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THE
SEISMOLOGICAL
BULLETIN

OF

The Central Meteorological Observatory

OF

JAPAN

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1926.

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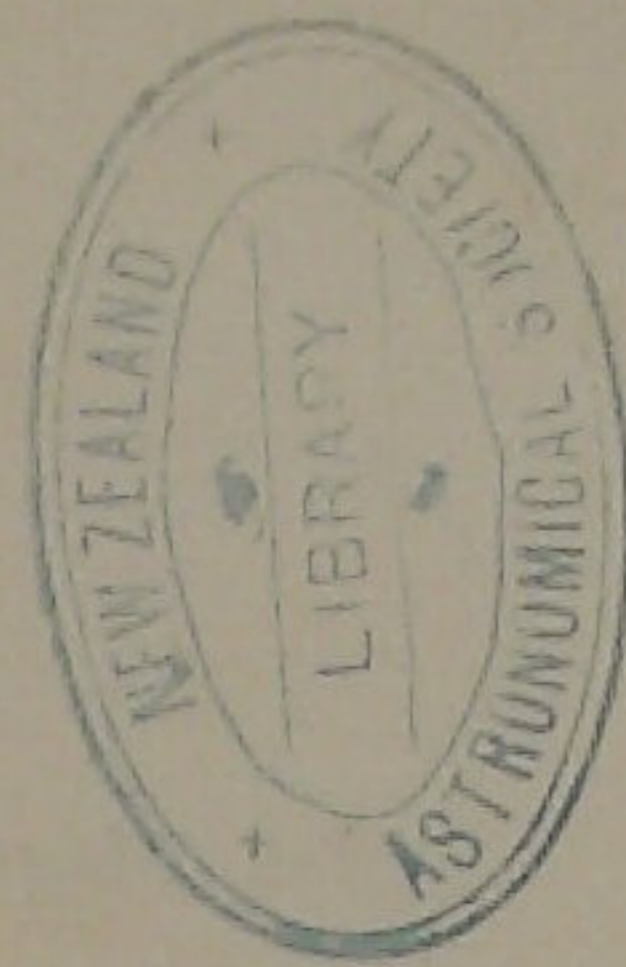
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Introduction.

The present publication contains the result of the seismometrical observations made at the Central Meteorological Observatory, Tokyo in the year 1926.

Position of Observatory:—

Longitude :		139°	45'E
Latitude :		35°	41'N
Height from mean sea level :		21 ^m	
Geological nature :		diluvium.	

*Instrument:—*The instrument in use of this observatory are as follows:—

Wiechert's 200 kg horizontal seismograph			EW comp.	NS comp.
Constants	Magnification	V_0	77	79
	Damping coeff.	ν	3.6	3.7
	Coeff. of friction	ϵ	0.013	0.013
	Proper period (sec)	T_0	3.9 sec.	4.0 sec.

Wiechert's 80 kg vertical seismograph				
Constants	Magnification	V_0	70	
	Damping coeff.	ν	3.0	
	Coeff. of friction	ϵ	0.004	
	Proper period	T_0	4.4 sec	

Galitzin's seismograph with photographic registration

			EW comp.	NS comp.
Constants	Max. magnification	V_0	1000	1000
	Damping coeff.	ν	7.0	7.0
	Proper period	T_0	19 _s sec.	19 _s sec.
	Proper period of galvanometer	T_g	16 _n sec.	16 _s sec.

Mainka's 450 kg Horizontal seimograph			EW component NS component			
			I	II	I	II
Constatns	Magnification	V_0	88	125	88	102
	Damping coeff.	ν	2.6	2.6	3.0	2.2
	Coeff. of friction	ϵ	0.016	0.025	0.019	0.024
	Proper period	T (sec)	9. ^s 8	7. ^s 5	11. ^s 4	11. ^s 5

Fürst Galitzin's Vertical seismograph with photographic registration.

Constants	Max. Magnification	V_0	1000
	Damping coeff.	ν	7.0
	Proper period	T_0 (sec)	10.80
	Proper period of galvanometer	T_g	12.80

Omori's Horizontal seismograph (improved at our observatory) with magnetic damper.

			EW comp.	NS comp.
Constants	Magnification	V_0	20	20
	Damping coeff.	ν	2.2	2.1
	Coeff. of friction	ϵ	0.003	0.003
	Proper period of galvanometer	T (sec)	16^s	16^s

Omori's Portable seismometer

			EW comp.	NS comp.
Constants	Magnification	V_0	50	50
	Coeff. of friction	ϵ	0.005	0.006
	Proper period	T (sec)	4	4

For the recording of teleseismic disturbances and distant earthquakes, we use the seismographs of Galtzin, Mainka and Omori, and for the observations of near earthquakes, the Wiechert seismograph and Omori seismometer are used.

Scales of the intensity of earthquake:—The intensity of earthquakes, have been estimated according to the scale 0 to 6 and the comparison of our scale with Cancani's scale is as follows;—

Cancani scale	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Our Scale	0		1		2		3		4	5	6	
Name	No feeling		Slight		Moderate		Rather Strong		Strong	Very strong	Disastrous	
Acceleration	< 2.5	2.5	5	10	25	50	100	250	500	1000	2500	> 5000
mm/sec ²		5.0	10	25	50	100	250	500	1000	2500	5000	

Methods of determining the epicentre:—The following four methods are used to determine a epicenter of any earthquake from the observations taken at the stations in this country:—

1. By the direction of initial motion.
2. By the epicentral distance determined from Prof. Omori's formula $\Delta = 7.42t$ for the near earthquakes, where Δ is the epicentral distance and t the duration of the preliminary tremor PL.
3. By the isochronal lines, which are drawn with the data taken from the reports of the meteorological stations. At these stations the time are kept by marine chronometers, the daily rate of which being determined by catching the wireless

F (Finis)=End of discernible movements.

2. Nature of the motion.

i (impetus)=Sudden beginning of the motion.

e (emersio)=Gradual beginning of the motion.

T (Period)=Time of one complete oscillation.

A=Amplitude of the earth motion in microns.

A_E =E—W component of A.

A_N =N—S component of A.

A_z =Vertical component of A.

3. Character of the Earthquake.

d (terræ motus domesticus)=Local shock.

v (terræ motus vicinus)=Near shock.

r (terræ motus remotus)=Distant shock (Origin from 1000 km to 5000 km. distant)

u (terræ motus ultimus)=Very distant shock or teleseism (Origin more than 5000 km. distant)

Seismograms :—

The reproduction of a seismogram of the earthquake which occurred in the year 1926 is inserted in the annexed plates.

Data of the earthquakes :—

In the case of remarkable earthquakes, a full data reported from the meteorological stations of this country are given in the present report. The positions of these stations are found also in the annexed plates.

General view of the seismic activity of Japan in the year 1926.

In this year 4913 earthquakes are recorded on the seismographs at the meteorological observatories in this country of which 391 are also recorded by the instruments installed at the Central Meteorological Observatory, Tokyô. The monthly number of earthquake recorded at Tôkyô is given in the following table:—

		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sepet.	Oct.	Nov.	Dec.	Sum
Number of unfelt Earthquake		24	25	30	42	53	29	26	54	26	33	33	16	391
Number of felt Earthquake		3	10	5	7	5	4	5	10	3	1	3	4	60
Intensity of felt Earthquake	Slight I	3	9	5	4	2	3	4	8	3	1	3	3	48
	Moderate II	0	1	0	2	3	1	1	1	0	0	0	1	10
	Rather Strong III	0	0	0	1	0	0	0	0	0	0	0	0	1
	Strong IV	0	0	0	0	0	0	0	0	0	0	0	0	0
	Very Strong V	0	0	0	0	0	0	0	1	0	0	0	0	1

In the whole country, the number of earthquakes recorded in this year, is a little less than that in the last year, but when we compare this number to that in 1924, we have the increase of 1088. It is clear that the total number of the earthquakes recorded in the last year is greatly increased by the numerous aftershocks of the destructive earthquake occurred in the northern district of Tazima on 23rd May 1925. In this year, there was experienced no destructive one in this country. The total number of the earthquake recorded compared to that in the last year is as follows:—

	1925	1926	Difference
Number of unfelt earthquake	1886	1272	(-) 614
Number of felt earthquake	3411	3641	(+) 230
Total number of earthquake	5297	4913	(-) 384

Thus, in this year, though the number of earthquakes decreases than that in the last year, a number of remarkable earthquakes occur everywhere of our country show-

District		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Sum
Kawntō	Pacific	12	4	9	4	5	3	9	5	8	9	11	4	83
	Inland	16	26	10	24	24	14	9	25	13	9	12	19	201
	Sagaminada	8	7	12	6	5		7		1	3			49
Middle Part of Honsyū	Japan Sea and its coast	4	1	2		1		1			2			11
	Inland		3	5	5	2	5	6	9		2	2	5	44
	Pacific	3			2	1	1	2				2		11
Kinki	Kii Straits	49	21	30	20	25	28	28	25	13	31	29	23	322
	Inland	3		3	2	7	2	1	2	4	1	2	2	29
Tyugoku and Sikoku	San-in	1		2	2	1		1	1	4	2	5	9	28
	North-Tazima	1	5	1		1	3	2	1	2	1	1		18
	Sanyō	2		1		1		2	1	1	1	5	1	15
	Seto inland Sea	4	2				4	1	1	5			3	20
	Sikoku			2		5	3		2	1	1	1	1	16
	Pacific	2												2
Kyūsyū	Northern Part	4	3	2	1	1	8	1	1	4	1	5		31
	Southern Part	3	1	3	6	4	4	3				1	4	29
Okinawa Is.		1	5	4	8	3	5	13	57	2	11	4	1	114
Taiwan		1	1	4	3	2	4	2	3	12	3	1	4	40
Tyūsen			1						1		1			3
Karahuto			1		1			1			1			4
The other Part						1			1					2
Sum		140	97	110	93	111	100	103	143	82	98	102	93	1272

TABLE I

Table of Shocks observed at The Central Meteorological Observatory, Tokyo, in the Year 1926.

