

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground: alluvial.

Time: Mean Greenwich, midnight to midnight.

### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Maguetic	16 kgm	Smoked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 "	"	8.0	120			12.5 "
Wiechert	NS	Air	200 "	"		80			22.5 "
Wiechert	EW	Air	200 "	"		80			22.5 "
Wiechert	Vert.	Air	80 "	"		80			25.0 "



No. 1

From Jan. 2 to Jan. 21 19230.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
1 Jan. 2	eE	9 51 19.8						
	LE	9 51 30.5						
	FE	9 53 00.8						
2 " 4	eE	1 51 03.0						
	FE	1 52 26.0						
3 " "	PZ	5 39 04.3						
	FE	5 39 56.8						
4 " "	PE	15 25 18.8					Felt at Kasyun, south cape of the Taiwan.	
	SE	15 25 35.0						
	LE	15 25 52.5						
	ME	15 25 58.5	1.5	33				
	MN	15 26 11.3	1.9		38			
	FE	15 28 38.2						
5 " 5	eZ	17 08 12.0						
	LE	17 08 30.6						
	FE	17 11 00.6						
6 " 10	PZ	17 29 08.5						
	FE	17 31 00.5						
" "	PZ	18 08 21.0						
	LN	18 08 34.8						
	ME	18 08 37.0	0.9	-130				
	MN	18 08 37.1	0.9		+114			
	FE	18 10 51.4						
8 " 12	PZ	10 21 16.6						
	LE	10 21 29.0						
	FE	10 22 47.5						
9 " 14	eZ	6 07 54.1						
	LE	6 08 02.4						
	FE	6 09 18.4						
10 " 18	PE	20 28 20.8						
	SE	20 28 25.2						
	LE	20 28 30.2						
	MN	20 28 30.4	1.5		-127			
	ME	20 28 31.1	0.9	-154				
	FE	20 32 26.8						
11 " 20	eE	6 34 56.5						
	FE	6 36 00.5						
12 " 21	PZ	9 23 49.8						
	FE	9 25 48.3						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Smoked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			22.5'
Wiechert	EW	Air	200'	'		80			22.5'
Wiechert	Vert.	Air	80'	'		80			25.0'

No. 2

From Jan. 21 to Feb. 3 1900.

No. and Date	Phase	Time	Period	Amplitude			Distance km	Remarks
				AE $\mu$	AN $\mu$	AZ $\mu$		
13 Jan. 21	PZ	9 <sup>h</sup> 26 <sup>m</sup> 41 <sup>s</sup> .5						
	SE	9 26 50.6						
	LE	9 26 56.2						
	FE	9 28 49.4						
22 " "	eZ	12 29 32.0						
	FE	12 30 56.0						
15 " 23	PZ	16 14 12.2						
	LE	16 14 19.0						
	FE	16 15 45.7						
16 " "	eZ	16 38 11.1						
	LE	16 38 37.5						
	FE	16 40 42.0						
17 " 24	PZ	0 16 50.8						
	LN	0 17 02.3						
	MN	0 17 03.5	0.9		63			
	ME	0 17 03.9	0.9	94				
	FE	0 19 23.6						
18 " "	PZ	13 42 34.0						Felt at Taito, south eastern coast of the Taiwan.
	LN	13 43 04.0						
	FE	13 44 17.0						
19 " 25	PZ	9 25 55.7						
	LE	9 26 07.2						
	FE	9 28 32.2						
20 " 27	PZ	6 13 33.2						Felt at the eastern coast of the Taiwan.
	LNE	6 13 48.7						
	MN	6 13 52.2	1.7		325			
	MZ	6 13 52.6	2.5			195		
	ME	6 13 53.9	1.8	405				
21 " 28	PZ	16 07 06.4						
	FE	16 08 24.9						
22 " 29	PZ	15 02 14.0						
	FE	15 04 28.4						
23 Feb. 2	PZ	15 41 21.8						
	FN	15 42 32.0						
24 " 3	PZ	7 01 35.1						Felt at Kareko, the eastern coast of the Taiwan.
	LE	7 01 52.1						
	ME	7 01 56.0	2.8	185				
	MN	7 01 56.4	2.4		190			
	MZ	7 01 56.6	3.2			145		
	FE	7 08 51.2						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Maguetic	16 kgm	Smoked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 "	"	8.0	120			12.5 "
Wiechert	NS	Air	200 "	"		80			22.5 "
Wiechert	EW	Air	200 "	"		80			22.5 "
Wiechert	Vert.	Air	80 "	"		80			25.0 "

No. 3

From Feb. 3 to Feb. 22 1923



No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
				$\mu$	$\mu$	$\mu$	km	
25 Feb. 3	eE	10 <sup>h</sup> 12 <sup>m</sup> 52 <sup>s</sup> .3	s					
	LE	10 12 56.4						
	FE	10 14 15.4						
26 " "	eE	18 07 27.9						
	FE	18 08 55.3						
27 " 5	PN	30 03 18.8						
	LE	0 03 28.7						
	FE	0 06 21.1						
28 " "	eE	15 30 43.7						
	FE	15 32 35.9						
39 " "	eN	16 48 18.7						
	LE	16 48 26.4						
	FE	16 50 28.9						
30 " 6	PZ	17 49 52.0						
	FE	17 51 15.7						
31 " 8	eE	6 01 33.6						
	FE	6 03 12.3						
2 " 13	eE	20 25 11.6						
	FE	20 26 30.4						
33 " 14	eE	9 47 45.1						
	FE	9 48 45.1						
34 " "	eLE	21 20 ---						Faint sinusoidal waves by Omori's instrument.
	FE	21 40 ---						
35 35" 16	eE	16 54 40.7						
	FE	16 58 22.9						
36 " "	eE	18 13 24.6						
	FE	18 16 18.3						
37 " 19	eZ	18 06 07.7						Felt at Karenko.
	LE	18 06 28.9						
	FE	18 10 10.0						
38 " 21	PE	23 35 57.9						
	FE	23 36 49.4						
39 " 22	PZ	10 18 09.8						
	FE	10 20 43.2						
40 " "	PZ	10 24 22.5						
	LZ	10 24 30.5						
	ME	10 24 33.3	1.1	67				
	NE	10 24 33.3	1.5		87			
	FE	10 29 44.5						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Maguetic	16 kgm	Smoked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 "	"	8.0	120			12.5 "
Wiechert	NS	Air	200 "	"		80			22.5 "
Wiechert	EW	Air	200 "	"		80			22.5 "
Wiechert	Vert.	Air	80 "	"		80			25.0 "

