

BULLETIN OF THE SEISMOLOGICAL STATION

L U N D

$\phi = 55^{\circ} 42' N$; $\lambda = 13^{\circ} 11' E$; $h = 32 m$
Sub-soil: Moraines, glacial till, depth about 100 m, on cretaceous limestone.

Observatory • Lund • Sweden

Instrument: WIECHERT 1000 Kg. horizontal Seismograph.
Constants:

Component		T	v	r	V
NE		sec. 11.2	3.5	m. 0.6	160
NW	1/6-28/11	10.1	3.8	0.7	195
"	from 28/11	11.4	5	0.7	190

SIEMENS clock controlled daily by NAUEN ONOGO signals.
The seismographic records are read in the GEODETIC INSTITUTE,
Copenhagen, Denmark.

No.	Date	Hour	Forerunners				L	Undef.	Δ	Remarks		
			P		S							
		h	m	s	m	s	h	m	h	m	o	
1	June 1	17					.5					Faint
2	2	16	47.5		55.5		61				58	
3 ^x	3 ^x	7	26.7				1.0					
4	5	8	30	2 ^x	34	8					23	Asia Minor
5	6	4					5					
6	6	18				44.1	1.7					Faint
7	11	3				.1	.4					
8	14	4					47					
9	14	17				36.8	88					
												16d.-21d. no records
10	24	0					13					
11 ^x	26 ^x	11	24	47	27	49					16	Crimea
12	30	23	4		7	12						Greece
	July											
13 ^x	1 ^x	8	23	31	27	10					20	Greece
14	7	20	14	42 ^x	21.4						46	Persia
15	11	8					49					
16	11	13	10	2	14	48 ^x					29	Palestine
17 ^x	12 ^x	21	19	17	28	30					69	Japan
18	14	23					45					
19	15	3	54	18	60.4						40	Turkestan
20	16	1					31.5					(Between Greenland
21	16	1					39	43				(and Jan Mayen
22	16	2					20	42				(
												17d.-22d.8h no records
23	22	8	44		50.1							Persia
24	23	18							3			
25	23	20	25	0	30	35					36	Persia
26	23	22	47.5		53.0							"
27	24	20										
28	25	20								23		
29	26	12								39		Eastern Alps
30	27	15			13	52				16		"
31	28	6									58	Japan
32	28	16	28	58	37.9							Italy
											67	Alaska



No.	Date	Hour	Forerunners				L	Undef.	△	Remarks		
			P		S							
			m	s	m	s	h	m	h	m	o	
33	July 29	h o	14	19								Bay of Bengal
34	30	14	30	20	40	37					81	Japan
35	31	18					.1					
	Aug.											
36	1	11					52	37	53.8			Chile
37	1	17			27.0							Aleutic Islands
38	1	19			7.1				23			" "
39	4	16					14	36				2d.-4d.7h. no records Celebes
40 ^x	10 ^x	11							54.7			5d.-10d.7h. no records New Guinea
41	12	0			55	12 ^x						Japan
42	12	10					31.9		43			Turkestan
43	12	16					34		37			"
	Sept.											13d.-Sept.5.7h no records
44 ^x	11 ^x	22	19	48	22	50 ^x					16	7d.-8d. no records Crimea
45	11	23	48	38		51.6					"	"
46	12	3	24	12 ^x	27	12 ^x					"	"
47	12	6	37.5		40.5						"	"
48	12	7	46		49						"	"
49	12	13			8.6						"	"
50	12	14	28	0	31	1					"	"
51	12	16									41	
52	12	18									21	
53	12	19									40	
54	13	2									18	
55	13	10					37					
56	14	2					40.3					
57	14	2										Crimea
58	14	5							19	55		
59	16	8					29					Crimea
60	16	16							26			
61	23	14			9	36						Turkestan
62	24	6	18.1		21.0						16	Crimea
63	30	7					.9					27d.-28d. no records
	Oct.											
64	2	5							28			
65	5	17							28			
66	7	14								31		
67	8	11							1			
68	8	13							13			
69 ^x	8 ^x	19					51.7					
70	11	3							.9			Schwadorf near Wien
71	11	5							7			
72	11	14										
73	11	17			51	13				52.8		Italy
74	12	7										Japan
75	15	7							11			
76 ^x	24 ^x	16	10	31	19	7			15			
77	24	19					23	19			64	Alaska
78	28	16							.8			
79	29	1							7			
80	30	4									47	
81	31	23					17					
									53			



