

No. 14.

GEODETISK INSTITUT

1945.

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 (approximate values):

Component	T	v	V
N	8.8 sec.	3.5	180
E	8.8	4	215
Z	5	4	195

No.	Date	Hour	Forerunners				L	$\Delta$	Remarks.
			P or P'		S				
			m	s	m	s	m	m	o
	1945								
	Jan.								
1	1	1					28		Baffin Bay.
2	5	20					57		
3	12	18	50	58					No time-marks on N and E. Japan.
4	17	10					14		
5	17	11					0		
6	18	3					17		Atlantic Ocean.
7	18	3					50		" "
8	18	4					3		" "
	Febr.								
9	1	11					.8		
10	1	12			36	21	1.3		
11	10	5	9	51	19	34			Masked by strong microseisms, readings uncertain. Japan.
12	13	11					39		
13	18	10			29	48	43		No time-marks on N and Z. Japan.
14	26	22			38	59	1.0		
	March								
15	11	22			0	15	16		No Z record. Japan.
16	18	0			16	5	26		Off coast of Columbia.
17	18	19					24		
18	18	23			25	15			
19	19	1					5		

I V I G T U T

No.	Date	Hour	Forerunners				L	△	Remarks.				
			P or P'		S								
			m	s	m	s	m	s	h	m	o		
20	March 20	8			16	11				24			S quite small. Turkey.
21	23	23								84			Forerunners small.
22	April 1	23								72			California.
23	15	2	45	23	53	31	49.3	55	17	60	59		57 <sup>m</sup> 28 <sup>s</sup> . Off east coast of Kamchatka.
24	15	3	51	33						1.1			Superposed on preceding shock. P quite small, the reading uncertain.
25	15	20								18			Disturbed.
26	19	13					26	41					
27	21	17			31	35	27	26	27	45			33 <sup>m</sup> 44 <sup>s</sup> . Mexico.
28	May 10	18	5	20	15.5						81		P and S quite small. Peru.
29	13	20								55			
30	19	8	5	34	13	41	17.6				59		Off southern coast of Mexico.
31	19	15	16	3	23	14	18	3	26.6	31	50		27 <sup>m</sup> 28 <sup>s</sup> . California
32	June 1	15			31.4					46			Aleutian Islands.
33	3	13	15	32						26			Panama.
34	4	12	21	7	31	7					79		Northern India.
													No records June 5. to July 31.
35	Aug. 1	23								.2			
36	2	21					2.1				6		
37	3	4	121	45+			32.7				37		South of Panama.
38	7	22					31.3						
39	8	10					19	5					
40	10	11	29	41	37	26				.7			
41	11	1								.8	56		P and S quite small. No E record. Guatemala.
42	21	16	141	4-			50	30	51	21			Peru.
43	21	20					25	15					
44	22	6								.4			
45	27	7					58.4	59.1					
46	29	10	41.9				43	44	55.4		75		P' small, uncertain. New Hebrides.
47	31	0								.6			
48	Sept. 1	23	3	57			4	31	8.0				10 <sup>m</sup> 7.15 <sup>m</sup> 13 <sup>s</sup> .17 <sup>m</sup> 8.21 <sup>m</sup> 4.29 <sup>m</sup> 0. South of New Zealand.
49	2	12	3	22+	10	55	11	31					Eastern Mediterranean Sea.
50	5	22									38		Deeper than normal Forerunners not clearly marked.

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			P or P'		S							
			m	s	m	s	h	m	o			
51	Sept. 6	2					.5					
52	9	4	22.2		25	26	26	37	1.1	New Hebrides Islands.		
53	13	11			40	56	43	32		Chile.		
54	14	2			19	20			25	Mid-Atlantic Ocean.		
55	28	22	33	1	40	6	43.7		48	49	Off California.	
56	Oct. 7	13	33	10+	41	16	36	42	45.6	51	59	Coast of San Salvador.
57	9	14	148	3-	157	34	58	10		68	74	East of Hokkaido, Japan.
58	15	8								23		
59	16	16					22.1	27	34	.9		Molucca Islands.
60	21	4								.2		
61	25	15			17.0		12	41	20	54	27	East of Kamchatka.
62	26	14								.4		
63	27	11	133	52+	41	33	36	2				Quite small, the reading uncertain. Guatemala.
64	28	8								12		
65	29	11								.3		Masked by micro-seisms.
66	Nov. 3	22					24.3	28	5	32		
67	8	9	110	24+	14	31				17	23	East of Greenland.
68	8	10	7	40	11	46				14	23	" " "
69	16	18								23		
70	27	22	8	54-			12	23	14.0			19 <sup>m</sup> .2. SS 24 <sup>m</sup> .5. No N or E records. Arabian Sea.
71	Dec. 8	1					34	56	36.2			
72	27	5								.7		Masked by micro-seisms.
73	28	18					9	27	14	57		SKKS 16 <sup>m</sup> 27 <sup>s</sup> .18 <sup>m</sup> .2. PS 19 <sup>m</sup> 28 <sup>s</sup> .PPS 21 <sup>m</sup> .1. SS 26 <sup>m</sup> .3. No Z record. Bismarck Arch.