

No. 19.

 GEODÆTISK INSTITUT  
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## Bulletin of the Seismological Station

IVIGTUT.

 $\varphi = 61^{\circ}12' \text{ N.}$      $\lambda = 48^{\circ}11' \text{ W.}$      $h = 20 \text{ m.}$ 

Lithologic Foundation: Gneiss.

 Instruments: WIECHERT 1000 kg horizontal seismograph.  
 WIECHERT 1300 kg vertical seismograph.

Constants:

Component	T	v	r	V
	sec.		mm	
N	8.8	3.6	0.4	180
E	8.9	3.8	0.6	215
Z	4.8	3.0	0.1	189

No.	Date	Hour	Forerunners				L	△	Remarks.				
			P or P'		S								
			m	s	m	s	m	s	h	m	°		
1	1950 Jan.	3							.8				
2		12	i24	09									Depth about 500 km. Fiji Islands.
3		17							45				
4		1							51				
5	Febr.	0							46				
6		2							44				
7		10	i31	50	i40	50	i31	56	i33	10	48	72	isP 33 <sup>m</sup> 48 <sup>s</sup> . 42 <sup>m</sup> 18 <sup>s</sup> . 44 <sup>m</sup> .5. Depth about 350 km. Japan.
8	Mar.	2					26	47	32	56	60		39 <sup>m</sup> 34 <sup>s</sup> . SS 41 <sup>m</sup> 43 <sup>s</sup> . 55 <sup>m</sup> .4. Masked by micro- seisms. Philippine Islands.
9		13	e22	59			29.3				34.2		Aleutian Islands.
10		21					44.8		1.4				Sumatra.

No.	Date	Hour	Forerunners				L	△	Remarks.			
			P or P'		S							
			m	s	m	s	m	s	h	m	°	
11	1950 Apr. 4	18	e54	41	63.5				74			Southwest of Lake Baikal.
12	5	18							19			
13	15	15							23			
14	16	22							11.2			
15	26	7	e17	29	27 58	27 46	33 13		48	84		Honshu, Japan.
16	May 9	11							49.1			
17	11	0							30			
18	17	11	i57	59	i67 15	70 50				80		Depth about 600 km. Japan Sea.
19	17	18	i32	25		34 41	i35 46					SS 52 <sup>m</sup> .5. New Hebrides
20	19	2	i57	23		59 43	60 48					Aftershock.
21	19	7				27 09	28 12	1.2				"
22	25	8							56			
23	25	18				53 25	i59 35	1.4				60 <sup>m</sup> 21 <sup>s</sup> . Mariana Islands.
24	26	1				e38 52	39 21		71			i40 <sup>m</sup> 00 <sup>s</sup> . SS 56 <sup>m</sup> .5. Depth about 100 km. New Hebrides.
25	27	12							1.9			
26	28	1				58 30	59 25	1.7				New Hebrides.
27	June 5	11							30.9			
28	7	15	e28	39		29 00	29 06					29 <sup>m</sup> 11 <sup>s</sup> .29 <sup>m</sup> 15 <sup>s</sup> .Near shock.
29	7	17	i03	30	12 27	e03 52	i03 59		26	68		13 <sup>m</sup> 20 <sup>s</sup> .14 <sup>m</sup> 18 <sup>s</sup> .Depth about 100 km. Northern Peru.
30	8	16	e22	08		36 06	41 50		58			South Atlantic Ocean
31	11	23							33			
32	19	13							34			
33	20	5							52			
34	20	14							26.3			
35	21	7	e14	53		17 17	i18 21		57			New Hebrides.
36	21	10							53			
37	24	22	i44	42		48 06	48 16	1.4				60 <sup>m</sup> 23 <sup>s</sup> .65 <sup>m</sup> .4.New Hebrides.
38	25	11				41.4			63			Philippine Islands.
39	27	15	53	33		63 16	63 28		77			Off Hokkaido, Japan.
40	July 3	10							55			
41	7	17				24.4			47			Solomon Islands region.
42	9	3							48			
43	9	4	e50	24	58 51	i50 27	i52.34					esP 53 <sup>m</sup> 44 <sup>s</sup> .i58 <sup>m</sup> 55 <sup>s</sup> .i59 <sup>m</sup> 31 <sup>s</sup> .isS 62 <sup>m</sup> 45 <sup>s</sup> .SS 63 <sup>m</sup> 45 <sup>s</sup> . Depth about 600 km. Western Brazil.



