

No. 19.

GEODÆTISK INSTITUT

1950.

Copenhagen, Denmark.

Bulletin of the Seismological Station

IVIGTUT.

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

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	m	s	m	s	h	m	°	
1	1950 Jan.	3												
2		12	i24	09							.8			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 ^m 48 ^s . 42 ^m 18 ^s . 44 ^m .5. Depth about 350 km. Japan.
8	Mar.	2					26	47	32	56	60			39 ^m 34 ^s . SS 41 ^m 43 ^s . 55 ^m .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 ^m .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 ^m 21 ^s . Mariana Islands.
24	26	1				e38 52	39 21			71			i40 ^m 00 ^s . SS 56 ^m .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 ^m 11 ^s . 29 ^m 15 ^s . Near shock.
29	7	17	i03	30	12 27	e03 52	i03 59			26	68		13 ^m 20 ^s . 14 ^m 18 ^s . 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 ^m 23 ^s . 65 ^m .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 ^m 44 ^s . i58 ^m 55 ^s . i59 ^m 31 ^s . i58 ^m 55 ^s . SS 62 ^m 45 ^s . SS 63 ^m 45 ^s . Depth about 600 km. Western Brazil.

No.	Date	Hour	Forerunners				L	△	Remarks.				
			P or P'		S								
			m	s	m	s	m	s	h	m	°		
44	1950	9 5	00	25	08	52	02	35					ss 12 ^m 35 ^s . 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	e26	50	e24	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	i07	56	i09	35	19	28		46			SS 26 ^m .0. Solomon Islands region.
54	Aug. 1	9			33	14	33	23		48			Japan.
55	2	14	e01	45	e11	37	03	06					Perhaps deep. Red Sea region.
56	3	22	e27	50	e35	27	37	35	38	59	44	54	SSS 40 ^m .5. Venezuela.
57	5	9	i36	49	i37	25	41	12	1.7				48 ^m 34 ^s . New Zealand. From 5 ^d 20 ^h to 9 ^d 17 ^h
58	14	23	e03	18*	i13	18*	i05	31	i06	34			no time-marks. iSKS 12 ^m 48 ^s . i17 ^m 04 ^s . 17 ^m 26 ^s . 22 ^m 33 ^s . Depth about 650 km. Northern Argentina.
59	15	14	i22	12	i32	34	i24	07					31 ^m 41 ^s . 32 ^m 16 ^s . i33 ^m 45 ^s Very great destructive quake. Assam.
60	15	19								21			No Z record from 15 ^d 15 to 17 ^d 17 ^h .
61	16	6								25			
62	16	7								22			
63	18	1	i20	21	e30	43				54			Repetition to no.59.
64	18	17	i11	17						39			"
65	23	19								39			
66	26	4	e47	45	e54.5					62			Alaska.
67	31	7			40	53	46.0			61			Japan.
68	Sept. 2	2	e57	05*	e65	00				75			Aleutian Islands.
69	9	11								20			
70	10	15	e34	59	e38	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	i42	21	e50	26	45	46	56	13	61	59	Mexico.
76	29	8								25.7			
77	30	7	i41	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	h	m	°		
	1950												
	Oct.												
78	5	1							41				
79	5	16	i19	19	e27	11	20	17	i21	20	37	57	i22 ^m 57 ^s . i28 ^m 20 ^s .SS 31 ^m 41 ^s . SSS 33.4. North west of Costa Rica.
80	8	3			e43	45	e46	05	80				e49 ^m 21 ^s . 53 ^m 27 ^s . Molucca Passage.
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				
	Nov.												
87	2	15					49	39	i55	19	90		56 ^m 41 ^s . 57 ^m 49 ^s . 71 ^m .2. No Z record. Possibly two shocks. Banda Sea.
88	5	17							11				
89	5	18					60	29	60	42	80		66 ^m .4. 70 ^m .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.
	Dec.												
97	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 ^m 54 ^s . SS 42 ^m 56 ^s . Depth about 650 km. Western Brazil.
99	2	20	e10	56			e11	21	i13	34			i14 ^m 26 ^s . i14 ^m 41 ^s . i15 ^m 09 ^s . SKS 18 ^m 01 ^s . SS 30 ^m .7. Some depth. New Hebrides.
100	4	16					e48	21	58	14	86		58 ^m 47 ^s . 64 ^m 54 ^s . 65 ^m .4. New Britain region.
101	9	21	i51	21			i51	50	52	29	80		PP 54 ^m 55 ^s . pPP 55 ^m 23 ^s . iSKS 61 ^m 35 ^s . i62 ^m 47 ^s . Depth about 200 km. Argentina-Chile border
102	10	3			i12	30					32		Peru.
103	10	13	i41	55			i44	55	i45	22	87		47 ^m 15 ^s . iSS 61 ^m 55 ^s . sSS 64 ^m 05 ^s . SSS 66.6. Depth about 300 km. Kermadec Islands region.
104	14	2					e13	20	14	07			19 ^m 54 ^s . i20 ^m 52 ^s . 22 ^m 47 ^s . 23 ^m 40 ^s . i29 ^m 49 ^s . 32 ^m 50 ^s . No Z record. Depth about 200 km. Tonga Islands region.

No.	Date	Hour	Forerunners				L		△	Remarks.	
			P or P'		S		h	m			
			m	s	m	s	m	s	o		
105	1950 Dec. 14	2					158	03			Great amplitude. No Z record. Belongs to no. 104?
106	14	14	125	33	33	25	29	21	46	57	No Z record. Mexico. No recording from 1950 Dec. 21 ^d 23 ^h to 1951 Jan. 3 ^d 17 ^h .
			September 1955.								Henry Jensen.