88	29	19					e	59 10	e	60 48		Celebes?	
89	29	22			e	13 06			17 25			Arctic Ocean.	
90	30	15					e	48 25	e i	48 50	1.6	55 ^m .8. 58 ^m .4. 60 ^m .2. 65 ^m .6. Solomon Islands region.	
91	May 1	5	e i	22 35			i i	22 42	26.5			SS 45 ^m 56 ^s . SSS 51 ^m .0. South of Tasmania.	
92	2	16							52.0		1.1	Indian Ocean.	
93	4	12	i i	04 09	i	13 08	e i	05 05	07 35			iScS 13 ^m 42 ^s . Depth abt. 200 km. Japan.	
94	4	19									.9		
95	6	22									.5		
96	6	23	e	16 04							43	32 ^m 30 ^s . Depth abt. 150 km. El Salvador.	
97	6	23			e	30 43					19		
98	8	19									58.8	Seems deper than normal. Mozam-	
99	10	9	e i	30 29	e	40 21			45.2		32	[bique.	
100	10	15											
101	10	20							28				
102	10	22							33				
103	12	22	i	15 47	e	21 57			29	41		Turkestan.	
104	14	4	e	16 12	i	23 07			33	48		Baluchistan.	
105	15	5							37 07		65	43 ^m 42 ^s . Depth abt. 100 km. Chile.	
106	15	10	i	01 23								Mariana Islands.	
107	15	22	e	57 18								Northern Italy.	
108	16	2							31				
109	16	14							38.6		56	Molucca Islands region.	
110	16	14	i	35 31								Seismic?	
111	17	12	e	42 32									
112	19	15	e e	59 13	e	63.0	i e	59 19			65.2	Spain.	
113	21	8	i	46 04					47 33		55.6	57 ^m .6. SS 64 ^m 34 ^s . Depth abt. 150 km.	
114	25	20									48.5	[Solomon Islands.	
115	26	11			i	15 07					18	Greece.	
116	28	16									28		
117	29	6									56		
118	30	20					e	15 22	15 54		51	SKS 22 ^m .0. PS 24 ^m 46 ^s . 26 ^m 35 ^s . SS 30 ^m .8. All phases weak. Molucca Islands.	
119	31	21	i	08 27-	i	18 43			11.8		.6	19 35	Depth abt. 100 km. Philippine Islands.