No. 4

From Feb. 22 to Mar. 8 1920

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
41 Feb. 22	PZ	10 30 17.5					Local	shock.
	LE	10 30 27.3						
	FE	10 33 38.0						
42 " "	PZ	12 23 49.3					Do.	
	FE	12 25 55.5						
43 " "	eE	21 42 22.5					Do.	
	FE	21 43 32.1						
44 " 24	FE	20 55 57.3						
	PE	20 56 09.5						
	LE	21 00 29.0						
45	FE	21 20 ---						
45 " "	eE	21 23 58.3					Local	shock.
	FE	21 26 23.4						
46 " 27	eE	20 20 08.7					Do.	
	LE	20 20 23.2						
	FE	20 22 14.3						
47 " 28	eE	22 59 59.2					Do.	
	FE	23 15 ---						
48 1 Mar. 2	PZ	15 27 20.6						
	LZ	15 27 49.5						
	MN	15 27 52.3	3.7		168			
	ME	15 27 52.6	2.8	125				
	MZ	15 28 07.0	2.6			86		
	F	15 40 ---						
49 " 4	eZ	15 49 27.3						
	LE	15 49 44.1						
	FE	15 53 46.4						
50 " 6	eE	3 36 ---						
	FE	3 50 ---						
51 " "	eZ	17 23 03.1						
	LE	17 23 13.8						
	ME	17 23 21.1	0.9	25				
	MN	17 26 11.9	0.9		27			
	FE	17 26 11.9						
52 " 7	PZ	22 02 47.6						
	FE	22 04 23.6						
53 " 8	PZ	4 55 14.8						
	LE	4 55 24.2						
	ME	4 55 24.8	1.4	41				
	MN	4 55 28.7	1.1		27			
	FE	4 57 32.7						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Stripped sheet	25.0	20			12.5 mm.
Omori	NS	No	55	'	8.0	120			12.5
Wiechert	NS	Air	200	'		80			32.5
Wiechert	EW	Air	200	'		80			32.5
Wiechert	Vert.	Air	80	'		80			35.0

No. 5

From March 8 to March 22 1930.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
60 Mar. 8	eZ	17 48 39.4						
	LE	17 48 57.6						
	FE	17 50 54.7						
61 " 9	eE	2 55 33.5						
	LE	2 55 45.0						
	FE	2 56 55.3						
62 " 10	eE	16 37 11.1						
	LE	16 41 01.5						
	FE	16 45 ---						
63 " "	PZ	23 00 50.7						Felt at Taihoku.
	LZ	23 00 59.8						
	ME	23 01 00.5	0.7	118				
	MN	23 01 00.7	0.5		47			
	RN	23 03 17.9						
64 " 15	eE	15 02 --						Very slight sinusoidal waves.
	FE	16 06 --						
65 " 16	PZ	5 00 59.1						
	LZ	5 02 03.1						
	FE	5 07 35.9						
66 " 19	eE	20 31 03.2						Felt at Dainan's eastern coast district.
	LE	20 31 12.3						
	FE	20 32 51.7						
67 " 22	eE	8 58 34.7						Faint sinusoidal waves.
	FE	9 21 ---						
<p>The following six earthquakes were detected in reinvestigation, which escaped our attention at first because of too minute or very dilatory. They should be added in each appropriate position respectively and revised the ordinal numbers of already reported earthquakes.</p>								
5 Jan. 5	eE	1 24 03.5						
	LE	1 32 04.0						
	FE	1 55 ---						
11 " 18	eE	7 11 35.8						
	LE	7 18 19.0						
	FE	7 57 ---						
34 Feb. 8	eE	22 45 59.5						
	FE	22 47 37.0						
52 Mar. 3	eN	1 14 59.2						
	RN	1 18 03.5						
56	eE	10 56 33.0						
	FE	11 13 ---						
60 " "	eE	15 02 47.2						
	FE	15 04 17.2						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Striked sheet	25.0	20			12.5 mm.
Omori	NS	No	55	'	8.0	120			12.5
Wiechert	NS	Air	200	'		80			32.5
Wiechert	EW	Air	290	'		80			32.5
Wiechert	Vert.	Air	80	'		80			35.0

No. 6

From March 22 to March 29 1920.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
68 Mar. 22	eN	12 15 22.8						
	LE	12 18 41.3						
	FE	12 20 36.6						
69 " "	eE	15 18 32.5						Felt at Taihoku.
	LE	15 18 38.3						F lost in following quake.
70 " "	eE	15 18 54.5						Felt at Taihoku.
	LE	15 19 00.0						
	FE	15 21 11.0						
71 " "	eE	15 57 20.3						
	FE	15 58 33.-						
72 " "	eE	16 44 55.3						
	FE	16 46 11.1						
73 " "	eE	16 51 11.5						
	FE	16 52 33.3						
74 " 23	eE	1 44 57.2						Felt at Kayabara northern mountain district.
	LE	1 45 06.7						
	ME	1 45 07.3	0.9	W57				
	MN	1 45 07.3	0.5		N28			
	FN	1 45 05.6						
75 " 26	eN	7 18 51.9						
	P <sub>2</sub> N	7 19 57.0						
	P <sub>3</sub> N	7 20 28.6						
	P <sub>4</sub>	7 20 58.4						
	S <sub>1</sub> N	7 21 27.8						
	S <sub>2</sub> N	7 22 49.4						
	LN	7 23 59.5						
	FN	9 10 ---						
76 " 27	eN	2 58 15.8						Local shock.
	LN	3 58 19.7						
	FN	3 58 50.6						
77 " "	eN	18 17 23.7						
	LN	18 17 35.8						
	FN	18 19 09.2						
78 " 28	eE	5 24 56.8						
	LE	5 25 04.5						
	FE	5 26 23.3						
79 " "	eZ	23 07 57.0						
	LE	23 08 07.0						
	FE	23 09 56.7						
80 " 29	eE	14 34 02.7						
	LE	14 34 33.8						
	FE	14 35 54.7						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Maguetic	16 kgm	Str. ked sheet	25.0	20			12.5 mm.
Omori	NS	No	55	'	8.0	120			12.5
Wiechert	NS	Air	200	'		80			32.5
Wiechert	EW	Air	290	'		80			32.5
Wiechert	Vert.	Air	80	'		80			35.0

