

Geodætisk Institut
Proviantgården, 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. 57. Jan.—Dec. 1947.

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	0.1	12.3	102
E	12.5	100	12.69	0	$11\frac{1}{2}-13\frac{1}{2}$	100
Z	14.5	100	11.56	0	8	88

Wiechert 1000 kg. horizontal seismograph.

Wiechert 1300 kg. vertical seismograph.

Constants:

Component		T	ν	q	V
		sec		mm	
N	$\frac{1}{1}-\frac{28}{6}$	8.6	3.0	0.7	202
	$\frac{28}{6}-\frac{24}{10}$	7.7	2.2	0.9	197
	$\frac{24}{10}-\frac{31}{12}$	8.3	$5\frac{1}{2}$	0.7	200
E	$\frac{1}{1}-\frac{28}{6}$	8.3	4.0	0.4	203
	$\frac{28}{6}-\frac{31}{12}$	8.3	4.2	0.9	203
Z	$\frac{1}{1}-\frac{31}{12}$	$6\frac{1}{2}$	6	0.3	145

Milne-Shaw seismograph, E component, with the approximate constants $T = 12^s$, $\nu = 20$, $V = 300$.

Benioff vertical seismograph, $T_1 = \frac{1}{4}^s$, $T = 1^s$. $V_{max} = ca. 30\ 000$.

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No.	Date	Hour	Forerunners				L	Δ	Remarks
			P or P'	S					
	1947								
	Jan.		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
1	3	0	<i>i e</i> 17 22						Japan.
2	3	2	<i>i i</i> 28 42	<i>i</i> 38 15			53	74	44 ^m .6. 46 ^m .4. 47 ^m .5. Japan.
3	3	2	<i>i i</i> 32 05	41.8	32 19				Japan.
4	3	3	<i>e</i> 07 03						"
5	3	3	<i>e</i> 43 06						"
6	3	9			35.0	36.0	52		39 ^m .5. Japan.
7	4	0	<i>i</i> 49 43						Japan.
8	4	0	<i>e</i> 52 01		<i>i</i> 52 10				
9	5	19					05		
10	8	0	<i>i</i> 18 04				51		P small. Philippine Islands.
11	9	12	<i>e</i> 27 37				58		Strong microseisms. Japan.
12	15	19					11		
13	15	20	<i>i</i> 02 29						Probably deep.
14	18	3					17		
15	20	0	<i>i</i> 44 40				77		
16	21	20					58		
17	23	10	<i>e</i> 28 30						Seismic?
18	23	16	<i>i</i> 09 03	<i>i</i> 18 21	19 00		35	71	No Benioff record. Aleutian Islands.
19	24	12	<i>e</i> 23 28						Seismic?
20	24	16	<i>i i</i> 59 58	<i>i</i> 69 54	62 56	75.1	88	78	78 ^m .8. Japan.
21	25	4		<i>i</i> 15 42	21 22	24.6	28		No Benioff record. Central America.
22	26	4			22 10		28		Afghanistan.
23	26	5	<i>e</i> 43 41						
24	26	10	<i>i i</i> 19 08	<i>i</i> 29 15	<i>e e</i> 19 48	<i>i</i> 22 25	43		PS 30 ^m 15 ^s . 35 ^m .9. P (-1.8, +6.0, +8.1; +2.0, -9.0, -16.0). Depth [about 100 km. Nicaragua.
25	27	3					39		Indian Ocean.
26	28	10			45 26	47 37	58		
27	29	6	<i>e</i> 03 49						
28	29	8	<i>i i</i> 30 54		<i>i i</i> 35 15	<i>i</i> 37 27			<i>i</i> SKS 40 ^m 40 ^s . 41 ^m 24 ^s . 44 ^m 28 ^s . <i>i</i> 44 ^m 38 ^s . 45 ^m 35 ^s . 47 ^m .2. 51 ^m .0. 53 ^m .7. Depth about 600 km. Argentina.
29	30	1	<i>e</i> 13 51	<i>i</i> 23 24			43	74	Indian Ocean.
30	30	12	<i>i i</i> 40 26	46 45	41 32	42 54			43 ^m 12 ^s . 48 ^m 05 ^s . <i>i</i> 50 ^m 10 ^s . Depth about 200 km. Hindu Kush.
31	Febr.	4	<i>i i</i> 50 01	<i>i</i> 59 28	<i>i</i> 50 06	<i>i</i> 59 53	1.2	73	Japan.
32	5	15					41		Weak.
33	6	8	<i>i</i> 06 31	<i>e</i> 16 30				78	S doubtful.
34	6	15	<i>i e</i> 13 44				1.1		South Pacific Ocean.
35	7	8	<i>i</i> 59 42		61 45	63 10	98		68 ^m 45 ^s . 72 ^m .2. SS 79 ^m .1. New Hebrides [Islands region.
36	9	5					21		
37	9	12	<i>i</i> 04 38						
38	9	19					32		
39	10	4	<i>i e</i> 11 34	<i>i</i> 19 15	13 53	<i>i</i> 21 30	28	55	23 ^m 25 ^s . Himalaya.
40	10	17					30		
41	11	10	<i>i</i> 15 06	<i>i</i> 24 39					Probably deep.
42	12	20					49		
43	14	17					58		