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			P or P'	S					
			m s	m s	m s	m s	h m	°	
120	1951 June 1	17					.3		
121	2	7	i 01 06	i 12 13	11 44	18.5		91	SSS 22 ^m .6. No Gal. Z record. Borneo. Formosa.
122	3	18		e 52.8			69		
123	5	2					21		
124	5	3	i 41 14				49		
125	5	17	i 09 51-	i 19 42	i 10 06		.6		No Gal. records. Depth abt. 100 km. Japan.
126	6	16	i i 15 04				19.0		Jan Mayen.
127	7	22	i 45 45				52		Repetition?
128	7	23	e 18 50		e 18 57	22 40	72		SS 42 ^m .1. Kermadec Islands region.
129	9	4	i i 10 32						Depth abt. 600 km. Fiji Islands.
130	9	11	i i 28 57+	i 34 28			40	35	Western Iran.
131	10	0					.8		
132	10	9			e 12 18	i 12 30	26		
133	12	22	i i 48 23+		49 37	i 51 17			iScS 58 ^m 08 ^s . Depth abt. 200 km. [Hindu Kush.
134	15	21	e 00 50						Kamchatka.
135	17	3	i 59 31						Depth abt. 100 km. Costa Rica-Nicaragua border.
136	18	17	e 56 56		e 67.1				Depth abt. 600 km. Fiji Islands region.
137	19	17	e 06 30						
138	19	20					19		
139	20	22					29		
140	20	23					29		
141	21	0					.5		
142	24	11			19 48		.7		Mariana Islands region.
143	24	17					41		
144	25	4					19		
145	25	16	i 23 10-				.7		Depth abt. 100 km. Alaska.
146	26	4					.5		
147	27	16					24		
148	29	22					47		
149	July 2	5					.9		
150	2	22	e e 06 10				54		Tonga Islands region.
151	3	5	32 48	40 05			48	51	No vertical records. Gulf of Aden.
152	3	18		32 23	36.1		40		Repetition.
153	5	9		20 21	24.1		28		Turkestan.
154	8	5	e 57 32	i 68 39	61 23	i 68 05	1.5	92	i 69 ^m 44 ^s . Philippines Islands.
155	9	0	e i 16 46		20 01	27.0	43		Mexico.
156	9	1	i 42 50+						Japan.
157	11	18	e i 33 39		i i 33 41	i 35 28			PP 37 ^m 19 ^s . PPP 39 ^m 29 ^s . iSKS 43 ^m 22 ^s . iSP 44 ^m 35 ^s . isS 46 ^m 35 ^s . iSS 49 ^m 13 ^s . sSS 51 ^m 59 ^s . 56 ^m 11 ^s . Depth abt. 500 [km. Bonin Islands region.
158	13	7					08		
159	13	20			14.2	23.7	49		30 ^m .4. The readings uncertain. Solomon 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	°	
160	1951 July 14	7	i 15 18		i 15 31		39		Slightly deeper than normal. Kurile Islands.
161	14	7	29 40*		i 29 52				Repetition.
162	16	11			00.3	16.3	36		Depth abt. 200 km. New Guinea.
163	18	9	i i 16 47	i 25 25	17 17	19 05	34	64	20 ^m 53 ^s . Mid Atlantic Ocean.
164	19	20	i 52 52	e 62.3	62 44	67.3	75		Aleutian Islands.
165	21	1	i i 42 58+	i 51 31	51 45	52 55	64	64	Assam.
166	21	3			13.5	18 52	32		22 ^m 10 ^s .
167	21	3		39 55			.8		Arabian Sea.
168	21	20					54		
169	23	4	i 41 17						Depth abt. 100 km. Kurile Islands.
170	23	16		57 06					Arabian Sea.
171	25	17	i e 24 43-				53		Japan.
172	25	18					38		
173	25	20	i 46 09	e 56 13			76	79	Japan.
174	26	10	i i 11 37	e 21 15	i i 14 26	i 21 38	37.5	75	iScS 21 ^m 46 ^s . SS 26 ^m 11 ^s . Japan.
175	27	1	i 11 54				44		Japan.
176	27	16					.6		
177	28	21	i i 10 25				38		Japan.
178	28	23	e i 16 36	i 26 32	i 16 46	19 33	44	78	Japan.
179	30	0			06.6		26		Banda Sea.
180	31	10	i 07 06		i 07 17				Japan.
181	31	13			i 52 47				East of Java.
182	31	23					.2		
	Aug.								
183	1	14					06		
184	2	3	i 58 28		61 45	64 43			66 ^m 13 ^s . 69 ^m 04 ^s . iSS 75 ^m 49 ^s . Depth abt. 500 km. New Britain region.
185	2	10	e i 35 48		e 43 08	58.5	83		South of Easter Island.
186	2	16	i 25 27		i 25 38				
187	2	20		53.5			69		Nicaragua.
188	3	0	i 36 37		46 49		61		»
189	3	6					.1		
190	3	23	e 43 27				58		
191	4	6					07		
192	4	12					.1		
193	5	15					27		
194	5	16					.6		
195	6	7	i 39 27						Depth abt. 300 km. Japan Sea.
196	6	15			e 29 40		1.1		New Britain.
197	8	20	e 59 42		62.5		63.5		Italy.
198	10	5		e 51 19	58.0		61		No Gal. Z record. Mid Atlantic Ocean.
199	13	18	e i 38 01*	e 41 35	i 38 06			20	Destructive. Turkey.
200	14	18	e e 50 53	e 54 24			55.6	20	No Gal. Z record. Repetition.

