

地震季報

第四卷 第一號

中華民國四十六年一、二、三月



THE SEISMOLOGICAL BULLETIN

OF

TAIWAN WEATHER BUREAU

January-March, 1957

VOL. IV, No. 1

臺灣省氣象所

Published by Department of Seismology,
TAIWAN WEATHER BUREAU.
No. 64, Kung Yuan Road, Taipei, Taiwan
China.

Specification of instruments:-

Mass of the the pendulum	M (kg)	Coefficient of friction	$\frac{r}{T_0^2}$ (mm/sec ²)
Magnification	V.	Proper period of the pendulum	T (sec.)
Damping coefficient	ϵ .		

The Constants of Seismographs at Taipei for the Month of January are as follows, and those constants at the other Stations are nearly the same.

Seismographs	Component	M.	V.	ϵ .	$\frac{r}{T_0^2}$	T_0
W(H) : Wiechert's horizontal seismograph	E-W	200	77	9	0.004	5.1
	N-S	200	78	9	0.005	5.1
W(V) : Wiechert's Vertical seismograph	U-D	80	75	8	0.003	5.1
P ₁ : Portable seismograph (1)	E-W	18	40	8	0.005	5.1
	N-S	18	40	8	0.005	5.1
O : Omori's horizontal seismograph	E-W	15	20	3	0.002	15.7
	N-S	15	20	3	0.003	15.1
S ₂ : Strong motion seismograph	E-W	2	2	4	0.004	3.8
	N-S	2	2	4	0.004	3.8
	U-D	1.5	2	8	0.004	3.5
P ₂ : Portable seismograph (2)	E-W	10	20	2	0.015	4.0
	N-S	10	20	2	0.026	4.0
	U-D	7.5	20	2	0.018	4.0
A : Acceleration Seismograph	E-W	15	220	10	0.5	0.10
	N-S	15	220	10	0.9	0.10
	U-D	15	170	10	0.9	0.08

The present publication inserts the following explanation of the notations only in the first number hereafter.

1. Phase.

P : Normal first phase (Longitudinal waves)

pP, PP, PPP, : Longitudinal waves reflected at the earth's surface.

S : Normal second phase (transverse waves).

sS, SS, SSS : Transverse waves reflected at the earth's surface.

PS, PPS, : Waves suffered a change or changes from longitudinal to transverse oscillation, on reflection at the earth's surface.

SP, SPP, : Waves suffered a change or changes from transverse to longitudinal oscillation, on reflection at the earth's surface.

L : Long waves at the beginning of the surface waves.

Q : Shorter and more regular waves in the surface waves.

M : Largest motion in the surface waves.

C : Tail or end portion.

F : End of the discernible movement.

Δ : Epicentral distance.

ΔH : Focal distance

H : Depth of focus.

μ : Micron.

P-S : Duration of Preliminary tremor.

2. Nature of the motion.

i : Sudden commencement of a phase.

e : Gradual or indistinct commencement of a phase.

? : Questionable or uncertain.

3. Period and Initial motion.

T : Period, duration of one complete oscillation.

I : Amplitude of the true displacement of the ground from the position at rest.

I_N : N-S component of I.

I : E-W component of I.

I_Z : Vertical component of I.

Displacement to the north, east and upward are regarded as positive.

4. Scales of seismic intensity.

The intensity of the shock is estimated according to the scales O-VI, as follows:

O, No feeling: Shocks too weak to cause human feelings, registered only by seismographs.

I, Slight: Extremely feeble shocks only felt by persons at rest or by those who are observant to an earthquake.

II, Weak: Shocks felt by most persons, slight shaking of doors and latticed sliding doors.

III, Rather strong: Slight shaking of houses and buildings, rattling, of doors and latticed sliding doors, swinging of hanging objects like the electric lamps, moving of liquids in vessels.

IV, Strong: Strong shaking of houses and buildings, overturning of unstable objects, spilling of liquids out vessels.

V, Very Strong: Cracks in the walls, overturning of gravestones, etc., lanterns etc., damaging of chimneys and mud-and-plaster warehouses.

VI, Disastrous: Demolition of houses, landslips, fissures on the roads, the ground etc.

	No Feeling	Slight	Weak	Rather Strong	Strong	Very Strong	Disastrous
Scale	O	I	II	III	IV	V	VI
Acceleration (gal)	0.25-0.8	0.8-2.5	2.5-8	8-25	25-80	80-250	250<

5. The magnitude of an earthquake is classified according to the radius of the felt-area assumed, roughly to be a circle as follows:-

(r) Remarkable earthquake: The radius of the felt area is greater than 300 km.

(m) Moderate earthquake: The radius is smaller than 300 km. but greater than 200 km.

(s) Earthquake of small felt area: The radius is smaller than 200 km. but greater than 100 km.

(l) Local earthquake: The radius is smaller than 100 km.

- (d) Distant earthquake: The epicentral distance is greater than 300 km. from the coast of Taiwan.
6. The depth of hypocenter is as a rule expressed in terms of kilometers. If it is not determined so definitely, the following scale will be adopted.
- | | | | | |
|-------|--------------|------------|-------------|----------|
| Class | Very shallow | Shallow | Rather deep | Deep |
| Depth | 3~30 km. | 30~100 km. | 100~200 km. | >200 km. |
7. Geographical coordinates:
 λ : Longitude (E) ϕ : Latitude (N)
 The coordinates are been expressed in degrees with one place of decimal
8. Time
 Time is referred to Greenwich Mean Time (G. M. T).

GENERAL ASPECT OF EARTHQUAKES.
 January to March, 1957

In January, the number of occurrence of earthquakes was amounted up to a figure of ninety-six. Seven of them were classified as felt earthquakes and the remains were unfelt ones. Among these felt earthquakes, six were classified as local earthquakes, and one occurred at Hwalien was calssified as small felt area earthquakes. Among the local earthquakes, three occurred at Hwalien, two near Taitung and one near Tainan.

Seven distant earthquakes were recorded in this month and four of them were centered at Aleutien Fox Islands, one near Southren Manchuria, and the remains two were unknown.

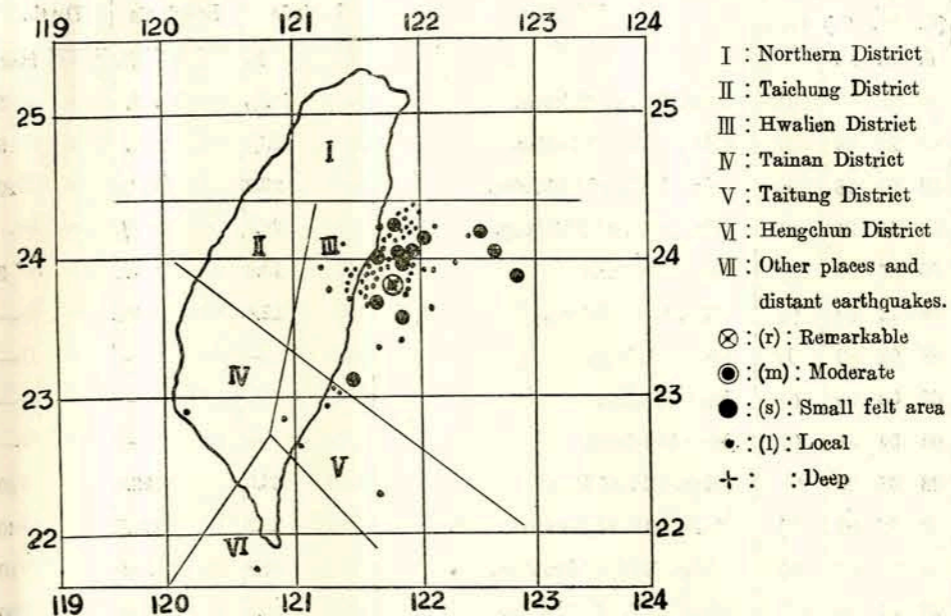
In February, three hundred seventy-four earthquakes were occurred in Taiwan, Among them forty-seven were classified as felt earthquakes, and the rest were unfelt ones. Among these felt earthquakes one was considered as a remarkable earthquake which occurred at 23.8 N. 121.8., nine were classified as small felt area earthquakes. they were all happened to be at Hwalien district. Thirty-seven earthquakes were classified as local felt shocks and they all occurred at Hwalien district too.

Seven tistant earthquakes were recorded at Taiwan, five epicenters were located near Philippines Mindanao Islands, and one was located near Kamchatka (54 N. 159 E.) and the remains unknown.

In March, two hundred and twenty-seven earthquakes were recorded seventeen of them were classified as felt earthquakes and the remains were unfelt ones. Among these felt earthquakes, two of them were classified as small area earthquakes and their epicenters were located at Hwalien. The rest were classified as local earthquakes, eleven of them were centered near Hwalien, three near Taitung and one near Hengchun.

Twenty distant earthquakes were recorded. Eighteen of their epicenters were located in Aleutian Islands, one in Sumatra, and the other one in Bards sea.

Epicenters of Felt Earthquakes in January to March, 1957



Number of earthquakes classified according to its magnitudes and Districts January to March, 1957

Districts	Classification Magnitudes	Number of felt earthquakes				Number of unfelt earthquakes	Total
		Remarkable	Moderate	Small felt area	Local		
Northern District		—	—	—	—	33	33
Taichung "		—	—	—	—	11	11
Hwalien "		1	—	12	50	63	445
Tainan "		—	—	—	1	1	14
Taitung "		—	—	—	6	6	142
Hengchun "		—	—	—	1	1	12
Other places "		—	—	—	—	34	34
Total		1	0	12	58	71	697

Felt earthquakes in the mouth of January to March, 1957.

No.	Month	P. M. T.)			Magni- tude	Epicenter	Latitude		Longitude	Depth. kms.
		G.	M.	T.)			N.	E.		
		d.	h.	m.						
1	Jan.	03	02	03	(1)	20km. SW. of Taitung.	22.1/2	121.	5	
2	"	03	23	44	(1)	65km. NE. of Hwalien.	22.1/2	124.	5	
3	"	08	22	18	(s)	18km. ENE. of Hsinkong.	23.2	121.1/2	20	
4	"	14	13	21	(1)	30km SSW. of Hsinkong.	23.7	121.1/2	—	
5	"	15	20	09	(1)	Near Hwalien.	23.9	121.6	5	
6	"	16	14	02	(1)	15km. S. of Tainan.	22.8	120.2	—	
7	"	27	04	43	(1)	Near Hsinkong.	—	—	—	
8	Feb.	01	03	55	(1)	Near Hwalien.	—	—	—	
9	"	03	02	48	(1)	Near Hsinkong.	—	—	—	
10	"	08	05	39	(1)	94km. SE. of Ilan.	24.3	122.4	40	
11	"	18	07	20	(s)	36km. SSE. of Hwalien.	23.7	121.7	40	
12	"	23	11	06	(s)	135km. ESE. of Hwalien.	23.8	122.9	10	
13	"	23	20	26	()	28km. ESE. of Hwalien.	23.8	121.8	30	
14	"	23	20	57	(1)	ditto, after shock.	—	—	—	
15	"	23	21	13	(1)	44km. NE. of Hwalien.	—	—	—	
16	"	23	21	20	(1)	33km. NEE. of Hwalien.	—	—	20	
17	"	23	22	57	(1)	44km. E. of Hwalien.	—	—	40	
18	"	23	23	42	(1)	45km. E. of Hwalien.	—	—	10	
19	"	23	23	56	(1)	65km. NE. of Hsinkong.	—	—	20	
20	"	24	00	56	(1)	Near Hwalien.	—	—	40	
21	"	24	01	59	(1)	37km. NE. of Hwalien.	—	—	20	
22	"	24	03	18	(1)	12km. E. of Hwalien.	—	—	20	
23	"	24	03	50	(1)	30km. E. of Hwalien.	—	—	20	
24	"	24	05	47	(1)	53km. ENE. of Hwalien.	—	—	20	
25	"	24	06	12	(1)	35km. ENE. of Hwalien.	—	—	40	
26	"	24	05	48	(1)	35km. ENE. of Hwalien.	—	—	40	
27	"	24	06	36	(1)	36km. E. of Hwalien.	—	—	40	
28	"	24	06	47	(1)	18km. ESE. of Hwalien.	—	—	40	
29	"	24	07	08	(1)	43km. ENE. of Hwalien.	—	—	40	
30	"	24	11	47	(1)	34km. ESE. of Hwalien.	—	—	20	
31	"	24	14	10	(1)	Near Hwalien.	—	—	—	
32	"	24	14	13	(1)	16km. SE. of Hwalien.	—	—	40	
33	"	24	15	45	(1)	38km. ESE. of Hwalien.	—	—	20	

No.	Month	P. M. T.)			Magui- tude	Epicenter	Latitude		Longitude	Depth. kms
		G.	M.	T.)			N.	E.		
		d.	h.	m.						
34	Feb.	24	17	25	(s)	23km. E. of Hwalien.	23.9	121.7	40	
35	"	24	17	36	(1)	15km. NE. of Hwalien.	—	—	20	
36	"	24	18	03	(1)	26km. ENE. of Hwalien.	—	—	30	
37	"	24	18	04	(1)	Near Hwalien.	—	—	—	
38	"	24	19	38	(1)	35km. ENE. of Hwalien.	—	—	40	
39	"	24	20	49	(s)	Near Hwalien.	—	—	—	
40	"	24	21	04	(1)	40km. NE. of Hwalien.	—	—	20	
41	"	24	21	48	(s)	25km. ENE. of Hwalien.	24.0	121.8	40	
42	"	24	23	14	(1)	23k. ENE. of Hwalien.	—	—	40	
43	"	25	00	34	(1)	30km. E. of Hwalien.	—	—	20	
44	"	25	02	13	(1)	Near Hwalien.	—	—	—	
45	"	25	02	23	(1)	20km. E. of Hwalien.	—	—	20	
46	"	25	15	00	(s)	14km. ENE. of Hwalien.	24.0	121.7	20	
47	"	25	15	06	(1)	27km. ENE. of Hwalien.	—	—	20	
48	"	25	17	38	(1)	Near Hwalien.	—	—	—	
49	"	26	07	02	(1)	28km. ENE. of Hwalien.	—	—	40	
50	"	26	23	48	(s)	46km. ENE. of Hwalien.	24.1	122.1	40	
51	"	27	13	00	(1)	Near Hwalien.	—	—	—	
52	"	27	15	02	(s)	24km. ENE. of Hwalien.	24.0	121.8	20	
53	"	27	16	50	(1)	34km. NNE. of Hwalien.	—	—	20	
54	"	27	18	25	(1)	35km. ENE. of Hwalien.	—	—	20	
55	Mar.	01	17	58	(1)	Near Hwalien.	—	—	—	
56	"	03	10	06	(1)	70km. E. of Tawu.	22.3	121.1/2	—	
57	"	03	10	26	(1)	30km. NW. of Hwalien.	24.1	121.3	0	
58	"	04	01	52	(1)	30km. SSE. of Hengchun	21.8	120.0	—	
59	"	04	11	47	(1)	10km. SW. of Hwalien.	23.9	121.1/2	10	
60	"	07	19	28	(1)	60km. SE. of Hwalien.	—	—	—	
61	"	07	23	57	(1)	30km. SE. of Hwalien.	—	—	—	
62	"	09	13	08	(1)	45km. NE. of Hsinkong.	—	—	—	
63	"	10	03	10	(1)	Near Hwalien.	24.1	121.7	—	
64	"	12	03	29	(1)	30km. WSW. of Hwalien.	23.9	121.4	—	
65	"	14	04	24	(1)	20km. SW. of Hwalien.	23.9	121.4	—	
66	"	15	02	58	(s)	100km. E. of Hwalien.	24.0	122.5	0	
67	"	16	23	03	(1)	25km. SW. of Hwalien.	25.0	121.3	—	

No.	Month	P. M. T.)			Magnitude	Epicenter	Latitude		Longitude	Depth, kms.
		(G.	d.	h.			m.	N.		
68	Mar.	25	09	16	(l)	30km. SW. of Hwalien.	23.7	121.1/2	—	
69	"	26	17	38	(l)	20km. W. of Taitung.	22.7	121.0	0	
70	"	27	03	10	(l)	Near Hsinkong.	—	—	—	
71	"	31	13	05	(s)	30km. NE. of Hwalien.	24.1	121.8	0	