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No.	Date	Hour	Forerunners				L	Δ	Remarks
			P or P'	S					
	1947								
	Febr.		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
44	15	1	<i>i e</i> 19 15	<i>e</i> 28 41			.7	73	
45	16	9	<i>i</i> 31 39	<i>e</i> 41 46			58	80	China Sea.
46	16	12	<i>i</i> 34 01						
47	17	0						19	
48	17	22	<i>i</i> 30 27						
49	18	0	<i>e</i> 18 38						
50	18	13	<i>i i</i> 41 47	<i>i</i> 51 12	<i>i i</i> 43 24	<i>i</i> 53 56	69	80	<i>i</i> SS 56 ^m 30 ^s . Depth about 400 km. Japan.
51	18	14	<i>i</i> 12 41						
52	19	7					34		M 49 ^m .
53	21	22	<i>i i</i> 12 54	<i>e</i> 22 48	28.0		41	77	Japan Sea.
54	22	4					42		
55	24	6	<i>i</i> 43 24				58		Turkestan.
56	24	17	<i>e i</i> 45 13	<i>i</i> 56 25	<i>i</i> 49 02	<i>i</i> 55 38	78	93	PS 57 ^m 48 ^s . PPS 58 ^m 32 ^s . SS 63 ^m .3. [Peru.
57	25	23	<i>i</i> 36 08						
58	26	2					36		
59	26	5	<i>i e</i> 46 17	<i>i</i> 49 18					Gulf of Taranto, Italy.
60	28	19	<i>i</i> 40 18						
61	28	21	<i>e</i> 15 23		<i>i</i> 15 25				
	March								
62	2	1					49		
63	2	19	<i>e e</i> 28 08		<i>i</i> 29 18	<i>i</i> 31 48	62		SKS 34 ^m 54 ^s . <i>i</i> SKKS 36 ^m 09 ^s . <i>i</i> PS 38 ^m 48 ^s . 40 ^m .0. SS 45 ^m 15 ^s . 46 ^m 25 ^s . SSS 49 ^m .7. New Guinea.
64	6	14	<i>i</i> 10 39					42	Seismic?
65	6	18	<i>e</i> 04 56		14 41				"
66	7	5	<i>e</i> 37.5						"
67	7	6	<i>e</i> 04.1		12 20				"
68	8	15	<i>e</i> 09 28		<i>i</i> 09 29		33		
69	10	2	<i>e</i> 04 13	13 02	17.1		23	66	South Atlantic Ocean.
70	11	5	<i>i</i> 28 17						
71	11	17	<i>i</i> 11 22	15 20			18.1	22	Crete.
72	13	10	<i>i</i> 31 19						Probably deep.
73	13	13	<i>i</i> 37 33						"
74	13	14	<i>i</i> 06 08						"
75	16	9	<i>i</i> 44 49					72	Philippine Islands region.
76	17	8	<i>e</i> 29 50	<i>i</i> 38 15	<i>i e</i> 29 53	30 23	49	62	44 ^m .0. <i>i</i> 45 ^m 02 ^s . Sinkiang Province, [China.
77	18	9	<i>i</i> 07 16						Crete.
78	21	23	<i>i e</i> 04 55		05 27	<i>i</i> 09 25	12		
79	24	16	<i>i</i> 52 10						
80	25	20	<i>e</i> 52 20		<i>e i</i> 53 04	57 18			61 ^m 38 ^s . 63 ^m 55 ^s . 66 ^m 48 ^s . 67 ^m 18 ^s . 70 ^m .3. 77 ^m .8. No Gal. N record. Seismic sea-wave. East of North Island, New Zealand.
81	26	16					57		
82	27	7	<i>i</i> 40 52		<i>i</i> 41 11			41	
83	27	17							

