

S e i s m o l o g i c a l B u l l e t i n .

Reykjavík, Lat. $64^{\circ} 08' 55''$ N. Long. $21^{\circ} 57' 12''$ W.

Mainka's pendulum 135 kg.



1947.

1947.

No.:	Date	Comp.:	Phase	G. M. T.	Per.:	Amplitude:	Remarks.
:	:	:	:	:	:	N : E :	
				h. m. s.	sec.	mm. mm.	
1.	Jan. 17	E	iP S?	15 45 15 15 45 15		1.0	N-S not operating. Local, possibly explosion. S-P=0.2 s. Compression.
2.	Mar. 29	NE	iP iS iL	07 50 45 59 51	2.6		In minute mark. S-P=14.3 s.
This earthquake coincided with the beginning of the eruption of the volcano Hekla. Weak tremors began at 0742.9 which became a little stronger at 0745.7 and lasted until P began. The earthquake was felt widely in Iceland, but no damage from it was reported.							
3.	Mar. 29		iP iL	07 59 22 39			Superimposed on No.2
4.	Apr. 10	N E	eL F eL F	16 34.4 38 16 32.3 43			Pasadena gives H=15h 58m04s. Epicenter $32^{\circ} 58' \text{N. } 116^{\circ} 32' \text{W.}$
5.	" 12	NE	iP iS	04 58 40 44			S-P=4.5s. Epicenter east of station. Magnitude IV in epicentral region.
6.	" 24	N E	e e F e F	19 54.2 20 03.2 09 19 50.5 20 12			USCGS gives H=19h 35.1m. Epicenter $08^{\circ} \text{N. } 37.5^{\circ} \text{E.}$
7.	May 9		iP iS F	04 14 08 11 04 15		1.2 2.5	S-P=2.9s. Epicenter probably at Mount Hengill. Felt in Reykjavík. Replica.
8.	" "	NE	i	04 15 52			
9.	" 18		iP iS	22 26 56 59			Shocks Nos. 9-21 originated in a region 50-60 km. east of Reykjavík. Most of them were felt there and some were reported to be of magnitude III to IV. (Mercalli-Sieberg)
10.	" "		i	22 58 09			
11.	" "		iP i S?	23 55 07 08 10			
12.	" 19		i	01 06 30			
13.	" "		iP S	02 47 49 48 51			
14.	" "		iP iS?	02 49 13 17			
15.	" "	NE E NE E	iP i iS i F	06 57 19 21 22 33 07 00.9		3.0 3.6	Compression. Coincides with a minute mark.
16.	" "	NE	i	08 07 21			

1947.

No.:	Date	Comp.:	Phase	G. M. T.	Per.:	Amplitude:	Remarks.
:	:	:	:	:	:	N : E :	:
:	:	:	:	h. m. s.	sec.	mm. mm.	:
17.	May 19	NE E NE E E	iP i iS i F	08 25 08 10 13 17 25.7			S-P=4.6 s.
18.	" "	E NE N	iP i i F	10 35 38 40 50 36.2			
19.	" "	E E NE NE NE E N NE	iP i i i iS i i i F	11 43 07 09 12 14 15 18 20 23 45		4.2 4.0	Possibly two shocks.
20.	" "	NE N	i i	11 50 55 51 01			
21.	" "	N	i	15 35 11			
22.	" 25	NE NE	iP iS	04 01 07 12		6.5 6.5	Felt in Reykjavík, Magnitude III. S-P=4.7 s.
23.	June 26	NE	iP iS F	17 13 14 16 17 13.9		1.6	S-P=2.3 s.
24.	" 28	N E	iP i F	17 21 29 32 22.5		0.1	
25.	" "	N E NE E E NE E NE	e e iP i i iS i L F	17 24 18 35 46 48 54 58 25 03 10 27.4			Possibly two shocks. Shocks Nos. 24 - 27 are all of same character.
26.	" "	E NE NE N E NE NE E	e eN iP i i iS i L F	19 18 01 05 20 30 32 34 37 18.7 20.0		0.9	S-P= 13.8 s. ca.
27.	" "	N E NE NE E N	i i iP iS L L F	22 22 25 28 50 59 23 19 26 25.3		0.5 2.0	S-P= 8.7 s.



International
Seismological
Centre

1947.

No.: Date : Comp.: Phase : G. M. T. : Per.: Amplitude: Remarks.
: : : : : : N : E :
: : : : : h. m. s. sec. mm. mm.



