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### General Aspect of Earthquakes

From January to March, 1968.

The number of earthquakes which occurred in Taiwan Region during the period from January to march, 1968 is 399 Among them, there were 33 felt earthquakes including 1 moderate, 3 small felt area and 29 local ones.

The moderate earthquake occurred on February 26 at 40km. ENE. of Taitung. The epicenters of the 3 small felt area earthquakes which all occurred in January, as shown on the distribution map, scattered along the vicinity of the east coast.

Aside from those which occurred in Taiwan Region, 140 distant earthquakes had been recorded by our seismographs. The data of these distant earthquakes together with those of local majion earthquaks are shown on the latter part of this bulletin.

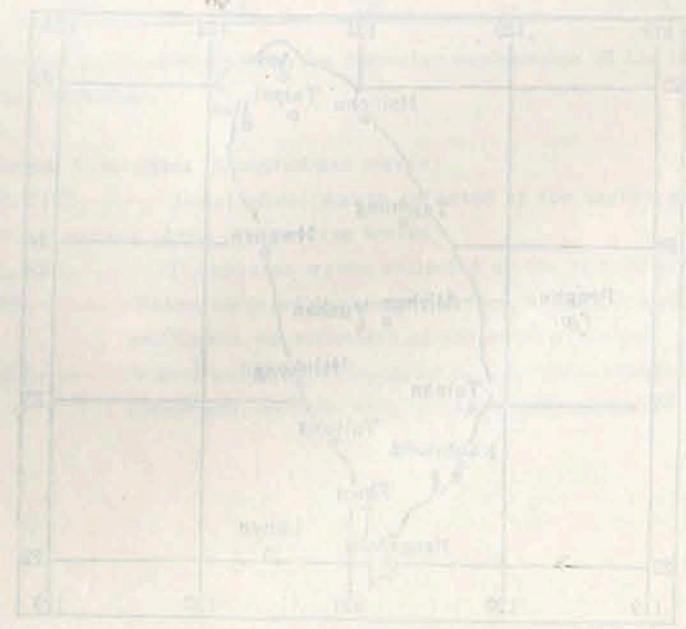




Table I. Geographical coordinates of the Seismological Station, Taiwan China.

$\lambda$ :Longitude  $\phi$ :Geographical Latitude  
 $\phi'$ :Geocentric Latitude  
 $a = \cos\phi' \cos\lambda$   $b = \cos\phi' \sin\lambda$   $c = \sin\phi'$

Station	$\phi$ ;(N)	$\lambda$ ;(E)	$\phi'$	Altitude	Subsoil	a	b	c	Seismographs
Anpu	25.11	121.31	25.20	836.2	Andesite	-0.4736	+0.7725	+0.4231	SP(H.V.)LP(H.L.)
Alishan(mt.)	23.31	120.48	23.22	2406.1	Miocene Sands	-0.4700	+0.7855	+0.3966	W.(H.V.)O.S <sub>1</sub>
Hengchun	22.00	120.45	21.52	22.3	Alluvium	-0.4754	+0.7976	+0.3724	W.(H.V.)S <sub>2</sub>
Hsinkong	23.06	121.22	22.58	36.5	"	-0.4793	+0.7862	+0.3901	P <sub>1</sub> S <sub>2</sub> W.(H.V.)A <sub>1</sub>
Hsinchu	24.48	120.48	24.39	32.8	"	-0.4677	+0.7793	+0.4171	P <sub>1</sub> S <sub>2</sub>
Hwalien	23.58	121.37	23.49	17.6	"	-0.4796	+0.7791	+0.4038	W.(H.V.)P <sub>1</sub> S <sub>2</sub> A <sub>2</sub>
Ilan	24.46	121.45	24.73	7.4	"	-0.4784	+0.7731	+0.4165	W.(H.V.)P <sub>1</sub> S <sub>1</sub>
Kaohsiung	22.37	120.16	22.29	33.1	"	-0.4657	+0.7981	+0.3824	P <sub>1</sub> S <sub>1</sub>
Lanyu	22.02	121.33	21.54	332.2	Basalt	-0.4881	+0.7950	+0.3730	P <sub>2</sub>
Penghu	23.32	119.33	23.23	9.4	"	-0.4527	+0.7985	+0.3969	P <sub>1</sub>
Taipei	25.02	121.31	24.54	8.0	Alluvium	-0.4742	+0.7733	+0.4208	W.(H.V.)O.S <sub>1</sub> P <sub>3</sub> A <sub>1</sub>
Tawu	22.21	120.54	22.13	7.6	"	-0.4754	+0.7944	+0.3781	W.(H.V.)S <sub>1</sub>
Taitung	22.45	121.09	22.37	8.9	"	-0.4775	+0.7900	+0.3846	W.(H.V.)S <sub>2</sub>
Tainan	23.00	120.13	22.52	12.7	"	-0.4637	+0.7962	+0.3886	W.(H.V.)P <sub>1</sub> S <sub>1</sub> A <sub>1</sub>
Taichung	24.09	120.41	24.00	77.1	"	-0.4662	+0.7856	+0.4067	W.(H.V.)S <sub>2</sub> P <sub>1</sub>
Yushan(Mt. Marrison)	23.29	120.57	23.21	3850.0	"	-0.4722	+0.7873	+0.3964	P <sub>1</sub>

- W(H): Wiechert's horizontal seismograph.
- W(V): Wiechert's vertical seismograph.
- O: Omori's horizontal seismograph. (V:20)
- P<sub>1</sub>: C. M. O. type horizontal portable seismograph. (V:40)
- P<sub>2</sub>: Three component portable seismograph. (V:20)
- P<sub>3</sub>: Higuti-C. M. O. type short period, horizontal seismograph. (V:50)
- S<sub>1</sub>: C. M. O. type three component strong motion seismograph. (V:2)
- S<sub>2</sub>: Higuti-C. M. O. type three component strong motion seismograph. (V:1)
- A<sub>1</sub>: Isinmoto's three component acceleration seismograph.
- A<sub>2</sub>: Higuti's three component strong motion accelerometer.
- S.P.: Benioff short-period seismograph.
- L.P.: Sprengnether long-period seismograph.

Map showing the position of Seismological Station in Taiwan, China.

Figure 1

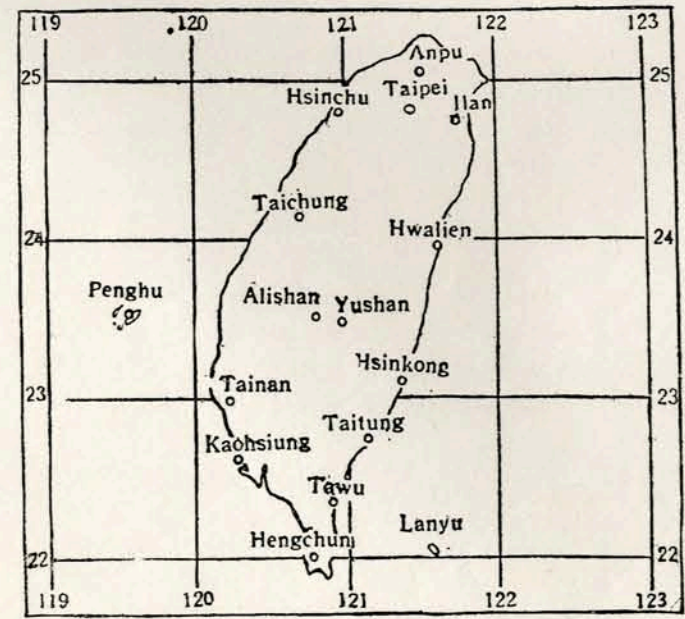


Table II. Specification of instruments:-

Mass of the pendulum M (kg) Friction r (mm.<sup>2</sup>)  
 Magnification V. Proper period of the pendulum To(sec.)  
 Damping ratio v. Proper period of the galvanometer Tg(sec.)  
 The Constants of Seismographs are as follows.

Seismograph	Component	M.	V.	v.	r.	To	Tg
W(H)	E-W	200	77	9	0.10	5.1	
	N-S	200	78	9	0.13	5.1	
	U-D	80	75	8	0.08	5.1	
P <sub>1</sub>	E-W	18	40	8	0.13	5.1	
	N-S	18	40	8	0.13	5.1	
P <sub>2</sub>	E-W	10	20	2	0.24	4.0	
	N-S	10	20	2	0.41	4.0	
	U-D	7.5	20	2	0.29	4.0	
P <sub>3</sub>	E-W	20	49	10	0.08	2.2	
	N-S	20	49	10	0.08	2.3	
O	E-W	15	20	3	0.05	15.7	
	N-S	15	20	3	0.08	15.1	
S <sub>1</sub>	E-W	2	2	4	0.06	3.8	
	N-S	2	2	4	0.06	3.8	
	U-D	1.5	2	8	0.06	3.5	
S <sub>2</sub>	E-W	4	1	8	0.04	6.0	
	N-S	4	1	8	0.04	6.0	
	U-D	2	1	8	0.03	5.0	
A <sub>1</sub>	E-W	15	220	10	0.005	0.10	
	N-S	15	220	10	0.009	0.10	
	U-D	15	170	10	0.006	0.08	
A <sub>2</sub>	E-W	1	16	10	0.01	0.11	
	N-S	1	16	10	0.02	0.10	
	U-D	1	16	10	0.01	0.11	
SP	E-W	107.5	6.250	17		1.0	0.75
	N-S	107.5	6.250	17		1.0	0.75
	U-D	107.5	6.250	17		1.0	0.75
LP	E-W	10.75	750	$\infty$		30.0	100.0
	N-S	10.75	750	$\infty$		30.0	100.0
	U-D	11.2	750	$\infty$		30.0	100.0

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
  - $\Delta$  : Epicentral distance.
  - $\Delta H$  : Focal distance.
  - H : Depth of focus.
  - $\mu$  : 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.
  - $I_E$  : 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 of 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.