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			P or P'	S					
	1947		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
84	March 27	20					34		
85	27	21					52		
86	28	3					50		
87	29	7					59		
88	April 2	5	<i>i 53 46-</i>		<i>57 23</i>	<i>58 26</i>	1.5		59 ^m .0. SKS 64 ^m 26 ^s . SKKS 65 ^m 29 ^s . 65 ^m 54 ^s . iPS 64 ^m 44 ^s . 68 ^m 07 ^s . iPPS 68 ^m 51 ^s . SS 73 ^m .3. SSP 74 ^m 13 ^s . North of New Guinea.
89	2	20	<i>e e 57 22</i>	<i>i 67 29</i>	<i>i i 57 25</i>	<i>i 67 45</i>	83	80	<i>i 68^m35^s</i> . Formosa.
90	3	1					49		
91	8	0	<i>i 13 48</i>		<i>e 20 50</i>		27		Phases masked by microseisms. Kirghiz Republic, Russia. Strong microseisms.
92	8	3					09		
93	9	14					7		
94	9	21	<i>e 21 41*</i>				34		Kirghiz Republic, Russia.
95	10	16	<i>e 05 20</i>						
96	10	16	<i>i 10 17+</i>	<i>i 20 24</i>	<i>13 17</i>	<i>25.6</i>	34	80	SSS 29 ^m .6. Northeast of Los Angeles. Indian Ocean?
97	11	0			<i>e 28.3</i>	<i>33.6</i>	48		
98	11	2	<i>i 13 23</i>						
99	11	14	<i>i i 42 01</i>	<i>i 52 21</i>	<i>e 45 23</i>	<i>52 47</i>	69	82	58 ^m 18 ^s . <i>i_Z 57^m45^s</i> . 58 ^m .0. Formosa region.
100	12	14	<i>e 08 48</i>		<i>e 12 44</i>		14.5		Aegean Sea.
101	12	16					11		
102	12	16					20		
103	13	4					51		
104	13	18					13		
105	14	4					4		
106	14	7	<i>i 27 06</i>	<i>e 36 42</i>	<i>37 27</i>		51	74	Japan.
107	16	13					31		
108	19	17			<i>e 50 03</i>		55		Turkey.
109	19	20		<i>e 37 11</i>	<i>37 20</i>		39.2		Greece.
110	21	4					.2		
111	24	19	<i>i 45 35</i>	<i>i 54 02^a</i>	<i>47 35</i>	<i>i 55 23</i>	63	63	Mid Atlantic Ocean.
112	29	6					15		
113	30	5	<i>e 00 15</i>	<i>e 09.1</i>	<i>13.1</i>		26		Canada.
114	May 2	2	<i>i i 30 15+</i>	<i>i 39 26</i>	<i>40 12</i>	<i>43.2</i>	52	70	Aleutian Islands.
115	2	15					01		
116	3	4	<i>e 18 48</i>	<i>22 41</i>			25	21	Turkey.
117	3	9	<i>i 47 35</i>	<i>i 57 25</i>	<i>57 52</i>		72	77	Japan.
118	4	0	<i>i 58 20-</i>						Persian Gulf.
119	4	22		<i>e 48 17</i>			56		"
120	6	20	<i>e e 49 32</i>		<i>50 49</i>	<i>53 30</i>	1.5		<i>iPS 60^m31^s</i> . <i>iPPS 62^m07^s</i> . <i>67^m51^s</i> . New Britain region.
121	7	11	<i>e 52 06</i>						