International
Seismological
Centre

28.	June 30	E N N NE	iP i iS L F	13 57 29 40 42 59 58.8		0.7	E-W incomplete due to faulty registration.
29.	July 1	E NE	iP iS L	07 13 02 04.5 07			In a minute mark. Epicenters of nos. 29-32 30 km. S of Reykjavík.
30.	" "	NE	iP? L	08 37 03 09		0.4	
31.	" "	NE	i	08 46 50		0.2	
32.	" "		i	09 40 09		0.2	
33.	" "	NE NE NE	iP iS L F	13 27 14 29 49 29.4			S-P= 14.5 s.
34.	" "	NE N	iP? iS L	13 30 04 26 37			P in a minute mark.
35.	" 8	NE	iP iS L F	11 48 55 57 49 03 49.6			S-P= 2.5 s.
36.	" "	NE	i	11 51 06			
37.	" 11	NE E	iP L F	00 49 10 17 49.6			Local.
38.	" 16	NE	iP F	14 43 42 51		1.2	Local. Possible explosion.
39.	" "	NE E NE N	iP i iS L F	21 47 09 14 27 30 49.0			S-P= 18.2 s.
40.	" 26	NE NE	iP iS F	05 18 08 11 18.5			S-P= 2.5 s.
41.	" "	NE NE	iP iS	05 38 39 42			S-P= 2.7 s.
42.	" 27	NE E	iP S? F	20 35 38 38 58			S-P= 0.4 s. Local.
43.	" 29	E	iP S	09 51 27 27			N-S inoperative. S-P= 0.5 s.
44.	" "		P PP? S e e	13 55 04 59 10 14 04 42 15.5 25.2 28.6			N-S inoperative. USCGS gives H=13h 43.5 GMT. Epicenter 29.5° N. 97° E. S coincides with a minute mark.

1947.

No.:	Date	Comp.:	Phase	G. M. T.	Per.:	Amplitude:			Remarks.
						N	E		
				h. m. s.	sec.	mm.	mm.		
45.	Aug. 1	E	i	10 36 34					Local. N-S inoperative.
46.	" 5	E	eP ePP eSorePS SS eSSS? eL M F	14 34 30 37 17 44 26 48 20 49.4 57.7 15 01 24					N-S inoperative. USCGS gives H= 14h 24.2 m. Epicenter 25° N. 62° E.
47.	" 12	NE NE E	iP iS i L F	15 59 02 14 19 24 16 02					S-P= 12.2 s. Felt in southern Iceland. Epicenter probably in the vicinity of Mt. Hekla.
48.	" 14	E	i	09 02 16					Local.
	" 19-21 Sep. 10-11								Microseisms of unusual character. - do -
49.	Sep. 23	N	e e e eL M? F	12 51 43 53 56 57 54 59.7 13 04.9 24.5					
50.	" "	N	L F	14 25 27					
51.	" 30	NE NE N	iP iS iL	18 46 49 47 02 08		0.1 0.9 1.5	0.6 0.7		S-P= 13.0 s. ca. S in a minute mark. Epicenter probably in the vicinity of Hekla.
52.	Oct. 6	NE N NE NE N E	eP ePP? e eS L L M F	20 03 04 04 32 08 54 11 38 14.6 15.2 17.0 28.9					
53.	" 16	NE E N NE NE E N	iP i S? e e eL eL M F	02 19 36 20 01 25 06 28 37 30 58 31.9 35.3 36.6 04 19					USCGS gives H= 02h 09m 45s. Epicenter 64.5° N. 148.8° W.
54.	" 20	N NE	iP e L F	01 50 26 02 07.5 10 27					Phases indistinctive due to microseims.
55.	" 23	E NE	i iP iS F	11 42 27 37 40 43.2					S-P= 3.3 s.





1947.

No.: Date : Comp.: Phase : G. M. T. : Per.: Amplitude: Remarks.
: : : : : : N : F :

					h. m. s.	sec.	mm.	mm.	
56.	Nov.	1	NE	P	15 11 36				P coincides with a minute mark.
			NE	ePP	12 06				
			NE	iScPcS	22 00		1.6	1.0	USCGS gives H= 14h
			NE	iScPcPcS?	22 10				58.9 m. Epicenter
			NE	iPS	23 00				11° S. 75° W.
			N	eL	39.1				
				eM	46.7				
				F	16 08				
57.	"	8	NE	iP	14 01 43		0.3	1.7	P dilation. S-P=13.3 s.
				iS	56		5.2	4.0	Reported felt in Vestman Islands and Thingvellir (50 km E of Reykjavík) Epicenter probably near Hekla.
58.	"	27	NE		08 47 13		0.9		Slight tremor.
			NE	iP	23				Probably local.
				L	28				
				F	48.8				
59.	Dec.	29		eL	18 14.5	6.3		2.0	Incomplete record on N-S Dec. 29-30.
				eL	15.4	5.3	5.0	5.1	
				F	16.1				
60.	"	"		eL	18 54.8	6.2			
				eL	55.5	5.2			
				F	56.0				
61.	"	"		iP	21 25 39				Local.
				F	46				
62.	"	30		eL	00 06.8	7.2		0.9	
				eL	07.5	5.4		4.0	
				F	08.3				
63.	"	"		iP?	05 33 24				
				iS?	34 28				
				eL	35.2	7.0		1.9	
				eL	36.1	5.3		5.3	
				eL	36.7	5.0		1.8	
				eL	39.1			1.4	
				F	39.9				

Veðurstofan, Reykjavík, March 16th 1949

Glymur Sigurðsson