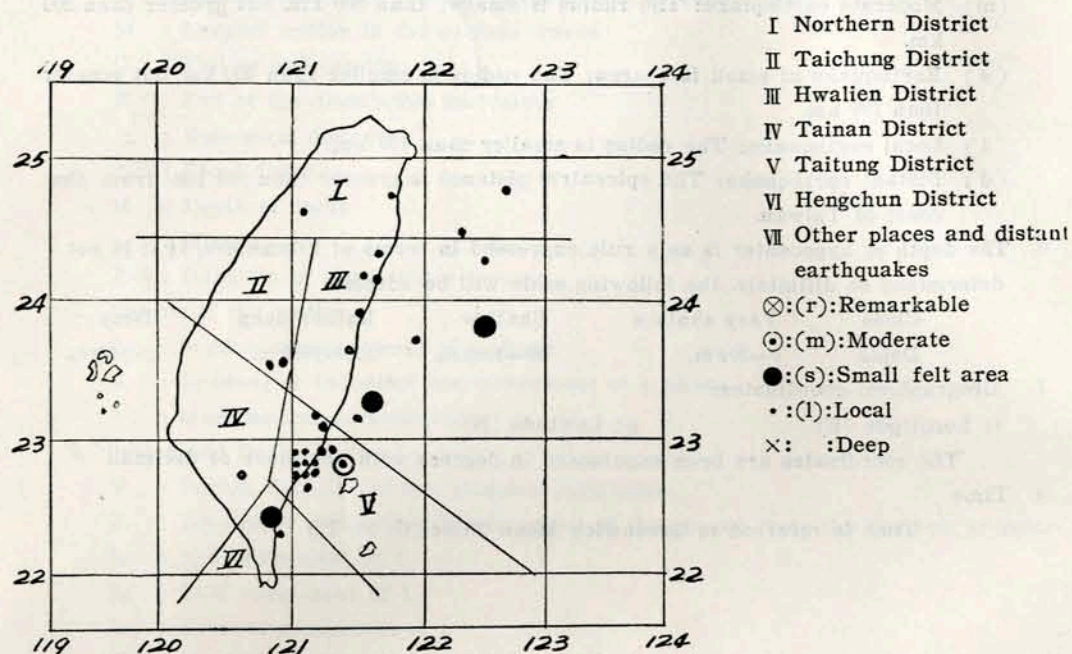
	No Feeling	Slight	Weak	Rather Strong	Strong	Very Strong	Disastrous
Scale Acceleration (gal)	O <-0.8	I 0.8-2.5	II 2.5-8	III 8-25	IV 25-80	V 80-250	VI 250<

5. The magnitude of an earthquake is classified 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 | 0~30km.      | 30~100km. | 100~200km.  | >200km. |
7. Geographical coordinates:
- $\lambda$ : Longitude (E)                       $\phi$ : 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.)



Epicenters of Felt Earthquake From January to March 1968



Number of earthquakes classified according to it's magnitude and districts January to March 1968

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Remarkable	Moderate	Small felt area	Local	Total		
Northern District	—	—	—	4	4	24	28
Taichung "	—	—	—	2	2	11	13
Hwalien "	—	—	2	8	10	86	96
Tainan "	—	—	—	1	1	1	2
Taitung "	—	1	—	13	14	220	234
Hengchun "	—	—	1	1	2	24	26
Total	0	1	3	29	33	366	399
Other places	—	—	—	—	—	140	140

Felt earthquakes in the months from January to March, 1968.

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude	Longitude	Depth
		d.	h.	m.					
1	Jan.	13	07	03	S	About 90km. ESE. of Hwalien	122.4	23.8	60
2	"	17	02	00	L	About 20km. NNW. of Hwalien			50
3	"	18	21	54	S	About 15km. NNW. of Tawu	120.8	22.4	"
4	"	19	15	23	L	Near Yushan			
5	"	25	16	14	L	"			
6	"	27	13	56	S	About 40km. NE. of Hsinkong	121.6	23.3	15
7	"	28	22	29	L	About 97km. E. of Ilan			40
8	Feb.	4	22	35	L	About 10km. SSW. of Taitung			20
9	"	8	09	29	L	About 40km. ENE. of Kaohsiung			10
10	"	26	10	50	M	About 40km. ENE. of Taituug	22.8	121.5	20
11	"	26	16	04	L	Near Taitung			
12	"	26	17	26	L	"			
13	"	27	17	45	L	"			
14	"	27	00	13	L	"			
15	"	27	06	09	L	"			
16	"	27	23	20	L	Near Tawu			
17	"	28	04	36	L	Near Hsinkong			
18	"	28	09	50	L	Near Taitung			
19	"	28	22	07	L	About 20km. NE. of Taitung			10
20	Mar.	3	19	50	L	Near Hwalien			
21	"	5	22	24	L	About 31 km. SSW. of Hwalien			10
22	"	6	20	17	L	Near Taitung			
23	"	7	13	17	L	About 90km. ENE. of Hwalien			40
24	"	14	01	51	L	Near Hsinkong			
25	"	14	05	25	L	About 24km. SSE. of Hsinchu			50
26	"	17	01	40	L	About 28km. E. of Hsinkong			40
27	"	17	02	23	L	About 18km. N. of Hwalien			
28	"	17	09	45	L	About 36km. S. of Ilan			5
29	"	17	20	12	L	About 40km. SE. of Hwalien			25
30	"	18	00	22	L	Near Ilan			
31	"	19	20	04	L	About 66km. ESE. of Ilan			
32	"	22	07	18	L	Near Taitung			
33	"	29	07	46	L	About 21km. NE. of Taitung			



Unfelt Earthquakes in the Months From January to March, 1968.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1	Dec.	31	17	01	Hwalien district	24	Jan.	9	18	03	About 112 km. E. of Ilan
2	"	31	22	15	Hengchun district	25	"	9	21	21	Taitung district
3	Jan.	1	03	18	Hwalien district	26	"	9	21	46	Hwalien district
4	"	1	11	11	Near Hsinkong	27	"	10	00	51	"
5	"	1	12	40	Hwalien district	28	"	10	09	44	(d)
6	"	1	19	51	"	29	"	10	15	00	Hwalien district
7	"	4	00	56	(d)	30	"	11	16	16	(d)
8	"	4	01	35	Near Anpu	31	"	12	00	37	Hengchun district
9	"	4	10	35	(d)	32	"	12	03	01	(d)
10	"	6	01	48	Near Hwalien	33	"	12	07	52	Hwalien district
11	"	6	12	01	Hwalien district	34	"	12	08	29	Taitung district
12	"	6	15	29	(d)	35	"	12	08	41	(d)
13	"	6	23	47	(d)	36	"	12	21	47	Taitung district
14	"	7	04	13	(d)	37	"	13	16	26	(d)
15	"	7	07	44	Near Hwalien	38	"	14	12	31	(d)
16	"	7	10	04	(d)	39	"	14	17	52	(d)
17	"	7	11	16	(d)	40	"	14	21	52	Hengchun district
18	"	8	03	48	Near Hwalien	41	"	15	02	13	(d)
19	"	8	04	51	"	42	"	15	19	40	(d)
20	"	8	20	33	"	43	"	15	19	41	Northern district
21	"	8	21	33	(d)	44	"	15	21	52	Taitung district
22	"	9	00	25	(d)	45	"	16	00	41	Northern district
23	"	9	13	31	(d)	46	"	16	04	57	Taitung district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
47	Jan.	16	08	21	Northern district	70	Jan.	20	16	52	(d)
48	"	16	15	49	Hwalien district	71	"	20	16	56	Taitung district
49	"	16	16	55	(d)	72	"	20	21	32	"
50	"	17	01	31	Taitung district	73	"	21	00	13	(d)
51	"	17	03	07	(d)	74	"	21	00	29	(d)
52	"	17	09	17	(d)	75	"	21	04	31	(d)
53	"	17	09	30	About 48km. ESE. of Ilan	76	"	21	06	52	Hwalien district
54	"	17	10	25	(d)	77	"	21	06	58	About 79km. ESE. of Hwalien
55	"	17	16	41	Hwalien district	78	"	21	10	14	Taitung district
56	"	17	19	44	Taitung district	79	"	21	17	04	(d)
57	"	18	10	41	(d)	80	"	21	17	49	Hwalien district
58	"	18	12	04	(d)	81	"	21	18	26	Taitung district
59	"	19	06	12	(d)	82	"	21	18	46	"
60	"	19	14	56	(d)	83	"	22	04	36	"
61	"	19	15	28	Near Yushan	84	"	22	11	04	Hwalien district
62	"	19	15	34	Taitung district	85	"	22	18	20	(d)
63	"	19	21	57	Near Yushan	86	"	23	07	13	About 17km. NNW. of Hsinkong
64	"	20	01	54	Hwalien district	87	"	23	07	19	Taitung district
65	"	20	05	15	Taitung district	88	"	23	10	20	Hwalien district
66	"	20	05	39	Hwalien district	89	"	23	11	53	(d)
67	"	20	08	15	About 95km. ENE. of Hwalien	90	"	23	13	49	About 20km. NNE. of Hsinkong
68	"	20	15	31	Taitung district	91	"	23	16	16	(d)
69	"	20	15	39	Near Hsinkong	92	"	23	19	30	Northern district



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
93	Jan.	23	19	48	Northern district	116	Jan.	30	03	54	Taitung district
94	"	24	08	47	"	117	"	30	03	59	"
95	"	24	12	11	Hwalien district	118	"	30	07	25	Hwalien district
96	"	24	19	10	"	119	"	30	11	56	Taitung district
97	"	25	10	10	"	120	"	30	14	29	About 77km. ENE. of Hwalien
98	"	25	18	03	"	121	"	30	15	34	Hwalien district
99	"	26	04	49	(d)	122	"	30	16	59	Near Ilan
100	"	26	12	38	(d)	123	"	30	18	30	(d)
101	"	26	17	17	Taitung district	124	"	31	11	55	(d)
102	"	27	22	27	Near Hsinkong	125	"	31	15	22	Hwalien district
103	"	27	22	30	Hengchun district	126	"	31	22	08	(d)
104	"	27	23	17	Hwalien district	127	Feb.	1	12	58	(d)
105	"	28	00	43	Near Hsinkong	128	"	3	04	11	Near Hsinking
106	"	28	04	20	"	129	"	3	11	40	(d)
107	"	28	12	14	Taitung district	130	"	3	22	26	Hwalien district
108	"	29	07	03	Hengchun district	131	"	4	11	06	(d)
109	"	29	09	49	(d)	132	"	4	22	04	Near Hwalien
110	"	29	10	23	(d)	133	"	5	02	04	Near Alishan
111	"	29	14	56	Northern district	134	"	5	02	05	"
112	"	29	16	48	(d)	135	"	5	02	29	Near Hsinkong
113	"	29	19	29	About 45km. NE. of Hsinkong	136	"	5	04	27	Hwalien district
114	"	30	01	36	(d)	137	"	5	09	29	(d)
115	"	30	03	49	(d)	138	"	6	23	24	(d)