Unfelt Earthquakes in the month of January to March, 1957.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		(G.	d.	h.				m.	(G.	d.	
1	Jan.	01	09	19	Near Hsinkong.	26	Jan.	06	03	16	Near Ilan.
2	"	01	14	46	Northern District.	27	"	06	17	51	Near Hsinkong.
3	"	01	22	48	"	28	"	06	22	46	Northern District.
4	"	01	23	17	Near Hwalien.	29	"	07	03	33	Hwalien District.
5	"	02	02	27	Fox Is, Aleutian Is.	30	"	07	04	28	Near Hwalien.
6	"	02	03	59	"	31	"	07	06	55	Near Alishan.
7	"	02	03	59	"	32	"	07	12	07	Hengchun District.
8	"	02	04	13	"	33	"	07	22	36	Near Hsinkong.
9	"	02	16	28	Near Hsinkong.	34	"	08	08	54	50km. NE. of Hwalien.
10	"	03	07	02	60km. NE. of Ilan.	35	"	08	10	14	Near Alishan.
11	"	03	08	34	Near Hsinkong.	36	"	10	04	25	Northern Sumatra.
12	"	03	12	52	Southern Manchuria.	37	"	10	07	16	Near Hsinkong.
13	"	03	18	37	20km. NE. of Ilan.	38	"	10	13	11	"
14	"	04	00	39	Hwalien District.	39	"	10	18	03	Hwalien District.
15	"	04	04	05	Near Hsinkong.	40	"	10	19	06	Northern District.
16	"	04	04	09	"	41	"	11	03	33	Near Alishan.
17	"	04	05	08	Near Hwalien.	42	"	11	06	19	Near Hwalien.
18	"	04	05	44	Near Hsinkong.	43	"	11	07	16	Near Taipei.
19	"	04	06	22	"	44	"	11	08	19	Near Alishan.
20	"	05	02	17	"	45	"	11	23	33	Rugkuy Is.
21	"	05	06	30	100km. SSE. of Taitung.	46	"	11	04	22	Hwalien District.
22	"	05	07	32	73km. NE. of Taipei.	47	"	12	11	34	Near Tainan.
23	"	05	16	47	Near Hwalien.	48	"	13	01	43	28km. SE. of Hsinehu.
24	"	05	18	30	Near Hsinkong.	49	"	13	02	27	"
25	"	06	01	39	Hwalien District.	50	"	13	05	40	Near Hsinkong.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		(G.	d.	h.				m.	(G.	d.	
51	Jan.	13	08	51	Near Hsinkong.	85	Jan.	29	08	39	Near Hwalien.
52	"	14	18	54	Near Hwalien.	86	"	29	15	41	Near Alishan.
53	"	14	23	21	Near Hsinkong.	87	"	29	15	54	Near Hsinkong.
54	"	15	14	56	Near Hwalien.	88	"	29	17	30	Near Taitung.
55	"	16	04	42	Near Hsinkong.	89	"	31	05	05	Near Hwalien.
56	"	17	00	32	Near Hwalien.	90	"	31	15	55	"
57	"	17	16	22	Hengchun District.	91	Feb.	01	12	59	"
58	"	18	06	40	Near Taitung.	92	"	02	15	12	Near Hsinkong.
59	"	18	12	48	Hwalien District.	93	"	03	01	28	Hwalien District.
60	"	18	15	10	Near Hsinkong.	94	"	03	17	37	Kamchatka.
61	"	19	06	51	Near Hwalien.	95	"	03	23	28	Northern District.
62	"	19	16	30	Near Hsinkong.	96	"	04	10	18	"
63	"	19	21	26	"	97	"	04	12	30	Near Hsinkong.
64	"	20	09	51	"	98	"	05	05	47	"
65	"	20	14	27	"	99	"	05	17	23	Hwalien District.
66	"	21	00	57	"	100	"	06	11	29	Near Hsinkong.
67	"	21	17	06	"	101	"	06	05	21	Hwalien District.
68	"	22	04	16	"	102	"	06	08	54	Near Alishan.
69	"	22	05	22	Near Taitung.	103	"	06	20	49	Northern District. (d)
70	"	22	05	25	Near Hsinkong.	104	"	07	01	36	Near Hsinkong.
71	"	22	06	10	"	105	"	07	15	12	Taitung District.
72	"	24	01	18	Hwalien District.	106	"	07	18	53	"
73	"	24	01	18	Near New Guinea.	107	"	08	08	39	95km. NE. of Hwalien.
74	"	25	03	46	Near Hsinkong.	108	"	09	04	17	Near Hwalien.
75	"	25	11	26	Near Hwalien.	109	"	09	13	59	Near Hsinkong.
76	"	26	05	14	Near Hsinkong.	110	"	09	22	45	Hwalien District.
77	"	27	07	15	"	111	"	10	22	35	Mindanao Philippines (foreshock)
78	"	27	13	45	"	112	"	10	22	53	"
79	"	27	16	51	Near Jaipai.	113	"	11	01	18	Mindanao Philippines (aftershock)
80	"	27	23	44	Northern District.	114	"	11	14	29	"
81	"	28	01	49	Near Hsinkong.	115	"	12	04	59	Near Hsinkong.
82	"	28	04	12	Near Hwalien.	116	"	12	13	47	135km. ENE. of Hwalien.
83	"	28	15	22	Tainan District.	117	"	13	00	33	Mindanao.
84	"	28	22	04	Northern District.	118	"	13	03	47	Taitung District.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
119	Feb,	13	23	02	Taitung District.	154	Feb,	23	06	53	Near Hsinkong.
120	"	14	02	30	Hwalien Distriet.	155	"	23	06	50	"
121	"	14	04	36	"	156	"	23	07	09	"
123	"	14	18	36	"	157	"	23	08	56	Hwalien District.
124	"	14	22	14	Near Hsinkong.	158	"	23	15	38	135km. ESE. of Hwalien.
125	"	14	23	01	86km. SSE. of Hengchun.	159	"	23	20	49	28km. ESE. of (aftershock.)
126	"	14	23	06	"	160	"	23	20	51	Near Hwalien. (aftershock)
127	"	16	06	52	Hwalien District.	161	"	23	20	53	"
128	"	16	10	03	40km. ESE. of Hengchun.	162	"	23	20	55	"
129	"	16	10	56	Near Hsinkong.	163	"	23	20	56	"
130	"	16	11	14	Near Taitung.	164	"	23	20	58	"
131	"	17	10	02	65km. E. of Hwalien.	165	"	23	21	02	"
132	"	17	11	12	Near Hsinkong.	166	"	23	21	03	"
133	"	17	15	18	Near Taitung.	167	"	23	21	05	"
134	"	17	15	36	Hwalien District.	168	"	23	21	06	"
135	"	17	15	58	90km. SE. of Hwalien.	169	"	23	21	07	"
136	"	17	17	48	"	170	"	23	21	09	"
137	"	17	19	37	Hengchun District.	171	"	23	21	12	"
138	"	18	01	32	Northern District.	172	"	23	21	15	"
139	"	18	01	33	Near Hsinkong.	173	"	23	21	18	"
140	"	18	07	02	"	174	"	23	21	21	"
141	"	18	10	45	Hwalien District.	175	"	23	21	25	"
142	"	18	15	42	Northern District.	176	"	23	21	26	"
143	"	18	20	29	56km. SE. of Hwalien.	177	"	23	21	28	"
144	"	18	21	30	Near Alishan.	178	"	23	21	31	"
145	"	19	02	52	Near Hsinkong.	179	"	23	21	34	"
146	"	19	05	30	Hengchun District.	180	"	23	21	39	"
147	"	20	20	35	Near Hsinkong.	181	"	23	21	40	"
148	"	20	21	05	Hwalien District.	182	"	23	21	41	"
149	"	21	03	16	Near Hsinkong.	183	"	23	21	42	"
150	"	21	04	15	"	184	"	23	21	47	"
151	"	22	00	41	"	185	"	23	21	49	"
152	"	22	18	48	"	186	"	23	21	50	"
153	"	23	03	04	"	187	"	23	21	51	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
188	Feb,	23	21	52	Near Hwalien. (Aftershock)	222	Feb,	23	23	38	Near Hwalien. (Aftershock)
189	"	23	21	54	"	223	"	23	23	46	"
190	"	23	21	55	"	224	"	23	23	48	"
191	"	23	21	57	"	225	"	23	23	49	"
192	"	23	22	00	"	226	"	23	23	50	"
193	"	23	22	02	"	227	"	23	23	52	"
194	"	23	22	04	"	228	"	24	00	04	"
195	"	23	22	05	"	229	"	24	00	05	"
196	"	23	22	08	"	230	"	24	00	12	"
197	"	23	22	09	"	231	"	24	00	13	"
198	"	23	22	10	"	232	"	24	00	17	"
199	"	23	22	11	"	233	"	24	00	20	Near Hsinkong.
200	"	23	22	12	"	234	"	24	00	21	Near Hwalien.
201	"	23	22	14	"	235	"	24	00	46	Near Hsinkong.
202	"	23	22	15	"	236	"	24	00	48	Near Hwalien.
203	"	23	22	17	"	237	"	24	00	50	"
204	"	23	22	18	"	238	"	24	00	55	"
205	"	23	22	20	"	239	"	24	01	05	"
206	"	23	22	34	"	240	"	24	01	06	"
207	"	23	22	41	"	241	"	24	01	07	"
208	"	23	22	50	"	242	"	24	01	18	"
209	"	23	22	56	"	243	"	24	02	21	"
210	"	23	23	00	"	244	"	24	01	27	"
211	"	23	23	01	"	245	"	24	01	29	"
212	"	23	23	17	"	246	"	24	01	30	"
213	"	23	23	19	"	247	"	24	01	32	"
214	"	23	23	20	"	248	"	24	01	38	"
215	"	23	23	21	"	249	"	24	01	40	"
216	"	23	23	23	"	250	"	24	01	44	"
217	"	23	23	24	"	251	"	24	01	47	"
218	"	23	23	28	"	252	"	24	02	25	"
219	"	23	23	29	"	253	"	24	02	27	"
220	"	23	23	33	"	254	"	24	02	33	"
221	"	32	23	36	"	255	"	24	02	38	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
256	Feb.	24	02	46	Near Hwalien.	290	Feb.	24	10	52	Near Hwalien.
257	"	24	02	47	"	291	"	24	10	53	"
258	"	24	02	48	"	292	"	24	10	58	"
259	"	24	02	49	"	293	"	24	10	59	"
260	"	24	03	11	"	294	"	24	11	24	"
261	"	24	03	39	"	295	"	24	11	32	"
262	"	24	03	43	"	296	"	24	11	47	"
263	"	24	03	46	"	297	"	24	11	55	"
264	"	24	04	05	"	298	"	24	12	17	"
265	"	24	04	38	"	299	"	24	12	22	"
266	"	24	05	06	"	300	"	24	12	26	"
267	"	24	05	14	"	301	"	24	12	31	"
268	"	24	05	20	"	302	"	24	12	32	"
269	"	24	05	48	"	303	"	24	12	51	"
270	"	24	06	25	"	304	"	24	13	09	"
271	"	24	06	26	"	305	"	24	13	39	"
272	"	24	06	28	Near Hsinkong.	306	"	24	14	01	Near Hsinkong.
273	"	24	06	50	Near Hwalien.	307	"	24	14	30	Near Hwalien.
274	"	24	07	11	"	308	"	24	14	42	"
275	"	24	07	13	"	309	"	24	15	07	"
276	"	24	07	19	"	310	"	24	15	36	"
277	"	24	07	31	"	311	"	24	15	37	"
278	"	24	07	33	"	312	"	24	16	05	"
279	"	24	07	40	"	313	"	24	16	39	Near Hsinkong.
280	"	24	07	46	"	314	"	24	17	12	Near Hwalien.
281	"	24	08	12	"	315	"	24	17	13	"
282	"	24	08	28	"	316	"	24	17	51	Northern District.
283	"	24	08	30	"	317	"	24	18	30	Near Hwalien.
284	"	24	08	34	"	318	"	24	18	34	"
285	"	24	08	35	"	319	"	24	19	00	"
286	"	24	09	01	"	320	"	24	19	46	"
287	"	24	09	13	"	321	"	24	19	53	"
288	"	24	09	39	"	322	"	24	20	00	"
289	"	24	09	48	"	323	"	24	20	21	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
324	Feb.	24	20	36	Near Hwalien.	358	Feb.	25	13	54	Near Hwalien.
325	"	24	20	54	"	359	"	25	15	15	"
326	"	24	21	13	"	360	"	25	16	01	"
327	"	24	21	16	"	361	"	25	17	37	"
328	"	24	21	31	"	362	"	25	17	41	"
329	"	24	21	38	"	363	"	25	17	58	"
330	"	24	21	42	"	364	"	25	18	01	"
331	"	24	21	47	"	365	"	25	19	13	Near Hsinkong.
332	"	24	22	03	"	366	"	25	20	35	Near Hwalien.
333	"	24	23	04	"	367	"	25	20	36	"
334	"	24	23	10	"	368	"	25	21	45	Near Hsinkong.
335	"	24	23	27	"	369	"	25	22	02	Near Hwalien.
336	"	25	00	00	"	370	"	25	22	33	"
337	"	25	00	42	"	371	"	25	23	14	Northern District.
338	"	25	00	45	"	372	"	25	23	43	Near Hwalien.
339	"	25	01	19	Near Hsinkong.	373	"	26	00	07	"
340	"	25	01	51	Near Hwalien.	374	"	26	00	34	Northern District.
341	"	25	03	11	"	375	"	26	02	24	"
342	"	25	04	06	Near Hengchun.	376	"	26	04	00	Near Hwalien.
343	"	25	04	15	Near Hwalien.	377	"	26	04	04	92km. WSW. of Hengchun.
344	"	25	04	58	"	378	"	26	05	03	Near Hwalien.
345	"	25	05	07	Near Hsinkong.	379	"	26	05	40	Northern District.
346	"	25	05	36	"	380	"	26	06	04	Near Hwalien.
347	"	25	05	41	Near Hwalien.	381	"	26	06	15	Near Hsinkong.
348	"	25	06	20	"	382	"	26	07	29	"
349	"	25	06	42	Near Hsinkong.	383	"	26	08	07	Near Hwalien.
350	"	25	06	47	Near Hwalien.	384	"	26	12	01	"
351	"	25	08	24	"	385	"	26	14	05	"
352	"	25	09	35	"	386	"	26	15	18	Hengchun District.
353	"	25	09	57	Near Hsinkong.	387	"	26	15	55	Near Hwalien.
354	"	25	10	11	Near Hwalien.	388	"	26	16	42	"
355	"	25	10	30	Near Hsinkong.	389	"	26	16	47	"
356	"	25	11	55	Near Hwalien.	390	"	26	17	57	"
357	"	25	13	50	"	391	"	26	21	14	"

No.	Month	P.			Epicenter	No.	Month	P.			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
392	Feb.	26	22	04	Near Hsiakong	426	Mar.	01	02	44	Hwalien District.
393	"	27	00	15	Near Hwalien	427	"	01	03	14	"
394	"	27	01	27	"	428	"	01	05	47	Taitung District.
395	"	27	01	34	"	429	"	01	08	41	Hwalien District.
396	"	27	01	55	Hengchun District.	430	"	01	09	41	"
397	"	27	02	06	Near Hwalien.	431	"	01	12	18	"
398	"	27	01	34	"	432	"	01	12	34	"
399	"	27	04	26	"	433	"	01	14	19	"
400	"	27	08	29	"	434	"	01	14	55	"
401	"	27	14	19	Near Hsinkong.	435	"	01	18	44	"
402	"	27	15	13	Near Hwalien.	436	"	01	22	31	Taitung District.
403	"	27	15	18	Near Hsinkong.	437	"	02	02	59	Near Hwalien.
404	"	27	16	12	Near Hwalien.	438	"	02	03	22	Near Alishan.
405	"	27	20	58	"	439	"	02	03	28	Taitung District.
406	"	27	21	24	Northern District.	440	"	02	07	42	Hwalien District.
407	"	27	21	40	Near Hsinkong.	441	"	02	08	18	"
408	"	27	22	29	"	442	"	02	11	03	"
409	"	28	00	16	"	443	"	02	12	54	"
410	"	28	03	17	Near Hwalien.	444	"	02	13	02	"
411	"	28	03	42	Near Hsinkong.	445	"	02	13	57	"
412	"	28	03	44	Near Hwalien.	446	"	02	22	05	"
413	"	28	04	50	"	447	"	02	22	44	"
414	"	28	04	59	Near Hsinkong.	448	"	03	00	03	Taichung District.
415	"	28	06	24	Near Alishan.	449	"	03	00	20	Near Hwalien.
416	"	28	07	02	Near Hsinkong.	450	"	03	03	12	"
417	"	28	09	10	"	451	"	03	06	57	"
418	"	28	16	45	Near Hwalien.	452	"	03	06	58	"
419	"	28	18	29	"	453	"	03	07	08	"
420	"	28	19	43	Hwalien District.	454	"	03	08	30	"
421	"	28	19	49	"	455	"	03	08	52	"
422	"	28	20	04	"	456	"	03	08	56	Taichung District.
423	"	28	21	16	"	457	"	03	15	19	Hwalien District.
424	"	28	23	34	"	458	"	03	20	00	"
425	"	01	01	55	"	459	"	04	01	13	Taitung District.

No.	Month	P.			Epicenter	No.	Month	P.			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
460	Mar.	04	16	35	40km. SE. of Hwalien	494	Mar.	09	15	51	Aleutian Is. (d)
461	"	05	02	36	Taitung District.	495	"	09	16	49	Hwalien District.
462	"	05	03	19	Near Hwalien.	496	"	09	20	48	Aleutian Is. (d)
463	"	05	04	38	"	497	"	09	23	39	Near Hwalien.
464	"	05	06	39	"	498	"	10	02	16	Tainan District.
465	"	06	00	11	Taitung District.	499	"	10	03	02	Taitung District.
466	"	06	11	45	"	500	"	10	03	16	Aleutian Is. (d)
467	"	06	21	42	"	501	"	10	08	43	Taitung District.
468	"	07	03	36	Near Hwalien.	502	"	10	08	44	"
469	"	07	05	55	Taitung District.	503	"	10	08	45	Hwalien District.
470	"	07	06	41	Hwalien District.	504	"	10	09	09	"
471	"	07	06	52	Near Hwalien.	505	"	10	11	31	Aleutian Is. (d)
472	"	07	07	03	20km. NE. of Alishan.	506	"	10	13	19	"
473	"	07	07	39	Hwalien District.	507	"	10	13	42	Near Alishan.
474	"	07	07	59	"	508	"	10	14	21	"
475	"	07	09	34	Near Alishan.	509	"	10	14	30	Near Hsinkong.
476	"	07	10	23	Hwalien District.	510	"	10	14	39	Near Alishan.
477	"	07	11	35	40km. SE. of Hwalien.	511	"	10	15	35	Aleutian Is. (d)
478	"	07	13	08	Taitung District.	512	"	10	19	46	Hwalien District.
479	"	07	13	29	"	513	"	10	21	25	"
480	"	07	14	59	Near Hwalien.	514	"	11	03	22	Aleutian Is. (d)
481	"	07	16	21	70km. E. of Taitung.	515	"	11	10	08	"
482	"	07	16	56	"	516	"	11	11	38	Hwalien District.
483	"	07	18	16	Hwalien District.	517	"	11	11	54	"
484	"	08	05	59	"	518	"	11	12	14	Sumatra. (d)
485	"	08	07	39	Northern District.	519	"	11	12	38	Northern District.
486	"	08	07	44	Hwalien District.	520	"	11	12	45	Hwalien District.
487	"	08	07	50	"	521	"	11	13	58	Near Hwalien.
488	"	09	01	17	"	522	"	11	15	05	Aleutian Is. (d)
489	"	09	05	58	"	523	"	11	15	45	"
490	"	09	07	24	"	524	"	12	02	26	Hwalien District.
491	"	09	09	43	"	525	"	12	03	29	"
492	"	09	10	39	Aleutian Is. (d)	526	"	12	07	44	Northern District.
493	"	09	14	32	"	527	"	12	11	54	Aleutian Is. (d)

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P ~ S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
					μ	μ	μ	μ	μ	μ	s	s	s			
4	Hwalien	2	eP	10 13 32.5									7	47.5	O	Ditto.
	Hsinkong		eP	45.6									8	02.4	O	
	Alishan		eP	46.0											O	
5	Tawu	3	iP	02 03 24.6	+ 31.1	+ 9.3	- 37.3		114	102				03.1	II	20km. SW. of Taitung. 22.6 N. 121 E. (1) h=5
	Taitung		P	28.4										05.9	O	
	Hengchun		P	32.3			8.9							10.1	O	
	Hsinkong		eP	32.6										09.4	O	
	Tainan		P	38.6										12.8	O	
	Kaohsiung		P	40.8										14.4	O	
	Alishan		eP	50.0											O	
	Taichung		P	51.8										23.2	O	
	Hwalien		P	51.8										20.2	O	
	Ilan		eP	04 02.1										30.9	O	
	Taipei		eP	08.4										33.5	O	
Hsinchu		eP											37.8	O		
6	Taipei	3	eP	12 52 23.0									2	370	O	44°N. 130 E Southern Manchuria. h=600km.
	Ilan		P	27.8									2	32.1	O	
	Hsinchu		eP	28.0									2	34.0	O	
	Hwalien		eP	35.8									2	33.4	O	
	Taichung		P	37.6									3	19.7	O	
	Taitung		eP	38.5											O	
	Hsinkong		eP	44.0									2	32.5	O	
	Alishan		eP	47.8									2	33.3	O	
	Tainan		P	52.0									3	24.0	O	
	Tawu		P	53.4									2	54.3	O	
	Hengchun		P	58.1				47	67		4.6	4.0	2	54.9	O	
7	Hsinkong	8	iP	22 18 18.6	- 25.9	- 32.6	+ 100.	800	800		0.7	0.7		05.0	III	23.2 N. 121 1/2 E. 18km. ENE. of Hsinkong. h=20 (s)
	Alishan		iP	21.7	- 14.1	+ 11.8		92	218					10.0	O	
	Taitung		P	25.0										8.8	O	
	Hwalien		P	26.4			+ 4.5	+ 15	+ 17	- 122	1.5	2.2		10.0	I	
	Tawu		P	31.3										12.1	O	
	Taichung		P	33.2										16.5	O	

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P ~ S	Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z				
					μ	μ	μ	μ	μ	μ	s	s	s				m
7	Tainan	8	P	22 18 36.0											15.9	O	
	Hengchun		eP	38.4											17.2	O	
	Kaohsiung		P	38.6											13.8	O	
	Taipei		eP	49.0											26.7	O	
	Ilan		eP	53.3											16.6	O	
8	Taipei	10	eP	04 25 23.5												6 N. 9 1/2 E. Northern Sumatra.	
	Tainan		eP	26 12.5													
	Hengchun		eP	20 00.7													
9	Ilan	11	P	23 33 24.2											2	27.2	27 N. 17 1/2 E. Rugkuy Is.
	Taipei		eP	32.2											2	53.0	
	Hwalien		eP	33.4												O	
	Hsinkong		eP	39.2												O	
	Alishan		eP	45.4												O	
	Hengchun		eP	59.0												O	
	10	Hwalien	15	iP	20 09 14.9			+ 8.6								02.5	
Alishan			P	20.9				283	224						08.7	I	
Taipei			iP	21.5	- 10.0	± 0	- 2.0								13.5	O	
Hsinchu			eP	22.0											16.6	O	
Hsinkong			eP	24.4				115	115	93	1.1	1.1	1.0		14.0	O	
Taichung			iP	25.1		+	-								12.6	O	
Ilan			eP	28.8				158	128		1.9	1.8			10.8	O	
Taitung			P	32.0	+ 2.3	- 4.1		213	232		1.5	1.9			18.0	O	
Tawu			P	39.4											24.9	O	
Penghu			P	40.2											24.5	O	
Tainan			P	45.7											21.7	O	
11	Kaohsiung	16	P	14 01 52.1				+ 250	- 550		0.6	0.6			07.2	II	22.8 N. 120.2 E. 15km. S. of Tainan. (1)
	Tainan		iP	02 03.5	+	+	+	138	117		0.2	0.2			06.8	II	
	Taitung		P	05.6											15.8	O	
Alishan		eP	06.8											11.8	O		

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z				
11	Tawu	16	P	14 02 09.2	—	—	—	—	—	—	—	—	—	—	13.6	O	
	Hengshun		eP	10.6	—	—	—	—	—	—	—	—	—	—	07.2	O	
	Hsinkong		eP	12.2	—	—	—	—	—	—	—	—	—	—	15.9	O	
	Taichung		eP	17.5	—	—	—	—	—	—	—	—	—	—	—	O	
	Hwalien		eP	30.9	—	—	—	—	—	—	—	—	—	—	16.5	O	
	Hsinchu		eP	38.0	—	—	—	—	—	—	—	—	—	—	15.3	O	
	Ulan		eP	42.3	—	—	—	—	—	—	—	—	—	—	26.7	O	
	Taipei		eP	44.6	—	—	—	—	—	—	—	—	—	—	31.5	O	
12	Hwalien	24	eP	01 18 30.8	—	—	—	—	—	—	—	—	—	5	46.2	O	Near New Guinea.

Major Earthquakes which Occurred in February, 1957.

