No. 24. 1932.

Geodætisk Institut
Proviantgaarden, Copenhagen, Denmark.

Bulletin
of the seismological station

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$\varphi = 55°41'$ N. $\lambda = 12°27'$ E. $h = 13$ m.

Lithologic foundation: chalk.

Instruments:

Galitzin pendulums with galvanometric registration.

Constants:

Component	l	T_1	A_1	μ^2	T	k
	cm	sec	cm		sec	
N	12.5	12.62	100	0.07	12.2	105
E	12.5	12.62	100	0.17	12.0	101
Z	14.5	10.02	100		ca. 6	

The vertical component seismograph which formerly operated in Scoresby-Sund was erected in September and set working on October 29.

Wiechert 1000 kg. horizontal seismograph.

Wiechert 1300 kg. vertical seismograph.

Constants:

Component	T	ν	ϱ	V
	sec		mm	
N	9.4	4.5	0.5	220
E	9.9	4.6	0.8	195
Z	5.8	4.5	0.1	160

Milne-Shaw seismographs, N and E components, with the approximate constants $T = 12^s$ $\nu = 20$ $V = 300$

Wood-Anderson seismograph, E component, $T = 2^s.7$ (from $^{25}/_{11}$).

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No.	Date	Hour	Forerunners P	Forerunners S	Forerunners	Forerunners	L	Undefined	△	Remarks
	1932 Oct.		*m s*	*m s*	*h m s*	*m s*	*h m*	*h m*	°	
1	1	8					17			
2	1	9					.6			Faint.
3	1	13					45			
4*	2*	3	11 51		22 43	23 36				Central America.
5*	2*	3	29 17	35 8			.7		38	Bokhara.
6	9	6					34			
7	9	13					.5			
8	11	19					.9			Small preceding movement.
9	12	3			6 43		8			Greece.
10	12	7					.2			
11	12	19	48 18	57 47			1.2		74	Kurile Islands.
12	15	15						55		Seismic?
13	15	22					.5			
14	16	12	*i* 19 13	28 19			.6		69	Alaska.
15	17	14			2		.4			
16	18	4			33.8					2 shocks. L_1 ca. 56^m; L_2 ca. 68^m.
17	22	15					.0			Faint.
18	23	13		45 43	46 17		49			Asia Minor.
19	23	17					57			
20	23	21			50.3		68			
21	25	17					.5			
22	29	4			.0		.5			
23	29	10					.3			Disturbed.
24	29	11	16 44	23 6	18 23				42	*PP* large.
25	30	15						50		Quite small. Felt in Jutland.
26	30	20	58 6	67 16			1.3		70	Alaska. *S* small.
	Nov.									
27	1	16	23 26	26 37			28		17	Aegean Sea.
28	2	11			25 52	29.7	57			Some earlier movement on *Z*, but no time-marks. *e* $46^m.7$.
29	3	16					.0			Faint.
30	3	20			1.1		.5			
31	9	19					.1			
32*	13*	4	*i* 57 39	*i* 66 22	*i* 58 52	*i* 67 6*				Sea of Japan.
33	13	16					.8			
34	17	6			26.4		.8			Mexico. *P* about 16^m.
35	18	14			10 40					
36	20	23			39					Felt in Holland.
37	22	15					.8			
38	26	4	35 29	44 54	*i* 35 46	45 17	1.0		73	Japan. *e* 46^m4^s.
39	29	8					.7			
40	29	11			36.8	37 23	1.1			39^m54^s; 46^m. Masked by strong microseisms.
	Dec.									
41	4	4			17 26		20			Strong microseisms.
42	4	8	24 49		29.0	35 32				36^m18^s. 37^m44^s. Mindanao. Strong microseisms.

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No.	Date	Hour	Forerunners P	Forerunners S	Forerunners	Forerunners	L	Undefined	△	Remarks
	1932 Dec.		*m s*	*m s*	*h m s*	*m s*	*h m*	*h m*	°	
43	4	10			57 12	58 37	1.4			
44	5	23					.4			
45	7	8	0 29	*i* 4 19					21	Asia Minor. *P* small.
46	7	16	35 5*	45 43	38 27	46 58				Mexico.
47	8	15					.9			Small preceding movement.
48	9	9					.4			Disturbed by change of sheets.
49	9	16					.2			
50	10	5					.0			
51	10	11					.5			
52	11	4					1.1			Small preceding movement.
53	11	21					53			
54	15	20					.3			Irregular microseisms.
55	21	6	22 2	31 54	33 6	37 34	.7		78	California.
56	24	4					40			
57	24	5					37			
58	24	7			0 9	6.5	.4			
59*	25*	2	14 3	21 54	16 17	25.8			57	China.
60	25	6					.7			Small.
61	25	8					.5			,,
62	25	11						52		
63	25	12						9		
64	26	19						16		Strong microseisms.
65	26	21	26 34		37 51					,, ,,
66	30	21						43		,, ,,
67	31	6	43.7		54 5					,, ,, . South Africa.

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NOTES

Nos. 4—5. Oct. 2. 3^h. Central America and Bokhara. *P* of first shock small, the reading not quite certain. Some increase of movement previous to 22^m43^s. *SS* $28^m.3$. *P* and *S* of second shock somewhat uncertain being superposed on oscillations of first shock.

No. 32. Nov. 13. 4^h. Sea of Japan. Deep focus. Forerunners large and clearly marked. Additional readings: 60^m13^s, 62^m0^s, 62^m59^s; i_Z 66^m43^s; $67^m.6$, $68^m.5$, $69^m.5$; $70^m.7$, 70^m58^s, 73^m3^s.

No. 59. Dec. 25. 2^h. China. Strong record. *PP* read on *E*, earlier on *Z*, but not clearly marked. *PPP* 17^m21^s larger than *PP*. Some increase of movement before *S*: e_E $21^m.2$, e_N $21^m.5$. *S* clearly marked on *E*. e_N 24^m19^s (S_cS). *SS* large on *E*. Very large *M*.

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