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			P or P'	S					
	1947		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
122	May 7	13					13		
123	7	15					01		
124	8	18	<i>i i 55 49</i>		<i>i i 56 07</i>				Depth about 65 km. Burma.
125	9	14					09		
126	9	22	<i>i 35 04</i>				41		
127	10	0	<i>e 17 23</i>	<i>25 36</i>			36	60	Near Okhotsk.
128	11	6	<i>i e 36 21</i>	<i>i 39 36</i>	<i>36 29</i>		86	18	Italy.
129	11	18			<i>58 00</i>	<i>64 26</i>	57		SS 71 ^m 59 ^s . SSS 75 ^m .7. Java Sea.
130	11	22							
131	13	14					31.5		
132	14	2	<i>e 27 33</i>		<i>30 38</i>	<i>33 46</i>	1.3		Loyalty Islands.
133	15	21	<i>i 05 29</i>						
134	17	7	<i>e 26 38</i>		<i>31 23</i>	<i>35 43</i>			SKKS 37 ^m 46 ^s . SKSP 42 ^m 25 ^s . PPS 45 ^m 18 ^s . 47 ^m 25 ^s . SS 52 ^m .2. SSS 59 ^m .4. [New Zealand.
135	18	1	<i>i 32 57</i>						
136	19	17					34		
137	22	8	<i>e 42 31</i>						
138	22	17	<i>i 27 27</i>						Seismic?
139	24	0	<i>i 19 36</i>	<i>e 26 56</i>	<i>21 35</i>	<i>30.7</i>	36	32	Gulf of Aden.
140	24	15	<i>e 20 55</i>	<i>e 28 18</i>			37	52	" " "
141	25	12					33		
142	25	16	<i>e 06 19</i>		<i>i 16 41</i>		33		Aleutian Islands.
143	25	23	<i>e e 12 22</i>	<i>22.6</i>			38		Formosa.
144	26	0					50		
145	26	11			<i>i 18 31</i>		44		S?
146	26	13	<i>i i 11 56</i>						Depth about 200 km. Kurile Islands.
147	26	19	<i>i 58 59</i>		<i>62 53</i>	<i>67 04</i>	1.6		70 ^m 04 ^s . 77 ^m 18 ^s . Solomon Islands.
148	27	3			<i>e 53 41</i>	<i>i 53 52</i>	1.5		<i>i 54^m17^s</i> . <i>i 54^m31^s</i> . PS 63 ^m 23 ^s . PPS 64 ^m 21 ^s . SS 69 ^m 16 ^s . Timor.
149	27	6			<i>e 17 48</i>	<i>27 26</i>			Wiechert Z record only. New Guinea.
150	27	18					.3		
151	28	15	<i>i 07 36</i>		<i>i 07 41</i>	<i>11 13</i>			H masked by longperiodic micro-
152	31	3	<i>i 09 56</i>						[seisms. Fiji Islands region.
153	June 1	11	<i>e i 23 09</i>	<i>e 26 47</i>	<i>23 27</i>	<i>i 26 55</i>	28.3	20	Southwest of Greece.
154	1	19					18.5		
155	1	22		<i>e 32 03</i>			40		Gobi.
156	2	6	<i>i 48 18+</i>	<i>i 54 30</i>	<i>49 59</i>	<i>57.4</i>	61	41	58 ^m 22 ^s . 58 ^m 48 ^s . No Benioff record. Turkestan.
157	4	0	<i>e e 33 55</i>	<i>i 37 20</i>			39.4	19	Sporades Islands.
158	6	0					57		
159	7	5					.7		
160	7	19		<i>12 14</i>	<i>04 49</i>	<i>13 19</i>	33		Philippine Islands.
161	8	0					27		
162	10	11		<i>37 26</i>			58		Masked by microseims. Philippine Islands.
163	10	19	<i>e 47 07</i>	<i>52 23</i>	<i>54 20</i>		56	33	Azores.

