

No. 18.

GEODÆTISK INSTITUT

1949.

Copenhagen, Denmark.

Bulletin of the Seismological Station

IVIGTUT

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

Lithologic Foundation: Gneiss.

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

Constants:

Component	T	v	r	V
N	sec. 8.7	3.5	mm 0.7	180
E	8.7	3.8	0.5	220
Z	4.8	3.1	0.1	200

No.	Date	Hour	Forerunners						L	$\Delta$	Remarks.	
			P or P'		S							
			m	s	m	s	m	s	h	m	o	
	1949											
	Jan.											
1	2	13								39		
2	23	7								22		
3	24	9					44.3		53	18		Tonga Islands.
4	28	8										
5	29	23								35		
	Febr.									28		
6	2	17	151	04	158	49	51	48	60	24	57	65 <sup>m</sup> .4. Depth about 200 km. Aleutian Islands.
7	10	22										
8	13	18					47	17	56	52	1.6	59 <sup>m</sup> 48 <sup>s</sup> .SS 64 <sup>m</sup> .9. Kermadec Islands.
9	14	18			e25	20						
10	23	16	119	21			119	26	22	02		37 42 23 <sup>m</sup> 27 <sup>s</sup> . Z record only. Sinkiang Province, China.
11	28	1									12	
	Mar.											
12	2	7										
13	4	2										
14	4	10	130	20	139	20	31	17	31	37	70	PP 33 <sup>m</sup> 01 <sup>s</sup> .39 <sup>m</sup> 53 <sup>s</sup> . 140 <sup>m</sup> 43 <sup>s</sup> .141 <sup>m</sup> 43 <sup>s</sup> .45 <sup>m</sup> .0. SSS 47 <sup>m</sup> .4. Depth about 200 km. Hindu Kush.



No.	Date	Hour	Forerunners				L	△	Remarks.
			P or P'		S				
15	1949		m s	m s	m s	m s	h m	°	
16	16	22			45.9		1.2		New Britain region.
17	17	21			35.8		63		Repetition.
18	24	21	e05 46	e12 48	16.2	17.8	20	49	California.
	27	6		61 48	e53 50	e59 45	1.6		SKKS 60 <sup>m</sup> 52 <sup>s</sup> . PS 63 <sup>m</sup> 4 <sup>s</sup> . PPS 64 <sup>m</sup> 54 <sup>s</sup> . SS 69 <sup>m</sup> 44 <sup>s</sup> . SSS 74 <sup>m</sup> 3 <sup>s</sup> . Celebes Sea.
19	30	12					58		
20	30	15			13.2		46		Fiji Islands.
21	Apr. 5	9	i38 05	47 08	39 47	47 29			Depth about 550 km. Siberia.
22	7	2			e08 36				
23	13	20	i03 38	i10 05	e05 22	e05 50	16	43	SS 13 <sup>m</sup> 0. ScS 13 <sup>m</sup> 34 <sup>s</sup> . State of Washington.
24	24	4					.9		Recording stopped from 14 <sup>d</sup> 16 <sup>h</sup> to 20 <sup>d</sup> 13 <sup>h</sup> . No time marks on hori- zontal records.
25	25	14	e07 16	i17 20	i07 44	i17 26	34		i18 <sup>m</sup> 08 <sup>s</sup> . iSS 22 <sup>m</sup> 33 <sup>s</sup> . i23 <sup>m</sup> 23 <sup>s</sup> . SSS 26 <sup>m</sup> 3 <sup>s</sup> . Depth about 100 km. Chile.
26	30	1			e42 47	i43 16	1.3		SKS 48 <sup>m</sup> 30 <sup>s</sup> . SKKS 49 <sup>m</sup> 19 <sup>s</sup> . i49 <sup>m</sup> 35 <sup>s</sup> . 52.1. Depth about 150 km. Near south coast of Mindanao.
27	May 3	6	i07 38-	i16 32	i17 25	18 28		68	Depth about 100 km. Kurile Islands.
28	9	14					30		
29	10	0					56		
30	21	22					26		
31	25	8	i34 58	e44 08	i45 10	48.9	57	70	Sinkiang Province, China.
32	30	1	i45 06	e55 18	i45 32				Depth about 100 km. Chile.
33	June 12	18	i04 18	e14.4				90	Depth 600 km. Argentina.
34	12	18	i07 45	e17.6					Aftershock.
35	23	23					35		
36	24	22			i59 08		1.6		Southwest of Java.
37	26	9					37		
38	July 2	20		e22 46	e15 13	e 21 41	46		SS 29 <sup>m</sup> 3. 29 <sup>m</sup> 45 <sup>s</sup> . Mariana Islands region.
39	4	3	i52 09	e61 43	66 06		1.3	71	Persian Gulf.
40	4	4					56		
41	5	4					36		
42	5	8					54		
43	7	4					45		
44	8	13					14		
45	10	4	i 04 40	i13 45	07 13	14 45	26.6	69	SS 18 <sup>m</sup> 3. SSS 21 <sup>m</sup> 2. Turkestan.
46	10	16	i 00 19	i09 20	10 18			69	Aftershock.