January.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	△ Km	Intensity, Epicentre and Remarks
			h	m	s	Λ_N μ	Λ_E μ	Λ_Z μ				
1	10	P	09	03	03.1						157 Felt slightly, Kasima-nada. 141°·5E, 36°·5 N; Felt area 141000 sq. Km.	
		\bar{P}			09.2							
		S(L)			24.2							
		MN			24.6	—240			3			
		MN			52.0	± 16						
		MN	04	17.5		15				v.		
		MN		47.2		15			3			
		ME	03	30.5		— 15						
		ME	42	42.4		—150						
		F		59								
2	10	P	09	35	41.2				E33.2	155 Kasima-nada. 141°·2E, 36°·4N Felt area 414000 sq. Km. v.		
		L		36	02.0				N20.0			
		ME			15.5			± 95				
		ME			39.5			— 70				
		MN			12.6	65						
		eF		44								
3	11	P	17	59	21.1				E? N?	128 Felt slightly, The coast of Honmoku (Bay of Tokyo). d.		
		L			38.9				UP.			
		MN			—	±465						
		ME			—	±465						
		eF	18	04								
4	12	P	21	59	16.3					42 Felt Slightly, The coast of Honmoku (Bay of Tokyo). d.		
		L			22.1							
		MN			22.4	— 56						
		ME			2.25	—	— 30					
		F	22	00	36							
5	15	P	14	55	05.5					89 SSE off the coast of Kusiro., v.		
		L		57	02.1							
		MN			02.6	21		2.8				
		ME				19		2.3				
F	15	03	28									
6	25	iP	00	45	19.6					t. Distant Earthquake.		
		L		56	01.9							
		F	02	23	38							

February.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h'	m	s	A_N μ	A_E μ	A_Z μ				
7	3	iP	21	47	00.0					20	Felt slightly.	
		L			27.3							
		MN			31.2	64		1.4				
		ME			31.7		81					
		F	53	30								
8	4	P	06	45	38.5					720	Eastern part of Tugaru -strait.	
		L		47	15.5							
		MN		48	43.4	298		3.2				
		ME			17.5		128	2.2				
		F	07	07	40							
9	4	iP	12	15	02.6					39	Felt slightly.	
		L			17.6							
		MN			19.2	28						
		ME			17.8		— 45					
		F	13	16	25							
10	7	iP	03	47	20.5					98	Valley of River Kinugawa. <i>d.</i>	
		L			33.7							
		MN			35.2	— 64						
		ME			35.2		84					
		F		52	10							
11	9	iP	17	12	17.5					33	Felt slightly. Valley of River Ara- kawa. <i>d.</i>	
		L			21.9							
		MN			21.9	— 71						
		ME			21.9		— 52					
		F		13	50							
12	9	iP	17	13	47.1					36	Felt slightly. Valley of River Ara- kawa. <i>d.</i>	
		L			51.9							
		MN			51.9	— 39						
		ME			51.9		— 27					
		F	17	14	55							
13	11	eP	05	07	41.2						N. off the coast of Ogasawra Island. 142°.4E, 30°.4N.	
14	13	iP	14	58	34.4					67	Felt Moderately. Valley of River Kinu-gawa. <i>d.</i>	
		L			43.4							
		MN			49.1	161						
		ME			47.0		184					

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ km	Intensity, Epicentre and Remarks.
			h	m	s	A_N μ	A_E μ	A_Z μ				
15	17	F	15	07	30						140°.1 E, 36°.1 N. WSW to cape Erimo, 142°.5 E, 41°.7 N; Felt area 314000 sq. Km. <i>d.</i>	
		P	10	43	26.2							
16	20	iP	20	35	09.7					39	Felt slightly. Neighbourhood of Tokyo. <i>d.</i>	
		L			14.9							
		MN			14.9	— 59						
		ME			15.5		37					
		F			50							
17	22	iP	01	20	04.8					71	Felt slightly. Neighbourhood of Tokyo (Bay of Tokyo.) <i>d.</i>	
		L			14.3							
		ME			18.1		—189					
		MN			19.6	266						
		F		31	05							
18	25	P	06	02	51.1					110	Felt slightly. Lake Kasumiga-wa. <i>d.</i>	
		L		03	0.59							
		MN			18.6	24						
		ME			23.5		31					
		F		06	11							
19	27	P	20	34	05.9					53	Felt slightly. Upper valley of River Edo-gawa. <i>d.</i>	
		L			13.0							
		MN			06.4	— 38						
		ME			06.6		81	1.0				
		F		36	06							

March.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
20	4	P	09	37	31.0						Distant Earthquake. <i>r.</i>	
		PP		39	41.0							
		PPP		40	44.0							
		S?		43	39.0							
		S?		44	49.0							
		SS?		47	52.0							
		L		51								
21	8	eP	20	23	58.2					745	Off the cape Erimo, Hokkaido. 145°3E 41°5N	
		iS		25	38.6	— 14	— 30		0.4			
		L?		26	30.							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity. Epicentre and Remarks.
			h	m	s	A_N μ	A_E μ	A_Z μ				
		M ₁	27	—		± 50	± 50	3.0				
		M ₂	30	—		± 100	± 100	9—8			Felt area 565000 Sq. km.	
		F	21	14							<i>v.</i> ;	
22	13	P	03	57	57.8					99	Felt slightly.	
		L		58	11.1						Off the coast of Komina- to, Bôso Peninsula.	
		F	04	00							<i>d.</i>	
23	15	P	08	00	18.8					202	Upper Valley of river Toyo-Kawa.	
		L			46.0						137°5E 35°0N, Felt area 94000 sq. km.	
		F			04.20						<i>v.</i>	
24	18	eP	14	18	57							
		S		29	47						Distant earthquake.	
		L		42	35						<i>v.</i> ;	
		F		15	50							
25	19	eP	20	34	09.9					760	E. part of the Tugalu Strait.	
		S		35	17.0						142°1E. 41°0N, Felt area 94000 sq. km.	
		L		35	52.4						<i>v.</i> ;	
		M ₁		36	21.5	± 50	± 100	5.0				
		M ₂		37	11	± 90	± 130	7.0				
		F	21	—								
26	20	P	11	00	17.1					62	Felt slightly, Valley of River Kinugawa.	
		L			26.0	-90	$+130$				<i>d.</i>	
		F		03	—							
27	22	P	06	21	48.7					63	Felt slightly, Valley of River Tone.	
		L			57.2						<i>d.</i>	
		M		22	02.2	-200	$+100$	± 40				
		F		24								
28	23	P	11	00	55.8					133	Felt slightly, Neighbourhood of Lake Kasuniga-Ura <i>d.</i>	
		L		01	13.6							
		F		04	—							
29	25	P	13	20	43.7					613	Felt slightly, S. off the coast of Cape Erimo.	
		L		22	06.3						143°4E. 41°6N. Felt area 565000 sq. km.	
		ME		—				60			<i>v.</i>	
		MN		—		90						
		F		39	—							