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks		
					N	E	Z	N	E	Z	N	E	Z					
1	Taipei	3	eP	17 36 51.6	—	—	—	—	—	—	—	—	—	—	7	30.0	O	Kanchatka.
2	Alishan	8	eP	05 39 23.2	—	—	—	—	—	—	—	—	—	—	—	15.6	O	24 N. 122.4 E. h=40 94km. SE. of Ulan. (s)
	Hwalien		eP	40 083	—	—	—	—	—	—	—	—	—	—	11.0	O		
	Ulan		iP	09.7	- 33.0	+ 29.0	- 81.0	- 413	+ 503	—	20	1.8	—	—	07.7	O		
	Taipei		iP	14.9	- 6.5	+ 6.9	- 13.3	457	471	167	0.7	0.7	0.8	—	14.3	O		
	Hsinchu		P	16.0	—	—	—	+ 613	+ 500	—	1.5	1.1	—	—	18.3	O		
	Hsinkong		iP	18.2	+	+ 2.3	- 5.5	—	—	—	—	—	—	—	16.4	O		
	Taichung		iP	20.9	+	+	+	452	353	123	3.2	2.8	1.8	—	19.1	O		
	Taitung		iP	25.0	—	—	—	—	—	—	—	—	—	—	21.9	O		
	Tainan		P	36.3	—	—	—	—	—	—	—	—	—	—	19.7	O		
	Hengshun		eP	39.4	—	—	—	—	—	—	—	—	—	—	32.5	O		
3	Penghu		eP	45.7	—	—	—	- 138	- 106	—	2.6	2.6	—	—	20.9	O	10 N. 126 E. Mindanao (Foreshock)	
	Kaohsiung		P	50.7	—	—	—	—	—	—	—	—	—	—	—	O		
	Tawu		P	41 35.4	—	—	—	—	—	—	—	—	—	—	28.7	O		
	Hengshun	10	eP	22 35 24.5	—	—	—	—	—	—	—	—	—	—	2	38.4		O
Tawu		P	24.7	—	—	—	—	—	—	—	—	—	—	2	46.4	O		
Hsinkong		eP	27.0	—	—	—	—	—	—	—	—	—	—	2	48.0	O		
Hwalien		eP	40.2	—	—	—	—	—	—	—	—	—	—	2	32.3	O		

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks					
					N	E	Z	N	E	Z	N	E	Z								
3	Tainan	10	eP	22 35 36.8	—	—	—	—	—	—	—	—	—	—	—	2	59.0	C			
	Taitung		eP	40.8	—	—	—	—	—	—	—	—	—	—	—	2	49.5	O			
	Taipei		P	36 02.2	—	—	—	—	—	—	—	—	—	—	—	2	58.0	O			
	Ulan		eP	05.0	—	—	—	—	—	—	—	—	—	—	—	2	55.3	O			
4	Hengshun	10	P	22 53 08.0	—	—	—	—	—	—	—	—	—	—	—	—	02	36.5	O	Ditto.	
	Hwalien		eP	27.1	—	—	—	—	—	—	—	—	—	—	—	—	02	25.8	O		
5	Taipei	11	eP	01 17 10.7	—	—	—	—	—	—	—	—	—	—	—	—	3	19.0	O	Ditto. (aftershock)	
	Taitang		eP	55.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O		
	Tawu		P	18 07.4	—	—	—	—	—	—	—	—	—	—	—	—	2	40.4	O		
	Hwalien		eP	12.9	—	—	—	—	—	—	—	—	—	—	—	—	2	46.2	O		
	Hsinkong		eP	13.7	—	—	—	—	—	—	—	—	—	—	—	—	2	45.4	O		
	Tainan		P	14.7	—	—	—	—	—	—	—	—	—	—	—	—	2	53.2	O		
	Hengshun		eP	16.3	—	—	—	—	—	—	—	—	—	—	—	—	2	14.8	O		
	6	Tainan	11	eP	14 29 10.0	—	—	—	—	—	—	—	—	—	—	—	—	2	44.5		O
Hwalien			eP	16.4	—	—	—	—	—	—	—	—	—	—	—	—	2	37.2	O		
Hsinkong			eP	36.4	—	—	—	—	—	—	—	—	—	—	—	—	2	38.1	O		
Taipei			eP	42.0	—	—	—	—	—	—	—	—	—	—	—	—	2	41.5	O		
7	Taitung	13	P	00 33 14.4	—	—	—	—	—	—	—	—	—	—	—	—	2	42.7	O	Ditto.	
	Hsinkong		eP	16.6	—	—	—	—	—	—	—	—	—	—	—	—	2	38.9	O		
	Tawu		P	17.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O		
	Taipei		eP	20.3	—	—	—	—	—	—	—	—	—	—	—	—	3	15.0	O		
	Tainan		eP	12.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O		
	Hwalien		eP	24.8	—	—	—	—	—	—	—	—	—	—	—	—	2	51.2	O		
8	Hengshun		eP	35 53.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O		
	Tainan	18	P	07 20 02.9	—	—	—	—	—	—	—	—	—	—	—	—	—	19.1	O	23.7 N. 121.7 E. 36km. SSE. of Hwalien. h=40 (s)	
	Hwalien		iP	43.2	+ 34.1	- 14.8	+ 28.4	—	—	—	—	—	—	—	—	—	—	06.0	O		
	Hsinkong		iP	47.1	—	—	2.7	114	109	123	0.7	0.9	0.7	—	—	—	—	09.5	O		
	Taitung		P	56.7	—	—	—	—	—	—	—	—	—	—	—	—	—	24	O		
	Taichung		iP	57.0	- 9.0	+ 15.0	- 50.0	—	—	—	—	—	—	—	—	—	—	—	1.2		O
	Hsinchu		P	57.9	—	—	—	300	+ 213	—	1.1	1.0	—	—	—	—	—	—	16.6		O
	Taipei		P	21 02.5	—	—	—	70	101	—	2.0	1.5	—	—	—	—	—	—	14.1		O

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G. M. T.)	N	E	Z	N	E	Z	N	E	Z	s	s			
8	Tawu	18	P	07 21 04.3				31	13		1.7				20.6	O		
	Heng-hun		eP	10.2											21.2	O		
	Penghu		P	11.6											22.9	O		
	Kaohsiung		P	14.4												O		
	Alishan		iP		+ 3.3	+ 17.6		223	247								I	
9	Penghu	23	eP	11 05 38.7											37.1	O	23.8 N. 122.9 E. 135km. ESE. of Hwalien	
	Ilan		P	06 06.0			-14.0	-212	+201	-83	1.0	1.0	1.0		16.9	I	(s) h=10	
	Hwalien		iP	08.3	+	+		78	151	63	17	24	30		18.1	O		
	Taipei		eP	08.9				108	91		1.4	1.7			18.7	O		
	Hsinkong		eP	11.8											21.9	O		
	Taichung		eP	18.6											28.9	O		
	Alishan		eP	19.3											27.3	O		
	Tawu		eP	26.5											31.9	O		
	Hsinchu		eP	30.0											15.3	O		
	Heng-hun		eP	34.9											36.9	O		
Tainan		eP	34.2												O			
10	Hwalien	23	iP	20 26 21.5	+ 350	- 950	+ 15	43000	47500	26000					04.8	V	238 N. 121.8 E. 28km. ESE. of Hwalien.	
	Alishan		iP	27.6	+ 13	+ 13	+ 12	20000	11000	8600					12.9	III	h=30. Earthquake sound. (r)	
	Heng-hun		iP	29.3	+ 3.4	+ 5.7	- 10.1											
	Ilan		iP	31.6	- 17	+ 30.0	+ 12	21000	20000	18500					11.3	IV		
	Taichung		iP	31.8	- 18	570.0	- 34	15000	40388	20850	4.0	3.0	3.0		13.4	IV		
	Taipei		iP	34.2	- 5.0	31 ± 0	- 26	14469	14849	5764	1.3	2.0	2.4		15.4	N		
	Hsinchu		iP	36.5	- 1.7	65	435.0	- 65	21724	22590	21305	4.4	4.4	2.6		15.0	N	
	Tawu		P	40.6	- 5.0										21.7	N		
	Taitung		iP	42.3	- 7.0	- 2.3 ± 0	8500	10600	5000	3.5	4.8	4.3		16.4	IV			
	Kaohsiung		iP	42.7	- 22.5	- 11.3	1450	1270		0.2	0.4			23.8	III			
	Tainan		iP	43.0	- 27.4	- 25.9 + 1.0	15	24000	15800	13500	3.8	3.8	3.8		22.0	III		
	Heng-hun		iP	51.0	- 20.0	- 5.5 + 4.7	7150	4900	5800	2.5	2.5	2.5		25.8	III			
Penghu		iP	54.2	- 4.6	- 66.3	2084							27.7	III				
11	Hwalien	23	P	20 57 45.0				312	320		80	80			04.5	II	Aftershock.	
12	Hwalien	23	P	23 56 10.7											05.5	II	65km. NE. of Hsinkong.	

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G. M. T.)	N	E	Z	N	E	Z	N	E	Z	N	E			
12	Ilan	23	eP	23 56 14.4													0 (1) h=20	
	Taichung		P	20.0													15.4 O	
	Taipei		eP	25.8													O	
	Hsinchu		eP	27.0													14.4 O	
	Tainan		eP	57 01.0													O	
13	Hwalien	24	P	06 47 16.2													05.4 II 18km. ESE. of Hwalien.	
	Hsinkong		eP	21.9													11.1 O (1) h=40.	
	Alishan		eP	26.0													10.9 O	
	Taichung		eP	28.6													12.1 O	
	Taipei		eP	31.5													10.0 O	
	Hsinchu		eP	37.0													14.4 O	
14	Hwalien	24	P	17 24 32.7	+ 2.5	- 7.5	- 9.0										03.9 IV 23.9 N. 121.7 E. 23 km. E. of Hwalien.	
	Ilan		iP	45.0	- 24.0		- 19.0	- 327	+ 337		1.9	1.9					09.9 I h=40 (s)	
	Hsinkong		eP	47.4				76	117	685	1.4	1.6	1.0				13.0 O	
	Alishan		iP	48.3	- 7.6	- 11.8		152	147		0.5	0.5					12.0 O	
	Taichung		iP	48.5				541	437	285	2.3	2.8	1.6				12.5 I	
	Taipei		iP	49.7	- 13.0 ± 0	- 15.4	140	131	52	2.1	1.5	2.1					12.6 I	
	Hsinchu		eP	50.8				- 300	+ 300		1.2	1.2					14.0 I	
	Taitung		P	57.4													19.1 O	
Tawu		eP	25 03.5				21	33		1.5	1.2					22.2 O		
Heng-hun		eP	07.3														21.4 O	
Tainan		eP	01.7														O	
15	Hwalien	24	P	21 47 35.5	- 30.0	- 7.5	+ 7.4										05.1 III 24 N. 121.8 E. 25km. NE. of Hwalien.	
	Hsinkong		eP	45.2				84	69	59	0.9	0.9	0.9				12.7 I h=40 (s)	
	Ilan		P	46.0			- 7.0	+ 252	- 38		1.3	1.4					09.8 I	
	Taichung		iP	47.2	-	+		522	1081	443	0.9	1.7	2.0				12.5 II	
	Alishan		iP	47.3	+ 2.2	+ 3.5		130	235								10.9 O	
	Hsinchu		P	49.0				- 475	- 700			1.0					14.4 I	
	Tainan		P	59.3													21.0 O	
	Taipei		iP	49.8	+ 8.5	- 4.2	+ 2.5	332	504		1.0	0.9					11.9 II	
	Taitung		eP	50.5													06.4 O	
	Tawu		eP	48 00.8				27	37		1.7	1.9					23.2 O	

地震季報

第四卷 第二號

中華民國四十六年四、五、六月

THE SEISMOLOGICAL BULLETIN

OF

TAIWAN WEATHER BUREAU

for

April-June, 1957.

VOL. IV, No. 2

臺灣省氣象所

Published by Department of Seismology,

TAIWAN WEATHER BUREAU.

64, Kung Yuan Road, Taipei, Taiwan

China.

GENERAL ASPECT OF EARTHQUAKES

April to June, 1957.

In April, the number of earthquakes was one hundred and twenty-one, and has a decrease in comparison to the last month, among them seven were classified as felt earthquakes and the rest were unfelt ones.

Four small felt area earthquakes happened in this month and the local ones were three.

Thirteen distant earthquakes were recorded in Taiwan, Their epicenters were located in New Guinea, Japan, Lile Kodiak, West Java sea, Fox Island, Turkey and Mindanao respectively and the remains were unknown.

In May, one hundred and three earthquakes were recorded, the total numer has a little decrease in comparison to April. Ten of them were classified as felt earthquakes and the remains were unfelt ones. One moderate earthquake occurred on 20th, its epicenter was located at 24.8 N. 124.2E.. And four of them were classified as felt area earthquakes and five were classified as local ones.

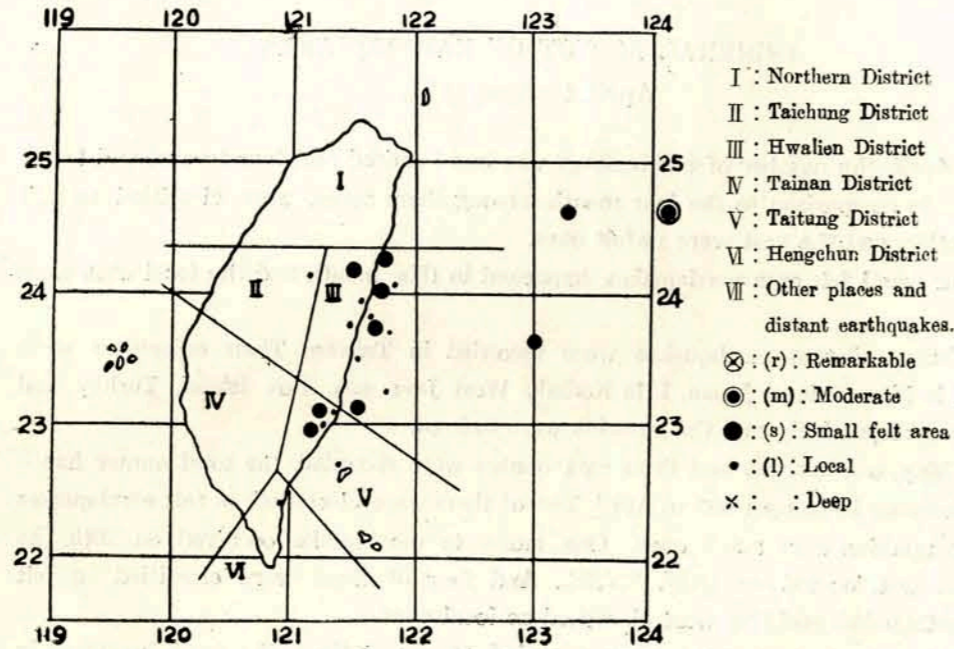
Eight distant earthquakes were recorded at our stations, thy were happened in Flores sea, Sumar P. I. West new Guinea, Chinghai province, Java, Mariana Island, Turkey, and Burma-Pakistan Border respectively.

In June, ninety-seven earthquakes were occurred in Taiwan. Among them seven were classified as felt earthquakes, and the rest were unfelt one.

Among these felt earthquakes six were classified as local earthquakes, and the rest was small felt area ones.

Fourteen distant earthquakes were recorded, their epicenters were located in Molucca Passage, Sumbawa Island, Luzon, Japan, Aleutain, Burma, and Mariana respectively.

Epicenters of Felt Earthquakes in April to June, 1957



Number of earthquakes classified according to its magnitudes and Districts April to June, 1957

District	Classification Magnitudes	Number of felt earthquakes				Number of unfelt earthquakes	Total
		Remarkable	Moderate	Small felt area	Local		
Northern District		—	1	1	1	3	32
Taichung "		—	—	—	1	1	15
Hwalien "		—	—	6	7	13	88
Tainan "		—	—	—	—	—	5
Taitung "		—	—	2	4	6	135
Hengchun "		—	—	—	1	1	11
Other places "		—	—	—	—	—	35
Total		—	1	9	14	24	321

Felt Earthquakes in the month of April to June, 1957.

No.	Month	P. M. T.			Magnitude	Epicenter	Latitude		Depth, KMS.
		G.	M.	T.			N.	E.	
72	April	02	03	57	1	20km. E. of Taipei.	25	121.7	60
73	"	02	08	19	s	50km. NE. of Hwalien.	24.3	121.8	5
74	"	05	23	14	"	150km. ESE. of Hwalien.	23.7	133	20
75	"	06	20	19	1	35km. SSW. of Hwalien.	23.7	121.6	20
76	"	09	21	40	s	35km. SSE. of Hwalien.	23.6	121.7	20
77	"	10	23	29	1	Near Hsinkong	—	—	—
78	"	14	09	38	s	24km. E. of Hsinkong.	23.1	121.5	40
79	May	06	22	44	"	164km. E. of Ilan.	24.7	123.4	60
80	"	07	17	56	1	44km. WNW. of Hwalien.	24.2	121.3	60
81	"	10	14	52	"	40km. SSE. of Hsinkong.	22.8	121.4	20
82	"	19	10	28	"	24km. NE. of Hwalien.	24.1	121.7	0
83	"	19	20	46	m	250km. E. of Ilan.	24.8	124.2	—
84	"	23	23	13	s	24km. ENE. of Hwalien.	24	121.8	20
85	"	27	14	45	1	Near Hwalien.	—	—	—
86	"	28	13	54	"	24km. SE. of Hwalien.	—	—	40
87	"	29	08	59	s	10km. WNW. of Hsinkong.	23.1	121.2	0
88	"	30	01	22	1	34km. N. of Hwalien.	—	—	0
89	June	01	06	38	"	Near Hsinkong	—	—	—
90	"	05	23	59	"	13km. S. of Hwalien.	23.8	121.7	—
91	"	06	02	32	"	Near Tawu.	—	—	—
92	"	08	22	09	"	32 km. ENE. of Hsinkong.	23.2	121.7	0
93	"	22	14	34	s	20km. NNE. of Taitung.	22.9	121.1	0
94	"	22	14	35	1	"	—	—	—
95	"	22	14	40	"	38km. NNE. of Hsinkong.	23.4	121.1	10

Unfelt Earthquakes in the month of April to June, 1957.

No.	Month	P. M. T.			Epicenter	No.	Month	P. M. T.			Epicenter
		G.	M.	T.				G.	M.	T.	
		d.	h.	m.			d.	h.	m.		
630	March	31	20	17	50km. ENE. of Ilan.	634	April	01	17	05	Near Hsinkong.
631	April	01	01	01	Near Hsinkong.	635	"	02	06	17	Near Hwalien.
632	"	01	08	14	"	636	"	02	08	25	Hwalien District.
633	"	01	12	12	"	637	"	02	08	36	"

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
638	April.	02	08	39	Near Hsinkong.	672	April.	09	00	28	Honshu, Japan. (d)
639	"	02	16	19	Near Hwalien.	673	"	09	00	50	Hwalien District.
640	"	02	17	00	Near Hsinkong.	674	"	09	02	22	"
641	"	02	20	16	Near Hwalien.	675	"	09	03	00	27km. SSW. of Taichung.
642	"	03	02	46	Northern District.	676	"	09	03	46	70km. ENE. of Hwalien.
643	"	03	06	03	Near Alishan.	677	"	09	10	39	Near Taitung.
644	"	03	09	25	Near Ilan.	678	"	10	04	40	Near Hwalien.
645	"	03	15	51	Near Hsinkong.	679	"	10	11	41	Lile Kodiak 154W. 56N. (d)
646	"	04	22	57	"	680	"	10	16	33	Taitung District.
647	"	05	01	30	Near Hwalien.	681	"	10	17	50	Hwalien District.
648	"	05	02	25	100km. NE. of Hwalien.	682	"	10	19	29	"
649	"	05	02	29	"	683	"	11	02	43	Near Hsinkong.
650	"	05	07	42	Hwalien District.	684	"	11	03	51	Near Taitung.
651	"	05	12	39	Near Alishan.	685	"	11	14	53	40km. SSW. of Hwalien.
652	"	05	17	12	"	686	"	11	19	53	Near Alishan.
653	"	05	23	22	Near Hsinkong.	687	"	12	14	27	Near Hwalien.
654	"	06	13	14	Hwalien District.	688	"	12	15	57	30km. N. of Alishan.
655	"	06	15	23	Northern District.	689	"	12	23	22	Near Hwalien.
656	"	06	15	26	"	690	"	13	00	25	Near Hsinkong.
657	"	06	21	08	"	691	"	13	10	16	? (d)
658	"	06	22	49	Near Hwalien.	692	"	13	14	09	Near Hwalien
659	"					693	"	13	22	52	94km. ESE. of Hwalien.
660	"	07	00	31	Near Hwalien.	694	"	13	23	05	Taitung District.
661	"	07	06	40	Taitung District.	695	"	14	07	19	31 N. 84 $\frac{1}{2}$ E. (d)
662	"	07	10	20	New Guinea. (d)	696	"	14	15	43	90km. ENE. of Hengchun.
663	"	07	12	49	Hwalien District.	697	"	14	16	02	Near Taitung.
664	"	07	18	55	"	698	"	14	16	28	"
665	"	07	21	28	? (d)	699	"	14	18	30	? (d)
666	"	07	21	37	Hwalien District.	700	"	14	23	20	27km. SSW. of Taitung.
667	"	07	21	44	Taitung District.	701	"	15	16	40	44km. E. of Hwalien.
668	"	08	00	15	Near Hsinkong.	702	"	16	00	31	Near Hsinkong.
669	"	08	00	17	"	703	"	16	04	09	West Java Sea. (d)
670	"	08	14	09	218km. ESE. of Hwalien.	704	"	16	12	02	Near Hwalien.
671	"	08	18	18	"	705	"	16	12	09	"