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
139	Feb.	7	02	07	Northern district	162	Feb.	13	11	42	(d)
140	"	7	05	35	Near Hwalien	163	"	13	12	43	About 56km. ENE. of Hsinkong
141	"	7	11	50	(d)	164	"	13	14	11	About 50km. S. of
142	"	7	12	01	About 130km. ENE. of Hsinkong	"	"	"	"	"	Hwalien
143	"	8	12	04	Near Tawu	165	"	13	14	21	(d)
144	"	8	12	13	(d)	166	"	14	14	42	(d)
145	"	8	21	02	Hwalien district	167	"	15	03	10	(d)
146	"	9	03	56	Taitung district	168	"	15	14	00	About 90km. ENE. of Hwalien
147	"	9	06	04	Near Alishan	169	"	15	15	58	(d)
148	"	9	07	25	Near Hsinkong	170	"	15	19	38	Near Hsinkong
149	"	9	11	56	(d)	171	"	16	03	39	Taitung district
150	"	9	16	48	Near Hsinkong	172	"	16	05	50	(d)
151	"	9	21	29	Near Hwalien	173	"	16	09	25	Taitung district
152	"	10	13	36	Near Hwalien	174	"	16	09	49	About 55km. ENE. of Ilan
153	"	10	14	49	(d)	175	"	16	14	01	Taitung district
154	"	10	16	12	(d)	176	"	16	16	50	(d)
155	"	10	16	50	Hwalien district	177	"	16	21	31	Near Hwalien
156	"	11	12	17	"	178	"	17	09	32	About 48km. SSE. of Tawu
157	"	11	17	10	"	179	"	18	09	36	(d)
158	"	11	21	02	(d)	180	"	19	03	16	About 25km. NE. of Yushan
159	"	11	22	19	Near Hwalien	181	"	19	06	26	Near Hwalien
160	"	12	05	47	(d)	182	"	19	13	23	Hwalien district
161	"	12	22	30	(d)	183	"	19	14	03	(d)



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
184	Feb.	19	18	13	Tainan district	207	Feb.	24	14	39	Hengchun district
185	"	19	18	15	Hengchun district	208	"	24	15	28	(d)
186	"	19	22	57	(d)	209	"	24	16	54	(d)
187	"	20	23	40	Taitung district	210	"	25	03	45	Hengchun district
188	"	20	23	54	(d)	211	"	25	03	47	"
189	"	21	00	24	Hwalien district	212	"	25	08	55	(d)
190	"	21	01	46	(d)	213	"	25	13	27	Taitung district
191	"	21	14	22	Northern district	214	"	25	18	13	Hengchun district
192	"	22	02	14	(d)	215	"	25	18	29	(d)
193	"	22	10	21	(d)	216	"	26	06	45	(d)
194	"	22	15	09	(d)	217	"	26	06	57	Hengchun district
195	"	22	17	56	(d)	218	"	26	11	05	Near Tawu
196	"	22	22	53	Near Hwalien	219	"	26	11	07	Near Hsinkong
197	"	22	23	49	Near Hsinkong	220	"	26	11	11	"
198	"	23	12	14	Near Alishan	221	"	26	11	24	"
199	"	23	41	17	Taitung district	222	"	26	03	27	"
200	"	23	16	19	Northern district	223	"	26	11	27	Near Tawu
201	"	24	01	24	Taitung district	224	"	26	11	32	Near Hsinkong
202	"	24	04	14	"	225	"	26	11	37	"
203	"	24	04	27	Near Hsinkong	226	"	26	11	38	"
204	"	24	06	23	About 209km. E. of Ilan	227	"	26	11	52	"
205	"	24	06	27	Near Hwalien	228	"	26	12	06	"
206	"	24	09	02	"	229	"	26	12	11	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
230	Feb.	26	12	15	Near Hsinkong	253	Eeb.	26	17	12	Taitung district
231	"	26	12	21	"	254	"	26	17	34	Near Taitung
232	"	26	12	27	Hengchun district	255	"	26	17	45	"
233	"	26	12	33	Taitung district	256	"	26	17	46	Taitung district
234	"	26	13	25	"	257	"	26	18	05	Near Taitung
235	"	26	13	31	Near Hsinkong	258	"	26	19	04	Taitung district
236	"	26	13	39	"	259	"	26	19	40	Near Taitung
237	"	26	14	14	"	260	"	26	19	43	"
238	"	26	14	19	"	261	"	26	19	48	"
239	"	26	14	20	"	262	"	26	20	01	"
240	"	26	14	44	"	263	"	26	20	09	About 25km. NE. of Taitung
241	"	26	15	14	Hengchun district	264	"	26	20	17	Near Taitung
242	"	26	15	39	"	265	"	26	20	17	"
243	"	26	15	15	Near Hsinkong	266	"	26	20	23	"
244	"	26	15	34	"	267	"	29	21	29	"
245	"	26	15	39	Taitung district	268	"	26	22	03	Taitung district
246	"	26	15	47	"	269	"	26	22	04	"
247	"	26	16	31	Hengchun district	270	"	26	22	06	"
248	"	26	16	43	Near Hsinkong	271	"	26	22	24	Near Hsinkong
249	"	26	17	02	"	272	"	26	22	31	Near Taitung
250	"	26	17	04	Near Taitung	273	"	26	22	37	"
251	"	26	17	07	"	274	"	26	23	06	"
252	"	26	17	09	Taitung district	275	"	26	23	17	(d)



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
276	Feb.	26	23	53	Near Taitung	299	Feb.	27	15	35	Near Taitung
277	"	27	01	33	"	300	"	27	15	46	"
278	"	27	01	48	Near Hsinkong	301	"	27	15	55	"
279	"	27	02	21	Near Taitung	302	"	27	17	16	Hwalien district
280	"	27	02	24	"	303	"	27	21	40	Near Taitung
281	"	27	04	50	"	304	"	27	22	39	"
282	"	27	05	23	(d)	305	"	27	23	08	Near Anpu
283	"	27	06	08	Near Taitung	306	"	28	00	25	Taitung district
284	"	27	07	03	"	307	"	28	00	43	Near Hsinkong
285	"	27	07	12	Near Hsinkong	308	"	28	00	51	Near Taitung
286	"	27	08	05	Near Taitung	309	"	28	00	54	"
287	"	27	08	14	Taitung district	310	"	28	01	03	"
288	"	27	08	27	Near Taitung	311	"	28	01	10	"
289	"	27	09	02	Near Hsinkong	312	"	28	01	12	"
290	"	27	09	10	"	313	"	28	02	23	Near Hsinkong
291	"	27	09	42	Near Taitung	314	"	28	02	47	Near Taitung
292	"	27	10	08	Near Hsinkong	315	"	28	05	03	Near Hsinkong
293	"	27	10	59	(d)	316	"	28	05	31	"
294	"	27	11	03	Near Hsinkong	317	"	28	05	49	Near Taitung
295	"	27	11	07	"	318	"	28	05	54	"
296	"	27	12	25	Near Taitung	319	"	28	07	20	"
297	"	27	13	24	"	320	"	28	12	11	(d)
298	"	27	15	15	"	321	"	28	12	15	Hengchun district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
322	Feb.	28	12	54	Near Taitung	345	Mer.	2	08	37	Taitung district
323	"	28	13	43	"	346	"	2	11	50	Hengchun district
324	"	28	23	45	"	347	"	2	13	13	Taitung district
325	"	28	18	16	"	348	"	2	16	21	(d)
326	"	28	21	36	"	349	"	2	22	12	(d)
327	"	28	22	28	Near Hsinkong	350	"	3	00	16	Taitung district
328	"	28	23	00	"	351	"	3	04	35	(d)
329	"	29	03	30	"	352	"	3	13	19	Taitung district
330	"	29	08	24	Near Taitung	353	"	3	22	59	(d)
331	"	29	08	38	"	354	"	4	03	12	Near yushan
332	"	29	10	06	"	355	"	4	09	52	Taitung district
333	"	29	13	00	"	356	"	4	14	50	About 35km. WSW. of Hsinkong
334	"	30	16	38	(d)	357	"	4	16	05	Taitung district
335	"	30	20	56	Near Taitung	358	"	4	17	50	Hwalien district
336	Mar.	1	09	46	Hengchun district	359	"	4	22	34	Near Taitung
337	"	1	11	36	Taitung district	360	"	5	00	32	(d)
338	"	1	16	06	Near Hsinkong	361	"	5	02	10	Taitung district
339	"	1	16	59	Taitung district	362	"	5	04	12	Near Taitung
340	"	1	18	46	(d)	363	"	5	04	56	Taitung district
341	"	1	21	46	Near Taitung	364	"	5	18	19	(d)
342	"	1	22	38	"	365	"	5	18	41	(d)
343	"	2	02	46	Taitung district	366	"	5	23	39	Near Hwalien
344	"	2	03	44	(d)	367	"	6	04	21	Near Taitung



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
368	Mar.	6	13	40	About 50km. WSW. of Ilan	391	Mar.	9	06	34	(d)
369	"	6	16	02	(d)	392	"	9	09	48	Near Taitung
370	"	6	18	29	Near Taitung	393	"	9	14	28	About 24km. WNW. of Taitung
371	"	6	19	16	Taitung district	394	"	9	15	25	(d)
372	"	6	20	28	"	395	"	10	00	13	Taitung district
373	"	6	20	32	"	396	"	10	04	05	(d)
374	"	6	20	48	Near Taitung	397	"	10	07	49	(d)
375	"	6	22	00	"	398	"	10	09	48	Near Hsinkong
376	"	7	02	53	"	399	"	10	13	21	About 22km. SSW. of Hsinkong
377	"	7	03	54	Near Ilan	400	"	10	13	53	Near Hsinkong
378	"	7	07	33	(d)	401	"	10	16	36	Taitung district
379	"	7	08	35	Hwalien district	402	"	10	19	24	"
380	"	7	13	30	(d)	403	"	10	20	55	"
381	"	7	21	40	Near Taitung	404	"	10	21	06	Near Taitung
382	"	8	00	29	"	405	"	11	05	33	About 70km. E. of Hengchun
383	"	8	01	49	"	406	"	11	08	38	(d)
384	"	8	05	06	"	407	"	11	23	49	(d)
385	"	8	05	46	Taitung district	408	"	12	16	33	Near Taitung
386	"	8	06	57	Near Hsinkong	409	"	12	17	28	Near Hwalien
387	"	8	21	54	Taitung district	410	"	12	18	35	(d)
388	"	8	17	21	(d)	411	"	12	21	32	(d)
389	"	9	00	13	About 30km. SE. of Taichung	412	"	13	05	56	Near Taitung
390	"	9	00	58	(d)	413	"	13	06	02	About 22km. SSW. of Hsinkog

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
414	Mar.	13	07	56	(d)	437	Mar.	16	13	19	Near Hwalien
415	"	13	08	43	Near Taitung	438	"	17	02	43	About 45km. ENE. of Alishan
416	"	13	20	28	"	439	"	17	06	15	Northern district
417	"	14	02	32	(d)	440	"	17	07	51	Near Taitung
418	"	14	02	58	Near Hwalien	441	"	17	13	09	"
419	"	14	05	34	Northern district	442	"	17	15	29	Hengchun district
420	"	14	05	38	Near Taitung	443	"	17	20	19	(d)
421	"	14	09	47	Northern district	444	"	18	00	36	Hwalien district
422	"	14	10	11	Taitung district	445	"	18	20	55	Near Tawu
423	"	14	12	11	Near Taitung	446	"	19	01	47	(d)
424	"	14	17	56	(d)	447	"	19	01	51	Taitung district
425	"	14	19	08	(d)	448	"	19	13	47	"
426	"	14	19	27	Hwalien district	449	"	19	18	10	Near Ilan
427	"	15	04	00	Near Taitung	450	"	19	22	52	Taitung district
428	"	15	05	55	(d)	451	"	20	00	42	Near Hsinkong
429	"	15	06	55	(d)	452	"	20	04	03	Northern district
430	"	15	17	55	(d)	453	"	20	04	13	(d)
431	"	16	03	32	Near Hsinkong	454	"	20	07	03	Hwalien district
432	"	16	08	14	Near Taitung	455	"	20	10	02	"
433	"	16	08	58	Near Anpu	456	"	20	12	26	(d)
434	"	16	12	05	Hwalien district	457	"	21	07	50	Near Taitung
435	"	16	12	34	(d)	458	"	21	08	55	Hwalien district
436	"	16	12	48	Hwalien district	459	"	21	16	20	"