No. 7

From March 30 to Apr. 10 1913

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
81 March 30	eE FE	0 32 05.5 1 05 ---					Slight	irregular waves.
82 " "	eE FE	15 30 41.2 16 07 ---					Do.	
83 " 31	PZ LE FE	2 09 47.9 2 09 58.6 2 11 29.4						
84 " "	eEE FE	23 49 -- 0 22 --					Slight	L waves.
85 Apr. 2	eE SE FE	19 59 42.9 20 03 42.1 20 30 ---						
86 " 3	PZ LZ MN ME FE	10 31 48.5 10 32 01.6 10 32 05.2 10 32 13.2 10 35 31.5	1.3 1.3		N43 E42			
87 " 4	eE FE	4 16 30.7 4 18 40.9						
88 " "	eE FE	15 34 54.2 15 37 49.3						
89 " 7	eN LN FN	1 50 30.0 1 50 41.2 1 52 35.0						
90 " "	eZ LE EE	16 32 29.5 16 32 46.0 16 34 39.6						
91 " 8	eE FE	11 33 22.7 11 34 15.9						
92 " "	PZ P <sub>2</sub> N S <sub>1</sub> N S <sub>2</sub> N LN MN FN	11 55 18.2 11 55 29.6 11 55 32.2 11 55 39.2 11 55 44.5 11 55 46.0 12 01 06.7						

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Omori	EW	Magnetic	16 kgm	Striked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			32.5'
Wiechert	EW	Air	200'	'		80			32.5'
Wiechert	Vert.	Air	80'	'		80			35.0'



No. 8

From Apr. 10 to Apr. 20 1930

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
93 Apr. 10	eE	0 35 28.9						
	PE	0 35 32.2						
	SE	0 35 37.0						
	LE	0 35 46.2						
	MN	0 35 52.0	0.9		33			
	ME	0 35 53.7	0.7	29				
	FE	0 38 35.1						
94 Apr. 10	eE	16 16 09.2						
	FE	16 17 36.7						
95 Apr. 12	eZ	15 59 32.6						
	FE	16 00 44.6						
96 Apr. 13	eN	0 18 29.6						
	LN	0 18 39.1						
	FN	0 19 33.9						
97 Apr. 13	PE	5 10 49.0						
	LE	5 11 05.7						
	ME	5 11 07.9	2.5	134				
	MN	5 11 08.4	1.8		104			
	MZ	5 11 09.6	0.9			42		
	FE	5 14 01.1						
98 Apr. 13	PN	8 13 02.4						
	SN	8 13 09.7						
	LN	8 13 30.1						
	MN	8 13 38.4	1.8		50			
	ME	8 13 47.3	1.3	36				
	FE	8 16 16.8						
99 Apr. 19	PE	2 24 37.5						
	LE	2 24 47.8						
	FE	2 27 06.9						
100 Apr. 19	PE	3 56 27.7						
	LE	3 56 32.5						
	FE	3 58 58.8						
101 Apr. 19	PE	14 32 12.1						
	LE	14 32 15.1						
	FE	14 34 04.9						
102 Apr. 19	eE	16 53 10.6						
	FE	16 55 01.2						
103 Apr. 20	eN	1 12 19.2						
	LN	1 13 02.5						
	FN	1 15 40.5						



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Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			32.5'
Wiechert	EW	Air	200'	'		80			32.5'
Wiechert	Vert.	Air	80'	'		80			35.0'

No.9

From Apr. 20 to May 1 1930

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km	Remarks
				AE $\mu$	AN $\mu$	AZ $\mu$		
104 Apr. 20	PE	6 34 47.5						
	LE	6 34 55.2						
	FE	6 36 55.7						
105 Apr. 20	PN	9 02 36.9						
	FE	9 04 26.1						
106 Apr. 20	eE	9 29 48.3						
	FE	9 30 57.1						
107 Apr. 21	eE	10 36 --						
	FE	10 57 --						
108 Apr. 21	eE	13 22 --						
	FE	13 48 --						
109 Apr. 23	eE	22 01 --						
	ME	22 08 31.0	20.4	288				Very dilatory waves.
	FE	23 16 --						
110 Apr. 24	eE	0 37 --						
	FE	1 12 --						
111 Apr. 26	eE	0 25 48.0						
	LE	0 26 06.2						
	FE	0 27 28.0						
112 Apr. 26	LE	16 38 --						
	FE	17 40 --						
113 Apr. 28	ePE	18 39 20.2						
	SE	18 43 26.0						
	LE	18 45 26.5						
	ME	18 46 20.0	17.4	635				
	FE	18 47 42.4	9.6	1350				
114 Apr. 30	eE	3 22 00.7						
	LE	3 22 11.0						
	FE	3 24 32.2						
115 Apr. 30	eE	4 31 00.6						
	LE	4 31 13.9						
	FE	4 33 43.6						
116 Apr. 30	eE	16 51 09.4						
	LE	16 51 24.3						
	FE	16 53 02.5						
117 May 1	eE	1 02 17.2						
	LE	1 06 21.8						
	FE	1 35 --						

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INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Slotted sheet	25.0	20			12.5 mm.
Omori	NS	No	55	'	8.0	120			12.5
Wiechert	NS	Air	200	'		80			32.5
Wiechert	EW	Air	200	'		80			32.5
Wiechert	Vert.	Air	80	'		80			35.0

No. 10

From May 2 to May 9 1930

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km	Remarks
				AE $\mu$	AN $\mu$	AZ $\mu$		
118 May 2	eN	0 03 24.9						
	LN	0 03 24.5						
	FN	0 05 24.7						
119 "	eE	16 59 36.1						
	FE	17 01 10.4						
120 3	eE	11 17 19.3						
	FE	11 18 39.4						
121 "	eE	5 10 37.8						
	FE	5 11 46.9						
122 "	PE	13 51 15.1					The max. amplitudes were not extreme because the pens escaped from the sheets. Those of the Omori's were lost all the tapers leaving off the sheets by too large swing for the instruments.	
	SE	13 55 43.2						
	LE	13 58 36.7						
	ME	13 59 59.0	5.0	347				
	MN	13 59 24.0	3.8		386			
	MU	14 00 17.6	8.5			498		
123 "	eE	7 24 24.5						
	FE	7 25 46.4						
124 "	eN	19 34 57.4						
	FN	19 35 52.8						
125 "	P <sub>1</sub> E	22 45 08.2						
	P <sub>2</sub> E	22 53 57.1						
	S <sub>1</sub> E	22 58 26.0						
	S <sub>2</sub> E	23 01 35.4						
	LE	23 07 32.1						
	ME	23 15 08.2	20.0	250				
	ME	23 18 50.1	18.2	400				
126 "	PZ	5 33 01.3						
	LE	5 33 12.2						
	FE	5 34 53.8						
127 "	eE	9 43 22.6						
	FE	9 46 41.0						
128 "	eN	20 08 12.7						
	FN	20 08 45.2						
129 "	eN	13 37 00.4						
	LE	13 37 23.0						
	FE	13 38 25.2						