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
706	April.	16	13	01	Hwalien District.	740	April.	28	02	54	Hwalien District.
707	"	16	15	05	Near Ilan.	741	"	28	15	00	Hengchun District.
708	"	17	05	08	Near Hwalien.	742	"	18	17	10	Near Hwalien.
709	"	18	17	36	80km. ESE of Ilan.	743	"	29	01	27	Near Hengchun.
710	"	18	19	41	Near Hsinkong.	744	"	30	09	16	Near Hsinkong.
711	"	18	20	24	"	745	May	01	05	38	Near Hwalien.
712	"	18	21	59	Near Hwalien.	746	"	01	06	10	Taitung District.
713	"	19	10	14	Near Hsinkong.	747	"	01	12	40	Near Hwalien.
714	"	19	22	30	Fox Is. Aleutian. (d)	748	"	01	20	27	Near Hsinkong.
715	"	20	02	40	Near Hwalien.	749	"	02	06	10	Hwalien District.
716	"	21	01	56	30km. NE. of Tainan.	750	"	02	11	39	"
717	"	21	21	31	Northern District.	751	"	02	14	14	Near Hwalien.
718	"	22	07	51	Near Hsinkong.	752	"	02	21	41	7 $\frac{1}{2}$ S. 120 E.
719	"	22	14	55	56km. NNE. of Hsinkong.	753	"	02	21	46	Northern District.
720	"	22	20	39	Taitung District.	754	"	02	21	51	Taichung District.
721	"	23	03	42	Near Hsinkong.	755	"	03	06	10	"
722	"	23	10	03	"	756	"	03	14	46	12 $\frac{1}{2}$ N. 125 $\frac{1}{2}$ E. (d)
723	"	23	13	29	Hwalien District.	757	"	03	14	51	Tainan District.
724	"	23	13	42	Near Hwalien.	758	"	03	18	07	Near Hengchun.
725	"	24	12	20	"	759	"	03	20	38	Near Hsinkong.
726	"	24	12	40	Taitung District.	760	"	03	21	14	"
727	"	24	15	24	Hwalien District.	761	"	04	02	33	45km. SW. of Ilan.
728	"	24	19	22	Turkey. (d)	762	"	04	06	47	Near Hsinkong.
729	"	25	01	11	Hengchun District.	763	"	04	10	12	New Guinea (d)
730	"	25	02	38	Turkey. (d)	764	"	04	15	00	Chinghai Province. (d)
731	"	25	03	58	Near Hsinkong.	765	"	05	03	32	Near Taitung.
732	"	25	04	05	Hengchun District.	766	"	06	02	25	58km. ESE. of Tawu.
733	"	25	06	49	Near Hsinkong.	767	"	06	07	00	Near Hsinkong.
734	"	25	11	11	Taitung District.	768	"	06	14	30	Taichung District.
735	"	25	12	30	Near Hsinkong.	769	"	06	18	01	Near Hsinkong.
736	"	25	16	04	Taitung District.	770	"	07	15	06	123km. ESE. of Ilan.
737	"	26	02	28	Near Hsinkong.	771	"	07	20	31	Hwalien District.
738	"	27	00	15	Taitung District.	772	"	09	05	13	Near Hsinkong.
739	"	28	01	28	Mindanao. (d)	773	"	09	17	59	"

No.	Month	P. T.)			Epicenter	No.	Month	P. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
774	May	09	18	09	Near Hsinkong.	808	May	21	17	30	Near Hwalien.
775	"	09	20	03	"	809	"	22	09	53	Near Hsinkong.
776	"	10	17	09	Taichung District.	810	"	22	13	39	Hwalien District.
777	"	11	01	36	Hwalien District.	811	"	22	10	07	Near Hsinkong.
778	"	11	05	17	"	812	"	22	13	39	Taitung District.
779	"	11	11	15	"	813	"	22	18	34	Near Hwalien.
780	"	12	11	02	Taitung District.	814	"	25	07	37	Near Taitung.
781	"	12	11	36	Near S. Coast of Java. (d)	815	"	25	07	49	Near Hwalien.
782	"	12	16	57	Northern District.	816	"	25	18	54	Near Hsinkong.
783	"	13	11	02	Near Alishan.	817	"	26	02	17	"
784	"	13	16	10	Near Hwalien.	818	"	26	02	57	Near Hwalien.
785	"	13	16	51	"	819	"	26	06	45	Turkey. (d)
786	"	15	11	56	Near Hsinkong.	820	"	26	23	18	Near Hsinkong.
787	"	15	23	37	"	821	"	27	08	17	Northern District.
788	"	16	08	19	"	822	"	27	20	52	Near Hsinkong.
789	"	16	12	33	"	823	"	28	00	35	Taitung District.
790	"	16	16	44	"	824	"	28	00	56	85km. E. of Ilan.
791	"	16	23	03	Hengchun District.	825	"	28	05	57	Pakistan-Burma border
792	"	17	02	18	62km. ENE. of Hengchun.	826	"	28	06	21	Near Hsinkong.
793	"	17	05	04	Near Hsinkong.	827	"	28	15	09	"
794	"	17	05	47	"	828	"	28	19	40	56km. ENE. of Hwalien.
795	"	17	06	00	"	829	"	28	23	47	150km. E. of Hwalien.
796	"	17	23	48	"	830	"	29	99	05	Near Hsinkong.
797	"	18	07	14	"	831	"	29	21	35	"
798	"	18	17	32	Taitung District.	832	"	29	21	37	"
799	"	18	18	05	Near Hsinkong.	833	"	30	04	00	"
800	"	18	19	56	"	834	"	30	11	25	"
801	"	19	06	59	Near Hwalien.	835	"	30	15	17	"
802	"	19	20	50	250km E. of Ilan.	836	"	30	22	56	"
803	"	19	23	05	28km E. of Hwalien.	837	June.	01	04	40	"
804	"	20	18	01	Taitung District.	838	"	01	06	29	Near Taitung
805	"	21	01	16	Mariana Is. region. (d)	839	"	01	11	09	? (d)
806	"	21	01	42	Northern District.	840	"	01	11	26	Hwalien District.
807	"	21	02	31	Near Hsinkong.	841	"	01	22	41	? (d)

No.	Month	P. T.)			Epicenter	No.	Month	P. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
842	June.	03	09	01	Northern District.	876	June.	12	11	29	Near Hsinkong.
843	"	03	20	14	Near Hsinkong.	877	"	12	16	29	Hengchun District.
844	"	03	22	29	"	878	"	13	10	50	Andean of Aleutian.
845	"	04	00	00	Tainan District.	879	"	14	08	26	Near Taitung.
846	"	04	04	08	Near Hsinkong.	880	"	14	17	13	Taitung District.
847	"	04	07	32	"	881	"	15	08	17	Near Hsinkong.
848	"	04	17	39	"	882	"	15	22	13	"
849	"	04	19	37	"	883	"	16	02	27	Taichung District.
850	"	04	22	05	"	884	"	16	04	05	Taitung District.
851	"	05	21	15	"	885	"	16	11	40	Near Ilan.
852	"	06	04	58	"	886	"	16	20	52	Near Hsinkong.
853	"	06	19	55	Molucca Passage. (d)	887	"	18	02	18	Hengchun District.
854	"	07	07	38	67km. E. of Ilan.	888	"	18	02	24	Burma (?) (d)
855	"	07	17	20	Near Hwalien.	889	"	18	05	13	17km. SSE. of Tawu.
856	"	07	21	52	"	890	"	18	11	20	Luzon Philippine.
857	"	07	22	09	"	891	"	18	11	23	"
858	"	08	17	26	Taitung District.	892	"	18	13	04	Near Hsinkong.
859	"	08	22	05	Near Hsinkong.	893	"	18	14	54	Burma. aftershock.
860	"	09	02	38	Northern District.	894	"	18	17	52	Northern District.
861	"	09	02	41	Near Hsinkong.	895	"	18	23	18	Near Hsinkong.
862	"	09	04	34	Northern District.	896	"	19	09	09	"
863	"	09	13	05	Near Hsinkong.	897	"	19	18	17	"
864	"	10	01	06	Sumbawa Is. (d)	898	"	19	18	25	"
865	"	10	03	13	Hwalien District.	899	"	19	19	10	Northern District.
866	"	10	03	18	131km. E. of Hengchun.	900	"	19	20	31	"
867	"	11	00	03	Hengchun District.	901	"	20	01	12	Mariana Is. (d)
868	"	11	00	27	Near Hsinkong.	902	"	20	21	52	128km. E. of Ilan.
869	"	11	05	26	105km. E. of Hengchun.	903	"	20	22	55	70km. ESE. of Hwalien.
870	"	11	10	01	Near Hsinkong.	904	"	21	11	45	22km. NNE. fo Hsinkong.
871	"	11	11	48	Taitung District.	905	"	21	13	59	Near Hsinkong.
872	"	11	15	02	Hwalien District.	906	"	21	20	48	"
873	"	11	18	50	Near Coast of Luzon.	907	"	21	23	30	Northern District.
874	"	12	04	12	55km. ESE of Hwalien.	908	"	22	13	51	Tainan District.
875	"	12	08	34	Near South Coast. of Hokkaido.	909	"	22	13	53	Taichung District.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
910	June	22	14	43	Near Hsinkong.	919	Jun.	27	06	45	Taitung District.
911	"	22	17	56	"	920	"	28	05	12	"
912	"	22	18	20	"	921	"	28	07	24	Northern District.
913	"	22	23	56	New Guinea. (d)	922	"	28	18	02	Taichung District.
914	"	22	23	59	Northern District.	923	"	29	21	43	Near Hwalien.
915	"	23	03	01	Hwalien District.	924	"	30	00	23	Near Hsinkong.
916	"	23	11	59	Northern District.	925	"	30	08	23	Near Ilan.
917	"	23	19	47	Hwalien District.	926	"	30	15	39	18km. N. of Kaohsiung.
918	"	27	00	16	56 1/2 N. 116E.						

Major Earthquakes which Occurred in April, 1957.

No.	Station	Date	Phase	P. (G. M. T.)			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z				
1	Hengchun	7	eP	10	20	03.0	-	-	-	-	-	-	-	-	-	-	-	1S. 137 1/2 E. Near North Coast of New Guinea. (d)	
	Hsinkong		eP			16.5	-	-	-	-	-	-	-	-	-	-	-		6 07.2 O
	Hwalien		eP			16.9	-	-	-	-	-	-	-	-	-	-	-		4 52.7 O
	Ilan		eP			17.1	-	-	-	-	-	-	-	-	-	-	-		4 54.5 O
	Taipei		eP			23.6	-	-	-	-	-	-	-	-	-	-	-		4 51.6 O
	Tainan		(S)	24	22.5	-	-	-	-	-	-	-	-	-	-	-	-	0	
2	Ilan	9	eP	00	28	01.3	-	-	-	-	-	-	-	-	-	-	-	30.5 N. 138.5 E. off South Coast of Honshu, Japan. h=450km. (d)	
	Hwalien		P			06.1	-	-	-	-	-	-	-	-	-	-	-		2 45.2 O
	Hsinkong		eP			12.0	-	-	-	-	-	-	-	-	-	-	-		3 00.5 O
	Taichung		eP			13.1	-	-	-	-	-	-	-	-	-	-	-		0
	Alishan		eP			18.9	-	-	-	-	-	-	-	-	-	-	-		2 53.6 O
	Taitung		P			19.6	-	-	-	-	-	-	-	-	-	-	-		3 06.9 O
	Tawu		P			22.2	-	-	-	-	-	-	-	-	-	-	-		0
	Tainan		P			25.0	-	-	-	-	-	-	-	-	-	-	3 02.8 O		
3	Hwalien	9	iP	21	40	22.4	-11.8	-11.0	-7.5	-	-	-	-	-	-	-	-	23.6 N. 121.7 E. 35km. SSE. of Hwalien. h=20km. (s)	
	Hsinchu		P			27.0	-	-	-	-	-	-	-	-	-	-	-		25.9 O
	Hsinkong		iP			27.4	-1.2	-1.0	+2.8	70	55	30	0.4	0.4	0.4	-	-		10.0 I
	Alishan		eP			29.6	-	-	-	-	-	-	-	-	-	-	-		09.5 O
	Taichung		iP			33.4	-3.0	+4.0	-14.0	-	-	-	-	-	-	-	-		13.6 I

No.	Station	Date	Phase	P. (G. M. T.)			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z				
3	Taitung	9	P	21	40	35.3	-	-	-	-	-	-	-	-	-	-	-	17.2 O	
	Ilan		eP			36.1	-	-	-	-	-	-	-	-	-	-	-	13.2 O	
	Tainan		P			38.5	-	-	-	-	-	-	-	-	-	-	-	28.8 O	
	Taipei		eP			40.5	-	-	-	-	-	-	-	-	-	-	-	12.7 O	
	Tawu		P			44.4	-	-	-	-	-	-	-	-	-	-	-	18.6 O	
	Hengchun		P			57.0	-	-	-	-	-	-	-	-	-	-	-	16.4 O	
	Kaohsiung		P			59.2	-	-	-	-	-	-	-	-	-	-	-	0	
4	Ilan	10	eP	11	40	41.2	-	-	-	-	-	-	-	-	-	-	-	154 W. 56 N. Iile Kodiak (d)	
	Hsinkong		eP			41 03.2	-	-	-	-	-	-	-	-	-	-	-		8 69.0 O
	Tainan		eP			06.7	-	-	-	-	-	-	-	-	-	-	-		9 43.0 O
	Hengchun		eP			10.8	-	-	-	-	-	-	-	-	-	-	-		9 01.9 O
	Tawu		eP			19.2	-	-	-	-	-	-	-	-	-	-	-		8 56.5 O
	Taipei		eP			41.3	-	-	-	-	-	-	-	-	-	-	-		8 ? O
5	Hsinkong	14	iP	09	38	26.0	-81	-15.1	+47.1	263	213	93	0.9	0.9	0.8	-	-	N. 23.1 E. 121 1/2 24km. E. of Hsinkong. h=40km. (s)	
	Tainan		eP			27.0	-	-	-	-	-	-	-	-	-	-	-		23.6 O
	Taichung		iP			33.9	+40	-4.0	-6.0	290	290	-	0.8	0.8	-	-	15.8 I		
	Taitung		P			34.4	-	-	-	-	-	-	-	-	-	-	-		07.7 O
	Hwalien		P			34.5	-	-	-	+172	+130	-448	1.4	1.4	0.4	-	-		10.4 II
	Alishan		P			36.5	-10.9	+5.9	?	14	17	-	-	-	-	-	-		10.4 O
	Tawu		P			40.8	-	-	-	-	-	-	-	-	-	-	-		0
	Ilan		eP			48.0	-	-	-	-	-	-	-	-	-	-	-		19.7 O
	Hengchun		P			50.0	-	-	-	-	-	-	-	-	-	-	-		0
	Taipei		eP			56.0	-	-	-	-	-	-	-	-	-	-	-		14.0 O
	Hsinchu		P			57.0	-	-	-	-	-	-	-	-	-	-	-	17.9 O	
	Kaohsiung		eP			59.2	-	-	-	-	-	-	-	-	-	-	-	08.9 O	
6	Penghu	16	iP	04	09	12.6	+20.0	-17.5	-	100	58	-	4.4	4.4	-	-	-	4 1/2 S. 107 1/2 E. West Taba. Sea. (d)	
	Hsinchu		P			27.0	-	-	-	-	-	-	-	-	-	-	-		4 57.0 O
	Hengchun		iP			30.3	+27.2	+29.9	+78.3	188	-	-	4.4	-	-	-	-		4 08.0 O
	Tawu		eP			32.3	+21.3	+9.1	-	160	106	-	5.4	5.4	-	-	-		4 17.2 O
	Tainan		iP			33.8	-	-	-	-	-	-	-	-	-	-	-		4 19.4 O
	Taitung		P			36.8	-	-	-	-	-	-	-	-	-	-	-	4 41.5 O	

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks			
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				N	E	Z
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s				s	s	s
7	Penghu	21	P	01	15	55.3	—	—	—	—	—	—	—	—	—	—	0	144 E. Mariana Is. region. h=100km. (d)			
	Ilan		e	16	39.9	—	—	—	—	—	—	—	—	—	—	—	4		28.1		
	Taipei		P		41.3	—	—	—	—	—	—	—	—	—	—	—	4		22.8		
	Hwalien		P		42.0	—	—	—	—	—	—	—	—	—	—	—	3		46.3		
	Hsinkong		e		42.5	—	—	—	—	—	—	—	—	—	—	—	3		44.1		
	Tawu		P		45.6	—	—	—	—	—	—	—	—	—	—	—	4		36.3		
	Taitung		iP		46.5	—	—	—	—	—	—	—	—	—	—	—	—		—		
	Hengchun		P		46.5	—	—	—	—	—	—	—	—	—	—	—	4		28.7		
	Hsinchu		P		47.7	—	—	—	—	—	—	—	—	—	—	—	4		45.7		
	Alishan		P		48.3	—	—	—	—	—	—	—	—	—	—	—	4		40.7		
Tainan		e		49.3	—	—	—	—	—	—	—	—	—	—	—	—	—				
				56.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
8	Hwalien	23	P	23	13	16.1	+	?	+ 5.6	—	?	+4900	+4600	+ 700	—	—	—	03.5	24 N. 121.8 E. 24km. ENE. of Hwalien h=20km. (s)		
	Ilan		P		25.4	—	—	—	—	—	—	+ 124	+ 154	?	1.8	1.8	—	09.5			
	Taichung		iP		26.7	—	—	—	—	—	—	169	213	109	1.2	1.4	1.4	12.0			
	Hsinkong		e		26.9	—	1.0	+ 10.0	—	1.6	—	—	—	—	—	—	—	13.0			
	Alishan		e		27.6	—	—	—	—	—	—	—	—	—	—	—	—	11.5			
	Hsinchu		P		29.0	—	—	—	—	—	—	—	—	—	—	—	—	13.6			
	Taipei		P		30.5	—	—	—	—	—	—	—	—	—	—	—	—	12.9			
	Tainan		P		40.5	—	—	—	—	—	—	—	—	—	—	—	—	20.0			
	Taitung		e		40.5	—	—	—	—	—	—	—	—	—	—	—	—	13.9			
	Penghu		P		42.6	—	—	—	—	—	—	—	—	—	—	—	—	22.2			
Tawu		P		45.8	—	—	—	—	—	—	—	—	—	—	—	—	24.9				
Hengchun		P		48.6	—	—	—	—	—	—	—	—	—	—	—	—	32.2				
9	Taipei	26	P	06	45	14.5	—	—	—	—	—	—	—	—	—	—	9	—	41 N. 31 E. Bolu Province of Turkey. (d)		
	Ilan		e		—	—	—	—	—	—	—	—	—	—	—	—	9	43.0			
	Hwalien		e		24.6	—	—	—	—	—	—	—	—	—	—	—	9	42.7			
	Tawu		P		24.9	—	—	—	—	—	—	—	—	—	—	—	9	39.6			
	Hsinkong		e		26.7	—	—	—	—	—	—	—	—	—	—	—	9	57.0			
	Hengchun		e		40.2	—	—	—	—	—	—	—	—	—	—	—	9	28.0			
	Tainan		e		43.0	—	—	—	—	—	—	—	—	—	—	—	—	—			
10	Hwalien	28	e	05	56	58.2	—	—	—	—	—	—	—	—	—	—	—	—	25 N. 95 E.		

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks										
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				N	E	Z							
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s				s	s	s							
10	Taipei	28	e	05	57	30.6	—	—	—	—	—	—	—	—	—	—	—	—	4	10.0	O	Pakistan Burma Border.						
11	Hwalien	28	P	13	54	26.4	—	—	—	+	158	+ 191	—	0.9	0.8	—	—	—	—	—	—	08.6	II	24km. SE. of Hwalien. (I)				
	Hsinkong		e		31.2	—	—	—	—	—	64	26	25	0.4	0.3	0.4	—	—	—	—	—	09.3	I	(I)				
	Taichung		P		35.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
	Alishan		e		35.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.8	O			
	Ilan		e		36.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	O		
	Hengchun		e		39.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Hsinchu		P		40.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.3	O	
	Taitung		e		44.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07.5	O
12	Hsinkong	29	iP	08	59	49.9	—	5.2	+ 16.7	+	?	248	687	—	0.9	0.7	—	—	—	—	—	—	02.5	III	231 N. 121.2 E. 10km. WSW. of Hsinkong (s)			
	Taitung		P		53.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.64	O	
	Alishan		iP		58.9	—	2.2	+ 8.2	?	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.91	O	
	Tawu		P	09	00	01.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.93	O
	Tainan		P		07.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6	O
	Hwalien		P		10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1	I
	Kaohsiung		P		11.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.8	O
	Taichung		e		12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	O
	Hengchun		e		12.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.4	O
	Ilan		e		20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.2	O
Hsinchu		P		30.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.7	O	

Major Earthquakes which Occurred in June, 1957.

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks												
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				N	E	Z									
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s				s	s	s									
1	Hwalien	5	P	23	59	08.4	—	—	—	4.5	—	530	—	405	—	—	—	—	—	—	—	—	—	—	—	—	—	03.2	III	18km. S. of Hwalien (I)
	Hsinkong		e		18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1	O	
	Taichung		P		20.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.0	O	
	Taipei		e		23.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.6	O	
2	Ilan	6	e	19	54	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	58.2	O	Molucca
3	Kaohsiung	11	P	18	50	42.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.9	O	Near coast of Luzon.