I V I G T U T

No.	Date	Hour	Forerunners				L	△	Remarks.
			P or P'		S				
47	1949 10	16	m s	m s	m s	m s	h m °	Z record illegible. Aftershock.	
48	19	17	i53 14				1.3	Aftershock.	
49	23	10	i45 36		e47 52	i49 02		Depth about 200 km. New Hebrides Islands.	
50	23	15	i12 24	i19 34	i12 31	23.6	26 50	24 <sup>m</sup> .9. Near west coast of Turkey.	
51	27	15			e34 19	e40 37	1.3	43 <sup>m</sup> 35 <sup>s</sup> . e 46 <sup>m</sup> 39 <sup>s</sup> . Kermadec Islands region.	
52	30 Aug.	6	e41 04					Kurile Islands. No records from Aug. 5 <sup>d</sup> 15 <sup>h</sup> - Aug. 6 <sup>d</sup> 12 <sup>h</sup> .	
53	11	14					50		
54	13	19					20		
55	17	18	e45 49		46 09			Depth about 100 km. Japan.	
56	17	18	e53 52	61 41			56	No Z record. Eastern Turkey.	
57	18	14					03		
58	22	4	i09 19	i15 48	10 46	11 09	21 44	i18 <sup>m</sup> 39 <sup>s</sup> . Queen Char- lotte Islands.	
59	23	20	e32 46	i39 18	e34 21	42 43	45 45	Queen Charlotte Islands.	
60	14 Sept.	20			i10 19	i17 15	.7	ePS 19 <sup>m</sup> 58 <sup>s</sup> . SS 26 <sup>m</sup> 30 <sup>s</sup> . SSS 30 <sup>m</sup> .3. Molucca Passage.	
61	21	13	i04 39	e12.2	15.1	17.7	22	Mexico.	
62	24	5					22		
63	27	15	i38 58	i45 34	e40.8	i48 55	52 44	Near south coast of Alaska.	
64	30 Oct.	5					09		
65	4	10		i39 53	47.3			Mid Atlantic Ocean.	
66	7	12			e23 24	45.4	1.1	Indian Ocean.	
67	19	21			23 07	30.8	1.0	SS 37 <sup>m</sup> .5. SSS 41 <sup>m</sup> .2. Solomon Islands region.	
68	20	13			21.8	27.0	.7	Aftershock.	
69	21	22					38		
70	31 Nov.	1	e47 29	e54.0	e49 20		62	Alaska.	
71	7	6					57		
72	13	5					16		
73	20	7		i26 49	32.0		35	Mexico.	
74	22	1	i10 51		i14 00	i14 22	58	15 <sup>m</sup> 06 <sup>s</sup> . 15 <sup>m</sup> 31 <sup>s</sup> . 25 <sup>m</sup> .5. SS 31 <sup>m</sup> .0. 39 <sup>m</sup> .3. Kermadec Islands.	
75	27	9			12 40	19 20	40	Tonga Islands region.	
76	1 Dec.	10			30.9	i33 04	53		
77	17	7		21 35	15 44	24 24	41	SS 29 <sup>m</sup> .6. SSS 33 <sup>m</sup> .1. 34 <sup>m</sup> .7. Southern Chile.	
78	17	15			e27 41	i37 44	54	SS 43 <sup>m</sup> .7. Southern Chile.	