April.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	▲ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
30	1	iP	16	04	54.6					360	Felt moderately, Off the coast of Ensyû-nada. 138°0E 32°7N, Felt area 375000 sq. km. v.	
		iL		05	42.8							
		MN		05	41.2	-1800						
		ME		05	44.2	700		2.0				
		F		34	00							
31	6	P	19	34	05.0					1023	Off the coast of Cape Erime. 143°9E 41°2N. Felt area 350000 sq. km. v.	
		S		35	22.0							
		L		36	06.0							
		MN		39	12.0	22		7				
		ME		38	51.0		22	7				
		eF	20	00	—							
32	6	eP	23	47	25.4					1023	Southern part of Hyûga-na la 132°0E 32°N. Felt area 113000 sq. km. v.	
		eS		49	43.4							
		F	24	02	30							
33	7	P	09	54	39.1					41	Felt slightly, Neighbourhood of Tokyo. d.	
		L		54	44.6							
		MN			44.8	-35						
		ME			44.8		-19					
		F		55	49							
34	10	P	01	18	34					284	The mouth of River Sidu (Rikuzen district.) 141°6E 38°8N. Felt area 116000 sq. km. v.	
		L		19	12.2							
		MN		19	40.0	—						
		ME			41.0		—					
		F		23	04.3							
35	11	iP	06	26	02.1				N 2	68	Felt slightly, Bay of Tokyo. (Neighbourhood of Kisarasdu) d.	
		iL		26	11.3				W 3			
		MN			11.4	-40						
		ME			11.5		+100					
		F		28	12							
36	12	P	08	40	33					Distant earthquake. v.		
		PP		43	02							
		PPP		44	14							
		S		47	34							
		PS(PPS)		48	06							
		SS		51	07							
		SSS		52	04							
		L		52	56							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A _N μ	A _E μ	A _Z μ				
		ME	09	01	54		± 284					
		MN	08	58	43	-376						
		F	11	—	—							
37	13	iP	17	08	27.1				S 9	61	Felt slightly,	
		L			35.2				W 3		Neighbourhood of	
		MN			35.3	67		0.3			Lake Kasumiga-ura	
		ME			40.8		47	0.4			(Neighbourhood of	
		F		12	57						Tuti-ura.) <i>d.</i>	
38	13	P	17	56	28.0				S 2	45	Felt slightly,	
		L			34.0				E 4		Upper Valley of	
		MN			34.5				D 3		River Sagami.	
		ME			34.4						<i>d.</i>	
		F		58	20							
39	15	e	09	44	—							
		L?		53	—							
		F	11	—	—							
40	16	e	00	43	—						Distant earthquake.	
		e		56	—						<i>r</i>	
41	18	iP	06	54	27.6				S 57	33	Felt rather strongly,	
		L		54	32.0				W 9		Bay of Tokyo.	
		MN			33.0	-1000			D 250		139. ^o 9E 35. ^o 1N.	
		ME			33.0	-1300					Felt area 40000 sq. km.	
		F	07	05	—						<i>d.</i>	
42	22	P	23	51	08							
		e		52	21						Distant earthquake.	
		S(SR)		55	30						<i>r.</i>	
		L		57	02							
		ME	24	57	37	± 6			11.			
		MN	25	00	27				11.			
		F	—	—	—							
43	25	eP	04	04	09.7						Upper Valley of	
		S		07	35.0						River Ara-kawa.	
		F		23	10						(Neighbourhood of	
											Kunagaya.)	
											<i>d.</i>	
44	27	iP	14	17	20.2					72	Felt moderately,	
		L		17	29.9						Lower Valley of	
		MN			30.1	-405					River Kina. \times	
		ME			30.1	-565					<i>d.</i>	
		F		22	20							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
45	28	P	11	33	25.0						Distant earthquake. <i>r.</i>	
		eF	12	30								
46	30	iP	15	35	02.5					N 8	175 The coast of Cape Sioya. 141°3E 37°2N. Felt area 56000 sq. km. <i>v.</i>	
		iL		35	26.0					W17		
		MN			34.9	56						
		ME			35.4	± 57						
		F		40	—							
47	30	iP	17	36	22.0						69 Felt moderately, Valley of River Kinu. 140°1E 36°1N. Felt area 58700 sq. km. <i>d.</i>	
		iL			31.3							
		MN			31.4	-520						
		ME			"	+605						
		F		41	20							
48	30	iP	15	35	02.5						175 Off the coast of Cape Sioya. 141°03E 37°2N. <i>v.</i>	
		iL		35	26.0							
		MN		35	34.9	+56				—		
		ME		35	35.4	± 57				—		
		F		40	00							
49	30	P	17	36	22						Felt slightly, Upper Valley of River Arakawa. (Neighbour- hood of Kōnosu) <i>d.</i>	
		iL		36	31					—		
		ME		36	31.4	+605				—		
		MN		41	22	-520						

May

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
50	7	P	6	12	40.2						Neighbourhood of Titi-Zima Is.	
		S		13	29.9							
		L		14	56.6							
		ME		18	41.6	+750			8.8			
		ME		21	05.3	+925			7.5			
		MN		17	16.1	± 975			7.5			
		MN		18	19.3	± 1050			8.6			
		F		7	08.—							
51	11	P	21	41	08.2						42 Felt slightly, Bay of Tokyo. <i>d.</i>	
		L		41	13.9							
		MN		41	13.9	± 150			—			
		ME		41	13.9	± 43			—			
		eF		43	00							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
52	18	P	1	24	10.8						Off the coast of Kasima-nada. (141°0E 36°5N) <i>d.</i>	
		eS		24	36.7							
		L		24	44.8							
		MN		24	51.0	— 88			—			
		ME		24	55.7		— 75		—			
		F		34	00							
53	18	iP	16	59	52.8					to $\begin{cases} w & 0.8 \\ E & 0.3 \end{cases}$ Felt moderately, Valley of River Kinu-gawa. (139°9E 36°2N) Felt area 47200 sq. km.		
		L	17	00	00.9							
		ME		00	02.0		+ 43		1.0			
		MN		00	02.4	+143			0.9			
		eF		05	20							
54	20	P	11	48	14.0					Felt moderately, Epicenter is the valley of River Tone. <i>d.</i>		
		L		48	21.3							
		MN		48	22.1	— 80			0.8			
		ME		48	23.9		—170		0.9			
		F		51	25.0							
55	20	P	23	11	16.0					Felt slightly, Bay of Tokyo. <i>d.</i>		
		L		11	21.8							
		MN		11	22.7	— 34			0.5			
		F		13	—							
56	26	iP	19	46	29.0					Off cape Erimo, (142°8E 41°0N) Felt area 1255000 sq. km. <i>v.</i>		
		iL		47	54.0							
		MN ₁		48	22.0	± 230			1.3			
		ME ₁		48	55.0		± 150		1.2			
		MN ₂		49	37.0	± 300			1.4			
		ME ₂		50	07.0		± 200		1.4			
		F	20	11	—							

June.

No.	Date	phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
57	4	eP	15	09	14.8					Off cape Erimo. (143°5E 41°3N) Felt area 330000 sq. km. <i>v.</i>		
		L		10	29.2							
		F		17	00							
58	5	eP	9	11	59.7					792 Off the coast of Hyuga-nada. (132°2E 32°5N) Felt area 3140000 sq. km. <i>v.</i>		
		L		13	46.4							
		MN		14	32.9	— 43			3.1			
		ME		16	31.8		— 50		4.4			
		F		27	—							

No.	Date	phase	G.M.T.			Amplitude			Period s	First motion	△ Km	Intensity, Epicentre and Remarks
			h	m	s	A _N μ	A _E μ	A _Z μ				
59	6	eI	18	22	01.0					640	Southern off to the cape Erimo. (143°9E 41.7N) v.	
		L		23	27.3							
		F		29	—							
60	9	P	1	28	10.1					42	Felt slightly, a. Upper valley of River Tama-gawa.	
		L		28	15.7							
		MN		28	16	— 30			—			
		ME		28	16		+ 39		—			
		F		29	40							
61	14	eP	23	33	23.0					312	Off the coast of Kinkwa-zan. (141°4E 37°7N) Felt area 1580000 sq. km. v.	
		L		34	04.8							
		F		39	—							
62	26	P	10	42	16.3					75	Felt slightly, Off the coast of Cape Nozima. v.	
		L		42	26.4							
		MN		42	28.0	— 37			0.5			
		ME		42	28.0		— 36		0.6			
		F		45	—							
63	26	P	19	58	34.1					N5 W5 9800	Western part of the Sea of Candia (Mediterranean Sea.) (22°N 35°E) v.	
		S		20	09	23.0						
		F		21	00	—						
64	26	P	22	39	43.4					36	Felt slightly, Valley of River Kobitu in Bôsô Peninsula, (140°2E 35°4N) Felt area 710000 sq. Km. v.	
		L		39	48.3							
		MN		39	53.0	+ 35						
		ME		39	53.0		+ 57					
		F		47	—							
65	28	P	3	22	56.8						After shock of Mediterranean Earthquake v.	
		S		28	58.8							
		L		35	29.8							
		F		5	07							
66	28	P	9	50	50.6					97	Felt slightly, Valley of River Kobitu. d.	
		L		51	03.6							
		MN		51	04	+ 173			0.3			
		ME		51	40		+ 176		0.5			
		F		54	50							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	△ Km	Intensity, Epicentre and Remarks
			h	m	s	A _N μ	A _E μ	A _Z μ				
67	29	P	14	30	14.5					1190	SW-ern Sea of Okinawa Is. (Liuku-Islands) (127°2E 25°0N) Felt very strongly at Okinawa Is.	
		L		32	54.4							
		MN		33	54.0	-93°		4.8				
		ME		34	44.0		-53°	6.0				
		F	15	30	—							

July

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	△ Km	Intensity, Epicentre and Remarks
			h	m	s	A _N μ	A _E μ	A _Z μ				
68	10	P	23	01	36.0						Off the coast of Kasima-nada. Felt area 76000 sq. km. Felt slightly.	
		L		01	50.5							
		F		24	40.0							
69	12	P	10	07	07.8					S 13 W 19 U 4	Neighbourhood of Titibu Mountain group. <i>d.</i>	
		L			17.2							
		MN			17.5	+ 55		—				
		ME			17.5		- 54	—				
		F		12	08							
70	12	P	14	04	49.8					N 12 E 28 D 11	Felt slightly, Local shock, Upper valley of River Tama-gawa. <i>a.</i>	
		L		04	55.1							
		MN		04	55.2	- 40						
		ME		04	55.2		+ 38					
		F		06	15							
71	14	iP	10	02	02.0						Felt slightly, Upper valley of River Sagami. <i>d.</i>	
		iL		02	29.7							
		MN		02	30.5	± 12		0.2				
		ME		02	30.8		± 13	0.3				
		F		08	—							
72	16	iP	19	39	40.7						Felt slightly, Local shock, Valley of River Rokugō. <i>d.</i>	
		iL		39	45.6							
		MN		39	45.7	- 56		—				
		ME		39	45.7		+ 56	—				
		F		40	37							
73	20	P	14	00	00.8						Upper Valley of River Ibi-gawa. (136°9E 35°3N) Felt area 34600 sq. km. <i>v.</i>	
		L			22.6							
		F	14	03	—							
74	26	P	18	55	55.0						Central part of Kinki.	
		L		56	44.5							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	△ Km	Intensity, Epicentre and Remarks
			h	m	s	A _N μ	A _E μ	A _Z μ				
		MN	19	00	08.5	± 181			4.3		Deep earthquake,	
		ME		00	09.1		+ 140			4.0	Felt area 1525000 sq. km.	
		F		20	55						<i>v.</i>	