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			P or P'	S						
164	1947 June 12	9	<i>e i</i> 16 23	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	SKKS 27 ^m 29 ^s . PS 29 ^m 26 ^s . SS 35 ^m .2. Moluccas.
165	13	20	<i>i i</i> 38 09	49 22	<i>i</i> 38 13	<i>i</i> 41 57	70	93		48 ^m 44 ^s . PS 30 ^m 31 ^s . 55 ^m 39 ^s . 59 ^m .2. Marianna Islands.
166	13	21	<i>e</i> 13 48							Marianna Islands.
167	14	0	<i>e e</i> 03 37		07 20	14 41	36			PS 15 ^m 30 ^s . 21 ^m 05 ^s . Marianna Islands.
168	14	0	<i>e e</i> 44 02		47 48					Marianna Islands.
169	14	16	<i>e</i> 43 21		47 56		78			" "
170	15	14					.2			
171	16	0		<i>e</i> 35 03			42			Arabian Sea.
172	16	11					03			
173	17	1	<i>e</i> 18 34							Loyalty Islands.
174	17	14					.7			
175	19	2			<i>e</i> 31 29	38 20	61			38 ^m 38 ^s . Marianna Islands.
176	19	7	<i>i</i> 47 51		51 36	58 23	80			58 ^m 55 ^s . PS 60 ^m 21 ^s . SS 65 ^m 20 ^s . SSS [69 ^m .1. Marianna Islands.
177	19	23			14 08		19			Mid Atlantic Ocean.
178	20	13	<i>e</i> 43 00	<i>e</i> 50 00			58	48		
179	20	19					.7			
180	20	22					15			
181	20	23		<i>e</i> 21 21			25			Azores.
182	21	1		<i>e</i> 10 11			15			"
183	22	18	<i>e</i> 20 53		<i>e</i> 24 23		69			Readings uncertain.
184	23	12					07			
185	23	19					36			
186	23	21					57			
187	27	15					35			
188	28	2			12 00		35			Moluccas.
189	28	11		<i>e</i> 17 23			19			Württemberg.
190	30	8			16 07		41			Moluccas.
191	30	9					38			
192	July 4	15					32			
193	4	20					16			
194	5	3					.6			
195	7	22	<i>i</i> 40 04	<i>e</i> 43.6			45.5			Ionian Sea.
196	9	18					55			
197	10	10	<i>i</i> 28 07	<i>e</i> 35 04	30 45	36 32	43	48		38 ^m .7. Northern India.
198	10	16		<i>e</i> 28 32	21 18		48			Off coast of Guatemala.
199	12	2	<i>e</i> 10 25	<i>e</i> 19 48	20 44		34	72		No Gal. Z. record. Kurile Islands.
200	12	13			16.6					M 57 ^m . Masked by longperiodic microseisms. Tonga Islands.
201	16	19	<i>i</i> 32 42	<i>i</i> 42 42	35 40		62	79		East of Japan.
202	17	5					.5			
203	17	8	<i>i</i> 36 22		<i>i</i> 36 29					
204	18	12								
205	20	8	<i>i</i> 52 50				.2			