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\varphi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Smoked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			32.5'
Wiechert	EW	Air	200'	'		80			32.5'
Wiechert	Vert.	Air	80'	'		80			35.0'

No. 11

From May 9 to May 18 1930

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km	Remarks
				AE $\mu$	AN $\mu$	AZ $\mu$		
130 May 9	eE	16 39 40.3					Local shock	
	LE	16 39 52.3						
	FE	16 42 28.3						
131 10	eE	13 32 20.6				Do.		
	FE	13 33 18.6						
132 "	eE	19 27 08.5				Do.		
	FE	19 28 20.3						
133 " 13	eE	23 16 59.6				Do.		
	FE	23 18 47.9						
134 " 14	eE	19 27 54.3				Do.		
	FE	19 28 33.7						
135 " "	eE	19 57 05.4				Do.		
	FE	20 07 46.4						
136 " 15	eE	9 54 48.2				Do.		
	FE	9 55 44.1						
137 "	eE	11 17 34.9				Do.		
	FE	11 18 39.4						
138 " 16	eE	19 55 34.9				Do.		
	FE	19 36 25.1						
139 " 17	eN	0 53 31.7				Do.		
	LN	0 53 43.7						
	FN	0 55 35.6						
140 " "	eN	17 51 47.4				Do.		
	LN	17 51 54.8						
	FN	17 53 19.6						
141 " "	eN	18 11 57.2				Do.		
	FN	18 15 23.1						
142 " "	eN	23 03 58.5				Do.		
	LN	23 04 14.2						
	MN	23 04 20.1	1.3		32			
	ME	23 04 24.1	1.1	27				
	FN	23 07 26.4						
143 " 18	eE	14 54 54.7				Do.		
	FE	14 58 00.0						
144 " "	eN	15 01 12.6				Do.		
	FN	15 02 40.4						

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Smoked sheet	25.0	20			12.5 mm.
Omori	NS	No	55 '	'	8.0	120			12.5 '
Wiechert	NS	Air	200 '	'		80			32.5 '
Wiechert	EW	Air	200 '	'		80			32.5 '
Wiechert	Vert.	Air	80 '	'		80			35.0 '

No. **12**

From **May 18** to **May 28** 193**0**

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
145 May 18	eN FE	16 <sup>h</sup> 53 <sup>m</sup> 36 <sup>s</sup> .0 16 55 19.8	s	$\mu$	$\mu$	$\mu$	km	
146 " "	eE FE	22 52 49.3 22 54 51.6						
147 " "	eE FE	23 52 45.8 23 54 51.8						
148 " 19	eE LE FE	3 10 36.2 3 10 39.3 3 11 38.8						
149 " "	eE FE	13 33 18.7 13 34 22.9						
150 " "	PN SN LN MN ME FE	15 04 54.6 15 05 17.2 15 05 37.0 15 05 37.5 15 05 59.3 15 31 --	2.6 2.7	274	261			Felt in southern part of Taiwan, epicenter probably the valley of Simotansui-kei.
151 " 20	eE FE	2 53 36.1 2 55 40.3						
152 " "	eE FE	7 54 21.- 8 18 --						
153 " "	eE FE	11 31 11.- 12 23 --						
154 " 21	eE FE	21 15 33.7 21 16 49.6						
155 " 23	eZ FE	16 42 14.6 16 55 24.2						
156 " 25	eN FN	16 59 32.4 17 00 23.5						
157 " 27	eN FE	15 43 13.5 15 44 06.1						
158 " "	eN FE	18 36 05.7 18 37 34.7						
159 " "	eE FE	20 11 35.6 20 12 44.0						
160 " 28	eE FE	4 02 43.9 4 04 04.1						

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Striked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			32.5'
Wiechert	EW	Air	200'	'		80			32.5'
Wiechert	Vert.	Air	80'	'		80			35.0'

No. 13

From **May 29** to **June 11** 1930

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
161 May 29	eE	14 07 51.2						Local shock.
	LE	14 08 03.9						
	FE	14 11 13.9						
162 " 31	eE	18 02 53.1						
	FE	18 14 14.2						
163 Jun 4 1	eE	6 34 57.0						Local shock.
	LE	6 35 01.4						
	FE	6 36 50.6						
164 " 2	eE	21 37 43.5						Do.
	FE	21 39 14.6						
165 " "	eE	22 37 52.3						Do.
	FE	22 39 43.7						
166 " 4	eE	9 56 24.2						
	FE	10 09 52.2						
167 " "	eE	15 04 41.6						Local shock.
	FE	15 05 42.5						
168 " 6	eE	9 39 16.1						Do.
	LE	9 39 30.1						
	FE	9 41 50.4						
169 " "	eE	12 44 22.4						Do.
	LE	12 44 30.8						
	FE	12 46 37.0						
170 " 8	eZ	4 37 09.6						Felt in the southeastern coast.
	LE	4 37 34.5						
	FE	4 40 36.1						
171 " 9	eE	23 21 38.--						Local shock.
	FE	23 26 09.--						
172 " 10	eE	5 33 09.2						
	LE	5 33 15.0						
	FE	5 35 51.7						
173 " 11	PE	0 57 36.3						Distant earthquake; registered other four stations.
	SE	1 03 39.1						
	LE	1 09 33.5						
	FE	1 27 --						
174 " "	eE	13 45 29.7						Felt in southern Taiwan; epicenter probably same as No. 150.
	SE	13 45 39.2						
	LE	13 45 47.4						
	ME	13 46 06.3	1.9					
	MN	13 46 24.5	2.4					
	FE	13 47 08.--		147		132		

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

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Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Striked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 '	'	8.0	120			12.5 '
Wiechert	NS	Air	200 '	'		80			32.5 '
Wiechert	EW	Air	290 '	'		80			32.5 '
Wiechert	Vert.	Air	80 '	'		80			35.0 '