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
460	Mar.	21	19	19	Hwalien district	483	Mar.	27	00	29	Near Hsinkong
461	"	22	08	24	Taitung district	484	"	27	00	33	Taitung district
462	"	22	09	20	(d)	485	"	27	04	05	"
463	"	22	10	06	Near Hsinkong	486	"	27	05	05	(d)
464	"	22	10	26	About 18km. WSW. of Taichung	487	"	27	19	03	(d)
465	"	22	19	36	(d)	488	"	27	20	13	Near Taitung
466	"	22	19	41	Hwalien district	489	"	27	22	43	(d)
467	"	22	20	43	(d)	490	"	28	01	02	(d)
468	"	23	04	17	About 25km. NE. of Yushan	491	"	28	04	24	Taitung ditrict
469	"	23	07	25	Taitung district	492	"	28	04	27	Near Taitung
470	"	23	08	21	Hwalien district	493	"	28	05	54	(d)
471	"	24	16	01	(d)	494	"	28	07	52	(d)
472	"	24	16	06	Taichung district	495	"	29	07	57	About 21km. NE. of Taitung
473	"	24	23	30	Near Hsinkog	496	"	29	08	33	Hwalien district
474	"	25	02	03	Near Hwalien	497	"	29	11	51	"
475	"	25	03	09	(d)	498	"	29	19	14	(d)
476	"	25	10	56	Near Hsinkong	499	"	29	19	44	Near Taitu g
477	"	25	11	24	"	500	"	30	09	09	(d)
478	"	26	00	47	(d)	501	"	30	18	09	Hwalien district
479	"	26	00	51	Taichung district	502	"	31	00	36	(d)
480	"	26	10	46	(d)	503	"	31	04	55	Near Hwalien
481	"	26	19	44	(d)	504	"	31	08	22	(d)
482	"	26	19	47	Hengchun district						

Major Earthquakes which Occurred in January, 1968

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			
KAU	1 Kaohsiung	13	ep	h. m. s. 07 03 29.1	μ	μ	μ	μ	μ	μ	s	s	s m	15.0	O	About 90km 0344
HWA	Hwalien		ip	03 54.6	+ 19.0	- 14.9	+ 48.7	3800	4900	1950	3.5	2.5	3.1	8.1	III	ESE. of Hwalien 04 03
HSI	Hsinkong		ip	04 02.1	+ 27.5	+ 29.4	- 20.7	-	-	-	-	-	-	18.4	II	122.4E 23.8N 04 20 (H=60)
ILA	Ilan		ip	04 03.9	-	-	-	5625	6300	2330	1.8	2.1	1.8	13.3	III	04 17
PNG	Penghu		p	04 07.0	-	-	-	600	531	-	2.9	2.3	-	30.8	O	04 38
AMP	Anpu		p	04 07.0	-	-	-	-	-	-	-	-	-	15.0	II	04 22
HSH	Hsinchu		ep	04 07.7	-	-	-	1200	1300	-	-	-	-	18.8	III	04 27
TTM	Taitung		ip	04 10.1	+ 12.0	+ 12.0	- 19.4	563	490	373	2.0	2.0	1.8	14.2	II	04 24
TCU	Taichung		ip	04 10.2	+ 7.9	+ 40.4	+ 97.6	1230	1494	1289	2.8	2.6	2.8	18.3	II	04 28
TAP	Taipei		ip	04 12.0	+ 222	- 95	+ 320	-	-	-	-	-	-	15.5	III	04 27
TAW	Tawu		ep	04 19.1	-	-	-	114	155	-	2.4	2.8	-	36.4	O	04 56
HEN	Hengchun		p	04 25.6	-	-	-	150	239	129	2.3	2.7	1.6	27.6	I	05 03
TAI	Tainan		p	04 26.0	-	-	-	-	-	-	-	-	-	23.6	O	05 00
YUS	Yushan		p	04 07.0	-	-	-	444	881	-	2.8	1.5	-	15.4	II	04 22
ALS	Alishan		p	04 12.4	-	-	-	518	578	-	3.8	3.3	-	10.0	II	04 22
	2 Tawu	14	ep	12 31 09.1	-	-	-	-	-	-	-	-	-	-	O	U.S.C.G.S. 37.8N 13.1E
	Hengchun		ep	31 15.0	-	-	-	-	-	-	-	-	-	-	O	Sicily belt
	Taitung		p	31 20.1	-	-	-	-	-	-	-	-	-	-	O	
	Hsinkong		ep	31 21.4	-	-	-	-	-	-	-	-	-	-	O	
	Hwalien		p	31 25.3	-	-	-	-	-	-	-	-	-	-	O	
	Ilan		ep	31 33.7	-	-	-	-	-	-	-	-	-	-	O	
	Anpu		p	31 37.0	-	-	-	-	-	-	-	-	-	7 13.0	O	



















### Corrigenda

Page	Line	Mistake	Correct
1	4	399 Among	399. Among
1	4	eart-hquakes	earth-quakes
1	7	oecurred	occurred
1	9	Aside	Bsides
5	1	felt aree is gaeater than	felt area is greater then
5	7	pistance	distance
5	9	hypocenter	epicenter
7 14		Taituug	Taitung
13		Eeb	Feb
13		Taiung	Taitung
15		Taitug	Taitung
15		yushan	Yushan



# 地震季報

第十五卷 第二號

中華民國五十七年四、五、六月

## SEISMOLOGICAL BULLETIN

April to June 1968

Vol. 15 No. 2

臺灣省氣象局

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TAIWAN PROVINCIAL WEATHER BUREAU

64, KUNG YUAN ROAD, TAIPEI TAIWAN, CHINA



### General Aspect of Earthquakes

From April to June, 1968.

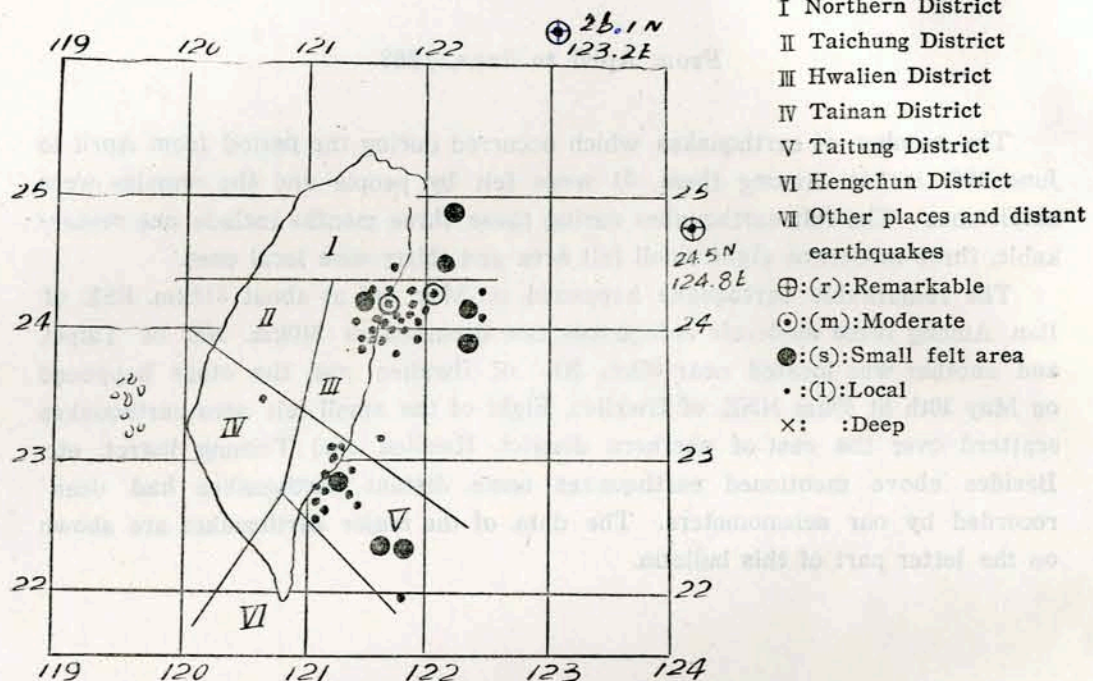
The number of earthquakes which occurred during the period from April to June, 1968 is 744. Among them, 51 were felt by people and the remains were unfelt ones. The felt earthquakes during these three months include one remarkable, three moderate, eight small felt area and thirty-nine local ones.

The remarkable earthquake happened on May 3rd at about 312km. ESE. of Ilan. Among three moderate earthquakes, one occurred at 210km. NE. of Taipei, and another was located near 65km. NE. of Hwalien, and the other happened on May 10th at 40km NNE. of Hwalien, Eight of the small felt area earthquakes scattered over the east of northern district, Hwalien, and Taitung district, etc. Besides above mentioned earthquakes some distant earthquakes had been recorded by our seismometers. The data of the major earthquakes are shown on the letter part of this bulletin.

