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provided the project is properly quoted.

1929-30.

GEODÆTISK INSTITUT Copenhagen, Denmark.

Bulletin of the Seismological Station

IVIGTUT

 $\Phi = 61^{\circ} 12! \text{ N. } \Lambda = 48^{\circ} 11! \text{ W. } h = 20 \text{ m.}$

Lithologic Foundation: Gneiss.

Instruments: WIECHERT 1000 Kg. Horizontal Seismograph WIECHERT 1300 Kg. Vertical Seismograph.

Constants (Mean Values):

Component		T	V	r	V
		sec.		mm	
N	from 18/11 29	12.3	2.6	0.6	150
E	from 18/11 29	12.4	4.4	1.3	200
Z		5.3	4.4	0.1	180

The seismological station IVIGTUT in south-Western Greenland was erected by the Geodetic Institute of Copenhagen. Valuable assistance was rendered by the Kryolith Mine- og Handelsselskab.

The station is equipped with Wiechert instruments: A 1000 kg horizontal and a 1300 kg. vertical seismograph; they are mounted in a cave blasted out of the rock.

The time - marking clock, Strasser & Rohde, is controlled by means of Nauen scientific or ONOGO signals, but it has not been feasible to have it done daily, and though clock - corrections are usually known to the second the uncertainty may occasionally amount to some seconds.

The Ivigtut wireless operator attends to the station. As he has not always been able to deal with the difficulties which have arisen and as in addition there is an exceptionally strong microseismic movement, the number of records has been considerably reduced.

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TTT	T	~	m	TI	T	
IV	T	U	T	U	T	

		5,16,1 G	¥									
No.	Date	Hour		P	F	orer	nners		L	Undef.	Dist.	Remarks
1	1929 Aug. 28		m.	S	m	S	h m s	m s	h m	h m	0	
2 3× 4	Sept. 17X 27	17					27.9 38.2	32.4		. 3		Pacific Ocean
5 ^X 6	0ct. 19 ^x 20 24	10 16 7	i25	23	35	39	36 30		.8 .6 .4		81	Chile
8 9 10 ^x 11 12	Nov. 19 15 ^x 16 23	7 1 19 11 0					i50 32 15.7 38.9	17,4	. 6	. 4		Seismic?
13 14 15	Dec. 6 6 9	17 21 7							.7			Some preceding movement Strong microseisens
16 17 18 19 20 ^x 21	13 14 14 15 17 ^x 18	5 22 22 1 11 8	9	2	17	13	27 36 12.9	24.4	2 30 52 38		60	Iceland Iceland
22 23 24 25 26	1930 Jan. 5 14 16 28		30		39				.6 .1 .51			
27 28 29 30 31 32 33	Febr. 1 2 2 12 14 14 14 26	19 15 17 7	6		14.		54 19		.6	.0		Aegean Sea
34 35 36 37 38	March 6 8 10 26 31	16 4 16 7 12	42	31	45	43	2 53 34		. 8 . 2 . 56		48	Sea of Okhotsk Timor Aegean Sea

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P S No time-service From April 17. to June 2.2 1.2 1.4 1.5 2.2 1.5 2	NT -	Data	T. C. T. T.		Forer	nners		Т	TImdos	D 4	Romowica	
Second S	No.	Date	пour	P	S			L	onder.	DIST.	Remarks	
June 2 June 2 3 3 3 4 4 1 1 1 1 4 4 1 2 1 1 4 4 1 2 1 1 4 4 1 2 1 4 4 1 2 1 4 4 4 1 2 1 4 4 4 1 2 1 4 4 4 4 4 4 4 4 4	39 40 41	April 16 16	13 14	m s	m s		m s	h m	. 9	0		
52	43 44 45 46 47 48 49 50	5 11 12 13 15 19 25 25 25	12 10 12 14 20 10 12				19.7	. 2			June 2. Preceding movement disturbed Faint preceding movement Disturbed Peru	
59	53 ^x 54 55 56 57	2x 7 22 23 27	14 19 0 19		46 40	22 57 19.2	33.1	.7 .0 1.0		72	Kurile Islands	
64x 21x 23 17.2 27.7 50.8 65x 22x 14 32.4 50.8 43.2 51.3 1.2	60 61 62	2 4 19 20	5 5 21						36			
69 2 1 70 8 10 10.4 40 13 51.3 1.2 15 72 23 10 Dec. Dec. 10.4	66 ^x	21 ^x 22 ^x 22 ^x 25	1 14 19		27.7			1.8			Assam Preceding movement	
	70 71	2 8 11	3	10.4		40 13	51.3	15			No records from Oct.24	
	73		15			8.6					Disturbed	

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of long period in first part of L; later L small.

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Notes

3. Sept.17. 19. Pacific Ocean. Forerunners quite small except SS, 35. 6, which is

- large; almost immediately followed by L of long period. Later large M.

 5. Oct. 19. 10. Chile. P sharp on X, not large. S unusually large. Large waves
- 10. Nov. 15. 19th Caroline Islands. In forerunners phases most clearly marked on N. Additional readings : 19th 0; 25th L earliest on E, about 37th, with waves of period of about 1 min. and large amplitude.
- 20. Dec. 17. 11. Between Kamtchatka and Aleutian Islands. Z not working well, P not quite certain. PPP large on N. S sharp on E, 17^m 13^s; on N increase of movement 17^m, 1, large movement begins 17^m 25^s. Very large movement follows S. 24^m4 excessively large oscillations, largest on E, SSS or LO? Very large M.
- 31. Febr. 14. 18th Aegean Sea. 54m19s large in all three component records; no other distinct phases.
- 53. July 2. 21^h Tibet. The beginning of P clearly marked on Z only; larger movement i 16^m 41^s. e 26^m 7 not clearly marked; larger movement e_N 27^m 2. In first part of L large movement of long period.
- 64-66. Sept. 21-22. There is an uncertainty of several seconds in time-corrections.