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No.	Date	Hour	Forerunners				L	△	Remarks	
			P or P'	S						
206	1947 July 21	0	<i>i i</i> 52 52		<i>m s</i>	<i>m s</i>	<i>h m</i>	°		Depth about 350 km. North of Ker-[madee] Islands.
207	21	4	<i>i</i> 15 13							
208	21	9	<i>i</i> 10 23							
209	21	9	<i>i i</i> 40 56		<i>i</i> 44 31					
210	23	17			<i>e</i> 33 04	<i>i</i> 33 09	68			SKS 38 ^m 56 ^s . iSKKS 40 ^m 11 ^s . PS 42 ^m 57 ^s . SS 49 ^m .0. SSS 53 ^m .5. South Atlantic Ocean.
211	23	21	<i>i</i> 41 45							
212	24	1	<i>i</i> 44 21							
213	24	12	<i>i</i> 36 18			39 23	40 08	80		New Hebrides Islands.
214	24	22						51		
215	25	1	<i>e</i> 18 52		<i>e</i> 21 49	31 40				32 ^m 13 ^s . Depth about 600 km. Fiji Islands region.
216	25	19	<i>e</i> 21 47	32 42	<i>e</i> 26 04	<i>i</i> 31 36				Depth about 600 km. Northern Argentina.
217	26	12	<i>i</i> 06 51	<i>i</i> 16 10	<i>i</i> 16 49			30	71	Kurile Islands.
218	26	16						.9		
219	26	23						.9		
220	27	20			18 40	26.0				Turkey.
221	28	3	<i>e</i> 59 05	<i>e</i> 67 21				80	61	Alaska.
222	28	7						48		
223	29	7						.2		
224	29	13	<i>i i</i> 53 43	<i>i</i> 62 08	54 22	55 24		72	62	iScS 63 ^m 37 ^s . Tibet-Burma border.
225	30	19						23		
226	31	7	<i>i</i> 58 27	<i>e</i> 61 25	62 14			64	16	Tyrrhenian Sea.
227	31	10						.5		
228	31	14		<i>i</i> 37 31						Longperiodic microseisms. Off Ecuador.
229	Aug. 2	1						55		
230	2	2						.6		
231	4	18						23		
232	5	14	<i>i</i> 32 51+	39 43	<i>i</i> 34 51	43.8		47.2	47	Baluchistan.
233	6	5	<i>i</i> 59 18	<i>i</i> 69 36	<i>i</i> 61 28	<i>e</i> 66 07				68 ^m 21 ^s . SKS 68 ^m 56 ^s . 72 ^m 21 ^s . 73 ^m 34 ^s . 79 ^m 35 ^s . Depth about 550 km. Brazil-Peru border.
234	6	9	<i>e</i> 51 05	<i>e</i> 54 46				56.5	20	Algeria.
235	7	0	<i>i</i> 51 51	<i>i</i> 61 19	62 01	66.3		72	73	SSS 69 ^m .3. Santiago, Cuba.
236	7	12		<i>e</i> 37 38				39.6		No Gal. Z. record. Algeria.
237	9	2	<i>i i</i> 58 55	<i>i</i> 67 35				78	65	Mid Atlantic Ocean.
238	12	6						20		
239	12	16						08		
240	15	4	<i>i</i> 16 28	<i>e</i> 20 53				23	25	Caucasia.
241	15	9	<i>e</i> 27 12							
242	16	6			<i>e</i> 08.1			17		
243	17	9			26.9			45		
244	17	15	<i>e</i> 08 40	<i>e</i> 12 10				15.1	19	Ionian Sea.
245	19	20		<i>e</i> 24 17				34		Himalaya?