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			P or P'		S				
			m s	m s	m s	m s	h m	°	
201	1951 Aug. 16	7	e 27 59						
202	17	0	i 00 05	e 06 26	10 03		16	43	No Gal. Z record. Iran.
203	18	4			i 02 49		30		Depth abt. 200 km. Molucca Islands.
204	19	3	i 25 56						
205	20	22	i i 56 43	e 60 47			64.2	23	Mediterranean Sea.
206	21	11		i 22 56	e 15 19	21 51	47		ePS 24 ^m 21 ^s . Hawaii.
207	22	14					24		
208	24	10	i 31 56	e 35 37	32 18		37.7		Depth abt. 100 km. No Gal. Z record. Ionian Sea.
209	24	14	i 32 40+	i 41 44	33 26	i 42 32			Depth abt. 150 km. Kurile Islands.
210	24	23	i 12 59						Japan.
211	25	0	i 34 04				34		
212	28	3							
213	28	16	i 49 45		i 49 51	i i 49 58			ipP ₁ ' 52 ^m 13 ^s . ipP ₂ ' 52 ^m 31 ^s . Depth abt. 600 km. Kermadec Islands region.
214	31	10	i 27 44		i 27 57				Depth abt. 600 km. Fiji Islands region.
215	31	12	i e 34 24	i 38 14			40.3	21	Greece.
216	31	20	i 23 23	e 27 31			30.5	23	»
217	Sept. 1	7		e 01.7			03.7		Italy.
218	1	9			34.4		52		Easter Island region.
219	1	23	e 57.7						Southwest of Crete.
220	5	8					42		
221	8	16	i 34 15						Depth abt. 500 km. Kermadec Islands region.
222	9	5			e 07 21		51		Samoa Island region.
223	12	15	i 21 50	e 31 10			44	72	Kurile Islands region.
224	13	0	e 39 12						
225	13	3	e 04 05						
226	15	22	e 56 34				61.9		Turkey.
227	17	21			12 15				Sumatra.
228	21	3	i 40 09+						Kermadec Islands region.
229	21	9			e 28 32		59		Molucca Islands.
230	21	11	i 56 00						Seismic?
231	21	19	e 04 57				61		Kermadec Islands.
232	22	23	i 50 40	i 58 56	65.3			61	North Atlantic Ocean.
233	24	13	i e 22 14	e 31 26	26 50	36 07	46		Depth abt. 100 km. Kurile Islands.
234	27	19	e e 35 29	e 44.6			.9		British Columbia.
235	28	1	e 45.1						South of Fiji Islands.
236	28	4					33		
237	28	12					47		
238	28	14	i 57 41						Kermadec Islands region.
239	28	15			23.8		37		Nicaragua.
240	28	23	e i 48 31		i 48 54	52 08	100		SS 72 ^m .0. Kermadec Islands.
241	Oct. 1	1	e e 31 40	e 35 54			38.9		Southeast of Crete.
242	2	0	e 10 39	e 19 23			32	66	Burma.

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			P or P'		S									
			m	s	m	s	m	s	m	s	h	m	°	
243	1951 Oct. 3	20	i i	54 09-										
244	4	5	i e	50 48+										Kermadec Islands.
245	5	11	e	57 30			80.9				1.9			Hindu Kush.
246	5	20	i	19 41										Kermadec Islands region.
247	8	4									42			
248	11	1	e	56 27			67 49	74.5			1.5			New Britain.
249	11	5	e	04 36							31			Japan.
250	13	23									.5			
251	15	21									42			
252	16	6	e e	59 18			e 63 25				65.4			iS _E without known time. Arctic Sea.
253	16	19									37			
254	18	8	i	37 56+										Deeper than normal. Strong microseisms. Japan.
255	19	0	e	59 27										Spitzbergen region.
256	19	15					i 03 02-							Depth abt. 100 km. Japan.
257	21	21	i i	46 30	i 56 38		i 46 36				72	80		Foreshock to next quake.
258	22	3	e e	41 45	i 51 57						68			Destructive, Formosa.
259	22	4	e	40 20										Repetition.
260	22	5	i	55 20										»
261	22	11									09.5			
262	22	11									51			Strong microseisms. Formosa.
263	22	13			11 08						29			» » »
264	22	15									28			» » »
265	22	15	i	42 03*	52 19		53 10				69			» » »
266	22	19	e	54 46							24			» » »
267	22	21									07			» » »
268	22	21									31			» » »
269	23	1	e	31 52	41 55						59			» » »
270	23	9	e	07 27	i 17 40						35			Formosa.
271	23	13			e 49 43		i 49 50				68			»
272	23	19									01			»
273	24	4			e 01 23						18			»
274	24	14									28			»
275	24	19	i	34 52+										Japan.
276	25	12	e	31 56	i 42 04						60			Formosa.
277	28	2	i	01 19-										Mediterranean Sea.
278	28	2									37			Formosa.
279	28	7	e	07 46			12 13							The records interrupted. Macquaria [Islands.
280	29	0									18			
281	29	16									44.5			Yugoslavia.
282	29	21									44			
283	30	16									08			
284	30	16									38			
285	31	7	e i	09 12	i 19 55		19 41	20 10			37	87		32 ^m .4. Sumatra.
286	31	19	e	22 47										
287	31	19									37			