No.	Date	Hour	Forerunners				L	Undef.	Δ	Remarks		
			P		S							
			m	s	m	s	h	m	h	m	o	
82 ^x	Nov. 4 ^x	14	i 3	25	13	40	18.8				81	California
83	7	1						23				
84	8	4						2				
85	9	2						11				
86	12	14	52	26 ^x	57	46					34	Persia
87 ^x	14 ^x	0	20	32	27	18					46	Siberia
88 ^x	14 ^x	5	4	56	11	41					46	"
89	14	8					38	41				Chile and Argentine
90	15						32.9					15d.7h - 17d.8h no records
91	18	4						15				
92 ^x	21 ^x	23						64				Faint forerunners masked by micros
93	22	13						.5				
94	26	13					i18	12	i18	58		
	Dec.											
95	1	5					3.0		30			Celebes
96	11	18						.3				12d.7h-14d.21h no records
97	28	9							27			Kamtchatka
98 ^x	28 ^x	18	31	14 ^x	40	3	33	44	50		66	"

^x affixed to number and date refers to Notes.

^x affixed to time of phase indicates that beginning of phase is in time-mark.

No.	Notes
3.	June 3. 3 ^h . Moluccas and New Guinea, according to Batavia Δ = ca. 110° The fore-runners strong; there seem to be many phases, but only a few are clearly marked; P 26 ^m .7; P' 30 ^m .1; PP 31 ^m 10 ^s ; PS 40 ^m .6. The beginning of L has long periods (T _p > 1 min.). M is irregular, not large.
11.	June 26. 11 ^h . Crimean Peninsula. Quite strong record. The beginnings of P and S not sharp. After S the movement continues strong. A short M group has long and short periods superposed.
13.	July 1. 1 ^h . Felt in South Italy, Greece and Egypt. Epicentre according to Strasbourg 36°5' N 22°5' E. The beginnings of P and S very sharp. About 20 sec. after the beginning of P the movement increases strongly (PP?). S has unusually large amplitudes. M irregular not very large. Deep focus?
17.	July 12. 21 ^h . Japan. The record not strong, but S clearly marked by a big oscillation.
40.	August 10. 11 ^h . New Guinea. The movement quite strong, but the phases not very well defined.
44.	September 11-12 Crimea. The first earthquake, September 11. 22 ^h , is the strongest;
-50.	the records very strong; iP _{NW} . M very large. The following records weaker; P and S have not very well-defined beginnings.
69.	October 8. 19 ^h . Schwadorf near Wien. Studied by V. Conrad (Beitr. Geoph. XX, 1928).
76.	October 24. 16 ^h . Alaska. Strong record. All forerunners stronger on NW. S large; followed by another phase, the beginning of which is not certain, about 20 ^m .2. PR hardly discernable. SS a big phase. M irregular not very large. L' (?) 18 ^h .6.
82.	November 4. 14 ^h . Destructive in California. The record not very strong. iP _{NW} . M larger on NW.
87.	November 14. 0 ^h and 5 ^h . Siberia. The records unreadable in parts owing to bad smoking
-88.	and fixing. P and PR weak. Clearly marked SR. After SR the movement increases towards L. M large, irregular. The second record the stronger.
92.	November 21. 23 ^h . L very regular, M rather large; in M T _p > 20 sec.
98.	December 28. 18 ^h . Kamtchatka. The records unreadable in parts owing to bad smoking and fixing. The reflected forerunners strong and well defined phases; P and PP about equally large. The beginning of L has long periods and large amplitudes. Some regular, large M groups.