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s				m
3	Tainan	11	P	18	50	48.0	-	-	-	-	-	-	-	-	-	55.7	0	Philippines 18.6 N. 120.1 E.	
	Hengchun		iP	32.9	+ 26.3	+ 14.7	-	-	-	286	348	-	3.9	3.9	-	43.4	0		
	Tawu		iP	38.1	+ 25.3	-	-	-	98	114	-	4.2	1.6	-	46.5	0			
	Hsinkong		e	51.1	-	-	-	-	152	122	-	5.5	5.1	-	59.0	0			
	Alishan		P	53.4	+ 3.3	- 1.2	-	-	120	141	-	-	-	-	1	02.3	0		
	Hwalien		iP	51	03.0	+ 23.5	+ 5.0	+ 27.6	- 220	+ 185	- 130	4.9	5.5	2.2	1	05.2	0		
	Taichung		P	03.9	+	+	+	-	237	226	136	5.7	4.4	3.2	1	10.9	0		
	Hsinchu		e	11.4	-	-	-	-	-	-	-	-	-	-	1	11.5	0		
	Ilan		iP	14.5	+ 27.0	-	-	2.8	+ 191	+ 171	-	1.9	1.9	-	1	14.9	0		
	Taipei		iP	15.2	+ 2.5	-	+	14.0	-	-	-	-	-	-	1	23.0	0		
Penghu		P	57.5	-	-	-	-	-	-	-	-	-	-	-	58.5	0			
4	Taipei	12	P	08	33	47.2	-	-	-	-	-	-	-	-	4	27.3	0	Japan.	
5	Taipei	13	e	10	50	15.9	-	-	-	-	-	-	-	-	7	40.0	0	51N. 175W. Alautian.	
	Hwalien		P	16.3	-	-	-	-	-	-	-	-	-	-	-	0	0		
	Hsinkong		e	22.0	-	-	-	-	-	-	-	-	-	-	8	00	0		
	Ilan		e	30.8	-	-	-	-	-	-	-	-	-	-	-	0	0		
6	Taitung	22	P	14	34	42.7	- 2.4	+ 4.1	-	-	-	-	-	-	-	02.6	III	22.9 N. 121.1 E. 20km. NNE. of Taitung (s)	
	Hsinkong		iP	45.1	+ 9.1	+ 5.5	+ 13.9	138	283	111	1.2	1.2	0.9	-	04.9	II			
	Tawu		P	49.5	-	-	-	28	32	-	0.9	-	-	-	07.5	0			
	Tainan		P	54.5	-	-	-	-	-	-	-	-	-	-	07.5	0			
	Alishan		e	56.3	-	-	-	-	-	-	-	-	-	-	11.1	0			
	Hengchun		e	59.1	-	-	-	-	-	-	-	-	-	-	14.9	0			
	Hwalien		P	35	04.1	-	-	-	70	65	45	2.2	2.3	2.1	13.8	I			
	Taichung		P	07.6	-	-	-	-	-	-	-	-	-	-	17.7	0			
	Ilan		e	11.9	-	-	-	-	-	-	-	-	-	-	24.3	0			
	Taipei		e	30.0	-	-	-	-	-	-	-	-	-	-	22.4	0			
Hsinchu		e	36	28.8	-	-	-	-	-	-	-	-	-	28.1	0				
7	Tawu	22	P	23	56	22.2	-	-	-	44	68	-	1.9	1.9	-	5	08.6	0	1 1/2 S. 137 E. Near north Coast of New Guinea
	Hengchun		e	22.2	-	-	-	-	-	-	-	-	-	-	4	24.8	0		
	Hsinkong		e	26.8	-	-	-	53	48	-	12.8	15.0	-	5	23.0	0			
	Ilan		P	30.8	-	-	-	-	-	-	-	-	-	-	-	0	0		

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks		
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z					
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s				m	s
7	Hwalien	22	iP	23	56	36.1	- 7.0	- 3.7	-	+	75	- 70	-	15.5	10.0	-	3	40.9	0	56 N. 116 E. Northeast of Lake Baikal. U. S. S. R. (d)
	Hsinchu		e	36.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Alishan		e	38.7	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Tainan		e	40.1	-	-	-	-	-	-	-	-	-	-	-	5	10.8	0		
	Taipei		e	41.6	-	-	-	-	-	600	1000	660	16.0	16.0	22.0	5	08.4	0		
	Taichung		e	52.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Taitung		P	30.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Kaohsiung		P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
8	Hsinchu	27	e	00	16	01.0	-	-	-	-	-	-	-	-	-	-	-	0	56 N. 116 E. Northeast of Lake Baikal. U. S. S. R. (d)	
	Taipei		iP	02.0	- 30.0	+ 30.0	+ 16.0	-	-	-	-	-	-	-	-	-	04	56.5		0
	Alishan		e	04.7	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Hwalien		P	12.5	-	-	-	-	-	-	-	-	-	-	-	-	3	53.1		0
	Tawu		P	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Taitung		e	18.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	Hengchun		e	23.2	-	-	-	-	-	-	-	-	-	-	-	5	16.3	0		
	Penghu		e	33.1	-	-	-	-	-	-	-	-	-	-	-	5	59.7	0		
Kaohsiung		e	36.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
Tainan		e	37.4	-	-	-	-	-	-	-	-	-	-	-	5	11.0	0			

地震季報

第四卷 第三號

中華民國四十六年七、八、九月

THE SEISMOLOGICAL BULLETIN

OF

TAIWAN WEATHER BUREAU

for

July-September 1957.

VOL. 4, No. 3

臺灣省氣象所

Published by Department of Seismology,

TAIWAN WEATHER BUREAU.

64, Kung Yuan Road, Taipei, Taiwan

China.

GENERAL ASPECT OF EARTHQUAKES

July to September, 1957.

In July, the number of occurrence of earthquakes was amounted up to a figure of one hundred and six, and has an increase in comparison to the month of June. Among them, eleven were classified as felt earthquakes and the remains were unfelt ones. Among these felt earthquakes, one was classified as remarkable earthquakes, its epicenter was estimated at 245N.122.6 E. And one was classified Moderate earthquakes, and its epicenter was reported at 225 N. 122.4 E. And the remains were local earthquakes.

Seven distant earthquakes were recorded by the seismographs in this month. They were occurred in India-Burma Border, Northern Iran Batan Is., Tonga Is. region, Kermadec Is., Aleutian, Mexico respectively.

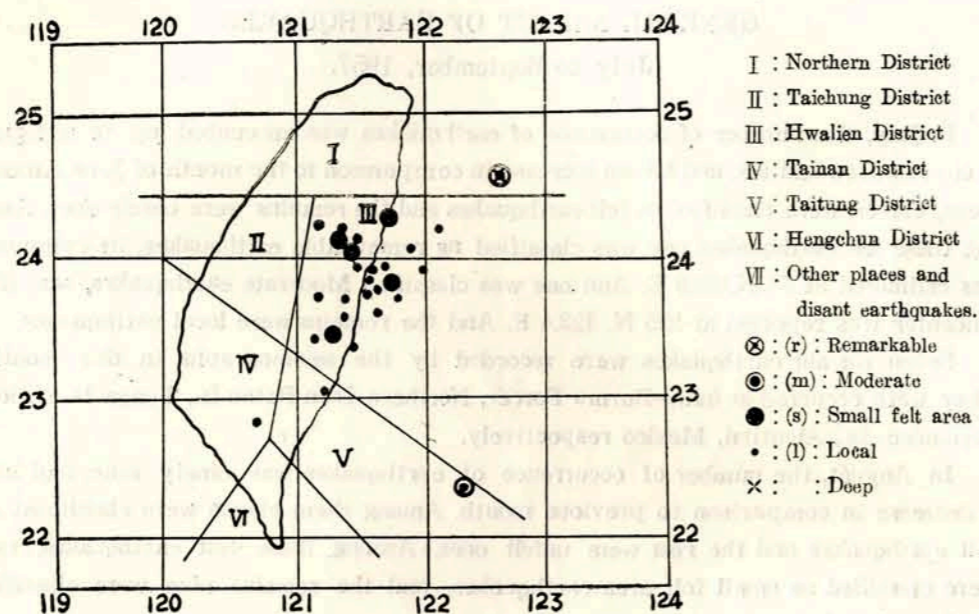
In August, the number of occurrence of earthquakes was ninety nine. and has a decrease in comparison to previous month. Among them eleven were classified as felt earthquakes and the rest were unfelt ones, Among these felt earthquakes, two were classified as small felt area earthquakes, and the remains nine were classified local earthquakes.

Six distant earthquakes recorded at Taiwan in this month, Their epicenters were reported at New Guinea, Alebes sea, Philippines Is., New Britain, Batan Is., Respectively.

In September, eighty-one earthquakes were recorded, seven of them were classified as felt earthquakes and the remains were unfelt ones, These earthquakes of felt ones, in this month one was small felt area earthquake, and the rest were classified as local earthquakes.

Seven distant earthquakes were reported at Taiwan. Among them three were. happened at Spice Is. two were occurred in Fiji Is., one in Mindanao, Philippines, and an other one was in Honshu Japan.

Epicenters of Felt Earthquakes in July to September, 1957



Number of earthquakes classified according to its magnitude and districts July to September 1957

Districts	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Classification	Remarkable	Moderate	Small felt area	Local		
Northern District	1	—	—	1	2	38	40
Taichung "	—	—	—	—	—	3	3
Hwalien "	—	—	5	19	24	44	68
Tainan "	—	—	—	1	1	3	4
Taitung "	—	1	—	1	2	137	139
Hengchun "	—	—	—	—	—	6	6
Other places "	—	—	—	—	—	27	27
Total	1	1	5	22	29	258	287

Felt Earthquakes in the month of July, to September 1957.

No.	Month	P. M. T.			Magnitude	Epicenter	Latitude		Longitude		Depth
		G.	M.	T.			N.	E.	kms		
96	July	11	14	21	1	30km. NE. of Hwalien.	—	—	—	—	0
97	"	12	22	13	m	124km SE. of Hsiakong.	22 1/2	122.4	—	—	20
98	"	13	01	42	s	30km. NNE. of Hwalien	24.2	121.8	—	—	20
99	"	16	18	29	1	40km. E. of Hwalien	—	—	—	—	20
100	"	19	13	02	s	87km. ESE. of Ilan.	24 1/2	122.6	—	—	20
101	"	19	21	43	1	29km. SE. of Hwalien	—	—	—	—	0
102	"	19	22	01	1	Near Hwalien.	—	—	—	—	—
103	"	20	21	01	1	40km. NNE of Hsinkong	—	—	—	—	0
104	"	22	07	03	s	18km. SE. of Hwalien	23.9	121.8	—	—	20
105	"	22	16	53	1	Near Hwalien	—	—	—	—	—
106	"	24	05	33	1	30km. SSE. of Hwalien.	—	—	—	—	0
107	Aug.	06	12	11	1	Near Hwalien.	—	—	—	—	—
108	"	08	15	13	1	Near Taipei	—	—	—	—	—
109	"	10	22	43	1	Near Hsinkong	—	—	—	—	—
110	"	11	09	24	1	34km SW. of Hwalien.	—	—	—	—	20
111	"	13	15	51	s	34km. N. of Hsinkong.	23.4	121.4	—	—	0
112	"	20	10	54	1	Near Hwalien	—	—	—	—	—
113	"	23	05	20	1	57km. ENE. of Hwalien	—	—	—	—	40
114	"	23	06	17	1	66km. ESE. of Tainan	—	—	—	—	0
115	"	23	11	42	s	19km. NW. of Hwalien	24.1	121 1/2	—	—	0
116	"	28	08	16	1	26km. NNW. of Hwalien.	—	—	—	—	0
117	"	28	11	30	1	35km. NW. of Hwalien	—	—	—	—	0
118	Sept.	03	13	42	1	58km. SSE. of Hwalien	—	—	—	—	0
119	"	05	03	22	1	Near Hwalien.	—	—	—	—	—
120	"	08	05	40	s	25km. WNW. of Hwalien.	24.1	121.4	—	—	0
121	"	19	05	44	1	30km. SSW. of Hwalien.	—	—	—	—	0
122	"	19	14	45	1	65km. SSW. of Hwalien.	—	—	—	—	0
123	"	20	17	45	1	15km. NE. of Hwalien	—	—	—	—	0
124	"	26	08	55	1	22km. SSW. of Hwalien	—	—	—	—	0

Unfelt Earthquakes in the month of July to September 1957.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
927	June	30	20	44	Near Hsinkong.	960	"	13	11	36	Taitung District.
928	July	01	15	39	Tainan District.	961	"	13	16	16	Near Hsinkong.
929	"	01	19	36	25°N. 94°E. Burma	962	"	13	19	16	Northern District.
930	"	02	00	52	36N. 53E. Iran.	963	"	14	06	36	27 1/2 S. 177W. Tonga Is.
931	"	02	14	30	Near Tawu.	964	"	14	08	22	30S. 177W. Kernadec Is.
932	"	02	19	15	Near Hsinkong	965	"	14	09	58	Near Hsinkong
933	"	02	22	37	"	966	"	14	19	19	"
934	"	04	11	36	Northern District.	967	"	15	02	03	Near Hwalien
935	"	04	20	00	Near Hwalien	968	"	15	12	04	"
936	"	05	10	33	Near Hsinkong	969	"	15	12	08	36km. E. of Taitung.
937	"	06	03	01	30km. NNW. of Hwalien.	970	"	15	20	32	Near Hwalien
938	"	06	05	54	Near Hwalien.	971	"	16	01	18	140km. ESE. of Ilan.
939	"	07	12	55	Near Hsinkong.	972	"	16	02	41	Tainan District.
930	"	08	03	46	Near Hwalien.	973	"	16	22	21	Near Hsinkong.
941	"	08	10	14	Near Hsinkong.	974	"	17	10	48	Near Hwalien
942	"	08	12	32	"	975	"	17	11	20	"
943	"	08	15	42	55km. SE. of Ilan.	976	"	18	02	48	Near Hengchun.
944	"	08	18	05	Northern District.	977	"	18	12	10	Taitung District.
945	"	08	18	26	60km. ESE. of Ilan.	978	"	18	16	33	75km. ESE. of Hwalien.
946	"	09	09	39	Near Hsinkong.	979	"	18	21	44	Tainan District.
947	"	09	21	12	"	980	"	19	04	22	140km. E. of Hwalien
948	"	10	09	34	"	981	"	19	07	29	Near Hsinkong
949	"	10	13	17	20.2N. 122.7 E. Bajan.	982	"	19	07	55	"
950	"	10	16	43	Hwalien District.	983	"	19	13	18	Near Ilan. aftershock
951	"	10	21	33	"	984	"	19	13	51	"
952	"	12	01	09	Northern District.	985	"	20	00	10	Near Hsinkong
953	"	12	04	25	Near Hsinkong.	986	"	20	23	40	Near Hwalien.
954	"	12	06	22	Taitung District.	987	"	21	12	34	Near Taitung.
955	"	12	06	58	Near Hsinkong.	988	"	22	05	34	Northern District.
956	"	12	12	02	"	989	"	22	06	10	Hengchun District.
957	"	12	22	24	130Km. ESE. of Hengchan.	990	"	22	12	50	Near Hsinkong.
958	"	13	03	07	Hwalien District.	991	"	23	01	00	Alentian Is.
959	"	13	05	02	Near Hsinkong.	992	"	23	15	49	Northern District.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
993	July	23	16	21	Near Hsinkong.	1027	"	04	00	46	35km. NNW. of Hsinkong.
994	"	23	22	27	Taitung District.	1028	"	04	00	52	(d)
995	"	24	01	24	Near Hsinkong.	1029	"	04	03	12	Near Hsinkong.
996	"	24	17	01	"	1030	"	04	05	14	"
997	"	24	19	51	60km. E. of Hwalien.	1031	"	04	11	52	"
998	"	25	17	48	Taitung District.	1032	"	04	20	26	"
999	"	25	18	38	Northern District.	1033	"	05	02	33	120km. SW. of Hengchun.
1000	"	25	18	56	"	1034	"	05	13	31	Northern District
1001	"	25	19	05	170km. East of Taipei.	1035	"	06	09	04	Taitung District.
1002	"	25	19	24	23N. 125E.	1036	"	06	12	15	Near Hwalien.
1003	"	25	19	59	Hwalien. District.	1037	"	06	17	25	Near Hsinkong.
1004	"	25	22	19	Near Hsinkong.	1038	"	06	17	48	30km. NNE. of Alishan.
1005	"	26	11	11	"	1039	"	06	17	54	Near Hsinkong
1006	"	26	17	29	Northern District.	1040	"	06	20	04	Nwalien District.
1007	"	26	23	32	"	1041	"	06	23	24	Near Hsinkong.
1008	"	28	09	00	Mexico 17N. 99W.	1042	"	07	04	50	Northern District.
1009	"	28	16	00	Near Hsinkong.	1043	"	07	10	11	"
1010	"	29	01	06	"	1044	"	07	12	00	Near Hsinkong
1011	"	29	04	22	"	1045	"	07	14	03	Northern district.
1012	"	29	04	25	"	1046	"	08	15	03	"
1013	"	29	05	25	"	1047	"	08	19	51	480km. E. of Taipei.
1014	"	29	13	51	"	1048	"	09	02	36	New Guinea.
1015	"	29	18	01	"	1049	"	09	02	59	Near Hsinkong.
1016	"	30	00	16	165km. ENE of Hwalien	1050	"	09	03	11	"
1017	"	30	01	32	24 1/2 N 121.9E.	1051	"	09	03	13	"
1018	"	30	02	59	Near Hsinkong.	1052	"	09	15	27	"
1019	"	30	08	19	"	1053	"	10	19	17	Celebes Sea.
1020	"	30	08	28	Taitung	1054	"	11	09	48	Hwalien District.
1021	"	31	21	19	Near Hsinkong	1055	"	11	09	52	Near Hsinkong.
1022	"	01	07	18	Taitung.	1056	"	12	01	02	Near Tawu.
1023	"	01	17	36	Near Hsinkong.	1057	"	12	23	56	47km. SSW. of Hwalien.
1024	"	02	09	06	"	1058	"	13	07	17	Taitung District.
1025	"	02	11	17	96km. ESE. of Hengchun.	1059	"	13	08	33	Near Hsinkong.
1026	"	03	04	51	Taitung District.	1060	"	13	16	00	"

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.				d.	h.	m.	
1061	"	13	22	19	Near Hsinkong	1095	"	28	23	26	21N. 145E. mariana.
1062	"	13	23	08	"	1096	"	28	23	50	Taitung District.
1063	"	14	07	57	55km SE. of Hwalien.	1097	"	28	23	55	"
1064	"	16	07	43	Near Hsinkong	1098	"	28	00	17	"
1065	"	16	10	32	Taitieng District.	1099	"	29	01	26	Near Hsinkong.
1066	"	17	07	19	(d)	1100	"	29	05	95	"
1067	"	18	08	26	Philippine Is.	1101	"	29	06	00	82km. ENE. of Hwalien.
1068	"	19	01	35	Near Hsinkong.	1102	"	29	17	53	Near Hsinkong.
1069	"	19	08	40	"	1103	"	29	19	33	"
1070	"	20	03	27	Near Taipei.	1104	"	30	01	00	Near Hwalien.
1071	"	20	10	48	Taitung District.	1105	"	30	02	51	"
1072	"	20	14	39	Near Hsinkong.	1106	"	30	12	40	Northern District.
1073	"	21	15	39	"	1107	"	30	20	05	Near Batan Islands.
1074	"	21	15	51	Taitung District.	1108	"	32	08	04	Taitung District.
1075	"	22	14	03	"	1109	"	31	16	17	Near Hsinkong
1076	"	22	17	00	Northern district	1110	"	31	19	56	"
1077	"	22	17	25	"	1111	Sept	01	02	14	"
1078	"	22	17	34	"	1112	"	01	20	44	"
1079	"	22	18	07	"	1113	"	02	03	17	Taichung District
1080	"	23	02	08	New Britain aftershock.	1114	"	03	08	21	Near Ilan.
1081	"	23	14	07	Near Hwalien.	1115	"	03	11	10	Near Hsinkong.
1082	"	23	21	23	Near Hsinkong.	1116	"	04	11	30	"
1083	"	24	08	27	Taitung District.	1117	"	04	12	30	Northern District.
1084	"	24	08	43	Near Hsinkong.	1118	"	04	18	32	Hear Taipei.
1085	"	25	01	13	70km. E. of Ilan.	1119	"	05	02	59	126km. E. of Hwalien.
1086	"	26	12	50	Northern District.	1120	"	05	05	54	Near Hsinkong.
1087	"	26	13	58	Near Hsinkong.	1121	"	05	07	35	"
1088	"	26	14	48	Hwalien District.	1122	"	05	12	21	"
1089	"	26	20	07	"	1123	"	05	23	05	45km. SE. of Hwalien.
1090	"	27	11	56	Near Hsinkong.	1124	"	06	00	26	Near Hsinkong.
1091	"	28	02	30	"	1125	"	08	16	01	"
1092	"	28	04	58	74km. East of Taitung.	1126	"	08	21	29	"
1093	"	28	08	31	Near Hsinkong.	1127	"	10	21	57	Taitung District.
1094	"	28	18	44	"	1128	"	11	08	36	Near Hsinkong.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.				d.	h.	m.	
1129	Sept	12	02	53	Near Hsinkong	1157	"	25	15	54	Taitung District.
1130	"	12	03	36	Taitung District.	1158	"	26	09	15	Near Hwalien.
1131	"	12	07	19	Near Hsinkong.	1159	"	26	13	00	Near Hsinkong.
1132	"	12	15	09	58km. SE. of Hwalien.	1160	"	26	16	43	"
1133	"	13	13	52	Northern District.	1161	"	26	21	18	"
1134	"	13	13	54	"	1162	"	27	00	25	70km. SE. of Hengchun.
1135	"	13	23	49	"	1163	"	27	02	12	Near Hsinkong.
1136	"	15	04	57	"	1164	"	27	03	27	"
1137	"	16	09	44	"	1165	"	27	04	13	Spice Is IS. 127 E.
1138	"	16	11	29	"	1166	"	27	04	24	"
1139	"	16	14	56	Near Ilan.	1167	"	27	06	02	"
1140	"	16	15	09	Northern District.	1168	"	27	06	07	Taitung District.
1141	"	18	09	15	Near Hsinkong.	1169	"	27	08	36	56km. SSE. of Hwalien
1142	"	18	20	26	"	1170	"	27	14	06	Near Alishan.
1143	"	19	03	21	"	1171	"	27	14	22	80km. SE. of Hwalien
1144	"	19	16	59	"	1172	"	27	14	24	"
1145	"	19	17	29	"	1173	"	28	00	31	South Coast of Honshu. Japan.
1146	"	19	17	33	"	1174	"	28	14	30	Yiji Is. (d)
1147	"	20	12	06	65km. E. of Hwalien.	1175	"	29	01	12	Near Hsinkong.
1148	"	20	13	32	Hwalien District.	1176	"	29	08	18	Near Hwalien.
1149	"	20	13	33	Northern District.	1177	"	29	08	24	Yiji Is. (d)
1150	"	20	16	42	Near Hsinkong.	1178	"	29	20	19	Near Hsinkong
1151	"	20	17	09	"	1179	"	30	02	01	"
1152	"	20	20	56	Near Hwalien.	1180	"	30	04	16	"
1153	"	22	15	56	Near Hsinkong.	1181	"	30	06	11	"
1154	"	24	08	25	Near S. Coast of mindanao	1182	"	30	18	14	Near Hwalien
1155	"	24	17	27	Taitung District.	1183	"	30	18	50	Near Hsinkong
1156	"	25	14	53	Hwalien District.						