No.	Date	Time	Location	Magnitude	Depth (km)	Remarks
1	4/1	10:00	Ilan	6.5	312	Remarkable
2	5/3	10:00	Taipei	5.5	210	Moderate
3	5/10	10:00	Hwalien	5.0	40	Moderate
4	5/15	10:00	Hwalien	4.5	65	Moderate
5	5/20	10:00	Taitung	4.0	-	Small felt area
6	5/25	10:00	Hwalien	4.0	-	Small felt area
7	5/30	10:00	Taitung	4.0	-	Small felt area
8	5/31	10:00	Hwalien	4.0	-	Small felt area
9	5/31	10:00	Taitung	4.0	-	Small felt area
10	5/31	10:00	Hwalien	4.0	-	Small felt area
11	5/31	10:00	Taitung	4.0	-	Small felt area
12	5/31	10:00	Hwalien	4.0	-	Small felt area
13	5/31	10:00	Taitung	4.0	-	Small felt area
14	5/31	10:00	Hwalien	4.0	-	Small felt area
15	5/31	10:00	Taitung	4.0	-	Small felt area
16	5/31	10:00	Hwalien	4.0	-	Small felt area
17	5/31	10:00	Taitung	4.0	-	Small felt area
18	5/31	10:00	Hwalien	4.0	-	Small felt area
19	5/31	10:00	Taitung	4.0	-	Small felt area
20	5/31	10:00	Hwalien	4.0	-	Small felt area
21	5/31	10:00	Taitung	4.0	-	Small felt area
22	5/31	10:00	Hwalien	4.0	-	Small felt area
23	5/31	10:00	Taitung	4.0	-	Small felt area
24	5/31	10:00	Hwalien	4.0	-	Small felt area
25	5/31	10:00	Taitung	4.0	-	Small felt area
26	5/31	10:00	Hwalien	4.0	-	Small felt area
27	5/31	10:00	Taitung	4.0	-	Small felt area
28	5/31	10:00	Hwalien	4.0	-	Small felt area
29	5/31	10:00	Taitung	4.0	-	Small felt area
30	5/31	10:00	Hwalien	4.0	-	Small felt area
31	5/31	10:00	Taitung	4.0	-	Small felt area
32	5/31	10:00	Hwalien	4.0	-	Small felt area
33	5/31	10:00	Taitung	4.0	-	Small felt area
34	5/31	10:00	Hwalien	4.0	-	Small felt area
35	5/31	10:00	Taitung	4.0	-	Small felt area
36	5/31	10:00	Hwalien	4.0	-	Small felt area
37	5/31	10:00	Taitung	4.0	-	Small felt area
38	5/31	10:00	Hwalien	4.0	-	Small felt area
39	5/31	10:00	Taitung	4.0	-	Small felt area
40	5/31	10:00	Hwalien	4.0	-	Small felt area
41	5/31	10:00	Taitung	4.0	-	Small felt area
42	5/31	10:00	Hwalien	4.0	-	Small felt area
43	5/31	10:00	Taitung	4.0	-	Small felt area
44	5/31	10:00	Hwalien	4.0	-	Small felt area
45	5/31	10:00	Taitung	4.0	-	Small felt area
46	5/31	10:00	Hwalien	4.0	-	Small felt area
47	5/31	10:00	Taitung	4.0	-	Small felt area
48	5/31	10:00	Hwalien	4.0	-	Small felt area
49	5/31	10:00	Taitung	4.0	-	Small felt area
50	5/31	10:00	Hwalien	4.0	-	Small felt area
51	5/31	10:00	Taitung	4.0	-	Small felt area
52	5/31	10:00	Hwalien	4.0	-	Small felt area
53	5/31	10:00	Taitung	4.0	-	Small felt area
54	5/31	10:00	Hwalien	4.0	-	Small felt area
55	5/31	10:00	Taitung	4.0	-	Small felt area
56	5/31	10:00	Hwalien	4.0	-	Small felt area
57	5/31	10:00	Taitung	4.0	-	Small felt area
58	5/31	10:00	Hwalien	4.0	-	Small felt area
59	5/31	10:00	Taitung	4.0	-	Small felt area
60	5/31	10:00	Hwalien	4.0	-	Small felt area
61	5/31	10:00	Taitung	4.0	-	Small felt area
62	5/31	10:00	Hwalien	4.0	-	Small felt area
63	5/31	10:00	Taitung	4.0	-	Small felt area
64	5/31	10:00	Hwalien	4.0	-	Small felt area
65	5/31	10:00	Taitung	4.0	-	Small felt area
66	5/31	10:00	Hwalien	4.0	-	Small felt area
67	5/31	10:00	Taitung	4.0	-	Small felt area
68	5/31	10:00	Hwalien	4.0	-	Small felt area
69	5/31	10:00	Taitung	4.0	-	Small felt area
70	5/31	10:00	Hwalien	4.0	-	Small felt area
71	5/31	10:00	Taitung	4.0	-	Small felt area
72	5/31	10:00	Hwalien	4.0	-	Small felt area
73	5/31	10:00	Taitung	4.0	-	Small felt area
74	5/31	10:00	Hwalien	4.0	-	Small felt area
75	5/31	10:00	Taitung	4.0	-	Small felt area
76	5/31	10:00	Hwalien	4.0	-	Small felt area
77	5/31	10:00	Taitung	4.0	-	Small felt area
78	5/31	10:00	Hwalien	4.0	-	Small felt area
79	5/31	10:00	Taitung	4.0	-	Small felt area
80	5/31	10:00	Hwalien	4.0	-	Small felt area
81	5/31	10:00	Taitung	4.0	-	Small felt area
82	5/31	10:00	Hwalien	4.0	-	Small felt area
83	5/31	10:00	Taitung	4.0	-	Small felt area
84	5/31	10:00	Hwalien	4.0	-	Small felt area
85	5/31	10:00	Taitung	4.0	-	Small felt area
86	5/31	10:00	Hwalien	4.0	-	Small felt area
87	5/31	10:00	Taitung	4.0	-	Small felt area
88	5/31	10:00	Hwalien	4.0	-	Small felt area
89	5/31	10:00	Taitung	4.0	-	Small felt area
90	5/31	10:00	Hwalien	4.0	-	Small felt area
91	5/31	10:00	Taitung	4.0	-	Small felt area
92	5/31	10:00	Hwalien	4.0	-	Small felt area
93	5/31	10:00	Taitung	4.0	-	Small felt area
94	5/31	10:00	Hwalien	4.0	-	Small felt area
95	5/31	10:00	Taitung	4.0	-	Small felt area
96	5/31	10:00	Hwalien	4.0	-	Small felt area
97	5/31	10:00	Taitung	4.0	-	Small felt area
98	5/31	10:00	Hwalien	4.0	-	Small felt area
99	5/31	10:00	Taitung	4.0	-	Small felt area
100	5/31	10:00	Hwalien	4.0	-	Small felt area



Epicenters of Felt Earthquakes From April to June 1968



Number of earthquakes classified according to it's magnitude and districts April to June 1968

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Remarkable	Moderate	Small felt area	Local	Total		
Northern District	1	—	2	1	4	66	70
Taichung "	—	—	—	—	0	20	20
Hwalien "	—	2	3	23	28	227	255
Tainan "	—	—	—	1	1	2	3
Taitung "	—	—	3	14	17	140	157
Hengchun "	—	—	—	—	0	15	15
Other places	1	—	—	—	1	223	224
<b>Total</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>39</b>	<b>51</b>	<b>693</b>	<b>744</b>

Felt earthquakes in the month from April to June, 1968.

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude	Longitude	Depth
		d.	h.	m.					
34	April	01	11	47	L				
35	"	02	23	56	"				10
36	"	03	07	56	"				15
37	"	03	08	01	"				20
38	"	03	10	52	"				5
39	"	04	12	56	"				20
40	"	10	13	24	S	22.8	121.2		20
41	"	14	22	05	L				0
42	"	23	05	18	S	24.5	122.1		35
43	"	28	18	32	L				0
44	"	28	18	43	"				
45	May	01	01	45	"				10
46	"	02	09	25	M	26.1	123.2		120
47	"	03	05	33	R	24.5	124.8		100
48	"	05	21	05	L				5
49	"	06	19	54	"				
50	"	08	05	01	"				50
51	"	08	19	48	S	24.2	122.2		00
52	"	09	12	20	L				
53	"	10	00	59	"				
54	"	10	09	01	"				
55	"	10	09	02	"				5
56	"	10	09	23	M	24.4	122.4		35
57	"	10	15	09	"	24.2	121.8		5
58	"	10	15	20	L				20



No.	Month	P. (G. M. T.)			Mag- nitude	Epicenter	Latitude		Longitude	Depth
		d.	h.	m.			N.	E.		
59	May	10	15	38	L	46km. NNE. of Hwalien				20
60	"	10	15	43	"	58km. NE. of Hwalien				10
61	"	10	16	21	"	33km. NNE. of Hwalien				20
62	"	10	20	33	S	42km. NNE. of Hwalien	24.4	122.7		10
63	"	10	20	37	L	"				
64	"	10	21	50	"	48km. NE. of Hwalien				5
65	"	10	22	18	"	86km. ENE. of Hwalien				15
66	"	11	00	29	"	15km. NNE. of Hwalien				20
67	"	11	01	22	"	55km. NE. of Hwalien				20
68	"	11	12	22	"	50km. NE. of Hwalien				30
69	"	13	09	28	"	Near Hwalien				
70	"	14	18	41	"	57km. NE. of Hwalien				20
71	"	16	13	04	"	26km. ENE. of Hwalien				30
72	"	23	15	53	"	Near Hsinkong				
73	"	28	18	12	"	10km. S. of Lanyu				45
74	June	01	12	25	S	47km. ENE. of Ilan	24.9	122.5		50
75	"	02	20	31	"	66km. ESE. of Hwalien	23.9	122.2		10
76	"	04	17	15	"	69km. ENE. of Tawu	22.4	121.5		35
77	"	08	08	55	L	Near Hsinkong				
78	"	08	09	20	"	15km. NNE. of Taitung				15
79	"	08	10	52	"	22km. NE. of Taitung				20
80	"	13	17	50	"	17km. ESE. of Hwalien				0
81	"	14	07	45	"	Near Hwalien				
82	"	16	12	23	"	10km. SSW. of Alishan				10
83	"	17	04	26	S	80km. ENE. of Tawu	22.4	121.7		40
84	"	24	23	08	L	33km. E. of Hwalien				10

Unfelt Earthquakes in the Month from April to June, 1968.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
505	Mar	31	23	07	(d)	527	April	03	10	58	Near Hsinkong
506	April	01	00	45	U.S.C.G.S. 32.5N132.2E Shikoku, Japan.	528	"	03	13	10	Near Hsinkong
507	"	01	07	16	U.S.C.G.S. 32.3N132.1E Shikoku, Japan.	529	"	03	15	23	(d)
508	"	01	09	05	U.S.C.G.S. 24.7N118.1E South Eastern Coast of Cqina.	530	"	03	15	40	Near Hsinkong
						531	"	03	15	49	Hwalien district
509	"	01	10	51	Near Taitung	532	"	04	00	02	Near Hwalien
510	"	01	15	25	Hengchun district	533	"	04	00	37	Near Taitung
511	"	02	00	24	(d)	534	"	04	04	53	Hwalien district
512	"	02	03	38	(d)	535	"	04	05	04	"
513	"	02	07	09	(d)	536	"	04	05	55	(d)
514	"	02	08	30	(d)	537	"	04	08	23	(d)
515	"	02	14	28	(d)	538	"	04	09	48	Taitung district
516	"	02	15	25	(d)	539	"	04	10	44	(d)
517	"	02	16	23	Near Alishan	540	"	04	18	16	(d)
518	"	02	16	38	Northern district	541	"	04	23	52	Near Taitung
519	"	02	19	26	(d)	542	"	05	00	17	Taitung district
520	"	03	01	36	(d)	543	"	05	02	00	Hengchun district
521	"	03	01	48	Taitung district	544	"	06	05	34	(d)
522	"	03	08	26	Near Taitung	545	"	06	07	59	Near Anpu
523	"	03	08	57	"	546	"	06	21	45	(d)
524	"	03	09	12	"	547	"	07	05	03	Northern district
525	"	03	10	19	"	548	"	07	08	53	Hwalien district
526	"	03	10	32	"	549	"	07	23	28	Near Alishan