August.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	△ Km	Intensity, Epicentre and Remarks
			h	m	s	A _N μ	A _E μ	A _Z μ				
75	3	P	3	46	25.8						Off the coast of	
		S		50	58.8						Kôsyun. (Formosa)	
		L		53	53.8						(121°2E 22°1N)	
		F	4	50	—						<i>d.</i>	
76	3	iP	9	26	23.9				SSE		Felt very strongly,	
		L			29.6						Bay of Tôkyô.	
		ME			27		+ 9000		—		(139°8E 35°4N)	
		MN			25	+ 17500			—		Felt area 408000 sq. km.	
		F		32	—						<i>d.</i>	
77	6	P	4	12	27.4						Felt slightly,	
		L		2	32.2						Upper Valley of River	
		MN			33.0	— 29			—		Edo-gawa.	
		ME			33.0		+ 37		—		<i>d.</i>	
78	6	P	6	57	15.0						Southern part of	
		S	7	01	32.0						Isigaki I.	
		L		03	21.0						<i>v.</i>	
		F		57	—						(124°0E 23°8N)	
79	7	P	1	23	43.0						Felt slightly,	
		L			48.2						Bay of Tokyo.	
		F		26	50						Local shock. <i>d.</i>	
80	7	iPv	6	15	07.4						Felt slightly,	
		iPh			09.7						South to the coast	
		L			27.2						of Mera.	
		F		19	40						<i>d.</i>	
81	8	P	18	48	03.5						Felt slightly,	
		L			08.7						Neighbour hood of	
											mouth of River Rokugo. <i>d.</i>	
82	8	P	19	02	39.8						Felt slightly.	
		L			44.9						Westren coast of	
											Kisarazu, Tiba	
											prefecture. <i>d.</i>	
83	8	p	19	09	30.7						Felt slightly	
		L			35.5						Do. <i>d.</i>	

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
84	10	P	14	49	59.1						Felt slightly, Coast of Kudyûkuri-hama. <i>d.</i>	
		L		50	24.2							
85	13	P	4	29	01.4					NE	Felt slightly, Eastern foot of Mt. Huzi. <i>v.</i>	
		L			13.9							
86	15	P	9	42	53.5						Felt slightly, Mouth of River Naka-gawa. <i>d.</i>	
		L		43	09.2							
87	25	eP	5	55	29.0						Distant earthquake <i>r.</i>	
		iS	6	05	21.0							
		eL		15	53.0							

September.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
88	4	iP	15	38	50.8					580	Felt slightly, Eastern off the Cape Erimo (143°9E 42°2N) Felt area 753000 sq. km. <i>v.</i>	
		L		40	10.3							
		F	16	01	00							
89	7	iP	13	38	05.0					62	Felt slightly, Northern off the coast of Kisaradu. <i>d.</i>	
		iL		38	13.4							
		MN		38	13.6	+ 68		0.3				
		ME		38	13.8		- 75	0.3				
		F		40	15							
90	7	iP	12	30	42.2					S14 E11	Distant earthquake. <i>r.</i>	
		S		38	28.5							
		F	13	08	30							
91	10	P	10	43	34.8						Distant earthquake. <i>r.</i>	
		S		47	18.0							
		F	11	54	—							
92	12	P	15	48	05.0					2250	North-eastern off the coast of Taitô. (121°9E 23°4N) Felt area 157000 sq. km. <i>r.</i>	
		L	15	52	53.0							
		MN		54	31.0	± 39		0.7				
		ME		54	45.0		± 41	8.0				
		F	16	32	00							
93	16	P	20	49	17.1					83	Felt slightly, Twin earthquakes : —	
		L		49	28.3							

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
		M_E	34	07.7		38		4.0			(142°1E 41°6N)	
		F	38	—							Felt area 423000 sq. km. v.	
102	20	P	01	42	07.8					297	Upper valley of river Kuduryû.	
		L	42	48.1							(136°3E 35°7N)	
		F	50	—							Felt area 98000 sq. km. v.	
103	26	P	03	52	02.3						Distant earthquake. v.	
		S		57	45.6							
		L	04	02	37.7							
		F	05	12	—							
104	26	P	06	19	00.5						Distant earthquake. d.	
		L		30	33.5							
		F	07	00	—							
105	28	P	19	45	36.0					137	Felt slightly. Off the coast of Tyosi. d.	
		L	45	54.4								
		M_N	45	59.5		+ 53		3.0				
		M_E	45	59.5			- 75	3.5				
		F	50	36								

November.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
106	2	P	21	16	31						Neighbourhood of Kamchatka.	
		S		19	51							
		F	22	—	—						v.	
107	5	iP	19	05	33.6				N2.0	138	Felt slightly, The coast of Kasima-Nada. v.	
		L		05	52.1				E1.1			
		M_E	06	02.8		+ 61						
		M_N	06	26.9			-104	2.0				
		F	15	30								
108	10	iP	08	57	49.1					376	North to the City of Kyoto. (135°8E 353°N)	
		L		58	39.8						Felt area 60000 sq. km. v.	
		M_N	08	59	31.1	± 27		4.5				
		M_E	09	00	02.1		± 38					
		F		04	50							
109	11	eP	07	02	09.5					380	Off the coast of Iwaki, district. (141°5E 37°5N)	
		L		03	00.8							
		MN	03	28.0		± 320		3.6				

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
		M_E	03	12.6		± 396		3.8			Felt area 142000 sq. km.	
		F	38	—							v.	
110	15	P	22	47	08.1					65	Felt slightly,	
		L	47	16.9							Valley of River	
		F	49	10							Tamagawa.	
											d.	
111	19	iP	21	51	57.3					30	Felt slightly,	
		L	52	01.4							Valley of River Edo,	
		M_N	52	03.0		± 66					Neighbourhood of Matudo.	
		F	53	17							d.	
112	27	P	05	25	50						Distant earthquake	
		S	32	50							r.	
		F	55	—								

December.

No.	Date	Phase	G.M.T.			Amplitude			Period s	First motion	Δ Km	Intensity, Epicentre and Remarks
			h	m	s	A_N μ	A_E μ	A_Z μ				
113	5	P	21	12	54.6					160	Felt slightly.	
		S	13	16.1							Northern part of Kasima-	
		M_E	13	45.0		± 70					Nada.	
		M_N	13	39.0			± 110				(141°2E 36°8N)	
		F	25	—							Felt area 90400 sq. km.	
											v.	
114	6	P	00	01	56.0					82	Felt slightly.	
		S	02	07		$- 40$	$- 10$				Lower Valley of River	
											Tone.	
											d.	
115	6	P	12	45	11.7					77	Felt slightly.	
		S	45	22.1		± 25	± 20				Upper Valley of River	
		F	48	—							Kinu.	
											d.	
116	12	iP	22	01	25.7				N_{15}	131	Felt moderately.	
		S(?)	01	39.4					E_{30}		Western branch of	
		M_N	01	45					D_{90}		Lake Kasumigaura.	
		M_E	01	45							(140°2E 36°1N)	
		M_D	01	48							v.	
		F	17	—								

TABLE II.
TABLE OF REMARKABLE EARTQUAKES.

No.	Time of Occurrence G.M.T.			Epicenter	Note	
	th	h	m			
1	Jan.	15	14	53	Far off the coast of Nemuro. $\left\{ \begin{array}{l} \lambda = 146^{\circ}0 \text{ E} \\ \varphi = 41^{\circ}3 \text{ N} \end{array} \right.$	Felt in the whole Island of Hokkaidō, northern part of the Oou and some parts of the Kwantō district.
2		21	21	27	Northern part of the Bango Channel. $\left\{ \begin{array}{l} \lambda = 132^{\circ}1 \text{ E} \\ \varphi = 33^{\circ}7 \text{ N} \end{array} \right.$	Felt in some part of the district of Sikoku, Kyūsyū and Tyūgoku.
3	Feb.	4	6	44	Eastern part of the Tagaru Straits. $\left\{ \begin{array}{l} \lambda = 141^{\circ}7 \text{ E} \\ \varphi = 41^{\circ}6 \text{ N} \end{array} \right.$	Felt in the whole Island of Hokkaidō, a part of the Kurile Islands, the Oou and North Kwantō districts.
4		11	5	6	Far northern off the Island of Ogasawara. $\left\{ \begin{array}{l} \lambda = 142^{\circ}4 \text{ E} \\ \varphi = 30^{\circ}4 \text{ N} \end{array} \right.$	Felt slightly at Titizima I. only but felt instrumentaly all over the country.
5		17	10	42	WNW to the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 142^{\circ}5 \text{ E} \\ \varphi = 41^{\circ}7 \text{ N} \end{array} \right.$	Felt in the whole Island of Hokkaidō and northern part of the Oou district.
6	Mar.	8	20	22	SE to the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 145^{\circ}3 \text{ E} \\ \varphi = 41^{\circ}5 \text{ N} \end{array} \right.$	Felt in the southern part of Hokkaidō and along the pacific coast of the Oou district.
7		25	13	18	Off the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 143^{\circ}4 \text{ E} \\ \varphi = 41^{\circ}6 \text{ N} \end{array} \right.$	Felt in Hokkaidō, the Oou district, and the middle part of the Kwantō district.
8	Apr.	1	16	04	Off Ensyūnada $\left\{ \begin{array}{l} \lambda = 138^{\circ}0 \text{ E} \\ \varphi = 32^{\circ}7 \text{ N} \end{array} \right.$	The earthquake showing abnormal distribution of felt areas. Felt along the pacific coast of our Islands, besides felt at Akita, Hakui and Osaka and their localities. Depth of focus may be tolerably deep.