Major Earthquakes which Occurred in July, 1957.

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z			
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s			
1	Tainan	1	P	19	35	33.7	-	-	-	-	-	-	-	-	-	4	23.6	O India Burma border 25.N. 94E.
	Taichung	P	19	35	38.6	-	-	-	-	-	-	-	-	-	-	-	-	
	Alishan	P	19	35	41.0	-	-	-	-	-	-	-	-	-	-	-	-	
	Hengchung	P	19	35	41.1	-	-	-	-	-	-	-	-	-	-	4	18.1	
	Kaohsiung	e	19	35	42.1	-	-	-	-	-	-	-	-	-	-	-	-	
	Taipei	P	19	35	42.4	-	-	-	-	-	-	-	-	-	-	4	22.8	
	Hwalien	P	19	35	45.0	-	-	-	-	73 +	42	-	17.5	10.0	-	4	22.3	
	Hsinkong	e	19	35	45.5	-	-	-	-	-	-	-	-	-	-	-	-	
	Taitung	P	19	35	47.6	-	-	-	-	-	-	-	-	-	-	-	-	
	Tawu	P	19	35	49.1	-	-	-	-	-	-	-	-	-	-	4	13.2	
2	Tainan	2	e	00	52	25.6	-	-	-	-	-	-	-	-	-	-	-	O Northern Iran 36N. 53E.
	Alishan	e	00	52	30.2	-	-	-	-	-	-	-	-	-	-	-	-	
	Taichung	P	00	52	30.7	-	-	-	-	-	-	-	-	-	-	-	-	
	Taipei	P	00	52	30.8	+ 10.0	-	17.5	-	-	-	-	-	-	-	8	04.3	
	Hwalien	e	00	52	31.3	-	-	-	-	-	-	-	-	-	-	8	09.0	
	Ilan	e	00	52	33.0	-	-	-	-	-	-	-	-	-	-	7	58.2	
	Hsinkong	e	00	52	33.8	-	-	-	-	-	-	-	-	-	-	8	16.7	
	Hengchung	e	00	52	35.2	-	-	-	-	-	-	-	-	-	-	8	13.1	
	Tawsu	P	00	52	39.2	-	-	-	-	-	-	-	-	-	-	-	-	
	Taitung	e	00	53	26.8	-	-	-	-	-	-	-	-	-	-	-	-	
3	Kaohsiung	10	P	13	16	30.2	-	-	-	-	-	-	-	-	-	-	35.2	O Batan Is. N.20.2 E.122.7 (d)
	Hengchung	e	13	16	38.1	-	-	-	-	-	-	-	-	-	-	-	44.0	
	Hsinkong	e	13	16	45.5	-	-	-	-	-	-	-	-	-	-	-	36.2	
	Taitung	P	13	16	48.9	-	-	-	-	-	-	-	-	-	-	-	51.8	
	Hwalien	e	13	17	00.6	-	-	-	-	-	-	-	-	-	-	-	-	
	Tainan	e	13	17	07.4	-	-	-	-	-	-	-	-	-	-	1	02.2	
	Ilan	e	13	17	09.4	-	-	-	-	-	-	-	-	-	-	1	03.0	
	Taipei	e	13	17	12.5	-	-	-	-	-	-	-	-	-	-	-	37.6	
	Tawu	P	13	17	35.8	-	-	-	-	-	-	-	-	-	-	-	-	
	Taichung	e	13	17	46.6	-	-	-	-	-	-	-	-	-	-	-	-	

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks			
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z						
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s				m	s	
4	Hsinkong	12	ip	22	13	16.7	-	2.3	+ 3.0	-	4.1	64	107	44	1.0	1.2	1.0	15.1	I 22 1/2 N 122.4 E 124 km. SE of Hsinkong h=20 (r)		
	Tawu	P	20.1	-	-	-	24	27	-	-	2.6	-	-	-	-	-	13.1				
	Taitung	P	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9				
	Hengchung	e	21.7	-	-	-	-	-	-	-	-	-	-	-	-	-	25.3				
	Hwalien	P	28.4	-	-	-	55 +	65 +	65	2.5	2.0	2.0	2.0	2.0	2.0	2.0	20.7				
	Alishan	e	30.0	-	-	-	98	74	-	0.7	0.5	-	-	-	-	-	22.9				
	Taichung	P	37.2	-	-	-	208	187	58	1.7	1.7	2.0	2.0	2.0	2.0	2.0	29.3				
	Taipei	ip	40.8	+ 5.0	-	2.7	-	-	-	-	-	-	-	-	-	-	33.9				
	Tainan	P	34.1	-	-	-	-	-	-	-	-	-	-	-	-	-	17.2				
	Ilan	e	37.8	-	-	-	-	-	-	-	-	-	-	-	-	-	29.0				
Hsinchu	e	43.0	-	-	-	-	-	-	-	-	-	-	-	-	-	30.6					
5	Hwalien	13	ip	01	42	39.5	-	2.4	-	1.0	-	13.0	27	37	-	-	-	04.7	II 24.2 N. 121.8 E. 30 km. NNE. of Hwalien h=20 (r)		
	Ilan	e	46.0	-	-	-	+ 56	+ 67	-	1.8	1.7	-	-	-	-	-	09.0				
	Taichung	ip	50.2	-	-	-	74	89	4.9	0.5	0.5	0.4	0.4	0.4	0.4	0.4	12.4				
	Alishan	e	50.8	-	-	-	-	-	-	-	-	-	-	-	-	-	12.9				
	Hsinchu	e	50.8	-	-	-	-	-	-	-	-	-	-	-	-	-	15.3				
	Hsinkong	e	51.1	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8				
	Taipei	e	52.1	-	-	-	-	-	-	-	-	-	-	-	-	-	10.1				
	Tainan	e	43	00.8	-	-	-	-	-	-	-	-	-	-	-	-	22.6				
	6	Hengchung	14	e	06	35	30.1	-	-	-	-	-	-	-	-	-	-	9		32.2	O 27.S. 177 W. Tonga Is. region (d)
		Hwalien	e	06	35	35.7	-	-	-	-	-	-	-	-	-	-	-	-			
Ilan		P	06	35	37.0	-	-	-	-	-	-	-	-	-	-	-	-				
Taipei		P	06	35	38.9	-	-	-	-	-	-	-	-	-	-	9	29.0				
7	Hengchung	14	e	08	22	55.0	-	-	-	-	-	-	-	-	-	-	-	10	04.0	O 30.S. 177 W. near Kermadec Is. (d)	
	Taipei	e	22	59.5	-	-	-	-	-	-	-	-	-	-	-	-	-	10	19.5		
	Ilan	e	23	00.3	-	-	-	-	-	-	-	-	-	-	-	-	-	10	24.3		
8	Ilan	19	ip	13	02	33.3	-	10.7	+ 52.6	-	10.8	-	-	-	-	-	-	09.7	IV 24 1/2 N. 122 1/2 E. 87 km. ESE. of Ilan. h=20 km. (m)		
	Taipei	ip	35.5	-	2.6	+ 5.3	-	16.9	1080	1023	-	0.7	0.6	-	-	-	13.8				
	Hwalien	ip	37.1	-	16.5	-	3.5	+116.0	-3900	-8600	-1600	-	-	-	-	-	04.1				
	Hsinchu	ep	40.2	-	-	-	-	+1200	-1300	-	1.0	0.9	-	-	-	-	16.6				
	Hsinkong	ip	44.4	-	8.1	-	17.1	+ 40.2	865	725	875	2.5	2.0	2.8	2.8	2.8	23.4				

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				s
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s		
8	Taichung	19	ip	45.8	-	3.0	-	9.0	+	50.0	1311	1175	-	3.1	2.6	-	19.9	II	
	Alishan		ip	48.1	-	-	-	28.1	+	37.5	-	-	-	-	-	-	29.2	II	
	Taitung		P	50.8	-	-	-	-	-	-	-	-	-	-	-	-	08.7	O	
	Tawu		ip	56.6	-	2.7	-	1.2	+	16.0	247	367	182	5.1	-	2.4	3.69	I	
	Tainan		ip	56.9	-	-	-	-	-	-	442	350	-	2.1	2.1	-	40.4	O	
	Penghu		P	57.9	-	-	-	-	-	-	+ 750	+ 300	-	3.4	2.3	-	30.0	O	
	Kaohsiung		P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I	
	Hengchun		ip	04.2	-	16.0	-	10.5	+	22.0	478	442	294	-	-	2.1	37.9	II	
9	Taipei	23	e	02 00	14.0	-	-	-	-	-	-	-	-	-	-	-	10 04.0	O	Alentain
10	Taipei	23	o	09 00	43.2	-	-	-	-	-	-	-	-	-	-	-	13 40.0	O	Mexico

Major Earthquakes which Occurred in August 1957.

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				s
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s		
1	Taipei	4	e	00 52	22.5	-	-	-	-	-	-	-	-	-	-	-	02 43.5	O	New Guinea
2	Taipei	9	e	02 35	49.0	-	-	-	-	-	-	-	-	-	-	-	04 43.0	O	Ditto.
3	Hsinkong	10	e	19 17	05.6	-	-	-	-	-	-	-	-	-	-	-	03 25.3	O	Celebes Sea.
4	Hsinkong	13	ip	15 51	11.7	-	34.4	-	73.3	1164.4	508	500	488	1.2	1.2	1.2	05.0	III	23.4N. 121.4E. 34km. N. of Hsinkong h=5 (s)
	Hwalien		ip	17.1	-	14.1	+	17.1	+	82.1	-	+ 410	-	-	2.1	-	10.8	III	
	Alishan		ip	20.4	-	3.8	+	3.0	-	2.5	283	294	-	0.7	0.5	-	11.8	II	
	Tawu		ip	22.8	-	-	-	-	-	-	65	72	76	1.6	1.9	-	19.9	O	
	Taichung		P	27.5	-	12.0	+	6.0	-	30.0	447	370	336	0.6	0.6	1.0	16.2	I	
	Taitung		ip	28.1	-	-	-	-	-	-	-	-	-	-	-	-	09.3	O	
	Kaohsiung		P	28.6	-	-	-	-	-	-	-	-	-	-	-	-	18.2	O	
	Ilan		P	31.3	-	-	-	-	-	-	-	-	-	-	-	-	19.1	O	
	Tainan		P	31.3	-	-	-	-	-	-	+ 194	+ 193	-	1.9	2.0	-	16.3	O	
	Hengchun		e	31.3	-	-	-	-	-	-	16	141	13	-	-	-	20.6	O	
	Hsinehu		e	33.8	-	-	-	-	-	-	-	-	-	-	-	-	21.7	O	
	Taipei		P	36.8	+	2.0	-	1.0	-	-	-	-	-	-	-	-	22.8	I	
	Penghu		P	32.9	-	-	-	-	-	-	-	-	-	-	-	-	21.1	I	

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks		
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				s	m
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s			
5	Taipei	18	P	08 29	03.0	-	-	-	-	-	-	-	-	-	-	-	01 42.4	O	Philippine	
6	Hwalien	23	e	02 08	14.3	-	-	-	-	-	-	-	-	-	-	-	05 18.8	C	New Britain	
7	Hwalien	23	i	11 42	42.7	+	3.5	-	2.5	-	38.8	16000	13300	+3000	-	-	-	02.5	IV	24.1N. 121 1/2E. 19km. NW. of Hwalien. (s)
	Ilan			51.8	+	3.4	+	7.0	+	5.7	-	+1476	-	-	1.8	-	10.2	II		
	Hsinkong			55.7	-	-	-	-	-	-	178	195	-	3.2	3.2	-	20.0	O		
	Alishan			56.0	-	1.1	-	1.2	+	0.6	-	294	-	-	0.7	2.2	14.4	I		
	Taichung			57.2	-	15.0	+	111.0	-	20.0	2021	885	1131	2.3	2.5	2.2	11.0	II		
	Taipei			57.2	+	4.0	-	8.0	+	6.7	1175	1125	550	2.0	2.0	-	15.0	II		
	Hsinehu			59.0	-	-	-	-	-	-	825	+ 775	-	1.4	1.2	-	12.8	I		
	Taitung			43 05.2	-	-	-	-	-	-	-	-	-	-	-	-	16.0	O		
	Tainan			09.8	-	-	-	-	-	-	-	-	-	-	-	-	22.4	O		
	Pengchu			10.4	-	-	-	-	-	-	+ 275	- 365	-	2.6	2.6	-	23.9	O		
	Tawu			11.9	-	-	-	-	-	-	58	109	91	3.0	3.0	5.5	27.3	O		
	Hengchun			21.0	-	-	-	-	-	-	-	-	-	-	-	-	31.7	O		
	Kaohsiung			23.4	-	-	-	-	-	-	-	-	-	-	-	-	37.6	O		
8	Hengchun	30	e	20 04	35.4	-	-	-	-	-	-	-	-	-	-	-	32.6	O	20 1/2 N. 121 1/2 E. Batan Is. region.	
	Taitung		P	40.5	-	-	-	-	-	-	-	-	-	-	-	-	48.5	O		
	Tawu		P	41.8	-	-	-	-	-	-	-	-	-	-	-	-	27.1	O		
	Hsinkong		e	51.7	-	-	-	-	-	-	-	-	-	-	-	-	35.5	O		
	Tainan		P	58.1	-	-	-	-	-	-	-	-	-	-	-	-	25.9	O		
	Alishan		e	05 08.0	-	-	-	-	-	-	-	-	-	-	-	-	34.3	O		
	Taichung		e	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	O		
	Taipei		e	22.2	-	-	-	-	-	-	-	-	-	-	-	-	50.5	O		

Major Earthquakes which Occurred in September 1957.

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				(G. M. T.)			N	E	Z	N	E	Z	N	E	Z				s
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s		
1	Hwalien	8	P	05 40	00.4	+	13.0	+	48.2	-	+1040	- 950	-	-	-	-	04.5	IV	24.1N. 121.4E. 25km. WNW. of Hwalien. (s) h=5
	Hsinehu		P	13.9	-	-	-	-	-	-	-	-	-	-	-	-	20.4	O	
	Hsinkong		ip	14.0	+	-	1.1	-	1.4	82	137	47	0.7	0.8	0.5	-	13.8	I	
	Ilan		e	15.1	-	-	-	-	-	-	-	-	-	-	-	-	11.1	O	

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G. M. T.)	N	E	Z	N	E	Z	N	E	Z	N	E			
				h. m. s.	μ	η	μ	μ	μ	μ	s	s	s	m	s			
	Taichung		P	15.9	-	-	-	250	342	92	0.6	0.6	0.6	13.1	I			
	Alishan		e	16.4	-	-	-	-	-	-	-	-	-	12.2	O			
	Tainan		P	17.4	-	-	-	-	-	-	-	-	-	41.4	O			
	Taipei		P	19.3	-	-	-	70	80	-	1.0	0.9	-	13.8	O			
	Tawu		P	30.1	-	-	-	13	29	-	1.6	1.6	-	20.6	O			
	Hengshun		e	37.8	-	-	-	-	-	-	-	-	-	27.9	O			
2	Hwalien	19	e	14 46 29.0	-	-	-	118	146	-	0.9	2.4	-	10.0	I	23.7N 121.5E. 65km. SSW. of Hwalien (1)		
	Hsinkong		e	46 24.8	-	-	-	-	-	-	-	-	-	0.61	O			
	Alishan		e	27.7	-	-	-	-	-	-	-	-	-	0.65	I			
	Taitung		P	32.6	-	-	-	-	-	-	-	-	-	10.0	O			
	Taichung		ip	36.2	-	-	-	-	-	-	-	-	-	13.8	I			
	Tainan		P	40.1	-	-	-	-	-	-	-	-	-	16.3	O			
	Hsinchu		e	40.2	-	4.0 +	3.0 -	11.0	92	63	63	1.0	1.0	1.0	18.0	O		
	Ilan		e	45.1	-	-	-	-	-	-	-	-	-	26.3	O			
	Taipei		P	47.6	-	-	-	-	-	-	-	-	-	18.6	O			
	Hengshun		P	49.0	-	-	-	-	-	-	-	-	-	-	-			
3	Hwalien	20	ip	17 46 14.0 +	-	146.0	-	4000	5000	1600	-	-	-	-	IV	24.1N. 121.7E. 15km. NE. of Hwalien (1)		
	Taichung		ip	31.3 +	3.0 +	23.0 -	33.0	318	260	187	2.0	2.0	1.5	11.8	I			
	Alishan		ip	36.1	-	-	-	-	-	-	-	-	-	11.8	I			
	Hsinkong		ep	37.9	-	-	-	-	-	-	-	-	-	12.6	O			
	Taipei		ip	38.0 +	6.5 +	0 +	7.8	328	377	-	1.5	1.5	-	13.8	O			
	Hsinchu		ep	39.4	-	-	-	-	-	-	-	-	-	12.8	O			
	Ilan		P	42.4	-	-	-	-	-	-	-	-	-	10.1	O			
	Taitung		P	47.1	-	-	-	-	-	-	-	-	-	13.8	O			
	Tawu		P	53.0	-	-	-	-	-	-	-	-	-	20.9	O			
	Tainan		ep	53.8	-	-	-	-	-	-	-	-	-	19.5	O			
4	Hengshun	14	P	17 25 23.2	-	-	-	-	-	-	-	-	-	1	23.3	O	5 1/2 N. 127E. near south Coast of Mindanao Philippines (d)	
	Tawu		P	29.4 +	12.7 +	6.5	-	76	142	-	18.8	19.3	-	3	11.5	O		
	Hsinkong		e	33.6	-	-	-	-	-	-	-	-	-	3	29.4	O		
	Taitung		P	35.7	-	-	-	-	-	-	-	-	-	2.84	O			
	Tainan		P	36.4	-	-	-	-	-	-	-	-	-	2	49.6	O		
	Alishan		e	37.9 +	+	-	-	-	-	-	-	-	-	3	35.5	O		