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
550	April	08	00	11	(d)	573	April	14	13	10	Taitung district
551	"	08	06	25	Taitung district	574	"	15	08	34	(d)
552	"	08	06	59	Near Taitung	575	"	15	10	49	Near Taitung
553	"	09	02	39	(d)	576	"	15	20	20	Hwalien district
554	"	09	05	27	Near Hwalien	577	"	15	20	31	Near Taitung
555	"	10	13	48	Taitung district	578	"	16	14	14	(d)
556	"	10	14	20	Near Hsinkong	579	"	17	14	37	Near Anpu
557	"	10	16	16	Taitung district	580	"	17	15	07	Taitung district
558	"	10	16	33	"	581	"	17	15	15	(d)
559	"	10	17	06	Near Taitung	582	"	17	19	12	Taitung district
560	"	10	17	47	Near Hsinkong	583	"	17	20	13	(d)
561	"	10	18	01	Taitung district	584	"	19	00	05	Hwalien district
562	"	10	19	30	Near Taitung	585	"	19	02	33	Hengchun district
563	"	10	23	43	"	586	"	19	05	43	(d)
564	"	11	04	01	(d)	587	"	19	10	09	(d)
565	"	12	13	07	(d)	588	"	19	14	28	Hengchun district
566	"	12	19	46	(d)	589	"	20	03	36	Near Taitung
567	"	12	19	48	Hengchun district	590	"	20	07	42	(d)
568	"	13	03	47	Near Hsinkong	591	"	20	10	37	(d)
569	"	13	16	46	Near Taitung	592	"	20	12	30	Hwalien district
570	"	13	18	10	Taitung district	593	"	20	10	37	(d)
571	"	14	08	42	(d)	594	"	20	14	25	30km SSW. of Ilan
572	"	14	13	10	(d)	595	"	20	16	23	45km SW. of Ilan

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
596	April	21	08	39	U.S.C.G.S. 38.6N 143.0E off East Coast of Honshu Japan.	618	April	23	23	51	(d)
						619	"	25	01	40	(d)
597	"	21	09	39	Near Hsinkong	620	"	25	07	41	Hwalien district
598	"	21	16	55	(d)	621	"	25	13	44	Near Alishan
599	"	21	18	05	Near Taitung	622	"	25	21	37	(d)
600	"	21	19	47	Near Taichung	623	"	26	00	54	(d)
601	"	22	05	19	Northern district	624	"	26	15	45	(d)
602	"	22	07	13	Taitung district	625	"	26	18	44	(d)
603	"	22	08	17	Northern district	626	"	26	18	58	Near Ilan
604	"	22	13	10	(d)	627	"	26	23	10	(d)
605	"	22	18	56	Northern district	628	"	26	18	58	Northern district
606	"	22	20	40	(d)	629	"	27	01	29	(d)
607	"	22	20	45	Northern district	630	"	27	11	12	(d)
608	"	23	05	39	Hengchun district	631	"	28	04	25	(d)
609	"	23	05	48	"	632	"	28	07	51	Near Hwalien
610	"	23	08	17	Hwalien district	633	"	28	18	21	Hwalien district
611	"	23	09	28	Tainan district	634	"	28	19	02	"
612	"	23	17	48	Northern district	635	"	28	19	35	Near Hwalien
613	"	23	18	55	Hwalien district	636	"	29	00	48	(d)
614	"	23	20	27	Near Hwalien	637	"	29	01	48	Taitung district
615	"	23	20	40	Hwalien district	638	"	29	17	13	(d)
616	"	23	20	45	"	639	"	29	23	47	Hwalien district
617	"	23	20	47	"	640	"	29	23	52	Northern district



No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
		d. h. m.				d. h. m.	
641	April	30 00 05	Northern district	664	May	05 23 39	Near Hwalien
642	"	30 09 33	Taitung district	665	"	06 20 43	Northern district
643	"	30 13 53	(d)	666	"	07 00 46	Near Hwalien
644	"	30 23 36	Taitung district	667	"	07 00 48	Hwalien district
645	May	01 00 11	(d)	668	"	07 02 36	Near Taitung
646	"	01 04 36	(d)	669	"	07 04 36	(d)
647	"	01 08 49	(d)	670	"	07 07 11	Taitung district
648	"	01 11 00	(d)	671	"	07 08 15	Hwalien district
649	"	01 11 48	Near Hwalien	672	"	07 14 30	(d)
650	"	01 16 53	Taitung district	673	"	07 18 01	34km. ESE of Ilan
651	"	01 17 41	Near Anpu	674	"	07 18 36	50km. ENE of Hwalien
652	"	01 19 18	(d)	675	"	08 01 12	Near Hsinkong
653	"	01 22 57	30km. SE of Taichung	676	"	08 02 49	(d)
654	"	02 01 02	Near Alishan	677	"	08 05 00	Taitung district
655	"	02 13 04	25km. NE of Taitung	678	"	08 10 25	(d)
656	"	02 16 09	Northern District	679	"	08 11 50	(d)
657	"	02 20 09	Hwalien District	680	"	08 12 24	(d)
658	"	02 23 32	(d)	681	"	08 12 30	Hwalien district
659	"	03 06 08	40km. SSE of Ilan	682	"	08 12 46	Near Hwalien
660	"	03 22 03	Near Hsinkong	683	"	08 22 31	(d)
661	"	05 04 14	Taitung district	684	"	09 00 50	Taitung district
662	"	05 11 49	80km. ESE of Taipei	685	"	09 02 32	Hwalien "
663	"	05 14 32	Northern district	686	"	09 14 25	(d)

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
		d. h. m.				d. h. m.	
687	May	10 00 33	Near Hwalien	710	May	10 10 40	Hwalien district
688	"	10 02 15	"	711	"	10 10 41	"
689	"	10 08 59	30km. SSE of Ilan	712	"	10 10 50	Near Hwalien
690	"	10 09 00	"	713	"	10 10 57	"
691	"	10 09 01	Near Hwalien	714	"	10 10 57	Hwalien district
692	"	10 09 07	53km. S of Ilan	715	"	10 11 03	Near Hwalien
693	"	10 09 13	Hwalien district	716	"	10 11 12	"
694	"	10 09 37	65km. NE of Hwalien	717	"	10 11 25	"
695	"	10 09 38	"	718	"	10 11 32	"
696	"	10 09 46	Hwalien district	719	"	10 11 34	"
697	"	10 09 57	Hwalien district	720	"	10 11 34	Northern district
698	"	10 10 03	"	721	"	10 11 36	Hwalien district
699	"	10 10 05	"	722	"	10 11 38	"
700	"	10 10 09	"	723	"	10 11 54	Northern district
701	"	10 10 11	"	724	"	10 11 59	"
702	"	10 10 12	"	725	"	10 12 10	Hwalien district
703	"	10 10 17	58km. NNE. of Hwalien	726	"	10 12 22	Near Hwalien
704	"	10 10 29	38km. SSE. of Ilan	727	"	10 12 40	30km. NNE. of Hwalien
705	"	10 10 31	Hwalien district	728	"	10 12 47	Near Hwalien
706	"	10 10 31	"	729	"	10 12 52	"
707	"	10 10 36	Near Hwalien	730	"	10 13 14	"
708	"	10 10 37	Hwalien district	731	"	10 14 16	"
709	"	10 10 39	"	732	"	10 14 21	"



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
733	May	10	14	23	Taichung district	756	May	10	15	48	Near Hwalien
734	"	10	14	33	Near Hwalien	757	"	10	15	49	"
735	"	10	14	34	42km. NNE. of Hwalien	758	"	10	15	51	Hwalien district
736	"	10	14	36	Near Hwalien	759	"	10	16	01	"
737	"	10	14	39	"	760	"	10	16	13	Near Hwalien
738	"	10	15	02	"	761	"	10	16	19	Hwalien district
739	"	10	15	03	"	762	"	10	16	20	"
740	"	10	15	16	Hwalien district	763	"	10	16	44	Near Hwalien
741	"	10	15	16	"	764	"	10	16	50	40km. N. of Hwalien
742	"	10	15	17	Near Hwalien	765	"	10	17	06	Hwalien district
743	"	10	15	18	30km. NNE. of Hwalien	766	"	10	17	13	"
744	"	10	15	20	Near Hwalien	767	"	10	17	15	"
745	"	10	15	23	Near Hwalien	768	"	10	17	16	Near Hwalien
746	"	10	15	24	"	769	"	10	17	20	40km. SSE. of Ilan
747	"	10	15	25	"	770	"	10	17	27	Hwalien district
748	"	10	15	25	30km. N. of Hwalien	771	"	10	17	40	"
749	"	10	15	26	Hwalien district	772	"	10	17	48	"
750	"	10	15	30	"	773	"	10	18	09	"
751	"	10	15	31	"	774	"	10	18	21	35km. N. of Hwalien
752	"	10	15	32	32km. NE. of Hwalien	775	"	10	18	23	Hwalien district
753	"	10	15	35	"	776	"	10	18	25	"
754	"	10	15	37	Hwalien district	777	"	10	18	28	"
755	"	10	15	44	Near Taipei	778	"	10	18	47	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
779	May	10	18	52	Near Hwalien	802	May	10	21	57	48km. NE. of Hwalien
780	"	10	18	59	Hwalien district	803	"	10	23	04	44km. NNW. of Hwalien
781	"	10	19	04	"	804	"	10	22	23	Hwalien district
782	"	10	19	11	"	805	"	10	22	34	"
783	"	10	19	12	"	806	"	10	22	50	"
784	"	10	19	36	"	807	"	10	23	03	"
785	"	10	19	53	"	808	"	10	23	12	"
786	"	10	20	40	"	809	"	10	23	13	"
787	"	10	20	43	"	810	"	10	23	19	"
788	"	10	20	45	"	811	"	10	23	33	"
789	"	10	20	54	"	812	"	11	00	19	Taitung district
790	"	10	20	54	"	813	"	11	01	29	Near Hwalien
791	"	10	20	55	"	814	"	11	02	02	Hwalien district
792	"	10	20	55	"	815	"	11	03	13	"
793	"	10	20	56	"	816	"	11	05	00	"
794	"	10	20	59	"	817	"	11	05	34	"
795	"	10	21	00	38km. N. of Hwalien	818	"	11	06	07	Near Hwalien
796	"	10	21	01	Hwalien district	819	"	11	07	34	Hwalien district
797	"	10	21	03	"	820	"	11	09	18	"
798	"	10	21	06	"	821	"	11	10	25	57km. NE. of Hwalien
799	"	10	21	10	"	822	"	11	10	36	Near Taipei
800	"	10	21	24	"	823	"	11	11	22	Hwalien district
801	"	10	21	46	57km. NE. of Hwalien	824	"	11	11	33	"