No.	Date	Hour	Forerunners				L	△	Remarks.								
			P or P'		S												
			m	s	m	s	m	s	h	m	°						
	1950																
44	9	5	00	25	08	52	02	35				sS 12 <sup>m</sup> 35 <sup>s</sup> . Aftershock.					
45	9	9	i55	24	63	52	64	31				Aftershock.					
46	9	16	i21	15	i	30	16	31	41			Hindu Kush.					
47	12	11	e18	56	e	26	50	e	24	54	28.9	37	57	Aleutian Islands.			
48	20	10						04.8			09.3	29		Fiji Islands region.			
49	21	20						54	29		58	52	1.7	New Hebrides Islands region.			
50	23	0										16					
51	29	15										03					
52	29	17					05	42			22	14	43	Molucca Passage.			
53	30	0	i	07	56		i	09	35		19	28	46	SS 26 <sup>m</sup> 0. Solomon Islands region.			
	Aug.																
54	1	9					33	14			33	23	48	Japan.			
55	2	14	e	01	45	e	11	37			03	06		Perhaps deep. Red Sea region.			
56	3	22	e	27	50	e	35	27			37	35	38	59	44	54	SSS 40 <sup>m</sup> 5. Venezuela.
57	5	9	i	36	49		i	37	25		41	12	1.7	48 <sup>m</sup> 34 <sup>s</sup> . New Zealand. From 5 <sup>d</sup> 20 <sup>h</sup> to 9 <sup>d</sup> 17 <sup>h</sup>			
58	14	23	e	03	18*	i	13	18*			i	05	31	106	34	no time-marks. iSKS 12 <sup>m</sup> 48 <sup>s</sup> . i17 <sup>m</sup> 04 <sup>s</sup> . 17 <sup>m</sup> 26 <sup>s</sup> . 22 <sup>m</sup> 33 <sup>s</sup> . Depth about 650 km. Northern Argentina.	
59	15	14	i	22	12		i	32	34		i	24	07			31 <sup>m</sup> 41 <sup>s</sup> . 32 <sup>m</sup> 16 <sup>s</sup> . i33 <sup>m</sup> 45 <sup>s</sup> . Very great destructive quake. Assam.	
60	15	19											21		No Z record from 15 <sup>d</sup> 15 <sup>h</sup> to 17 <sup>d</sup> 17 <sup>h</sup> .		
61	16	6											25				
62	16	7											22				
63	18	1	i	20	21		e	30	43				54		Repetition to no. 59.		
64	18	17	i	11	17								39		"		
65	23	19											39				
66	26	4	e	47	45	e	54.5						62		Alaska.		
67	31	7					40	53			46.0		61		Japan.		
	Sept.																
68	2	2	e	57	05*	e	65	00					75		Aleutian Islands.		
69	9	11											20				
70	10	15	e	34	59		e	38	09				1.2		New Hebrides.		
71	13	03											.3				
72	16	22		08.1			18	00							Aleutian Islands.		
73	19	21					06	40			10.7		27		New Guinea.		
74	23	0					20	58			29	45			32.4. Deep focus. Fiji Islands region.		
75	29	6	i	42	21	e	50	26			45	46	56	13	59	Mexico.	
76	29	8											61				
77	30	7	i	41	33		52	13			57	25	75	86	Repetition to no. 59.		