No.	Time of Occurrence G.M.T.			EPicenter	Note	
	th	h	m			
9	Apr.	6	19	35	Off the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 143^{\circ}9 \text{ E} \\ \varphi = 41^{\circ}2 \text{ N} \end{array} \right.$	Felt in a southern part of Hokkaidō and northern part of the Oou district.
10	May.	26	19	45	SW to the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 142^{\circ}8 \text{ E} \\ \varphi = 41^{\circ}0 \text{ N} \end{array} \right.$	Felt in the whole part of Hokkaidō, the most part of the Oou district, some part of the Kwantō district and Karahuto.
11	June.	5	9	10	Northern part of Hyūga-nada. $\left\{ \begin{array}{l} \lambda = 132^{\circ}2 \text{ E} \\ \varphi = 32^{\circ}5 \text{ N} \end{array} \right.$	Felt in the districts of Kyūsyū, Sikoku, Tyōgoku and some parts of Kinki.
12		29	14	26	SW of the Okinawa Islands. $\left\{ \begin{array}{l} \lambda = 127^{\circ}2 \text{ E} \\ \varphi = 25^{\circ}0 \text{ N} \end{array} \right.$	Felt in all the Islands of Ryūkyū, strongly felt at Naha, Okinawa.
13	July.	26	18	55	Central part of Kinki. $\left\{ \begin{array}{l} \lambda = 136^{\circ}0 \text{ E} \\ \varphi = 34^{\circ}8 \text{ N} \end{array} \right.$	The earthquake showing a normal distribution of felt areas. Felt in whole the district of Kinki, besides, felt at some places of our country, here and there, even in Hokkaidō where Δ is more than 1000 km. Depth of focus may be tolerably deep.
14	Aug.	3	9	25	Tōkyō Bay. $\left\{ \begin{array}{l} \lambda = 139^{\circ}8 \text{ E} \\ \varphi = 35^{\circ}4 \text{ N} \end{array} \right.$	Felt in the most part of the Main Island of Japan. Strongly felt at Tōkyō and its localities.
15	Sep.	4	15	37	E to the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 143^{\circ}9 \text{ E} \\ \varphi = 42^{\circ}2 \text{ N} \end{array} \right.$	Felt in the whole Island of Hokkaidō, the most part of the Oou district, some parts of the Kwantō district and Karahuto.
16	Oct.	19	0	30	SE to the coast of the cape Erimo, Hokkaidō. $\left\{ \begin{array}{l} \lambda = 142^{\circ}1 \text{ E} \\ \varphi = 41^{\circ}6 \text{ N} \end{array} \right.$	Felt in the whole Island of Hokkaidō, and Pacific coast of the northern part of the Main Island. (Honsyū)

TABL III.

TABLE OF MODERATE EARTHQUAKES.

No.	Time of Occurrence	Epicenter.			
		th	h	m	
1	Jan.	10	9	02	Kasima-nada. $\lambda = 141^{\circ}.5E$ $\varphi = 36^{\circ}.5N$
2		14	8	52	Valley of river M. nobe. $\lambda = 133^{\circ}.8E$ $\varphi = 33^{\circ}.8N$
3		30	11	53	Northern off the strait of Bun ξ . $\lambda = 132^{\circ}.1E$ $\varphi = 33^{\circ}.6N$
4	Feb.	3	21	47	Far north-eastern off the Island of Hatidyô. $\lambda = 40^{\circ}.7E$ $\varphi = 34^{\circ}.5N$
5		13	14	58	Valley of river Kinu. $\lambda = 140^{\circ}.1E$ $\varphi = 36^{\circ}.1N$
6	Mar.	15	7	59	Upper valley of river Toyokawa. $\lambda = 137^{\circ}.5E$ $\varphi = 35^{\circ}.0N$
7		19	20	33	Eastern part of the Tugaru straits. $\lambda = 142^{\circ}.1E$ $\varphi = 41^{\circ}.0N$
8	Apr.	6	23	46	Southern part of Hyûga-nada. $\lambda = 132^{\circ}.0E$ $\varphi = 32^{\circ}.0N$
9		10	01	17	The bay of Sidukawa, Rikuzen district. $\lambda = 141^{\circ}.6E$ $\varphi = 38^{\circ}.8N$
10		18	6	54	The bay of Tôkyô. $\lambda = 139^{\circ}.9E$ $\varphi = 35^{\circ}.1N$
11		30	15	34	Off the coast of Sioya-saki. $\lambda = 141^{\circ}.3E$ $\varphi = 37^{\circ}.2N$
12		30	17	36	Valley of river Kinu. $\lambda = 141^{\circ}.1E$ $\varphi = 36^{\circ}.1N$
13	May.	18	01	23	Kasima-nada. $\lambda = 141^{\circ}.0E$ $\varphi = 36^{\circ}.5N$
14		18	16	59	Valley of river Kinu. $\lambda = 1390.9E$ $\varphi = 36^{\circ}.2N$
15	Jun.	4	15	07	Southern off the coast of the Cape Erimo. $\lambda = 143^{\circ}.5E$ $\varphi = 41^{\circ}.3N$
16		6	18	21	SE to the coast of the Cape Erimo. $\lambda = 143^{\circ}.9E$ $\varphi = 41^{\circ}.7N$
17		14	23	33	SSE of to the coast of Kinkwazan. $\lambda = 141^{\circ}.4E$ $\varphi = 37^{\circ}.7N$
18		26	22	39	Valley of river Kobitu.

No.		Time of Occurrence			Ep. center.
		th	h	m	
19	July.	10	23	01	$\lambda = 140^{\circ}.2E$ $\varphi = 35^{\circ}.7N$ NNE to of the coast of Tyōsi.
20		20	13	59	$\lambda = 140^{\circ}.8E$ $\varphi = 36^{\circ}.1N$ Upper valley of river Ibi.
21	Aug.	3	03	40	$\lambda = 136^{\circ}.9E$ $\varphi = 35^{\circ}.3N$ Eastern off the coast of Kōsyun, Formosa.
22		6	15	53	$\lambda = 121^{\circ}.2E$ $\varphi = 22^{\circ}.1N$ Southern off the Islands Isigaki.
23	Sept.	12	15	44	$\lambda = 124^{\circ}.0E$ $\varphi = 23^{\circ}.8N$ Far north-eastern off the coast of Taito, Formosa.
24		23	16	17	$\lambda = 121^{\circ}.9E$ $\varphi = 23^{\circ}.4N$ Off the bay of Miyako.
25		30	14	41	$\lambda = 142^{\circ}.3E$ $\varphi = 39^{\circ}.7N$ Off the bay of Sidukawa, Rikuzen district.
26	Oct.	2	19	03	$\lambda = 141^{\circ}.6E$ $\varphi = 38^{\circ}.2N$ Kasima-nada.
27		3	8	25	$\lambda = 141^{\circ}.1E$ $\varphi = 36^{\circ}.0N$ Off the coast of Iwaki.
28		19	14	05	$\lambda = 142^{\circ}.3E$ $\varphi = 37^{\circ}.8N$ Neighbourhood of yagi.
29		20	01	40	$\lambda = 135^{\circ}.6E$ $\varphi = 34^{\circ}.6N$ Upper valley of river Kuduryū.
30	Nov.	10	08	56	$\lambda = 136^{\circ}.3E$ $\varphi = 35^{\circ}.7N$ North to the City of Kōyō.
31		11	03	01	$\lambda = 135^{\circ}.8E$ $\varphi = 35^{\circ}.3N$ Off the coast of Iwaki.
32	Dec.	05	21	11	$\lambda = 141^{\circ}.5E$ $\varphi = 37^{\circ}.5N$ Northern part of Kasima-nada.
33		12	22	01	$\lambda = 141^{\circ}.2E$ $\varphi = 36^{\circ}.8N$ Western part of the Lake of Kasumiga -ura.
					$\lambda = 140^{\circ}.2E$ $\varphi = 36^{\circ}.1N$

Note on The Principal Earthquakes in the Year 1926.

1. Earthquake occurred at about 14^h 53^m, on Jan. 15th 1926.

This earthquake shook the southern half of Hokkaidô and the pacific coast of Oou province. Seismic intensities observed at the various stations are as follows:—

Intensity	{	moderate; Obihiro, Nemuro,
		slight; Asahikawa, Kusiro, Sapporo, Miyako,
		Hakodate, Muroran, Morioka.

The epicentre of this earthquake lies at a distance of 220 km to the SSE of Nemuro. Some of the seismometrical data reported from the meteorological station are as follows:—

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Obihiro	14	35	23.0		42.0		μ
Kusiro			25.0		45.0	SW	
Nemuro			33.0		43.0		90
Ootomari			34.0		29.0		130
Miyako			55.0	01	05.0	NE	82
Hakodate			55.7	01	02.5	NNE	450
Morioka		54	14.5				
Niigata			33.8	01	23.3		
Sumoto			44.2	01	30.0		
Tyôsi		55	02.9	01	05.4		8
Tokyô			05.5	01	56.6		21
Numadu			12.2				
Nagoya			17.0				
Yokohama			17.7	01	48.0		
Kyôto			25.0				
Oosaka			27.0	02	14.0		

2. Earthquake occurred at about 21^h 27^m, on Jan. 21st, 1926.

This disturbance originated at about 30 km. to the North of the cape Sata, northern part of Bungo Channel and felt in some parts of Sikoku, Kyûsyû and southwestern part of Tyûgoku. The seismic intensities observed at the various meteorological stations are,

Intensity	{	Rather strong;	Kure.
		Moderate;	Ooita, Matuyama, Hiroshima.
		Slight;	Hukuoka, Miyazaki, Okayama, Tadotu, Niihama, Adumadaira, Simonoseki, Wakayama.