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
246	1947 Aug. 22	2	m s 52 43		m s 53 58	m s 64 16	h m 1.5	°	72 ^m .5. No Gal. Z. record. South Pacific Ocean.
247	23	4		m s 54 09	m s 62 06		67		Burma?
248	23	14	e 02 03	e 10 07	04 21		.5	59	Interpretation doubtful.
249	24	11	i 45 29	i 52 14	46 42	i 55 31	59	46	Sinkiang province, China.
250	25	18					.8		
251	25	21	i 29 23						
252	27	13	i 57 44		i 58 28	61 29	105		62 ^m 14 ^s , 64 ^m 37 ^s , 69 ^m 46 ^s , 82 ^m .0. New Zealand.
253	28	7	i 01 37+	10 50	i 02 04	11 45	24	71	Kamchatka.
254	28	14	i 40 34+	49 35	54.2		62	69	"
255	28	20					52		
256	29	21					.8		
257	30	22	i 26 27-	i 30 22			33	22	P (-3.0, +1.8, -3.0; +6.3, -3.5, +4.0). Aegean Sea.
258	Sept. 1	22	i 22 29	i 25 29				16	Tyrrhenian Sea.
259	2	14	i 51 46-		i 55 01	56 36			i 58 ^m 12 ^s , i 61 ^m 28 ^s , 63 ^m 24 ^s , 65 ^m 10 ^s . Depth about 200 km. Tonga Islands region.
260	3	15	i 38 09	i 47 21			62		Depth about 150 km. Kuriles Islands.
261	3	19			17 36	18 42	58		Solomon Islands.
262	4	0			52 42		1.6		Samoa.
263	5	11					40		
264	10	0					.3		Phases masked by strong microseisms.
265	13	15	i 15 40	i 19 14			21.9	20	Ionian Sea.
266	13	22					48		
267	14	10	i 15 35						
268	17	18					.3		Strong microseisms.
269	19	8			13 52		16		No Gal. Z, N record.
270	20	19			10 58		.3		
271	23	12	e e 35 39	41.6					Iran.
272	25	23			e 49 27	e 56 31	71		64 ^m 28 ^s . Forerunners uncertain.
273	26	3	e e 12 01	e 17 58	20 43	21 31	24	39	Iran.
274	26	16	i i 14 03	i 23 59	24 38		37		Deeper than normal, China Sea.
275	Oct. 1	12	e 50 22		54 04	54 48			62 ^m 13 ^s . P' uncertain. Masked by long-periodic microseisms. Depth about [100 km. New Hebrides Islands.
276	2	12						02	ScS 31 ^m 04 ^s , SS 31 ^m 59 ^s , SSS 33 ^m .2.
277	3	6	i i 21 56	e 28 28	23 41	28 36			Depth about 300 km. Baluchistan.
278	3	6	i i 32 35	i 42 12				74	Superposed on previous shock.
279	3	23		55 15	i 55 36		72		Depth about 100 km. Mexico.
280	5	19			06 22	07 26	32		PS 09 ^m 44 ^s , SS 16 ^m .8. SSS 19 ^m .0. New Guinea.
281	6	15					40		

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
282	1947 Oct. 6	20	m s i i 00 06	m s i 03 34	m s i 04 28		h m 19	°	P gradually increasing. PcP very great. Greece.
283	8	4					02		
284	9	16					48		
285	10	2	i 58 40		i 58 48				South Pacific Ocean.
286	10	7	e 43 44		53 42	61.0	69		Japan.
287	10	8	e 34 34						Later phases masked by previous L-waves. Ionian Sea.
288	10	14	e 03 04		08 36		58		P' uncertain. Kermadec Islands.
289	10	17	e 43 02				76		
290	10	18					35		
291	14	2	e 01 26				1.2		Kermadec Islands.
292	14	22	i 37 28				53		
293	16	2	i i 19 52	i 28 03	21 24	22 05	38	60	27 ^m 41 ^s , ScS 29 ^m 47 ^s , SS 32 ^m 33 ^s , SSS 34 ^m .6. Alaska.
294	17	13					45		Only Wiechert running.
295	19	17	e 57 34						Seismic?
296	20	1	i i 53 22	61 34	57 07	63 13	71	60	68 ^m .2. Alaska.
297	21	10					23		
298	22	18					24		
299	24	18					.0		
300	27	10					39.5		
301	29	12	i 10 22		i 10 47				
302	Nov. 1	6	e 13.0	24 33	e 16 42	i 23 56	44		30 ^m .3. Sumatra.
303	1	15	e e 12 29	i 23 53	i i 12 34	i 23 08	46	96	i PS 25 ^m 29 ^s , Peru.
304	3	20	e 24 12						
305	4	0	e e 20 30	i 29 50	24 33	30 32	44	71	SS 34 ^m 33 ^s , Japan.
306	4	10	i 05 26						South Pacific Ocean.
307	5	0					01		
308	5	3					08		
309	6	16	e 22.4				29		Aegean Sea.
310	7	23					48		
311	8	2					26		
312	8	4					.7		
313	8	7					34		
314	8	14					10		
315	8	16	i 33 42				49		Himalaya.
316	9	5	i 17 21		20 33	21 28	61		23 ^m 09 ^s , 24 ^m 48 ^s , Loyalty Islands.
317	9	15					59		
318	10	1					.0		
319	10	4		09.5			12		Mid Atlantic Ocean.
320	12	11					.8		
321	12	16	i 38 28		i 41 41	42 20	84		SS 60 ^m 35 ^s , Loyalty Islands.
322	13	3					.8		
323	14	5					.9		
324	14	11		i 10 36	11 18	15.30	24		Depth about 200 km. Japan.