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
825	May	11	11	57	Hwalien district	848		14	00	04	(d)
826	"	11	13	27	"	849	"	14	00	21	Taitung district
827	"	11	13	51	"	850	"	14	04	47	(d)
828	"	11	15	17	"	851	"	14	06	34	(d)
829	"	11	15	41	(d)	852	"	14	06	38	Northern district
830	"	11	15	46	Hwalien district	853	"	14	13	02	"
831	"	11	18	48	37km. N. of Hwalien	854	"	14	14	07	U.S.C.G.S. 29.9N, 129.4E Ryukyu, Islands, MAG 6.5(PAS)
832	"	11	20	35	Taitung district	855	"	14	14	14	(d)
833	"	12	03	44	Hwalien district	856	"	14	18	17	Near Hwalien
834	"	12	04	02	"	857	"	14	18	31	Hwalien district
835	"	12	04	03	Northern district	858	"	14	19	21	(d)
836	"	12	04	38	Taitung district	859	"	14	19	53	(d)
837	"	12	05	48	Northern district	860	"	14	21	24	Hwalien district
838	"	12	11	10	Hwalien district	861	"	15	00	34	(d)
839	"	12	20	31	"	862	"	15	08	05	(d)
840	"	13	00	48	Taitung district	863	"	15	11	10	(d)
841	"	13	01	30	(d)	864	"	15	12	46	(d)
842	"	13	02	17	(d)	865	"	15	15	12	(d)
843	"	13	03	24	(d)	866	"	15	21	30	Near Hwalien
844	"	13	07	17	Hwalien district	867	"	15	21	47	"
845	"	13	17	47	(d)	868	"	16	00	54	U.S.C.G.S. 40.8N 143.2E off East Cost Honshu Japan
846	"	13	22	35	Near Hwalien	869	"	16	05	50	Taitung district
847	"	13	23	07	Taitung district	870	"	16	06	36	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
871	May	16	06	42	Taitung district	894	May	16	22	02	Hwalien district
872	"	16	07	54	"	895	"	16	22	44	Near Hwalien
873	"	16	08	25	"	896	"	16	23	10	U.S.C.G.S 39.8N, 143.1E off East Coast of Honshu Japan
874	"	16	08	52	"	897	"	17	00	55	Hwalien district
875	"	16	09	03	"	898	"	17	01	05	"
876	"	16	10	44	U.S.C.G.S 41.5N 142.7E Hokkaido Japan	899	"	17	04	50	(d)
877	"	16	12	15	Taitung district	900	"	17	05	29	(d)
878	"	16	13	19	Hwalien district	901	"	17	05	35	Northern district
879	"	16	13	55	Taitung district	902	"	17	06	25	Hwalien district
880	"	16	14	09	"	903	"	17	06	34	(d)
881	"	10	14	24	Hwalien district	904	"	17	06	50	Hwalien district
882	"	16	14	38	"	905	"	17	10	48	U.S.C.G.S 39.6N, 143.4E off East Coast of Honshu Japan
883	"	16	16	19	U.S.C.G.S 39.7N, 143.6E off East Coast of Honshu Japan	906	"	17	11	23	Northern district
884	"	16	16	40	Taitung district	907	"	17	13	02	(d)
885	"	16	17	34	"	908	"	17	13	08	41.5N, 142.8E Hokkaido Japan
886	"	16	18	14	Near Hwalien	909	"	17	16	08	40.6N, 144.0E off East Coast of Honshu Japan
887	"	16	18	26	Hwalien district	910	"	17	16	12	(d)
888	"	16	18	26	"	911	"	17	16	19	Hwalien district
889	"	16	18	49	"	912	"	17	18	23	off East Coast of Honshu Japan
890	"	16	18	49	"	913	"	17	18	33	Hwalien district
891	"	16	19	22	(d)	914	"	17	19	34	Near Hwalien
892	"	16	20	28	Northern district	915	"	17	21	07	(d)
893	"	16	21	09	Taitung district	916	"	17	22	41	(d)



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
917	May	18	01	44	Taitung district	940	May	20	22	28	285km. ESE. of Hengchun
918	"	18	07	11	Hwalien district	941	"	20	22	47	Hwalien district
919	"	18	10	56	Hengchun district	942	"	20	23	14	Taitung district
920	"	18	15	46	(d)	943	"	20	23	48	"
921	"	19	04	17	(d)	944	"	21	04	17	"
922	"	19	05	59	Taitung district	945	"	21	04	21	(d)
923	"	19	11	27	Near Hsinkong	946	"	21	08	26	44.9N, 150.2E Kurile Islands Region
924	"	19	11	53	(d)	947	"	21	10	53	20.2N, 122.0E Philippine Islands Region
925	"	19	15	09	(d)	948	"	21	11	12	Taitung district
926	"	19	17	04	Northern district	949	"	21	11	33	"
927	"	19	22	22	(d)	950	"	21	15	20	(d)
928	"	19	22	22	Taitung district	951	"	21	19	00	(d)
929	"	20	03	22	40.0N, 144.0E off East of Honshu, Japan	952	"	22	03	36	60km. ENE. of Ilan
930	"	20	06	19	Hwalien district	953	"	22	10	57	41.5N, 142.8E Hokkaido Japan
931	"	20	06	59	40.3N, 143.7E off East Coast of Honshu Japan	954	"	22	18	49	(d)
932	"	20	08	25	Hengchun district	955	"	22	19	34	(d)
933	"	20	10	41	(d)	956	"	22	22	36	(d)
934	"	20	11	23	Hwalien district	957	"	22	22	45	Taitung district
935	"	20	12	30	60km. ESE. of Ilan	958	"	23	02	26	Near Hsinkong
936	"	20	14	30	Hwalien district	959	"	23	02	36	Near Taipei
937	"	20	17	39	(d)	960	"	23	14	35	(d)
938	"	20	20	18	30.7S, 178.4W Kermadec Islands Region	961	"	23	17	36	(d)
939	"	20	21	16	44.8N, 150.3E Kurile Islands Region	962	"	23	19	17	277km. SE. of Hengchun

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
963	May	24	02	19	Hwalien district	986	May	27	07	30	(d)
964	"	24	02	22	"	987	"	27	10	49	(d)
965	"	24	10	50	"	988	"	27	19	04	Hwalien district
966	"	24	10	50	"	989	"	27	20	50	Northern district
967	"	24	14	12	40.9N, 143.0E off East Coast of Honshu, Japan	990	"	28	09	19	(d)
968	"	24	15	49	6.8S, 118.9E Flores sea	991	"	28	13	13	Taichung district
969	"	24	15	54	Northern district	992	"	28	13	33	(d)
970	"	24	19	01	Hengchun district	993	"	28	22	38	(d)
971	"	24	21	39	(d)	994	"	29	09	00	(d)
972	"	24	23	01	Near Hsinkong	995	"	29	14	03	Near Hwalien
973	"	25	11	58	(d)	996	"	29	14	25	Hwalien district
974	"	25	14	06	Near Hwalien	997	"	29	15	03	(d)
975	"	25	14	28	(d)	998	"	29	15	11	Hwalien district
976	"	26	00	49	Near Hwalien	999	"	29	19	40	Near Hwalien
977	"	26	02	35	(d)	1000	"	30	05	30	(d)
978	"	26	04	13	(d)	1001	"	30	10	02	(d)
979	"	26	06	53	Near Hsinkong	1002	"	30	10	33	Northern district
980	"	26	06	54	Taitung district	1003	"	30	12	05	Near Hwalien
981	"	26	12	36	Near Hsinkong	1004	"	30	18	02	(d)
982	"	26	15	05	(d)	1005	"	30	18	13	Tainan district
983	"	26	17	54	(d)	1006	"	30	19	55	(d)
984	"	26	20	47	(d)	1007	"	30	22	36	Northern district
985	"	26	23	09	(d)	1008	"	31	01	18	Near Hsinkong



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1009	May	31	20	02	(d)	1032	June	05	21	01	Hwalien district
1010	June	01	01	20	Taitung district	1033	"	05	21	56	Near Hwalien
1011	"	01	07	00	Near Alishan	1034	"	06	19	46	U.S.C.G.S 14.9N, 119.9E Luzon Philippine Islands
1012	"	01	08	31	Taitung district	1035	"	06	21	22	(d)
1013	"	01	10	36	(d)	1036	"	06	22	37	Taichung district
1014	"	01	10	49	Near Alishan	1037	"	06	22	47	(d)
1015	"	02	08	10	(d)	1038	"	07	00	57	Near Hwalien
1016	"	02	08	27	Taitung district	1039	"	07	12	03	(d)
1017	"	03	08	36	(d)	1040	"	07	16	15	Taitung district
1018	"	03	09	26	(d)	1041	"	07	19	59	"
1019	"	03	14	22	(d)	1042	"	07	21	27	U.S.C.G.S 2.1S, 120.5E Celebos
1020	"	03	18	31	(d)	1043	"	08	00	25	(d)
1021	"	03	20	41	Near Hwalien	1044	"	08	01	27	Near Hsinkong
1022	"	03	08	00	Hengchun district	1045	"	08	02	50	Taitung district
1023	"	04	15	04	(d)	1046	"	08	05	36	(d)
1024	"	04	15	28	Hengchun district	1047	"	08	09	14	Taitung district
1025	"	04	16	22	Near Tawu	1048	"	08	09	36	"
1026	"	04	21	57	Taitung district	1049	"	08	11	21	"
1027	"	05	00	22	Northern district	1050	"	08	19	08	Near Hsinkong
1028	"	05	04	05	Near Hsinkong	1051	"	08	19	46	Near Hsinkong
1029	"	05	07	00	(d)	1052	"	08	20	35	Near Anpu
1030	"	05	12	50	(d)	1053	"	08	20	50	355km. E. of Anpu
1031	"	05	13	04	Near Taitung	1054	"	08	21	04	(d)