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G. M. T.)	N	E	Z	N	E	Z	N	E	Z	N	E			
				h. m. s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s			
	Ilan			25 48.4	-	-	-	+ 20	+ 147	-	3.8	3.6	-	3	45.4	O		
	Hwalien		P	48.5	-	-	-	- 120	+ 152 +	60	14.4	14.8	17.0	3	4.32	O		
	Taichung		e	50.7	-	-	-	-	-	-	-	-	-	-	-	O		
	Taipei		P	56.2	-	-	-	2818	2586	1540	24.8	23.1	23.0	4	48.1	O		
5	Tainan	27	P	04 12 53.9	-	-	-	-	-	-	-	-	-	5	22.4	O	18. 127E. Spice Is. (d)	
	Tawu		P	13 44.2	-	-	-	-	-	-	-	-	-	4	18.3	O		
	Taitung		P	47.7	-	-	-	-	-	-	-	-	-	-	-	O		
	Hengshun		e	48.6	-	-	-	-	-	-	-	-	-	-	-	O		
	Hsinkong		e	50.8	-	-	-	-	-	-	-	-	-	4	17.5	O		
	Hwalien		P	56.8	-	-	-	-	-	-	-	-	-	4	24.3	O		
	Ilan		e	14 06.0	-	-	-	-	-	-	-	-	-	3	26.4	O		
	Taipei		e	11.8	-	-	-	-	-	-	-	-	-	5	06.9	O		
6	Taitung	27	P	04 24 07.6	-	-	-	-	-	-	-	-	-	-	-	O	Ditto	
	Hsinkong		e	10.8	-	-	-	-	-	-	-	-	-	4	15.2	O		
7	Taitung	27	P	06 02 24.6	-	-	-	-	-	-	-	-	-	-	-	O	Ditto	
	Hsinkong		e	16.8	-	-	-	-	-	-	-	-	-	4	15.2	O		
	Hwalien		e	21.1	-	-	-	-	-	-	-	-	-	-	-	O		
8	Ilan	28	e	00 30 47.2	-	-	-	-	-	-	-	-	-	-	-	O	30 1/2 N. 137E. off south Coast of Honshu. Japan.	
	Hwalien		e	52.0	-	-	-	-	-	-	-	-	-	2	45.0	O		
	Taipei		i	52.5 +	0 +	8.0 -	17.0	-	-	-	-	-	-	2	33.7	O		
	Hsinkong		e	58.8	-	-	-	-	-	-	-	-	-	2	5.08	O		
	Alishan		e	21 00.9	-	-	-	-	-	-	-	-	-	-	-	O		
	Taitung		P	03.9	-	-	-	-	-	-	-	-	-	-	-	O		
	Taichung		e	0.48	-	-	-	-	-	-	-	-	-	-	-	O		
	Tawu		P	0.75	-	-	-	-	-	-	-	-	-	-	-	O		
	Tainan		P	09.3	-	-	-	-	-	-	-	-	-	3	01.0	O		
	Hengshun		e	16.3	-	-	-	-	-	-	-	-	-	-	-	O		
9	Hengshun	28	P	14 29 44.7	-	-	-	-	-	-	-	-	-	-	-	O	20S. 78W. Flji Is. (d)	
	Ilan			30 21.8	-	-	-	-	-	-	-	-	-	5	09.9	O		
	Tawu			32.8	-	-	-	-	-	-	-	-	-	8	40.0	O		
	Hsinkong			34.5	-	-	-	-	-	-	-	-	-	8	40.3	O		

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S		Intensity	Epicenter & Remarks	
				(G. M. T.)	N	E	Z	N	E	Z	N	E	Z	s	m	s				
				h.	m.	s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s			
	Taitung					35.0	-	-	-	-	-	-	-	-	-	-	-	0		
	Taichung					36.6	-	-	-	-	-	-	-	-	-	-	-	0		
	Hwalien					38.7	-	-	-	-	-	-	-	-	-	-	8	40.6	0	
	Alishan					38.8	-	-	-	-	-	-	-	-	-	-	-	0		
	Keelung					42.7	-	-	-	-	-	-	-	-	-	-	-	0		
	Tainan					41.7	-	-	-	-	-	-	-	-	-	-	-	0		
	Taipei					42.4	-	-	-	-	-	-	-	-	-	-	8	4.80	0	
10	Hwalien	29		08	23	50.2	-	-	-	-	-	-	-	-	-	-	8	42.8	0	Ditto (aftershock.)
	Ilan			24	06.2		-	-	-	-	-	-	-	-	-	-	8	49.8	0	
	Taipei				08.2		-	-	-	-	-	-	-	-	-	-	8	47.1	0	



地震季報

第四卷 第四號

中華民國四十六年十、十一、十二月

THE SEISMOLOGICAL BULLETIN

OF

TAIWAN WEATHER BUREAU

for

October to December, 1957.

VOL. IV, No. 4

臺灣省氣象所

Published by Department of Seismology,

TAIWAN WEATHER BUREAU.

64, Kung Yuan Road, Taipei, Taiwan

China.

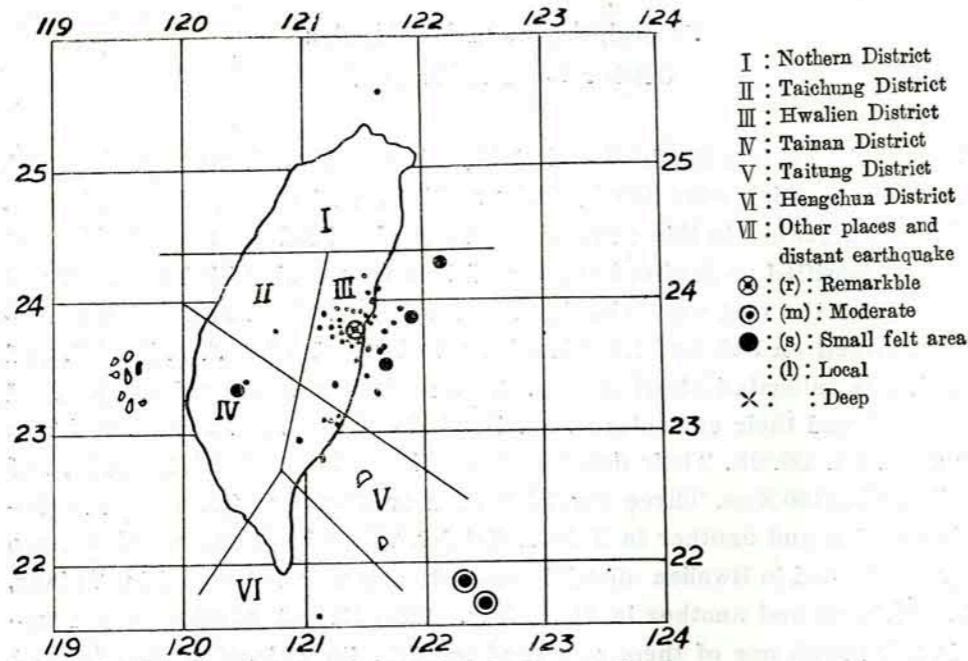
General, Aspect of Earthquakes
October to December 1957

10) In October, two hundred and eighty-nine earthquakes were observed, thirty-three of which were felt by body and the remains were the unfelt ones. The felt earthquakes in this month, one may be classified as remarkable and two were classified as moderate one and three were classified as small felt area ones and the rest were classified as local ones. The remarkable earthquake occurred on 19th and its epicenter was located at 23.7°N , 121.5°E , and its depth was estimated about 10 kms. Two moderate earthquakes occurred both on 25th and their epicenters were located one at 21.8°N , 122.8°E , and the other at 21.9°N , 122.2°E . Their depths were estimated one about 120 kms., and the other about 60 kms. Three small felt area earthquakes two of them occurred in Hualien and another in Tainan district. Those local earthquakes were mostly happened in Hualien district except one was happened in Tainan, one in Taichung and another in Hengchun. Two distant earthquakes recorded in this month one of them occurred on 26th, its epicenter was located near Borneo, and another occurred on 27th and its epicenter was uncertain.

11) In November, one hundred and twenty-four earthquakes were observed, seven of which felt by body were classified as local earthquakes among felt earthquakes four of them, occurred in Hualien and the remain three in, Taitung district. There were eight distant earthquakes recorded in this month two of them occurred on 10th. One of the epicenters was located near Solomon Islands, the other near southern coast of Honshu, and the remains were uncertain.

12) In December, one hundred and nine earthquakes were observed in Taiwan. among them nine were classified as felt earthquakes and the remains were unfelt ones. The felt earthquakes in this month, one of them was classified as small felt area earthquake which occurred on 6th, its epicenter was located at 23.5°N , 121.7°E , and its depth was estimated about 30 kms. The remains were classified as local ones. There were eight distant earthquakes observed in this month in Taiwan. Among them four were recorded as conspicuous. They happened on the date of 4th, 13th, 17th, and 30th. Their epicenters were located at outer Mongolia, Iran, south of Marshall Islands region, and north coast of Luzon.

Epicenters of Felt Earthquakes in October to December, 1957.



Number of earthquakes classified according to it's magnitudes and districts October to Dcember, 1957.

District	Classification Magnitudes	Number of felt earthquakes				Number of unfelt earthquakes	Total	
		Remark-able	Moderate	Small felt area	Local			
Northern District					1	1	22	23
Taichung "					1	1	19	20
Hualien "		1		3	32	36	231	267
Tainan "				1	1	2	5	7
Taitung "			2		6	8	153	161
Hengchun "					1	1	24	25
Other places "							19	19
Total		1	2	4	42	49	473	522

Felt Earthquakes in the month of October to December, 1957.

No.	Month	P. M. T.			Magni- tude	Epicenter	Latitude	Longitude	Depth.
		d.	h.	m.					
125	Oct.	02	15	02	l			Shallow	
126	"	05	05	23	"			"	
127	"	05	16	02	"			"	
128	"	09	05	24	"			"	
129	"	09	11	04	"			20	
130	"	16	17	55	"			20	
131	"	17	01	51	"			20	
132	"	18	17	20	s	23.°4	120.°5	10	
133	"	18	17	23	l			Shallow	
134	"	19	04	58	"			"	
135	"	19	18	29	r	23.°7	121.°5	10	
136	"	19	18	45	l			10	
137	"	19	18	51	"			10	
138	"	19	18	57	"			10	
139	"	19	19	06	"			10	
140	"	19	19	08	"			10	
141	"	19	20	02	"			10	
142	"	19	20	12	"			10	
143	"	19	20	53	"			10	
144	"	19	22	57	"			10	
145	"	20	03	30	"			10	
146	"	20	06	38	s	24.°4	122.°1	20	
147	"	20	07	13	l			20	
148	"	20	07	34	"			10	
149	"	20	16	32	"			10	
150	"	23	20	17	"			10	
151	"	25	01	42	m	21.°8	122.°8	120	
152	"	25	03	16	l			10	
153	"	25	06	19	m	21.°9	122.°2	60	
154	"	25	06	35	l			10	
155	"	28	15	42	"			10	
156	"	28	15	46	"			10	
157	"	29	05	49	s	23.°9	121.°9	20	

No.	Month	P. M. T.)			Magni- tude	Epicenter	Latitude		Longitude	Depth.
		(G.	M.	T.)			N.	E.		
		d.	b.	m.					KMS.	
158	Nov.	06	05	48	1	Near Hsinkong.				10
159	"	07	21	27	"	34km. SW. of Hwalien.				10
160	"	10	10	54	"	48km. NNE. of Hsinkong.				10
161	"	12	00	47	"	Near Hsinkong.				10
162	"	18	22	44	"	42km. SSE. of Hwalien.				10
163	"	19	18	35	"	36km. S. of Hwalien.				20
164	"	24	11	15	"	33km. NW. of Taitung.				10
165	Dec.	04	11	59	"	Near Hsinkong.				Shallow
166	"	06	02	37	"	28km. SSW. of Hwalien.				10
167	"	06	10	54	"	Near Hsinkong.				Shallow
168	"	06	22	54	s	40km. SSE. of Hwalien.	23.°5	121.°7		30
169	"	09	01	37	1	50km. NNE. of Taipei.				Shallow
170	"	17	07	30	"	46km. NNE. of Hsinkong.				"
171	"	19	08	42	"	35km. SSE. of Hwalien.				10
172	"	24	11	45	"	32km. SW. of Hwalien.				10
173	"	30	04	28	"	15km. NE. of Taitung.				10

Unfelt Earthquakes in the month of October to December, 1957.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1185	Oct.	01	08	46	Near Hsinkong.	1198	Oct.	04	00	38	Near Hsinkong.
1186	"	01	15	17	"	1199	"	04	05	45	Hwalien district.
1187	"	02	01	11	48km. ENE. of Hengchun.	1200	"	04	06	31	Near Alishan.
1188	"	02	01	34	Near Hsinkong.	1201	"	04	07	48	Near Hsinkong.
1189	"	02	01	42	"	1202	"	04	15	08	Near Alishan.
1190	"	02	06	52	Near Alishan.	1203	"	06	06	03	Near Hsinkong.
1191	"	02	11	09	Near Hwalien.	1204	"	06	06	48	Near Taitung.
1192	"	02	11	27	"	1205	"	06	15	21	Near Hsinkong.
1193	"	02	22	32	Near Hsinkong.	1206	"	07	04	40	Near Hwalien.
1194	"	03	01	36	"	1207	"	07	09	05	Near Hsinkong.
1195	"	03	13	01	"	1208	"	07	17	57	Near Hwalien.
1196	"	03	17	20	"	1209	"	07	21	31	Near Hsinkong.
1197	"	03	20	05	"	1210	"	08	08	40	55km. ESE. of Taitung.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1211	Oct.	08	08	49	Near Hwalien.	1245	Oct.	19	18	41	27km. SSW. of Hwalien.
1212	"	08	15	21	Northern district.	1246	"	19	18	42	"
1213	"	08	17	59	Near Taitung.	1247	"	19	18	44	"
1214	"	08	19	11	Taichung district.	1248	"	19	18	44	"
1215	"	08	20	37	Near Hsinkong.	1249	"	19	18	48	"
1216	"	09	04	13	"	1250	"	19	18	49	"
1217	"	10	07	07	Near Hwalien.	1251	"	19	18	50	"
1218	"	10	21	27	Near Hsinkong.	1252	"	19	18	53	"
1219	"	11	07	44	16km. ESE. of Hwalien.	1253	"	19	18	54	"
1220	"	12	16	12	Taitung district.	1254	"	19	18	55	"
1221	"	12	18	48	Near Hwalien.	1255	"	19	18	59	"
1222	"	12	19	10	"	1256	"	19	19	16	35km. SW. of Hwalien.
1223	"	12	20	19	"	1257	"	19	19	19	"
1224	"	14	19	48	"	1258	"	19	19	21	"
1225	"	15	09	29	Near Hsinkong.	1259	"	19	19	23	"
1226	"	15	09	31	"	1260	"	19	19	29	"
1227	"	15	21	07	42km. W. of Alishan.	1261	"	19	19	31	"
1228	"	16	21	26	60km. ESE. of Hengchun.	1262	"	19	19	34	"
1229	"	16	22	47	Near Hsinkong.	1263	"	19	19	47	"
1230	"	17	18	34	Northern district.	1264	"	19	19	47	"
1231	"	17	18	37	Hwalien district.	1265	"	19	19	48	"
1232	"	17	19	10	Near Ilan.	1266	"	19	19	57	"
1233	"	18	00	19	Taitung district.	1267	"	19	19	59	"
1234	"	18	17	28	Near Hsinkong.	1268	"	19	20	65	"
1235	"	18	17	31	"	1269	"	19	20	09	"
1236	"	18	17	44	Near Tainan.	1270	"	19	20	18	37km. SSW. of Hwalien.
1237	"	18	17	48	Hwalien district.	1271	"	19	20	23	"
1238	"	18	20	19	Taitung district.	1272	"	19	20	31	"
1239	"	19	01	36	"	1273	"	19	20	31	"
1240	"	19	03	46	Near Ilan.	1274	"	19	20	33	"
1241	"	19	06	07	Near Hsinkong.	1275	"	19	20	39	"
1242	"	19	18	38	27km. SSW. of Hwalien.	1276	"	19	20	45	"
1243	"	19	18	40	"	1277	"	19	20	47	"
1244	"	19	18	41	"	1278	"	19	20	56	29km. ESE. of Hwalien.

No.	Month	P. T.)			Epicenter	No.	Month	P. T.)			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1279	Oct.	19	20	57	29km. ESE. of Hwalien.	1313	Oct.	20	02	28	30km. SSW. of Hwalien.
1280	"	19	21	07	27km. ESE. of Hwalien.	1314	"	20	03	02	Near Hsinkong.
1281	"	19	21	07	Near Hwalien.	1315	"	20	03	02	"
1282	"	19	21	09	"	1316	"	20	03	41	27km. SSW. of Hwalien.
1283	"	19	21	12	"	1317	"	20	03	47	"
1284	"	19	21	19	"	1318	"	20	03	55	Near Hwalien.
1285	"	19	21	25	"	1319	"	20	03	57	"
1286	"	19	21	29	"	1320	"	20	03	59	39km. SSW. of Hwalien.
1287	"	19	21	47	Northern district.	1321	"	20	04	51	Near Hsinkong.
1288	"	19	21	51	Near Hwalien.	1322	"	20	04	57	"
1289	"	19	22	04	"	1323	"	20	04	58	Near Hwalien.
1290	"	19	22	17	"	1324	"	20	05	23	"
1291	"	19	22	34	"	1325	"	20	05	25	"
1292	"	19	22	41	"	1326	"	20	05	38	"
1293	"	19	22	52	35km. SSW. of Hwalien.	1327	"	20	06	13	"
1294	"	19	22	57	"	1328	"	20	06	15	"
1295	"	19	23	02	Near Hwalien.	1329	"	20	07	23	22km. SE. of Hwalien.
1296	"	19	23	23	"	1330	"	20	07	36	29km. ESE. of Hwalien.
1297	"	19	23	31	"	1331	"	20	07	52	"
1298	"	19	23	45	"	1332	"	20	07	54	Near Hsinkong.
1299	"	19	23	53	"	1333	"	20	09	05	33km. SSW. of Hwalien.
1300	"	19	23	57	"	1334	"	20	09	30	Near Hwalien.
1301	"	19	23	58	"	1335	"	20	09	30	"
1302	"	20	00	11	"	1336	"	20	09	32	Near Hsinkong.
1303	"	20	00	11	"	1337	"	20	09	41	"
1304	"	20	00	20	"	1338	"	20	09	57	Near Hwalien.
1305	"	20	00	23	"	1339	"	20	10	10	"
1306	"	20	00	49	"	1340	"	20	10	48	31km. SSW. of Hwalien.
1307	"	20	00	54	"	1341	"	20	11	07	Near Hsinkong.
1308	"	20	00	57	"	1342	"	20	11	14	"
1309	"	20	01	13	"	1343	"	20	11	39	Near Hwalien.
1310	"	20	01	38	"	1344	"	20	11	51	"
1311	"	20	01	47	"	1345	"	20	12	01	"
1312	"	20	02	12	"	1346	"	20	12	24	"