No. 14

From June 12 to June 22 1930

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km	Remarks
				AE $\mu$	AN $\mu$	AZ $\mu$		
175 June 12	eE FE	6 00 31.8 6 02 09.-						Local shock.
176 " 13	eE LE FE	0 04 23.7 0 04 45.6 0 07 --						Do.
177 " 14	eE FE	8 08 30.8 8 10 08.-						Do.
178 " 19	eZ FE	13 20 43.7 14 15 --						Distant earthquake; registered at Manila.
179 " 20	PZ LE ME MN FE	10 09 45.7 10 10 00.0 10 10 03.8 10 10 03.8 10 15 --	0.9 1.1	104	103			Weakly felt in Karenko and several districts in the mountain of middle Taiwan; epicenter probably off coast of Karenko.
180 " "	PZ LE MN ME FE	10 47 03.9 10 47 17.6 10 47 21.0 10 47 27.0 10 51 --	1.6 1.3	115	83			Weakly felt at Karenko; same epicenter as before.
181 " "	eE FE	10 52 50.2 10 54 42.5						Felt at Karenko, after shock of No. 179.
182 " "	PE LE ME MN FE	13 59 30.7 13 59 44.7 13 59 53.3 13 59 57.3 14 05 --	1.4 1.5	114	100			Weakly felt at Karenko and neighbouring districts, after shock of No. 179.
183 " "	eE FE	17 49 16.2 17 51 51.0						After shock of No. 179.
184 " "	eZ LE FE	21 12 22.2 21 12 34.1 21 15 30.-						Do.
185 " "	eE FE	21 22 32.2 21 23 50.-						Do.
186 " "	eZ LE FE	22 23 05.6 22 23 12.9 22 25 40.-						Do.
187 " 22	eE FE	1 41 20.4 1 43 30.-						Felt at Seikoō, south- eastern coast of Taiwan.

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\varphi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Striked sheet	25.0	20			12.5 mm.
Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			32.5'
Wiechert	EW	Air	200'	'		80			32.5'
Wiechert	Vert.	Air	80'	'		80			35.0'

Nb5

From June 23 to June 30 1930

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
188 June 23	PE	0 23 58.5						After shock of No. 179.
	LE	0 24 09.9						
	FE	0 25 30.-						
189 " "	eE	3 34 59.2						Do.
	FE	3 38 30.-						
190 " 4 "	eE	11 31 52.7						Local shock.
	FE	11 34 30.-						
191 " "	eE	14 08 11.5						Do.
	FE	14 09 10.-						
192 " "	eE	16 07 01.0						Do.
	FE	16 08 --						
193 " "	eE	19 42 09.3						Do.
	FE	19 44 20.-						
194 " "	eE	19 48 30.-						
	FE	20 08 --						
195 " 25	eN	13 07 05.9						After shock of No. 179.
	LN	13 07 13.5						
	FN	13 09 20.-						
196 " 26	eN	2 30 34.3						Local shock.
	FN	2 32 --						
197 " "	eE	15 42 57.8						After shock of No. 179.
	LE	15 43 16.7						
	FE	15 44 30.-						
198 " "	eE	16 38 13.0						Felt at Seikoō, south- eastern coast of Taiwan.
	FE	16 40 40.-						
199 " 27	eE	9 46 22.0						Local shock.
	FE	9 48 10.-						
200 " "	eE	15 41 20.6						Do.
	FE	15 43 20.-						
201 " 29	eE	19 12 05.6						After shock of No. 179.
	FE	19 15 20.-						
202 " 30	eE	0 30 47.7						Local shock.
	FE	0 32 10.-						
203 " "	eN	17 25 21.1						After shock of No. 179.
	LE	17 25 41.2						
	FE	17 28 30.-						

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Maguetic	16 kgm	Smoked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 '	'	8.0	120			12.5 '
Wiechert	NS	Air	200 '	'		80			32.5 '
Wiechert	EW	Air	290 '	'		80			32.5 '
Wiechert	Vert.	Air	80 '	'		80			35.0 '

No. 16

From June 30 to July 11 1930

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
		h m s	s	$\mu$	$\mu$	$\mu$	km	
204 June 30	eZ	17 30 16.9						Local shock.
	FE	17 32 --						
205 July 1	eZ	22 35 13.7						After shock of No. 179.
	LE	22 35 31.5						
	ME	22 35 55.4	1.3	60				
	MN	22 35 35.6	1.4		56			
	CN	22 36 05.0						
	FN	22 37 35.-						
206 " 2	PZ	21 09 38.0						Registered in six stations except Tainan.
	SE	21 14 23.5						
	LE	21 19 19.7						
	ME	21 19 27.5	5.6	106				
	MN	21 19 31.2	6.1		163			
	MZ	21 20 00.4	5.5			41		
	MN	21 20 38.6	5.1		274			
	ME	21 21 55.6	5.5	144				
	MZ	21 21 55.6	5.5			83		
	MN	21 22 40.2	5.1		301			
	CN	21 27 00.0						
	FN	22 10 --						
207 " 5	eE	6 32 19.8						After shock of No. 179.
	LE	6 32 28.3						
	FE	6 34 --						
208 " 6	eE	11 00 25.1						Local shock.
	LE	11 00 33.9						
	FE	11 02 06.-						
209 " "	eE	11 57 33.9						Felt at Kayahara, the northern mountain district and registered at Karenko.
	LE	11 57 46.9						
	FE	12 00 20.-						
210 " 7	PE	23 56 30.3						Local shock.
	FE	23 58 --						
211 " 8	eE	22 24 38.1						Do.
	LE	22 24 53.3						
	FE	22 27 05.-						
212 " 10	eE	7 06 44.7						Do.
	FE	7 08 20.-						
213 " "	PZ	10 14 20.9						Do.
	ME	10 14 23.1	0.8	69				
	FE	10 16 --						
214 " 11	eE	5 03 31.7						Do.
	FE	5 05 --						



# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

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of the Taihoku Meteorological Observatory

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Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Stripped sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 "	"	8.0	120			12.5 "
Wiechert	NS	Air	200 "	"		80			32.5 "
Wiechert	EW	Air	200 "	"		80			32.5 "
Wiechert	Vert.	Air	80 "	"		80			35.0 "