No.	Date	Hour	Forerunners								L	△	Remarks.	
			P or P'		S		m s		m s					
			m	s	m	s	m	s	m	s	h	m	°	
78	1950 Oct. 5	1									41			
79	5	16	i19	19	e27	11	20	17	i21	20	37	57		i22 <sup>m</sup> 57 <sup>s</sup> . i28 <sup>m</sup> 20 <sup>s</sup> . SS 31 <sup>m</sup> 41 <sup>s</sup> . SSS 33 <sup>m</sup> .4. North west of Costa Rica. e49 <sup>m</sup> 21 <sup>s</sup> . 53 <sup>m</sup> 27 <sup>s</sup> . Molucca Passage.
80	8	3					e43	45	e46	05	80			
81	8	15									55			
82	19	10									59			
83	21	10			01.1		05	13	07	42	13			Mexico.
84	23	16			30	51	34	52	37	09	41			Strong microseisms. Guatemala.
85	26	16									51			
86	31	20									50			
87	Nov. 2	15					49	39	i55	19	90			56 <sup>m</sup> 41 <sup>s</sup> . 57 <sup>m</sup> 49 <sup>s</sup> . 71 <sup>m</sup> .2. No Z record. Possibly two shocks. Banda Sea.
88	5	17									11			
89	5	18					60	29	60	42	80			66 <sup>m</sup> .4. 70 <sup>m</sup> .4. Japan.
90	8	3									21			
91	10	2									46			
92	11	10									00			
93	17	19			46.4						57			Mexico.
94	21	20					24.2							
95	22	2					03.3							
96	22	10					41.4				47.8			Aleutian Islands.
97	Dec. 1	14	i59	25	66	19*	61	06	69	49	73.6	48		Mid Atlantic Ocean.
98	2	15	i29	38	i38	06	i31	47	i38	44				sS 41 <sup>m</sup> 54 <sup>s</sup> . SS 42 <sup>m</sup> 56 <sup>s</sup> . Depth about 650 km. Western Brazil. i14 <sup>m</sup> 26 <sup>s</sup> . i14 <sup>m</sup> 41 <sup>s</sup> . i15 <sup>m</sup> 09 <sup>s</sup> . SKS 18 <sup>m</sup> 01 <sup>s</sup> . SS 30 <sup>m</sup> .7. Some depth. New Hebrides. 58 <sup>m</sup> 47 <sup>s</sup> . 64 <sup>m</sup> 54 <sup>s</sup> . 65 <sup>m</sup> .4. New Britain region. PP 54 <sup>m</sup> 55 <sup>s</sup> . pPP 55 <sup>m</sup> 23 <sup>s</sup> . iSKS 61 <sup>m</sup> 35 <sup>s</sup> . i62 <sup>m</sup> 47 <sup>s</sup> . Depth about 200 km. Argentina-Chile border Peru. 47 <sup>m</sup> 15 <sup>s</sup> . iSS 61 <sup>m</sup> 55 <sup>s</sup> . sSS 64 <sup>m</sup> 05 <sup>s</sup> . SSS 66 <sup>m</sup> .6. Depth about 300 km. Kermadec Islands region. 19 <sup>m</sup> 54 <sup>s</sup> . i20 <sup>m</sup> 52 <sup>s</sup> . 22 <sup>m</sup> 47 <sup>s</sup> . 23 <sup>m</sup> 40 <sup>s</sup> . i29 <sup>m</sup> 49 <sup>s</sup> . 32 <sup>m</sup> 50 <sup>s</sup> . No Z record. Depth about 200 km. Tonga Islands region.
99	2	20	e10	56			e11	21	i13	34				
100	4	16					e48	21	58	14	86			
101	9	21	i51	21			i51	50	52	29	80			
102	10	3			i12	30					32			
103	10	13	i41	55			i44	55	i45	22	87			
104	14	2					e13	20	14	07				