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
	1947		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
325	Nov. 15	20	<i>i 33 34</i>						
326	15	23					45		
327	16	2					24		
328	16	17	<i>i 55 11</i>						
329	17	10		<i>i 14 58</i>	<i>21 14</i>		24		Mid Atlantic Ocean.
330	17	11					.9		
331	19	13					54		
332	20	8					56		
333	21	4					.6		
334	21	20					.0		
335	22	23	<i>e 10 12</i>						
336	23	9	<i>i e 57 13</i>	<i>e 66 25</i>			76	70	Carpathians. Idaho, U.S.A.
337	25	13					.2		
338	25	19					05		
339	26	23					31		
340	28	17	<i>18 28*</i>						Seismic?
341	29	10	<i>e 18 15</i>	<i>e 21 42</i>			23.2		Aegean Sea.
342	29	18					30		
343	30	13	<i>i 14 01</i>		<i>i 14 10</i>				
	Dec.								
344	2	21	<i>i 55 30</i>		<i>i 58 12</i>				
345	5	23	<i>e 41 48</i>						
346	7	1	<i>i 52 03</i>	<i>i 58 17</i>	<i>e 52 58</i>	<i>e 53 10</i>		42	59 ^m 32 ^s . 61 ^m .6.
347	7	19	<i>e 28 30</i>		<i>e 34 52</i>				
348	8	18					.5		
349	9	5					10		
350	9	9	<i>e 52 30</i>	<i>i 56 38</i>			59.0	23	
351	9	17					01		
352	9	23					27		
353	9	23	<i>e e 45 19</i>	<i>i 49 38</i>	<i>45 40</i>	<i>i 46 47</i>	51.7	25	Asia Minor.
354	10	5					01		
355	11	13					.4		
356	15	13					32		
357	15	19	<i>e i 40 31</i>		<i>i i 42 08</i>	<i>e i 46 01</i>			SKS 47 ^m 16 ^s . 49 ^m 16 ^s . PPP 50 ^m 09 ^s . 52 ^m 53 ^s . <i>i 56</i> ^m 36 ^s . SS 68 ^m . Depth about 100 km. South Pacific [Ocean.
358	16	19	<i>i 47 35</i>						
359	16	21	<i>e 02 43</i>				31		
360	17	22					27		
361	19	2	<i>i 55 49</i>				69		
362	19	4	<i>i 46 13</i>	<i>e 53 12</i>	<i>56 24</i>		61	48	S badly marked.
363	19	16	<i>i 49 00</i>	<i>e 59 24</i>			81	83	
364	19	17	<i>e 36.0</i>				43		Asia Minor. Central America.
365	23	2	<i>e 08 33</i>		<i>i 08 39</i>				SSS 67 ^m .2. South of Australia.
366	24	5	<i>e e 41 06</i>		<i>44 45</i>	61.2	1.6		
367	26	17					.9		
368	27	16	<i>i 58 15</i>		<i>i 58 56</i>				

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'	S					
	1947		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
369	Dec. 29	18							
370	30	0		<i>e 11 55</i>	<i>e 19.5</i>		23		North Atlantic Ocean.
							15		
371	30	2	<i>e 07 55</i>	<i>e 18 40</i>	<i>19 40</i>	<i>i 19 47</i>	37	87	Near coast of Costa Rica.
372	31	5	<i>e e 36.0</i>	<i>e 40.3</i>			42	25	North Atlantic Ocean.
373	31	15					12		
374	31	15	<i>e 26 02</i>		<i>i 26 25</i>	<i>30 02</i>	71		39 ^m .2. Samoa Island.
May 1954									HENRY JENSEN