No. 17

From July 17 to July 22 1930

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
215 July 11	eE	5 <sup>h</sup> 21 <sup>m</sup> 43.9 <sup>s</sup>	s	$\mu$	$\mu$	$\mu$	km	Local shock.
	FE	5 23 20.-						
216 " 13	eZ	19 37 04.1						Do.
	LZ	19 41 15.4						
	FE	19 57 --						
217 " 14	eE	8 30 14.9						Do.
	SE	8 30 29.9						
	FE	8 32 40.-						
218 " 16	eE	6 17 47.7						Do.
	FE	6 19 20.-						
219 " 17	eW	1 33 14.5						Do.
	SW	1 33 26.8						
	FE	1 35 10.-						
220 " "	eE	6 42 29.4						Do.
	SW	6 42 37.1						
	FE	6 44 20.-						
221 " "	eE	7 34 09.3						Do.
	FE	7 35 10.-						
222 " 19	eE	16 09 46.4						Do.
	FE	16 11 20.-						
223 " 20	eE	3 20 56.7						Do.
	FE	3 22 20.-						
224 " "	PZ	10 27 05.2						Felt at Karenko, eastern coast of Taiwan.
	SE	10 27 15.7						
	ME	10 27 19.2	2.6			280		
	MN	10 27 25.4	2.8		279			
	CN	10 28 41.3						
	FN	10 39 --						
225 " "	eE	14 54 29.3						After shock of No. 224.
	FE	15 00 --						
226 " 21	eE	13 17 08.5						
	FE	13 18 20.-						
227 " "	eE	16 33 22.8						
	SE	16 33 27.3						
	FE	16 34 30.-						
228 " 22	eE	19 31 39.2						
	LE	19 36 35.4						
	FE	20 20 --						

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Magnetic	16 kgm	Striked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55'	'	8.0	120			12.5'
Wiechert	NS	Air	200'	'		80			32.5'
Wiechert	EW	Air	200'	'		80			32.5'
Wiechert	Vert.	Air	80'	'		80			35.0'

No. 18

From July 23 to Aug. 7 1930

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km	Remarks
				AE $\mu$	AN $\mu$	AZ $\mu$		
229 July 23	eE	0 50.5					Dilatory, P lost in changing sheet.	
	FE	1 30 --						
230 " "	eZ	9 16 13.2					Local shock.	
	FZ	9 18.4						
231 " "	eZ	19 02.5					Do.	
	FZ	19 06.5						
232 " "	eZ	19 55 26.--					Do.	
	FZ	19 57.4						
233 " 25	eE	9 08 51.6					Do.	
	FE	9 10 30.--						
234 " 26	eE	17 14 44.8					Do.	
	FE	17 16 15.--						
235 " 29	eE	22 08 42.5					Do.	
	SE	22 08 55.0						
	FE	22 11 50.--						
236 " 30	eE	14 41 41.7					Do.	
	FE	14 44 --						
237 " "	eE	17 22 02.--					Do.	
	FE	17 22 40.--						
238 Aug. 5	eE	4 27 38.1					Do.	
	FE	4 29 23.--						
239 " 6	eE	3 18 14.6					Do.	
	SE	3 18 29.8						
	FE	3 20 20.--						
240 " 7	PN	0 01 37.2					Felt at Karenko.	
	SN	0 01 53.1						
	ME	0 01 54.8	1.2	209				
	MN	0 01 58.1	1.8		204			
	CN	0 03 22.8						
	FN	0 10 --						
241 " "	eN	11 42 02.7					Local shock.	
	SN	11 42 12.2						
	FN	11 44 10.--						

# TAIHOKU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED	V
Omori	EW	Magnetic	16 kgm	Slacked sheet	25.0	20			12.5 mm.	
Omori	NS	No	55'	'	8.0	120			12.5'	
Wiechert	NS	Air	200'	'	5.3	870	1.017		32.5'	3.9
Wiechert	EW	Air	200'	'	5.3	870	0.355		32.5'	2.2
Wiechert	Vert.	Air	80'	'	5.0	849	0.925		35.0'	3.3

No. 19

From Aug. 7 to Aug. 24 1930

No. and Date	Phase	Time			Period	Amplitude			Distance	Remarks
						AE	AN	AZ		
		h	m	s	s	$\mu$	$\mu$	$\mu$	km	
242 Aug. 7	PE	23	48	07.1						Felt at Taito weakly, at Tainan and Karenko slightly.
	SE	23	48	16.8						
	LE	23	48	33.5						
	ME	23	48	56.4	3.4	391				
	MN	23	48	57.8	2.9		368			
	FE	0	05	--						
243 " 8	PE	0	05	53.8						
	LE	0	06	22.1						
	FE	0	14	--						
245 " 10	eN	17	15	.0						Distant quake, very faint record, by Omori's.
	FN	19	30	--						
251 " 18	PZ	2	29	26.3						
	MN	2	29	59.6	2.4		79			
	ME	2	30	00.2	1.4	77				
	FE	2	37	--						
252 " "	eE	10	30	--						Very faint record, by Omori's.
	FE	12	05	--						
253 " 20	PZ	20	54	15.5						Felt in the northern part of Taiwan, by strong seismograph.
	SN	20	54	24.3						
	MN	20	54	27.8	1.8		12,975			
	ME	20	54	27.9	1.2	8,375				
	MZ	20	54	27.9	1.4			2,600		
	CN	20	55	33.0						
	FE	22	25	--						
285 " 21	eE	2	29	08.2						
	SE	2	29	17.7						
	ME	2	29	20.3	1.1	131				
	MN	2	29	21.2	1.1		136			
	F	Lost in following quake.								
295 " "	eE	6	47	43.9						Slightly felt at Taihoku.
	SE	6	47	52.4						
	ME	6	47	53.5	0.9	255				
	MN	6	47	55.9	1.0		239			
	FE	6	50	50.-						
305 " 22	PE	1	41	53.2						Do.
	LE	1	42	01.5						
	MN	1	42	04.7	0.9		155			
	ME	1	42	06.1	1.0	174				
	FE	1	46	20.-						

# TAIHOKU, TAIWAN, NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

Time : Mean Greenwich, midnight to midnight.