Some of the seismometerical data reported from the meteorological stations are as follows :—

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Ooita	21	27	0.29		10.9		900
Kure			05.3		13.2		700
Matuyama			12.7		10.4	ENE	
Hiroshima			14.0		12.6		230
Kôti			14.6		12.0		
Hukuoka			19.5		18.5		
Miyazaki			21.3		21.5		
Okayama			27.0		27.0		280
Nagasaki			29.0		38.0		3
Sumoto			34.9		36.6		35
Sakai			37.8		30.0		
Kagosima			39.0		27.0		120
Tadotu			39.0		23.0		130
Kôbe			42.0		38.3		25
Kyôto			44.2		42.0		
Simonoseki			53.0		19.0		
Gihu			58.3		45.6		

3. Earthquake occurred about 16^h 44^m, on Feb. 4th 1926.

On this day, the whole parts of Hokkaidô and Oou province, Southern part of Kurile Islands and northern part of Kwantô district have experienced a rare great shaking but as the epicentre lies far off the coast, no damage is sustained in everywhere.

The epicentre of this disturbance lies about 50 km. to the SE of the cape Esan, Hokkaidô. Some of the seismometerical data reported from the meteorological stations are as follows :—

Station	Time of occurrence			Duration of PS		First motion	Max, Amp, μ
	h	m	s	m	s		
Hakodate	6	44	34.5		12.5	ENE	3850
Supporo			35.4		13.8	SSE	1866
Muroran			39.0		14.0	NNW	1920
Asahikawa			42.0		43.4	NNE	113
Miyako			46.0		18.0	ESE	2184
Morioka			47.2		22.2	N	501
Akita			50.0		34.0	SW	1210
Midusawa			52.0		26.0	SSW	1750
Isinomaki			54.0		47.0	S	535
Hahoro			58.1		57.3		16
Nemuro	45	07.0			35.4	SW	210
Tukubasan			10.9		58.0		40
Niigata			18.5	01	00.5	NE	1567
Utunomiya			27.7	01	15.2		568
Nagano			30.0	01	39.0	SSW	
Takada			30.6		59.7	SSW	553
Kumagaya			33.8	01	23.8		238
Tyôsi			34.7	01	37.5	WSW	104
Tôkyô			38.5	01	37.0		298

4. Earthquake occurred at about 50^h 06^m, on Feb 11th, 1926.

This earthquake shook the Titizima I. only but felt instrumentary all over the country. The eqicentre of this shock is about 350 km to the North of Titizima I.

Some of the seismometrical data reported from the meteorological stations are as follows:—

Station	Time of occurrence			Duration of PS		First motion	Max. Amp. μ
	h	m	s	m	s		
Titizima	5	06	29.0		42.0		
Mera		07	26.4	01	11.6		13
Miyazaki			31.4	01	45.8		18
Tyôsi			46.6	01	15.2		17
Numadu		08	20.1				
Kumagaya			22.2		45.7		18
Tôkyô			41.2				32
Isinomaki		09	28.3		31.9		13

5. Earthquake occurred at about 10^h 42^m, on Feb. 17th, 1926.

This earthquake shook the whole island of Hokkaidô and the northern part of Oou province. The Epicentre of this quake lies at about 60 km. to the SE of cape the Erimo, Hokkaidô.

Some of the seismometrical data reported from the meteorological stations are as follows :—

Station	Time of occurrence			Duration of PS		First motion	Max. Amp. μ
	h	m	s	m	s		
Sapporo	10	42	07.3		15.6	SW	
Nemuro			23.0		26.2	SSW	
Morioka			27.2		31.6		
Muroran			31.0		15.9		
Midusawa			31.0		40.0		
Kusiro			35.0		20.0	SW	140
Kôhu			38.0		41.0		
Hakodate			40.3		19.5	NE	880
Miyako			47.0		30.0	ESE	72
Tukubasan		43	15.6	01	03.3		10
Tyôsi			21.6	01	08.0		12
Tôkyô			26.2				
Numadu			49.8	01	06.7		

6. Earthquake occurred at about 20^h 21^m, on Mar. 8th, 1926.

This earthquake is similar to that occurred on Feb. 4th of this year, and the pacific coastal region of Hokkaidô and Oou district are shaken. The seismic intensities observed at the stations are

Seismic Intensity	{	Strong;	C. Esan.
		Rather strong;	C. Siokubi.
		Moderate;	Onahama, Hakodate, Midusawa, Muroran, Nemuro.
		Slight;	Kusiro, Sapporo, Miyako, C. Erimo.

The epicentre of this earthquake is about 100 km. to the SE of the cape Erimo and some of the seismometrical data reported from the meteorological stations are as follows :—

Station	Time of occurrence			Duration of PS		First motion	Max. Amp. μ
	h	m	s	m	s		
Nemuro	20	21	16.8		22.0		

Station	Time of occurrence			Duration of PS		First motion	Max. Amp. μ
	h	m	s	m	s		
Obihiro		22	10.0		49.0		
Kusiro			44.0		32.0		
Sapporo		23	00.0		56.6		
Miyako			06.0		56.0		
Midusawa			20.0	01	07.0		
Tyôsi			34.4	01	48.0		
Kumagaya			57.2	02	51.0		48
Tôkyô			58.2	01	40.4		100
Numadu		24	12.5	01	51.0		

7. Earthquake occurred at about 13 18^m, on Mar. 25th, 1926.

By this earthquake, the area including the pacific coast of Hokkaidô and that of the north-eastern part of our main island were shaken. The seismic intensities observed at the stations are

Seismic Intensity	}	Strong;	Nemuro.
		Rather strong;	Kusiro, C. Nosyappu.
		Moderate;	Obihiro, Hakodate, Midusawa, C. Otiisi.
		Slight;	Miyako, Muroran, C. Erimo, Mito.

The epicentre of this earthquake is about 70 km. to the South of the Cape Erimo. Some of the seismometrical data reported from the meteorological stations are as follows:—

Station	Time of occurrence			Duration of PS		First motion	Max. Amp. μ
	h	m	s	m	s		
Obihiro	13	18	50.0		14.0	to S to E	
Nemuro		19	04.5		12.3	S	
Asahikawa			22.7		29.1		66
Kusiro			26.0				
Onahama			27.0		59.2		156
Miyako			43.0		41.0		108
Morioka			49.9		42.8	NE	550
Midusawa			56.0		51.0		550
Tôkyô		20	43.7	01	22.6		90

8. Earthquake occurred at about 16^h 04^m. on Apr. 1st, 1926.

By this earthquake a several parts of our empire are shaken and show so-

called abnormal distribution of felt area. The seismic intensities observed at the various stations are,

Intensity	}	Rather strong; Utunomiya.
		Moderate; Iida, Tôkyô, Kumagaya, Yokohama, Tyôsi, Kôhu, Morioka, Yokosuka, Onahama.
		Slight; Oosaka, Numadu, Hikone, Mera, Mito, Mt. Tukuba, Miyako, Isinomaki, Akita, Kusiro, Aidu, Hukui, Turuga.

The depth of this earthquake may be very deep and the epicentre lies at about 220 km. to the South of the cape Onmae, Siduoka Prefecture.

Some of the seismometrical data reported from the meteorological stations are as follows: —

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Hamamatu	16	04	26.0		35		246
Siomisaki			35.3		36.5		233
Tu			35.3		37.5	WSW	1100
Sumoto			39.8		39.2	WNW	90
Iida			42.6		40.3	SSW	746
Oosaka			44.5		40.0	NW	525
Numadu			45.1		41.6	WSW	1625
Toyooka			46.7		41.4	SE	435
Mera			48.4		44.9	SW	199
Nagano			52.1		46.5	SE	478
Kumagaya			55.3		47.5	S	325
Miyako	05	05.0		01	15.0	SSW	300
Yamagata			01.8	01	02.4	NE	
Midusawa			26.0	01	08.0		220
Nagoya			37.0		36.0		1630
Akita			51.0	01	07.0	NNW	550
Hakodate	06	11.0		01	24.0	NE	340
Titizima	09	50.0		01	23.0		

9. Earthquake occurred at about 19^h 33^m, on Apr. 6th, 1926.

The southern part of Hokkaidô and the pacific coast of Oou were shaken by

this earthquake. The epicentre is at about 120 km to the South of cape Erimo and some of the seismometrical data reported from the meteorological stations are as follows: —

Station	Time of occurrence			Duration of PS	First motion	Max. Amp.
	h	m	s			
Onahama	19	33	02.0	56.0		116 ^μ
Kusiro			07.0	5.3		1020
Sapporo			08.0	26.8		1394
Miyako			10.0	20.0		192
Morioka			15.1	30.4	NE	30
Hakodate			26.0	44.0	ENE	1600
Isinomaki			30.4	36.4		200
Nemuro			36.1	33.8		370
Ootomari			46.0	36.0		220

10. Earthquake occurred at about 19^h 45^m, on May 26, 1926.

The whole island of Hokkaidô and some parts of Karahuto Saghalien, Oou and Kwantô districts are shaken by this shock. The felt area exceeds 1,255,000 square kilometers and the seismic intensity observed at various stations are

Seismic Intensity	Rather strong	Muroran, Hakodate, C. Erimo, C. Siriya.
	Moderate	Miyako, Obihiro, Kusiro, Morioka, Midusawa, Sapporo,
	Slight	Isinomaki, Akita, Utunomiya, Nemuro, Sikka.

The epicentre of this earthquake lies at about 100 km to the S of the cape Erimo. Some of the seismometrical data reported from the meteorological stations are as follows:-

Station	Time of occurrence			Duration of PS	First motion	Max. Amp.
	h	m	s			
Muroran	19	45	13.0	17.0	NNE	
Miyako			23.0	17.0	WSW	421 ^μ
Obihiro			26.0	20.0	SE	
Hakodate			30.5	21.0	E	5910
Kusiro			31.0	25.0	SW	772
Morioka			38.2	18.7	N25°E	
Midusawa			40.0	27.0		1200
Isinomaki			42.5	32.0		275

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Sapporo			54.4		24.0	SE	μ
Akita	46		00.0		45.0	NE	1080
Utunomiya			07.2	01	04.2		298
Mito			21.0	01	10.3		250
Niigata			23.0		45.1	S	952
Kumagaya			24.2	01	10.2		2300
Tyôsi			25.8	01	22.0	SE	
Takada			26.3	01	08.7		118

11. Earthquake occurred at about 9^h 10^m on June 5th, 1926.

By this earthquake, a great part of Kyûsyû and western part of Sikoku and Tyûgoku were shaken. In some districts of south-eastern Kyûsyû, it was felt very strongly. The epicentre of this earthquake is placed in Hyûganada, about 100 km to the NE of Miyazaki.