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			P or P'	S					
	1951		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
288	Nov. 1	11	<i>e</i> 21.1				.7		Tanganyika region.
289	2	22	<i>e i</i> 01 13	<i>i</i> 05 39	<i>i</i> 01 35		08.5	26	Caucasus.
290	3	13	<i>i</i> 56 27				74		Strong microseisms. Kamchatka region.
291	4	11					56		
292	6	5					18		
293	6	15	<i>e e</i> 08 44				32		Foreshock to next quake.
294	6	16	<i>e e</i> 51 35	<i>i</i> 61 03	<i>i</i> 51 39	<i>i</i> 61 40	74	73	Kurile Islands.
295	6	19	<i>e i</i> 01 57	<i>e</i> 11 31	12 16		25		Masked by preceding shock. Repetition.
296	7	18					19.5		
297	8	13	<i>i i</i> 56 35	<i>e</i> 65 44	66 44		78	70	Alaska.
298	9	6					32		
299	9	8	<i>e</i> 08 45	<i>e</i> 18.4	18 38		33		Kurile Islands.
300	9	22		33 22	32 24	34 22			Depth abt. 100 km. Chile-Bolivia border.
301	10	6					41		
302	11	12					49		
303	12	8	<i>i</i> 21 02	<i>e</i> 30 26	35.2		44	72	Kurile Islands.
304	12	9	<i>e</i> 01 39						Masked by preceding shock. Repetition.
305	12	9	<i>i i</i> 32 49						Depth abt. 400 km. Masked by preceding shocks. Fiji Islands.
306	12	19					56		
307	13	15					06		
308	15	8	<i>i</i> 36 55	<i>e</i> 46 19			62		Deeper than normal. Kamchatka.
309	15	8	<i>i</i> 50 16						Repetition.
310	15	10	<i>i</i> 13 45	<i>e</i> 23 10			39		»
311	15	10	<i>e e</i> 42 35	<i>e</i> 51 42			68		»
312	15	15	<i>i</i> 14 02	<i>e</i> 23 17			43		»
313	15	19	<i>e e</i> 53 14	<i>i</i> 62 36	<i>i</i> 53 24		76		» Main shock.
314	15	22	<i>e</i> 10 21	<i>e</i> 19 39			36		»
315	16	1	<i>i</i> 50 38						
316	16	15	<i>i</i> 14 27	23.8			40		Kurile Islands.
317	16	15	<i>i e</i> 31 45						Kamchatka.
318	16	15	<i>i</i> 40 07						»
319	16	17	<i>i</i> 53 14				108		East of Kamchatka.
320	16	19	<i>e</i> 17 57				45		Kermadec Islands.
321	17	4	<i>e e</i> 56 02	<i>e</i> 64.1	67.8		73		Kamchatka.
322	17	20	<i>e</i> 35 52				66		East of Kamchatka.
323	18	4	<i>i e</i> 49 35				74		
324	18	8	<i>e</i> 31 27						
325	18	9	<i>i i</i> 36 38	<i>i</i> 44 43				59	Tibet.
326	18	9	<i>i i</i> 45 50	<i>i</i> 53 52					»
327	18	11	<i>e</i> 33 05						»
328	18	12	<i>e</i> 17 03						
329	18	19					.2		
330	21	19	<i>i</i> 14 29						Kurile Islands.
331	22	3					02		
332	24	2					26		
333	24	18	<i>i e</i> 59 30	<i>e</i> 69 40			88	80	Formosa.

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København

No.	Date	Hour	Forerunners				L	△	Remarks			
			P or P'		S							
			m	s	m	s	m	s	h	m	°	
334	1951 Nov. 24	19	e i	02 34	i	12 44					80	09 ^m 21 ^s . Formosa.
335	26	6	i i	50 49	e	61 04				78		Repetition.
336	Dec. 5	7								41		Strong microseisms.
337	8	4	i e	27 44	i	38 37	i	27 56	i	28 16	.9	31 ^m 49 ^s . 32 ^m 15 ^s . 38 ^m 10 ^s . <i>iPS</i> 40 ^m 40 ^s . SS 46 ^m .4. Depth abt. 100 km. South-east of Madagascar.
338	12	1	e	50 10			i	50 29	e	60 26	73	<i>e</i> 60 ^m 35 ^s . <i>i</i> 61 ^m 19 ^s . 61 ^m 45 ^s . No Benioff
339	13	20								55.6		[record. Depth abt. 100 km. Mexico.
340	20	19								22		
341	21	8	e e	48.4	i	57 32				69		China.
342	25	16								33		
343	26	10	e	16 53				31.3		35		Eastern Tibet.
344	26	16	i e	40 23	e	48.2	i	40 26		58		Gobi Desert.
345	26	17	e	04 40						.5		Later forerunners masked by preceding shock. Kurile Islands.
346	27	2	e	33 07								Strong microseisms. Kurile Islands.
347	28	9	i	33 12	i	44 08		36 42		38.7	62	40 ^m 20 ^s . SKS 43 ^m .9. SS 49 ^m .5. Mexico.
348	29	22	e e	16 31						47		South of Formosa.
349	30	18	i	29 02						42		Kerman.

March 1955

HENRY JENSEN