### INSTRUMENTS CONSTANTS

INSTRUMENT	COMP.	DAMPING	MASS	REGISTRATION	To	V	r	s	PAPER SPEED
Omori	EW	Maguetic	16 kgm	Striked sheet	25.0	20			12.5 m.m.
Omori	NS	No	55 '	'	8.0	120			12.5 '
Wiechert	NS	Air	200 '	'		80			32.5 '
Wiechert	EW	Air	200 '	'		80			32.5 '
Wiechert	Vert.	Air	80 '	'		80			35.0 '

No. 20

From Aug. 24 to Sept. 13 1930

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
316 Aug. 24	eE FE	11 <sup>h</sup> 01 <sup>m</sup> 32.7 11 08 40.-	s	$\mu$	$\mu$	$\mu$	km	
339 " 30	eE LE FE	4 50 42.6 4 51 05.8 4 53 10.-						
353 Sept. 6	PZ SE MN ME ME FE	4 25 02.1 4 25 11.4 4 25 13.5 4 25 13.7 4 25 25.4 4 29 20.-	0.9 0.8 0.9	53 61	96			
364 " 9	PZ SE LE ME MN FE	10 41 55.8 10 42 07.8 10 42 24.5 10 42 48.3 10 42 55.8 10 50 --	2.1 2.6	99	80			
365 " "	PZ SN LN MZ FZ	19 04 40.2 19 04 45.2 19 04 54.2 19 05 01.9 19 11 30.-	0.9		146		M <sub>E,N</sub> lost by force of shock.	
366 " 11	eE SE ME MN FE	11 04 15.5 11 04 33.2 11 04 42.5 11 04 58.0 11 10 30.-	1.7 1.4	188	131			

The omitted Nos. 244, 246-250 are unfeeling minute after shocks of No. 242 and Nos. 254-284, 286-294, 296-304, 306-315, 317-338, 340-358, 360-363, those of No. 253.

# TAIHOBU. TAIWAN. NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\varphi=25^{\circ} 2' 19''$  N.  $\lambda=121^{\circ} 30' 49''$  E.  $h=8.0$ m Underground : alluvial.

### INSTRUMENTS CONSTANTS

INSTRUMENT	COMPONENT	DAMPING	MASS	$T_0$	V	$\frac{r}{T_0}$	$\varepsilon$	Date
Omori	N - S	-	16					
Omori	E - W	Magnet	55					
Wiechert	N - S	Air	200					
Wiechert	E - W	Air	200					
Wiechert	U - D	Air	80					



No. 22

From Sept. 22 Sept. 30 0

No. and Date	Phase	G. M. C. T.			Period	Amplitude			Distance	Remarks
		h	m	s		s	$\mu$	$\mu$		
379 Sept. 22	PE	14	24	36.2				4100		
	SE	14	29	22.0						
	LE	14	33	14.2						
	FE	14	46	--						
380 " "	eE	15	47	14.2						
	FE	15	48	30.-						
381 " 23	eE	15	04	13.9						
	FE	15	05	30.-						
382 " "	eE	16	46	11.2						
	FE	16	47	30.-						
383 " 24	LE	7	45.0						Very faint, by Omori's.	
	FE	8	15.0							
384 " "	LE	12	13.5						Distant quake, by Omori's.	
	FE	13	15.0							
385 " "	eE	20	13	51						
	LE	20	14	00						
	FE	20	16	--						
386 " 25	eE	16	48	10						
	FE	17	10	--						
387 " "	eE	18	38	24				3240		
	LE	18	44	50						
	FE	19	20	--						
388 " 27	eE	3	13	26.7						
	FE	3	14	20.-						
389 " "	eE	11	57	53						
	FE	11	58	30						
390 " 28	eE	5	59	15.0						
	FE	6	05	--						
391 " "	eE	17	06	11.5						
	FE	17	07	20.-						
392 " 29	eN	4	54	32.-						
	F	lost in following quake.								
393 " "	eN	4	56	04						
	FN	4	57	50						
394 " 30	eN	8	51	04.4						
	LN	8	51	33.8						

# TAIHOKU, TAIWAN, NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi = 25^{\circ} 2' 19''$  N.  $\lambda = 121^{\circ} 30' 49''$  E.  $h = 8.0$ m Underground : alluvial.

### INSTRUMENTS CONSTANTS

INSTRUMENT	COMPONENT	DAMPING	MASS	$T_0$	V	$\frac{r}{T_0}$	$\epsilon$	Date
Omori	N - S	-	16					
Omori	E - W	Magnet	55					
Wiechert	N - S	Air	200					
Wiechert	E - W	Air	200					
Wiechert	U - D	Air	80					

No. 21

From Sept. 11 Sept. 22 1930



No. and Date	Phase	G. M. C. T.			Period	Amplitude			Distance	Remarks
						AE	AN	AZ		
		h	m	s	s	$\mu$	$\mu$	$\mu$	km	
367 Sept. 11	eE	19	00	26.6						
	FE	19	01	10.-						
368 "	eZ	23	55	31.7						
	F	23	56	30.-						
369 " 12	eE	17	37	43.-						
	FE	17	38	39.-						
370 " 13	eE	20	35	35.-						
	FE	20	36	26.-						
-----										
240 Aug. 6	eN	7	39	27.7						
	FN	7	55	--						
The earthquake was overlooked before and now detected. It should be inserted in order of date and every number of earthquakes after the date should be moved down one order.										
-----										
372 Sept. 16	PE	1	56	27.9						
	LE	1	56	54.6						
	ME	1	56	55.3	1.2	104				
	MN	1	56	55.3	1.2		-86			
	FE	1	59	30.-						
373 " 17	eE	16	26	56.8						
	SN	16	27	14.1						
	LN	16	27	44.6						
	FE	16	34	30.-						
374 " "	eE	16	37	20.9						
	LE	16	38	19.9						
	FE	16	40	30.-						
375 " 19	PZ	4	50	18.5						
	SZ	4	50	24.7						
	LZ	4	50	40.6						
	ME	4	50	51.8	1.4	200				
	MN	4	50	53.6	1.6		200			
	FE	4	56	30.-						
376 " 21	PZ	23	08	59.6					3110	
	SE	23	12	54.8						
	LE	23	15	05.5						
	ME	23	17	26.5	9.5	1161				
	F	lost in following quake.								
377 " "	eE	23	38	55.7						
	FE	23	52	--						May be after shock of preceding quake.
378 " 22	eE	5	06	00.6						
	FE	5	16	--						

# TAIHOKU, TAIWAN, NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi = 25^{\circ} 2' 19''$  N.  $\lambda = 121^{\circ} 30' 49''$  E.  $h = 8.0$ m Underground : alluvial.