Some seismometrical data reported from the meteorological station are as follows:-

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Matuyama	9	10	07.4		31.6	SW	
Nagasaki			11.0		25.0	NNW	807
Miyazaki			11.4		22.0	ENE	1940
Kumamoto			16.4		25.0	NNE	
Hukuoka			18.7		30.0	NNE	
Tadotu			19.0		46.0		141
Ooita			21.5		31.5		80
Huzan			26.0				95
Kyôto			36.4	01	06.0	NE	
Sumoto			56.1		56.8	NE	

12. Earthquake occurred at about 14^h 26^m on June 29th, 1926.

This earthquake shook the Okinawa Islands strongly and at the city of Naha, many stone-walls were cracked or broken down. It was felt moderately even at Naze about 400 km, apart from the epicentre which situated at about 160 km SE to the city of Naha.

Some seismometrical data reported from the meteorological stations are as follows:-

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Naze	14	27	09.0		25.3		
Kagosima		28	26.0	01	15.0		840
Nagasaki			32.0	01	09.0		303
Taihoku			32.0		56.4	N56°W	
Ooita			42.3	01	41.3	NE	760
Hukuoka			47.7	01	19.4		375
Huzan			55.0	01	32.0		560
Oosaka		29	25.4	02	42.0		875
Hamada			41.0	01	37.0		

13. Earthquake occurred at about 18^h 55^m, on July 26th, 1926.

This earthquake originated at the central part of Kinki district. It was felt not only in a whole district of kinki but in some places of San-in, Kyûsyû, Kwantô, Oou and Hokkaidô and show so-called abnormal distribution of felt area. Moreover, the duration of preliminary tremor observed even at the stations near the epicentre are comparatively long. From these facts it may be said that the origin lies in a tolerably greater depth.

Seismic intensity observed at the various stations are

Seismic Intensity	}	Moderate	Sumoto, Onahama, Ooita
		Slight	Tu, Hikone, Siomisaki, Kyôto, Mt. Unzen Okayama, Yokohama, Tukubasan, Miyako Sakai, Kusiro, Utunomiya, Tôkyô, Wakayama, Turuga, C. Kengasaki.

Some of the seismometrical data reported from the meteorological stations are as follows:-

Station	Time of occurrence			Duration of PS.		First motion	Max. Amp.
	h	m	s	m	s		
Titizima	3	53	22.1	01	45.8		42
Tu		55	24.4		36.4	WNW	160
Hikone			30.7		34.8	WNW	688
Matuyama			31.8		46.7	ENE	
Siomisaki			36.0		37.5	NNE	550
Kyôto			36.0		35.1	NE	538
Oosaka			57.8		37.0	NE	1550
Yagi			45.0		37.3	NE	1050

Station	Time of occurrence			Duration of PS.		First motion	Max. Amp.
	h	m	s	m	s		
Nagano			46.1		47.0	toW	163
Husiki			46.1		38.3	N55°W	1125
Numadu			51.6		47.1	SE	1025
Yokohama			54.9		46.5		1400
Kakioka			57.2		52.0		143

14. Earthquake occurred at about 9^h 20 , on Aug. 3rd, 1926.

The city of Tôkyô was shaken strongly on Aug. 3rd at about the dinner time. It was felt, by this earthquake, at the greater part of our main island and the seismic intensity observed at the stations are

Seismic Intensity	Very strong	Tôkyô.
	Strong	Yokohama, Yokosuka, Kohu, Mera, Onahama.
	Rather strong	Kakioka, Asio.
	Moderate	Kumagaya, Numadu, Tyôsi Mito, Mt. Tukuba, Utunomiya, Iida, Nagoya.
	Slight	Hatizyô I. Maebasi, Nagano, Hukui, Takayama, Niigata, Gihu, Hikone, Nagaturo.

From the study of direction of initial motion, it is found that this earthquake occurs along a fault line running from the off of Haneda to Kisaradu acrossing transversally the bay of Tôkyô. The depth of focus determined from P and \bar{P} hodograph is about 40 km.

Some of the seismometrical data reported from the meteorological station are as follows:-

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s	m	s		
Yokohama	9	26	21.5		6.0	SSE	
Tôkyô			23.9		5.9	SSW	17500
Kohu			26.0		18.0	E	1625
Mera			26.6			SSW	
Kakioka			28.3		11.5	NE	
Kumagaya			30.4		12.1	NNW	15000
Maebasi			30.8		21.4	NW	
Numadu			31.0		12.9	NNE	1650
Tyôsi			31.9		12.6	NNW	171

Onahama		37.0	17.3	SSE	1600
Iida		41.3	18.3		1670
Nagano		41.7	24.5	NW	
Niigata		50.5	44.8	NE	1967
Nagoya		51.0	33.2	NE	1150
Kyōto	27	03.5	50.2	ENE	188
Siomisaki		04.2	52.5	NE	42
Isinomaki		06.2	35.6		324
Oosaka		07.3		WSW	864
Kōbe		13.0	56.6		338

15. Earthquake occurred at about 15^h 37^m, on Sept. 15th. 1926

This disturbance shook the whole island of Hokkaido and Oou besides a part of Karahuto and Kwantō. Felt area was so wide that it exceeds more than 753 000 sq. km. The seismic intensity observed at various stations are

Seismic Intensity	{	Strong	Kusiro, Nemuro, C. Nosyappu.
		Rather strong	Sapporo, Hokodate, C. Erimo, C. Otiisi.
		Moderate	Obihiro, Asahikawa, Onahama, Miyako, Muroran, Morioka, C. Siokubi, C. Esan.
		Slight	Isinomaki, Akita, Mito, Mt. Tukuba, Utunomiya, Asio, Sikka.

The epicentre of this earthquake is about 61 km to the East of C. Erimo and a little damages on timnies, stone-walls and etc. are found in some places in Hokkaidō. Some of the seismometrical data reported from the meteorological stations are as follows:-

Station	Time of occurrence			Duration of PS	First motion	Max. Amp.
	h	m	s			
Sapporo	0	36	39.0	24.0	WNW	
Obihiro		37	15.0			
Kusiro			24.0		SW	
Asahikawa			29.0	14.0	NW	1175
Nemuro			36.4	16.1	ENE	
Miyako			45.0	32.0	SSW	
Muroran			46.0	25.0	E	
Hakodate			46.5	29.5		7850
Morioka			56.6	36.4	N25°E	

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s		s		
Ootomari		38	03.0				1068
Isinomaki			11.5		46.2	toN toE SW	300
Akita			34.0		52.0		
Mito			35.0	01	07.0		410
Kakioka			41.8	01	12.2		
Tyôsi			47.8	01	15.5		153
Kumagaya			48.5	01	16.0		237

16. Earthquake occurred at about 0^h 29^m, on Oct. 19th, 1926.

By this disturbance, the pacific coastal region of Hokkaidô and northeastern part of our main island are shaken. The seismic intensity observed at the stations are

Seismic Intensity	}	Rather strong	Obihiro, C. Esan.
		Moderate	Muroran, Nemuro, Hakodate, Midusawa.
		Silght	Sapporo, Kusiro, Asahikawa, Miyako, Isinomaki, Mito.

The epicentre of this earthquake is about 100 km to the SE of C. Erimo. Some of the seismometrical data reported from the seismometrical stations are as follows:-

Station	Time of occurrence			Duration of PS		First motion	Max. Amp.
	h	m	s		s		
Muroran	0	29	13.0		18.3	ENE	1230
Obihiro			45.0			NNE	
Sapporo		30	03.8		21.5	NW	812
Nemuro			24.3		16.0	SSE	
Asahikawa			26.0		20.0		760
Hakobate			29.5		21.5	ENE	2270
Miyako			35.0		28.0		
Sendai			55.9		43.4	S	203
Kakioka		31	24.7	01	16.8		597