No.	Month	P. T.)			Epicenter	No.	Month	P. T.)			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1347	Oct.	20	13	41	Near Hwalien.	1381	Oct.	22	02	41	35km. S. of Hwalien.
1348	"	20	14	10	Near Hsinkong.	1382	"	22	05	48	Near Hwalien.
1349	"	20	14	20	29km. SW. of Hwalien.	1383	"	22	06	09	Near Hsinkong.
1350	"	20	14	48	Near Hwalien.	1384	"	22	07	18	"
1351	"	20	15	46	"	1385	"	22	12	00	60km. WSW. of Hwalien.
1352	"	20	15	58	"	1386	"	22	20	56	Near Hwalien.
1353	"	20	16	12	"	1387	"	22	20	56	"
1354	"	20	16	29	"	1388	"	23	05	09	Near Hsinkong.
1355	"	20	16	34	Near Hsinkong.	1389	"	23	05	49	Near Hwalien.
1356	"	20	16	41	Near Hwalien.	1390	"	23	06	34	Near Hsinkong.
1357	"	20	16	44	Near Hsinkong.	1391	"	23	06	43	32km. S. of Hwalien.
1358	"	20	17	47	Near Hwalien.	1392	"	23	06	54	35km. S. of Hwalien.
1359	"	20	18	09	"	1393	"	23	16	18	30km. S. of Hwalien.
1360	"	20	18	22	"	1394	"	23	19	15	Near Hwalien.
1361	"	20	20	23	38km. SW. of Hwalien.	1395	"	24	01	07	"
1362	"	20	20	47	49km. WSW. of Hwalien.	1396	"	24	06	13	207km. ENE. of Hwalien.
1363	"	20	20	50	Near Hsinkong.	1397	"	24	08	19	30km. SSE. of Hsinkong.
1364	"	20	20	54	Near Hwalien.	1398	"	24	14	36	Near Hwalien.
1365	"	20	21	49	"	1399	"	25	03	55	40km. SSW. of Hwalien.
1366	"	20	22	29	"	1400	"	25	03	59	Hengchun district.
1367	"	20	22	58	Northern district.	1401	"	25	04	39	"
1368	"	21	01	05	Near Hwalien.	1402	"	25	04	56	"
1369	"	21	01	43	"	1403	"	25	06	19	Hwalien district.
1370	"	21	02	27	"	1404	"	25	06	34	38km. SSE. of Hwalien.
1371	"	21	03	21	35km. S. of Hwalien.	1405	"	25	07	25	Near Hsinkong.
1372	"	21	04	33	Near Hsinkong.	1406	"	25	08	19	Taichung district.
1373	"	21	04	43	Near Hwalien.	1407	"	25	09	04	55km. E. of Tawu.
1374	"	21	06	53	"	1408	"	25	09	45	60km. E. of Hengchun.
1375	"	21	09	50	"	1409	"	25	09	57	Hengchun district.
1376	"	21	13	05	"	1410	"	25	13	07	Near Hengchun.
1377	"	21	13	55	"	1411	"	25	13	34	"
1378	"	21	14	20	Taichung district.	1412	"	25	22	13	15km. NE. of Taichung.
1379	"	21	22	15	Near Hwalien.	1413	"	25	23	06	Near Hsinkong.
1380	"	22	01	46	Near Hsinkong.	1414	"	26	02	47	Taichung district.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1415	Oct.	26	04	41	Near Hengchun.	1449	Nov.	02	17	18	Near Hsinkong.
1416	"	26	05	20	"	1450	"	03	01	39	Hwalien district.
1417	"	26	05	34	Near Hwalien.	1451	"	03	12	44	80km ESE of Hwalien.
1418	"	26	06	47	Near Hsinkong.	1452	"	03	17	36	Near Hwalien.
1419	"	26	07	24	70km. ENE. of Ilan.	1453	"	03	23	11	Near Hsinkong.
1420	"	26	14	22	Borneo 2S. 116E.	1454	"	03	23	58	Near Hwalien.
1421	"	26	16	05	Near Hsinkong.	1455	"	04	05	09	"
1422	"	26	16	55	Near Hwalien.	1456	"	04	12	06	Taichung district.
1423	"	26	19	55	Hengchun District.	1457	"	04	13	19	Near Hwalien.
1424	"	27	00	19	33km. S. of Ilan.	1458	"	04	15	33	"
1425	"	27	14	13	Near Hwalin.	1459	"	04	20	35	Near Hsinkong.
1426	"	27	18	20	Near Hengchun.	1460	"	05	21	23	125km. E. of Ilan.
1427	"	27	18	22	"	1461	"	05	23	23	Hwalien district.
1428	"	27	18	44	38km. SSW. of Hwalien.	1462	"	06	03	02	Near Hsinkong.
1429	"	27	19	54	Near Hwalien.	1463	"	06	05	12	"
1430	"	27	20	33	"	1464	"	06	12	32	"
1431	"	27	22	40	Distant, uncertain.	1465	"	06	13	03	25km. WSW. of Hwalien.
1432	"	29	05	47	Near Hsinkong.	1466	"	07	01	02	Near Hsinkong.
1433	"	29	06	06	"	1467	"	07	02	47	Hwalien district.
1434	"	30	01	31	"	1468	"	07	03	47	46km. SSE. of Taitung.
1435	"	30	05	01	Hwalien district.	1469	"	07	06	38	Hengchun district.
1436	"	30	05	19	Hengchun district.	1470	"	07	07	40	Near Hwalien.
1437	"	30	14	10	Near Hwalien.	1471	"	07	13	10	Near Hsinkong.
1438	"	30	16	25	Near Hsinkong.	1472	"	07	23	49	Near Hwalien.
1439	"	31	02	55	36km. S. of Hwalien.	1473	"	08	00	02	Taitung district.
1440	"	31	03	30	Northern district.	1474	"	08	00	03	"
1441	Nov.	01	01	52	60km. E. of Hengchun.	1475	"	08	00	54	Taichung district.
1442	"	01	03	39	Near Hsinkong.	1476	"	08	01	07	50km. E. of Hwalien.
1443	"	01	03	41	Near Hwalien.	1477	"	08	04	17	Tainan distret.
1444	"	01	12	52	Hengchun district.	1478	"	08	07	06	48km. SSE. of Hwalien.
1445	"	02	04	10	Near Hsinkong.	1479	"	08	19	52	Near Hsinkong.
1446	"	02	09	13	Near Hwalien.	1480	"	08	21	46	"
1447	"	02	17	06	"	1481	"	08	21	47	"
1448	"	02	17	17	"	1482	"	09	07	34	Near Hwalien.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		G.	M.	T.)				G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1483	Nov.	09	09	13	Near Hsinkong.	1517	Nov.	17	06	21	Near Hwalien.
1484	"	09	09	22	Near Hwalien.	1518	"	17	17	05	Near Hsinkong.
1485	"	09	22	12	Near Hsiakong.	1519	"	18	13	07	Tainan District.
1486	"	10	02	43	Near Solomon Islands.	1520	"	18	15	55	44km. WSW. of Alishan.
1487	"	10	06	02	Distant, uncertain.	1521	"	19	00	36	87km. ENE. of Hwalien.
1488	"	10	07	12	Hengchun District.	1522	"	19	00	41	Taichung District.
1489	"	10	08	30	Distant, uncertain.	1523	"	19	01	46	Northern District.
1490	"	10	11	08	Near Hsinkong.	1524	"	19	04	46	34km. SSE. of Hwalien.
1491	"	10	12	46	Hwalien District.	1525	"	19	07	35	Hengchun District.
1492	"	10	14	43	86km. SE. of Ilan.	1526	"	19	09	27	Near Hwalien.
1493	"	10	19	24	Near E. Coast of Honshu, Japan.	1527	"	19	09	59	"
1494	"	11	04	17	49km. NNE. of Alishan.	1528	"	19	10	02	"
1495	"	11	11	53	45km. E. of Hwalien.	1529	"	20	00	01	Near Hsinkong.
1496	"	11	16	18	Near Hsinkong.	1530	"	20	12	06	"
1497	"	11	19	48	"	1531	"	20	12	06	"
1498	"	11	23	11	"	1532	"	20	16	13	Hwalien District.
1499	"	12	03	23	Near Hwalien.	1533	"	20	21	01	52km. SE. of Hwalien.
1500	"	12	04	41	Near Hsinkong.	1534	"	22	05	22	Near Hsinkong.
1501	"	13	00	40	"	1535	"	22	09	52	Near Hwalien.
1502	"	13	06	28	49km. W. of Hwalien.	1536	"	24	18	02	Near Hengchun.
1503	"	13	07	39	Near Hwalien.	1537	"	25	04	50	Near Hsinkong.
1504	"	13	12	57	"	1538	"	25	12	43	"
1505	"	13	21	45	"	1539	"	25	22	40	Near Petaliu Palau Is.
1506	"	14	02	14	Near Hsinkong.	1540	"	26	05	15	Distant Uncertain.
1507	"	14	13	45	62km. NNE. of Taipei.	1541	"	26	08	26	Near Hsinkong.
1508	"	15	02	23	Northern District.	1542	"	26	11	02	98km. ENE. of Hengchun.
1509	"	15	02	41	Near Hwalien.	1543	"	26	12	36	Hengchun District.
1510	"	15	07	55	Distant, uncertain.	1544	"	26	19	08	280km. ENE. of Hengchun.
1511	"	15	19	13	40km. NE. of Hsinkong.	1545	"	27	05	14	26km. SSW. of Hwalien.
1512	"	15	19	22	Near Hwalien.	1546	"	27	13	29	Near Hsinkong.
1513	"	16	03	03	Near Hsinkong.	1547	"	27	15	06	Taitung District.
1514	"	16	03	13	"	1548	"	29	03	32	Near Hwalien.
1515	"	16	11	19	50km. SE. of Hwalien.	1549	"	29	11	01	Near Hsinkong.
1516	"	16	18	09	Near Hsinkong.	1550	"	29	12	26	Near Hwalien.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1551	Nov.	29	15	07	Near Hsinkong.	1585	Dec.	09	13	33	"
1552	"	29	18	53	16km. ENE. of Hsinlong.	1586	"	09	17	31	"
1553	"	29	19	18	Near Hsinkong.	1587	"	10	00	50	75km. NE. of Hsinkong.
1554	"	29	22	08	Near Alishan.	1588	"	10	06	07	Near Hengchun.
1555	"	29	22	39	Southern Bolivia.	1589	"	10	06	47	75km. ENE. of Taipei.
1556	"	30	00	07	Near Hwalien.	1590	"	10	14	44	Near East coast of New Guinea.
1557	"	30	03	45	Taitung District.	1591	"	10	19	11	Near Hsinkong.
1558	Dec.	02	10	00	Near Hwalien.	1592	"	11	18	15	Norther District.
1559	"	02	13	40	Near Hsinkong.	1593	"	11	22	30	Near Hsinkong.
1560	"	04	02	42	Near Hwalien.	1594	"	12	05	48	"
1561	"	04	03	12	"	1595	"	12	11	17	27km. ENE. of Hwalien.
1562	"	04	03	43	Outer Mongolia.	1596	"	12	14	57	Taitung District.
1563	"	04	09	06	Near Hsinkong.	1597	"	12	18	48	"
1564	"	04	11	33	Outer Mongolia.	1598	"	13	01	55	Iran 34.5N., 48E.
1565	"	04	11	56	Near Hwalien.	1599	"	13	02	29	Hwalien District.
1566	"	04	13	30	Outer Mongolia.	1600	"	13	02	42	Northern District.
1567	"	05	04	46	Taitung District.	1601	"	13	11	58	Near Hwalien.
1568	"	05	08	59	Near Hsinkong.	1602	"	13	11	58	Near Hsinkong.
1569	"	05	09	08	Near Hwalien.	1603	"	14	01	57	Taitung District.
1570	"	05	18	28	Near Hengchun.	1604	"	15	02	08	Near Hsinkong.
1571	"	06	02	34	Near Hsinkong.	1605	"	15	17	37	"
1572	"	06	23	04	40km. SSE. of Hwalien.	1606	"	17	05	18	Distant Uncertain.
1573	"	06	23	19	Near Hsinkong.	1607	"	17	08	32	Near Hsinkong.
1574	"	07	11	49	Hwalien District.	1608	"	17	13	59	Near South region of Marshall Is.
1575	"	07	12	46	Near Hwalien.	1609	"	17	18	18	Near Hsinkong.
1576	"	07	16	55	Near Hsinkong.	1610	"	17	21	55	"
1577	"	08	23	26	Taichung District.	1611	"	18	10	07	"
1578	"	09	00	32	Northern District.	1612	"	18	16	12	"
1579	"	09	00	36	"	1613	"	18	20	12	"
1580	"	09	00	38	Near Hsinkong.	1614	"	19	21	38	42km. E. of Hwalien.
1581	"	09	01	17	Taitung District.	1615	"	20	01	53	Near Hwalien.
1582	"	09	01	18	"	1616	"	20	07	11	Near Taipei.
1583	"	09	08	21	Near Hsinkong.	1617	"	20	07	14	"
1584	"	09	11	27	Near Hsinkong.	1618	"	20	07	41	Near Ilan.

No.	Month	P. M. T.)			Epicenter	No.	Month	P. M. T.)			Epicenter
		(G.	M.	T.)				(G.	M.	T.)	
		d.	h.	m.			d.	h.	m.		
1619	Dec.	20	08	02	"	1639	Dec.	25	22	13	Hwalien District.
1620	"	20	18	31	Near Hsinkong.	1640	"	26	01	21	Near Hsinkong.
1621	"	20	20	18	"	1641	"	26	05	57	Hengchun District.
1622	"	22	10	06	Near Hwalien.	1642	"	26	08	40	Near Hsinkong.
1623	"	22	15	04	"	1643	"	26	08	44	"
1624	"	22	16	29	Near Hsinkong.	1644	"	26	17	12	"
1625	"	23	22	22	"	1645	"	26	23	24	"
1626	"	24	06	39	"	1646	"	28	00	37	Near Hwalien.
1627	"	24	08	15	"	1647	"	28	16	16	"
1628	"	24	09	56	Near Hwalien.	1648	"	28	19	18	Taichung District.
1629	"	24	11	25	Near Hengchun.	1649	"	28	22	05	Near Hsinkong.
1630	"	24	11	48	32km. SW. of Hwalien.	1650	"	28	22	07	Taichung District.
1631	"	24	16	50	Taichung district.	1651	"	28	22	18	Near Hwalien.
1632	"	24	17	04	36km. ESE. of Hwalien.	1652	"	29	16	22	Near Hsinkong.
1633	"	24	17	08	Near Hsinkong.	1653	"	29	21	31	"
1634	"	24	18	16	Norther District.	1654	"	30	02	13	Near Hengchun.
1635	"	24	18	47	73km. ENE. of Ilan.	1655	"	30	09	04	Near Hwalien.
1636	"	25	05	52	Near Hengchun.	1656	"	30	12	00	Near Hsinkong.
1637	"	25	11	47	125km. E. of Taitung.	1657	"	30	13	59	Near North Coast of Luzon, Philippine Islands.
1638	"	25	18	56	Near Hwalien.						

Major Earthquakes which Occurred in October 1957.

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P-S	Intensity	Epicenter & Remark	
					N	E	Z	N	E	Z	N	E	Z				
					μ	μ	μ	μ	μ	μ	s	s	s				
1	Hwalien	17	P	01 51 37.8	+	+	6.2	-	9,800	9,000	1,300	-	-	-	2.3	20km. N. of Hwalien H=10km (e)	
	Ilan		eP	47.1	-	-	-	142	175	81	2.5	2.1	1.7	9.1	0		
	Hsinghu		eP	47.1	-	-	-	-	-	-	-	-	-	12.9	0		
	Taichung		eP	48.2	-	3.0	214.0	-	222	234	171	2.1	2.0	1.9	11.1		1
	Hsinkong		eP	48.9	-	-	-	-	-	-	-	-	-	12.4	0		
	Taipei		P	52.0	-	-	-	-	-	-	-	-	-	13.0	0		
	Taitung		P	59.8	-	-	-	-	-	-	-	-	-	12.4	0		
	Tainan		P	52 03.4	-	-	-	-	-	-	-	-	-	24.0	0		

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remark	
					N	E	Z	N	E	Z	N	E	Z				
1	Tawu	17	P	07.4	—	—	—	—	—	—	—	—	—	—	21.1	O	
	Hengchun		eP	16.2	—	—	—	—	—	—	—	—	—	—	30.9	O	
	Haohsiung		eP	17.3	—	—	—	—	—	—	—	—	—	—	39.4	O	
2	Tawu	18	P	17 20 31.8	—	—	—	43	80	—	0.7	3.6	—	—	7.6	O	35km WSW. of Alishan
	Alishan		iP	21 18.3 - 48.9 - 47.6	—	—	—	—	—	—	—	—	—	—	5.4	III	23°4N. 120°5E. H=10km (s)
	Hsinkong		iP	26.5 + 8.2 - 2.9 - 31.4	201	235	237	1.4	1.7	1.2	127	II	—	—	—	—	—
	Kaohsiung		P	26.7	—	—	—	248	318	—	1.0	1.3	—	—	11.0	III	—
	Tainan		iP	27.3 + 30.8 + 18.5 - 31.0	395	454	394	3.0	3.0	3.0	8.3	II	—	—	—	—	—
	Taichung		P	29.5 - - + - -	137	194	137	1.7	1.7	1.4	10.6	I	—	—	—	—	—
	Taitung		iP	35.5	—	—	—	—	—	—	—	—	—	—	13.3	O	—
	Hwalien		P	36.2	—	—	—	325	350	—	1.5	1.5	—	—	15.4	II	—
	Hengchun		eP	36.6	—	—	—	101	160	125	2.1	2.1	2.6	—	19.1	I	—
	Hsinchu		eP	38.5	—	—	—	—	—	—	—	—	—	—	23.0	O	—
Ilan		P	47.2	—	—	—	244	200	—	2.1	2.1	—	—	25.2	O	—	
Taipei		P	53.3	—	—	—	—	—	—	—	—	—	—	26.5	O	—	
3	Hsinkong	19	iP	04 58 41.3 - 42.3 - 35.3 + 181.4	1,500	1,250	414	0.7	0.5	0.5	2.8	III	—	—	—	—	20km N. of Hsinkong H=10km (l)
	Taitung		P	48.4	—	—	—	—	—	—	—	—	—	—	6.9	O	—
	Alishan		iP	50.3 - 27.1 + 17.6 -	—	—	—	—	—	—	—	—	—	—	8.6	I	—
	Tawu		P	54.2	—	—	—	—	—	—	—	—	—	—	6.5	O	—
	Tainan		eP	54.4	—	—	—	—	—	—	—	—	—	—	20.7	O	—
	Hwalien		P	54.4	—	—	—	136	180	—	1.5	1.5	—	—	10.7	I	—
	Kaohsiung		P	59 01.5	—	—	—	—	—	—	—	—	—	—	17.3	O	—
	Taichung		P	02.2	—	—	—	—	—	—	—	—	—	—	14.7	O	—
	Hengchun		eP	05.3	—	—	—	—	—	—	—	—	—	—	18.9	O	—
	Hsinchu		eP	11.0	—	—	—	—	—	—	—	—	—	—	16.6	O	—
Ilan		eP	11.7	—	—	—	—	—	—	—	—	—	—	21.4	O	—	
Taipei		P	17.0	—	—	—	—	—	—	—	—	—	—	27.6	O	—	
4	Hwalien	19	P	18 29 01.2	—	—	+	—	44,500	53,000	25,500	—	—	—	—	V	27km SSW of Hwalien
	Hsinkong		iP	10.0 + 152.9 + 150.6 - 285.7	—	—	—	—	6,950	7,350	—	2.3	1.4	—	9.1	IV	23.7N. 121.5E. H=10km (r)
	Alishan		iP	11.7 + 1,150.0 + 1,025.0 -	—	—	—	—	—	—	—	—	—	—	9.5	IV	—
	Taichung		iP	16.8 + 1,000.0 + 1,350.0 + 1,272.0 -	22,500	33,300	18,000	2.0	2.0	2.0	13.6	III	—	—	—	—	—
	Ilan		iP	16.8 - 22.2 - 7.4 - 156.2	—	—	—	—	3,280	1,800	—	3.5	2.5	—	15.6	III	—

No.	Station	Date	Phase	P. (G. M. T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remark	
					N	E	Z	N	E	Z	N	E	Z				
4	TaiTung	19	iP	18 29 16.9 - 7.7 + 18.6	135.2	—	—	—	—	—	—	—	—	—	10.7	IV	—
	Tawu		P	20.5	—	—	—	—	710	922	—	—	—	—	23.3	III	—
	Taipei		iP	23.7 - 467.5 + 2.0	150.0	838	3,700	1,527	1.9	3.1	3.0	—	—	—	18.2	IV	—
	Kaohsiung		P	24.0	—	—	—	3,080	1,566	—	—	—	—	—	21.7	III	—
	Tainan		iP	25.6 - 16.0 - 17.3	117.0	1,500	—	—	—	—	—	—	—	—	16.6	II	—
	Penghu		iP	26.4 - 20.0 + 45.0	—	—	—	—	—	—	—	—	—	—	21.9	III	—
	Hengchun		iP	29.7 + 10.5 + 10.8 - 21.1	—	—	—	—	—	—	—	—	—	—	8.1	III	—
Hsinchu		eP	30 00.6	—	—	—	—	—	—	—	—	—	—	10.2	III	—	
5	Hwalien	20	P	06 38 42.2	—	—	—	115	90	—	1.2	2.5	—	—	9.2	II	66km NE of Hwalien
	Ilan		P	39 00.0	—	—	—	183	174	—	0.5	0.5	—	—	5.8	I	24.4N 122.1E H=20km. (s)
	Taipei		eP	06.2	—	—	—	—	—	—	—	—	—	—	10.0	O	—
	Hsinchu		eP	12.0	—	—	—	—	—	—	—	—	—	—	14.0	O	—
	Taichung		P	14.6 - - + - -	—	—	—	51	105	61	1.0	1.4	1.4	—	15.9	I	—
	Hsinkong		eP	15.2	—	—	—	—	—	—	—	—	—	—	17.9	O	—
	Alishan		eP	18.1	—	—	—	—	—	—	—	—	—	—	18.9	O	—
	Taitung		eP	31.3	—	—	—	—	—	—	—	—	—	—	—	O	—
	Hengchun		eP	40 10.0	—	—	—	—	—	—	—	—	—	—	—	O	—
	6	Hengchun	25	iP	01 42 58.2 + 5.3 - 8.6 + 42.1	—	—	—	—	—	—	—	—	—	—	21.9	III
Tawu			iP	43 08.0 + 5.4 - 2.5 + 8.6	135	180	83	1.8	3.5	2.1	—	—	—	—	6.5	I	21.8N. 122.5E. H=120km. (m)
Taitung			P	13.1	—	—	—	—	—	—	—	—	—	—	15.8	O	—
Hsinkong			eP	16.7	—	—	—	71	59	39	3.7	0.7	2.3	—	22.5	I	—
Kaohsiung			P	22.4	—	—	—	175	283	—	3.3	2.2	—	—	24.6	I	—
Alishan			P	24.6 + 3.7	—	—	—	—	—	—	—	—	—	—	27.9	I	—
Tainan			eP	28.5	—	—	—	—	—	—	—	—	—	—	23.8	O	—
Hwalien			eP	33.8	—	—	—	90	85	54	3.6	2.8	3.4	—	23.0	O	—
Taichung			P	41.8	—	—	—	—	—	—	—	—	—	—	24.1	O	—
Ilan			eP	53.8	—	—	—	—	—	—	—	—	—	—	34.2	O	—
Taipei		eP	56.0	—	—	—	—	—	—	—	—	—	—	53.3	O	—	
Hsinchu		eP	44 09.0	—	—	—	—	—	—	—	—	—	—	34.5	O	—	
7	Hengchun	25	iP	06 19 21.2 - 66.3 + 39.8 - 144.7	—	—	—	—	—	—	—	—	—	—	—	III	153km ESE. of Hengchun
	Tawu		P	23.7	—	—	—	377	316	206	2.7	4.3	2.6	—	10.2	II	21.9N. 122.2E. H=60km. (m)
	TaiTung		P	29.9	—	—	—	—	—	—	—	—	—	—	15.6	O	—