### INSTRUMENTS CONSTANTS

INSTRUMENT	COMPONENT	DAMPING	MASS	$T_0$	V	$\frac{r}{T_0}$	$\epsilon$	Date
Omori	N - S	-	16					
Omori	E - W	Magnet	55					
Wiechert	N - S	Air	200					
Wiechert	E - W	Air	200					
Wiechert	U - D	Air	80					

No. 23

From Sept. 30 to Oct. 16 1930



No. and Date	Phase	G. M. C. T.	Period	Amplitude			Distance	Remarks
				AE	AN	AZ		
395 Sept. 30	eE	21 <sup>h</sup> 27 <sup>m</sup> 13.0 <sup>s</sup>	s	μ	μ	μ	km	Distant quake.
	FE	22 36 39.0						
396 Oct. 1	PE	2 55 09.0						
	LE	2 56 27.0						
	FE	3 12 59.0						
397 " 3	PN	11 38 08.9						
	SN	11 38 12.3						
	FN	11 39 01.7						
398 " 6	eE	18 35 50.0						Very faint record.
	FE	18 37 50.0						
399 " "	PE	22 36 20.0						
	SE	22 36 33.6						
	FE	22 39 42.7						
400 " 8	eE	10 29 37.-						Distant quake, very faint record.
	FE	11 15 35.0						
401 " "	eE	16 24 10.5						Very faint record.
	FE	16 25 32.0						
402 " 10	eE	0 43 --						Times somewhat uncertain, time marks failed on all seismographs.
	F	0 55 25						
403 " "	eN	17 30 58.6						
	FN	17 31 23.7						
404 " "	eE	19 06 52.3						
	FE	19 07 36.2						
405 " 14	PE	5 11 07.8						
	SE	5 11 16.7						
	FE	5 13 07.0						
406 " "	PN	8 27 32.7						
	SN	8 27 39.9						
	FN	8 29 29.4						
407 " "	PN	8 32 51.9						
	SN	8 32 59.1						
	FN	8 33 47.6						
408 " 15	eN	10 30 27.0						
	FN	10 32 07.5						
409 " "	eN	10 49 36.1						
	FN	10 50 21.0						
410 " 16	eE	21 41 04.5						Distant
	FE	22 07 25.8						

# TAIHOKU, TAIWAN, NIPPON. (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi = 25^{\circ} 2' 19''$  N.  $\lambda = 121^{\circ} 30' 49''$  E.  $h = 8.0$ m Underground : alluvial.

### INSTRUMENTS CONSTANTS

INSTRUMENT	COMPONENT	DAMPING	MASS	$T_0$	V	$\frac{r}{T_0}$	$\epsilon$	Date
Omori	N - S	-	16					
Omori	E - W	Magnet	55					
Wiechert	N - S	Air	200					
Wiechert	E - W	Air	200					
Wiechert	U - D	Air	80					



No. 24

From Oct. 17 to Oct. 29 1930

No. and Date	Phase	G. M. C. T.			Period	Amplitude			Distance	Remarks
						AE	AN	AZ		
		h	m	s	s	μ	μ	μ	km	
411 Oct. 17	PE	22	14	14.6						
	SE	22	14	21.0						
	ME	22	14	31.8	1.4	68				Slightly felt at Taihoku.
	MN	22	14	30.0	1.3		100			
	FE	22	17	57.4						
412 " 20	PE	22	54	45.7						Felt in the southwestern part of Taiwan.
	SE	22	54	55.3						
	LE	22	55	07.8						
	MN	22	55	22.1	1.8		79			
	ME	22	55	25.6	1.8	104				
	CE	22	57	39.2						
	FE	23	01	40.-						
413 " 24	ePE	20	20	29.5					2260	
	iPE	20	20	34.6						
	eSE	20	21	27.7						
	LE	20	24	25.8						
	MN	20	25	30.8	4.9		117			
	ME	20	26	06.6	5.4	104				
	eCE	20	52	00.0						
	FE	21	19	16.-						
414 " 26	eE	13	56	58.8						
	FE	13	58	52.5						
415 " 27	eE	11	18	11.9						
	SE	11	18	16.3						
	FE	11	19	46.7						
416 " "	ePN	15	58	13.7						
	FN	15	58	40.1						
417 " "	PN	20	07	48.7						Slightly felt at Taihoku.
	SN	20	07	53.5						
	FN	20	13	39.1						
418 " "	PN	20	23	47.3						
	SN	20	23	52.0						
	FN	20	25	45.-						
419 " 28	eN	21	16	02.1					3160	
	LN	21	20	15.0						
	FN	22	18	--						
420 " 29	ePN	3	59	12.2					Very faint record.	
	FN	4	00	33.4						
421 " "	ePN	11	10	31.0						
	SN	11	10	34.7						
	FN	11	12	11.7						



# TAIHOKU, TAIWAN, NIPPON, (Formosa, Japan)

## SEISMIC BULLETIN

of the Taihoku Meteorological Observatory

$\phi = 25^{\circ} 2' 19''$  N.  $\lambda = 121^{\circ} 30' 49''$  E.  $h = 8.0$ m Underground : alluvial.

### INSTRUMENTS CONSTANTS

INSTRUMENT	COMPONENT	DAMPING	MASS	$T_0$	V	$\frac{r}{T_0}$	$\epsilon$	Date
Omori	N - S	-	16					
Omori	E - W	Magnet	55					
Wiechert	N - S	Air	200					
Wiechert	E - W	Air	200					
Wiechert	U - D	Air	80					

No. 25

From Oct. 29 to Oct. 31 1930



International  
Seismological  
Centre

No. and Date	Phase	G. M. C. T.			Period	Amplitude			Distance	Remarks
						AE	AN	AZ		
		h	m	s	s	$\mu$	$\mu$	$\mu$	km	
422 Oct. 29	eE	13	14	08.0					Very faint record.	
	FE	13	16	--						
423 " "	eN	13	46	30.5					Slightly felt at Taihoku.	
	FN	13	48	17.0						
424 " "	PN	14	16	25.5					Slightly felt at Taihoku.	
	SN	14	16	31.0						
	FN	14	19	30.9						
425 " 30	ePN	12	16	30.3					Distant quake.	
	SN	12	16	36.4						
	FN	12	18	06.-						
426 " 31	eE	10	50	48.6					Distant quake.	
	FE	11	10	--						
427 " "	ePN	22	06	18.8						
	SN	22	06	24.5						
	FN	22	08	00.-						