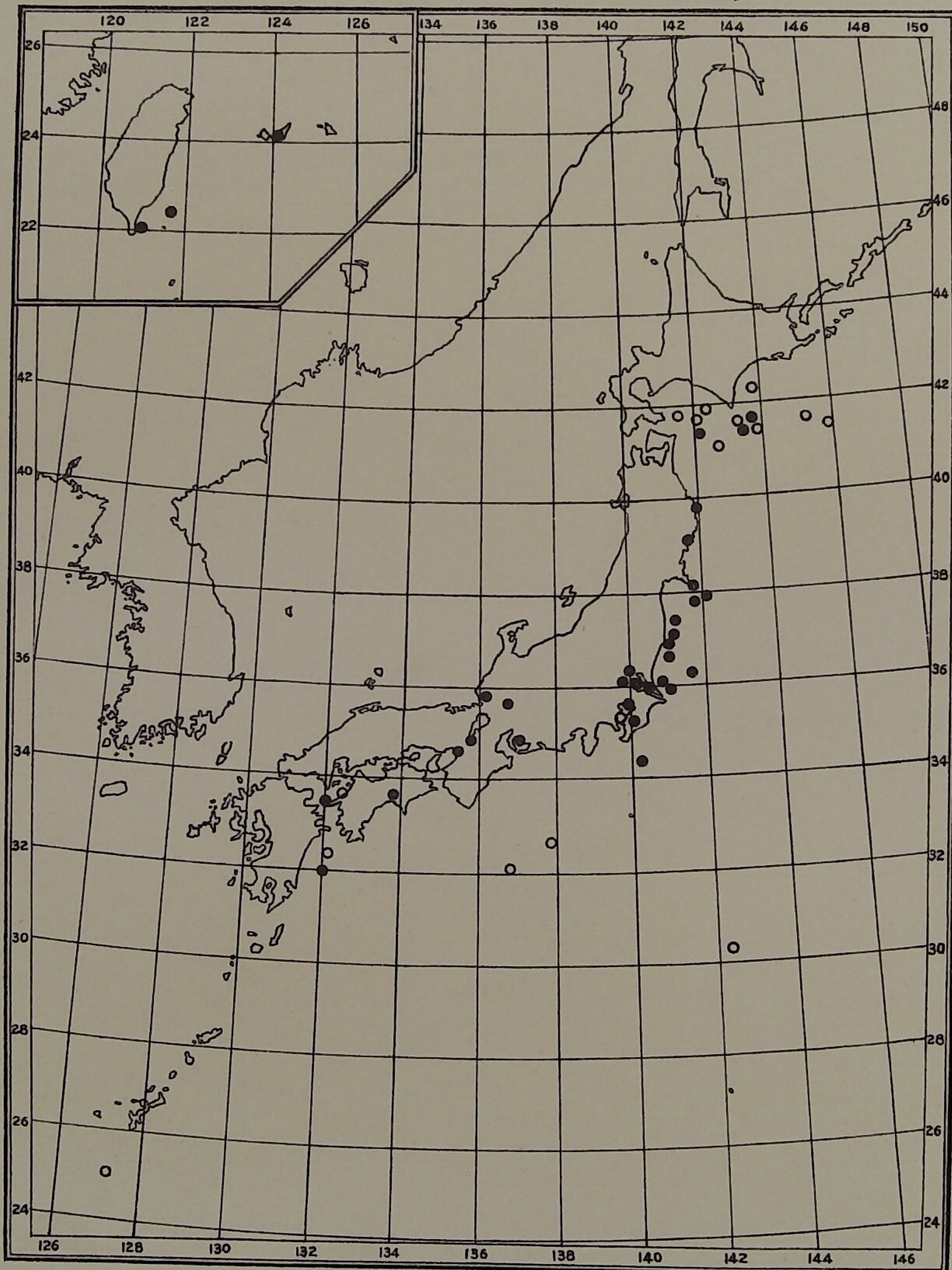
List of Volcanic Activities of Japan in the Year 1926.

Name of Volcanoes	Date Day Time (G.M.T.)	Remarks
Yake-dake $\lambda = 137^{\circ}36'$ $\varphi = 36^{\circ}14'$ $h = 2053\text{m}$	Jan 27th 7h 45m	Eruption Ashes fell over a part of Sinano. Emitted sands with a sound like thunder.
Tokati-dake $\lambda = 142^{\circ}40'$ $\varphi = 43^{\circ}23'$ $h = 2077\text{m}$	May 7th 16h—	Eruption. Emitted a small volume of ashes. Lava stones of 4 cm—8 cm fell over the neighbourhood of the crater.
	May 12th 19h—	Rumbling. The volcano rumbles violently from about 4h. Slight earthquake is felt at the neighbourhood of the mountain. 14th—Smokes are emitted all day long. 17th—On this day, rumbling is not heard but smokes are emitted violently.
	May 24th 2h—	Small eruption.
	May 24th 7h 10m	Great eruption. This eruption is not said to be very strong, but the mud like lavas melt the laiden snow, and this mud-flow rushes down to the Town of Kami-Izurano, and carry away 55 houses and 316 persons are killed. Damaged area is 4-5 square km.
	Sept. 8th 7h 25m	Eruption. The smokes are emitted as high as above 7km.
Sept 10th 6h 47m	Strong eruption.	

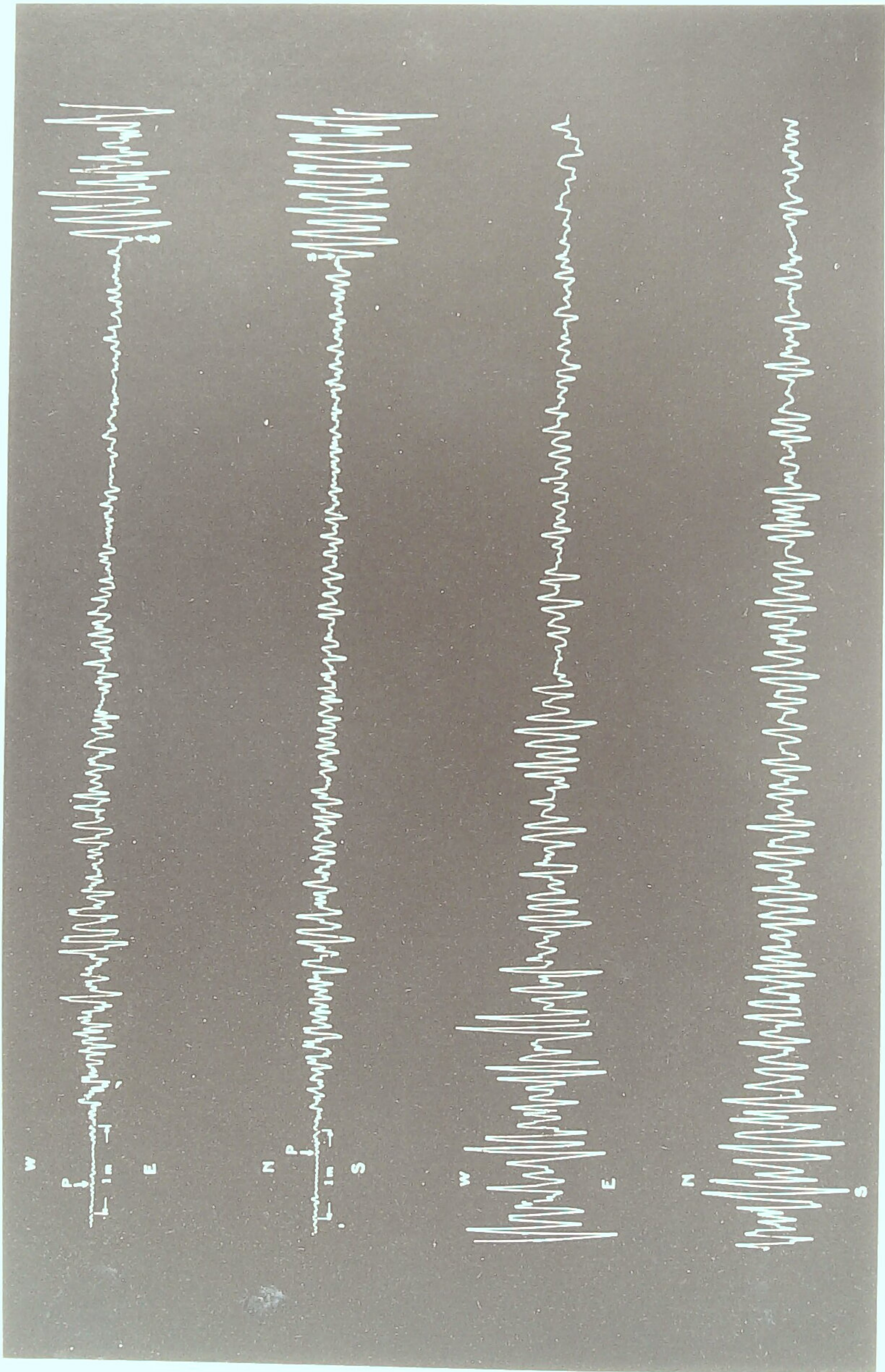
	Date Day Time (G.M.T.)	Remarks
	Sept 10th 9h 50m	The mud-flow rushes down to the foot of the mountain. On its way, this mud-flow separates in two directions, one rushes down to the village of Kami-Hurano the other to the hot-spring of Biyei. The total course of the former is about 2000 m and that of the latter is about 600 m. Ashes fall over the eastern part of Hokkaido. Rumbings and small eruptions are observed continuously till 15th.
	Dec. 10th	Small eruption. A small quantity of mud flow rushes to Arai-zawa.
	Dec. 16th 20h—	Emitted smoke during 20h on 16th and 0h on 17th
	Dec. 24th 23h—	Emitted smoke. smokes rise as high as about 500m.

Name of Volcanoes	Date Day Time (G.M.T.)	Remarks
Taumae-yama. $\lambda = 141^{\circ}23'$ $\varphi = 42^{\circ}42'$ $h = 1023\text{m}$	Oct. 19th	Eruption. The smoke rises up to about 2000m high, and ashes fall to the thickness of about 2 mm over the villages of Syadai and Sira-oi.
	Oct. 23rd 18h 40m	Eruption. Ashes fall only over a neighbourhood of crater.
	Oct. 29th 21h 25m	Eruption. The sound is heard far to Sapporo and ashes fall over Titose Aibetu, Kawakami and Naganum .

DISTRIBUTION OF EPICENTRES OF REMARKABLE AND
MODERATE EARTHQUAKES IN THE YEAR 1926



- Epicentre of Remarkable Earthquakes
- Epicentre of Moderate Earthquakes



昭和三年六月五日印刷
昭和三年六月十日發行

編輯兼發行者
中央氣象臺

印刷者
岩橋萬喜太

東京市芝區愛宕下町三丁目三番地

印刷所
聯合印刷所

東京市芝區愛宕下町三丁目三番地