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1055	June	08	21	44	(d)	1079	June	13	00	10	Taitung district
1056	"	08	21	51	Hengchun district	1080	"	13	01	57	(d)
1057	"	09	06	04	Near Hwalien	1081	"	13	02	11	(d)
1058	"	09	09	15	Near Hsinkong	1082	"	13	06	42	(d)
1059	"	10	03	52	(d)	1083	"	13	06	59	Near Hwalien
1060	"	10	04	29	Northern district	1084	"	13	08	58	(d)
1061	"	10	05	50	(d)	1085	"	13	12	03	Taitung district
1062	"	10	10	03	Near Hsinkong	1086	"	13	12	06	(d)
1063	"	11	10	18	(d)	1087	"	13	15	07	(d)
1064	"	11	21	13	(d)	1088	"	13	21	16	(d)
1065	"	11	22	43	(d)	1089	"	14	00	57	(d)
1066	"	12	06	03	Taitung district	1090	"	14	03	23	(d)
1067	"	12	13	47	(d)	1091	"	14	03	37	Near Alishan
1068	"	12	14	23	Taitung district	1092	"	14	03	45	"
1069	"	12	15	54	"	1093	"	14	11	13	Hwalien district
1070	"	12	16	49	"	1094	"	14	11	58	Taitung district
1071	"	12	16	59	Near Hwalien	1095	"	14	12	01	(d)
1072	"	12	17	57	Taitung district	1096	"	14	13	42	(d)
1073	"	12	17	59	Northern district	1097	"	15	02	19	(d)
1074	"	12	19	01	Taitung district	1098	"	15	03	41	(d)
1075	"	12	20	26	"	1099	"	15	06	00	(d)
1076	"	12	22	03	(d)	1100	"	15	06	10	Hwalien district
1077	"	12	22	21	Taitung district	1101	"	15	07	28	(d)
1078	"	12	23	29	(d)	1102	"	15	09	00	Taichung district



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1103	June	15	09	00	Near Hsinkong	1127	June	18	06	52	Near Alishan
1104	"	15	11	38	(d)	1128	"	18	12	19	Northern district
1105	"	15	13	15	Near Hwalien	1129	"	18	22	18	Taitung district
1106	"	15	13	34	(d)	1130	"	19	01	43	(d)
1107	"	15	17	44	Near Hsinkong	1131	"	19	08	33	(d)
1108	"	15	17	54	"	1132	"	19	09	27	(d)
1109	"	15	20	02	(d)	1133	"	19	18	16	(d)
1110	"	16	04	07	(d)	1134	"	20	02	18	Near Taitung
1111	"	16	06	03	(d)	1135	"	20	03	49	(d)
1112	"	16	10	02	Taitung district	1136	"	20	08	24	Northern district
1113	"	16	10	35	"	1137	"	20	19	23	(d)
1114	"	16	16	40	(d)	1138	"	21	01	38	(d)
1115	"	16	19	35	(d)	1139	"	21	07	57	Hwalien district
1116	"	16	21	07	Northern district	1140	"	21	17	16	Near Hsinkong
1117	"	17	00	01	"	1141	"	22	01	18	U.S.C.G.S 40.3N, 143.7E off East Coast of Honshu Japan
1118	"	17	07	38	(d)	1142	"	22	09	40	Northern district
1119	"	17	08	03	Hwalien district	1143	"	22	12	01	Near Ilan
1120	"	17	11	58	(d)	1144	"	22	12	17	(d)
1121	"	17	15	00	Near Alishan	1145	"	22	12	55	(d)
1122	"	17	16	58	(d)	1146	"	22	14	06	Taitung district
1123	"	17	17	02	Taitung district	1147	"	22	15	00	"
1124	"	17	18	19	(d)	1148	"	22	18	50	Near Ilan
1125	"	17	19	03	(d)	1149	"	23	05	33	(d)
1126	"	18	04	39	Hengchun district						

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1150	June	23	09	50	(d)	1174	June	27	17	12	Northern district
1151	"	23	10	16	Near Alisha	1175	"	27	20	02	Taitung district
1152	"	23	18	24	(d)	1176	"	27	22	04	(d)
1153	"	24	10	59	Hwalien district	1177	"	27	22	14	Taitung district
1154	"	24	23	13	Near Hwalien	1178	"	28	03	07	14km. E. of Hsinkong
1155	"	25	07	31	Northern district	1179	"	28	07	49	Northern district
1156	"	25	07	54	Taitung district	1180	"	28	09	42	(d)
1157	"	25	22	39	90km. ENE. of Hwalien	1181	"	28	14	30	Taitung district
1158	"	25	23	35	(d)	1182	"	28	14	34	(d)
1159	"	26	01	15	(d)	1183	"	28	16	17	33km. SSW. of Hwalien
1160	"	26	02	05	(d)	1184	"	28	16	30	Taichung district
1161	"	26	05	39	Near Anpu	1185	"	28	20	01	Taitung district
1162	"	26	05	43	Northern district	1186	"	28	23	21	Northern district
1163	"	26	05	49	Near Anpu	1187	"	29	04	33	(d)
1164	"	26	10	29	(d)	1188	"	29	16	49	(d)
1165	"	26	15	40	Northern district	1189	"	30	00	05	Taichung district
1166	"	26	15	51	Taitung district	1190	"	30	00	08	"
1167	"	26	23	56	Hwalien district	1191	"	30	09	37	Taitung district
1168	"	27	06	53	"	1192	"	30	09	41	(d)
1169	"	27	14	23	Near Hsinkong	1193	"	30	10	36	Taitung district
1170	"	27	16	27	"	1194	"	30	13	18	(d)
1171	"	27	16	53	(d)	1195	"	30	13	22	Near Hsinkong
1172	"	27	17	02	Northern district	1196	"	30	19	46	Taitung district
1173	"	27	17	08	(d)	1197	"	30	20	53	(d)







No.	Station	Date	Phase	P.		Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				(G.M.T.)	(G.M.T.)	N	E	Z	N	E	Z	N	E	Z				
4	Hwalien	3	p	h. m. s.	15.9	μ	μ	μ	136	123	μ	S.	S.	S.	M. S.	16.9	O	
	Hengchun	"	ep		18.6	-	-	-	-	-	-	-	-	-	-	8.9	O	
	Kaoh-siung	"	p		19.0	-	-	-	-	-	-	-	-	-	-	18.0	O	
	Yushung	"	p		22.0	-	-	-	-	-	-	-	-	-	-	10.0	O	
	Taichung	"	p		25.5	-	-	-	-	-	-	-	-	-	-	16.7	O	
	Hsinchu	"	p		30.6	-	-	-	-	-	-	-	-	-	-	31.6	O	
	Ilan	"	ep	07 57	37.1	-	-	-	-	-	-	-	-	-	-	18.8	O	
	Anpu	"	p		37.9	-	-	-	-	-	-	-	-	-	-	40.1	O	
	Taipei	"	p		43.2	-	-	-	-	-	-	-	-	-	-	28.0	O	
5	Taitung	10	ip	13 24	41.4	8-	6+	82	-	-	-	-	-	-	3.6	III	17km NE. of Taitung	
	Hsinkong	"	ip		43.6	-	-	-	-	-	-	-	-	-	5.2	III	22.8N,121.2E	
	Yushan	"	p		44.7	-	-	-	-	-	-	-	-	-	6.5	I	H=20km (S)	
	Tawu	"	p		48.5	-	-	-	-	-	-	-	-	-	7.9	O		
	Alishan	"	p		51.6	18+	6-	7	-	-	-	-	-	-	11.1	I		
	Hwalien	"	p		56.4	1-	2-	-	182	240	-	2.8	2.3	-	17.0	O		
	Kaoh-siung	"	p		57.5	-	-	-	-	-	-	-	-	-	12.0	O		
	Hengchun	"	ep		59.0	-	-	-	-	-	-	-	-	-	6.1	O		
	Tainan	"	p	25	01.4	-	-	-	-	-	-	-	-	-	13.6	O		
	Taichung	"	p		03.6	-	-	-	220	147	97	2.6	2.4	2.1	18.6	I		
	Ilan	"	ep		14.2	-	-	-	-	-	-	-	-	-	20.8	O		
	Penghu	"	p		16.1	-	-	-	-	-	-	-	-	-	14.0	O		
	Anpu	"	p		16.5	-	-	-	-	-	-	-	-	-	8.5	O		
	Hsinchu	"	ep		17.8	-	-	-	-	-	-	-	-	-	24.4	O		

No.	Station	Date	Phase	P.		Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
				(G.M.T.)	(G.M.T.)	N	E	Z	N	E	Z	N	E	Z				
5	Taipei	10	ep	h. m. s.	19.8	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.	24.9	O	
6	Kaoh-siung	23	p	05 17	58.1	-	-	-	-	-	-	-	-	-	-	12.4	O	45km. SE. of Ilan
	Hwalien	"	ip	18	22.6	+	2+	4-	9	-	-	-	-	-	-	10.9	I	24.5N,122.1E
	Ilan	"	ip		27.3	+	4-	5+	16	-	-	-	-	-	-	6.2	II	H=35km (S)
	Hsinchu	"	ep		32.0	-	-	-	-	-	-	-	-	-	-	12.9	I	
	Taipei	"	p		33.1	-	-	-	210	300	55	0.7	0.9	0.7	10.0	II		
	Hsinkong	"	p		37.8	-	-	-	-	-	-	-	-	-	-	18.9	O	
	Taichung	"	p		39.3	-	-	-	-	-	-	-	-	-	-	18.5	O	
	Yushan	"	p	05 18	40.5	-	-	-	-	-	-	-	-	-	-	19.2	O	
	Alishan	"	ep		42.2	-	-	-	-	-	-	-	-	-	-	18.9	O	
	Taitung	"	p		48.8	-	-	-	-	-	-	-	-	-	-	-	O	
	Penghu	"	p		50.4	-	-	-	-	-	-	-	-	-	-	21.0	O	
	Tawu	"	p		54.1	-	-	-	-	-	-	-	-	-	-	-	O	
	Tainan	"	p		55.0	-	-	-	-	-	-	-	-	-	-	28.5	O	



Major Earthquakes which occurred in May 1968.

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					
				μ	μ	μ	S.	S.	S.	M.	S.									
1	Ilan	1	ip	01	45	35.7	-	8+	8-	10	340	345	μ	2.2	2.0	-	3.7	II	20km. SSE. of Ilan H=10km	
	Taipei	"	ip				41.4	+	14±	0+	18	-	211	-	-	1.5	-	7.5	I	
	Hwalien	"	p				41.6	-	-	-	112	74	54	3.2	2.8	2.3	6.3	I		
	Anpu	"	p				43.3	-	-	-	-	-	-	-	-	-	9.7	O		
	Hsinchu	"	ep				43.8	-	-	-	-	-	-	-	-	-	9.2	O		
	Taichung	"	p				50.8	-	-	-	-	-	-	-	-	-	15.7	O		
	Yushan	"	p				53.6	-	-	-	-	-	-	-	-	-	21.0	O		
	Hsinkong	"	ep				55.1	-	-	-	-	-	-	-	-	-	21.0	O		
	Alishan	"	ep				58.0	-	-	-	-	-	-	-	-	-	25.8	O		
	Taitung	"	p	46	07.7			-	-	-	-	-	-	-	-	-	22.5	O		
	Tawu	"	ep				14.3	-	-	-	-	-	-	-	-	-	29.0	O		
	Tainan	"	p				18.5	-	-	-	-	-	-	-	-	-	-	O		
	Hengchun	"	ep				24.6	-	-	-	-	-	-	-	-	-	-	O		
2	Ilan	2	p	09	25	42.9		-	-	-	-	-	233	-	-	2.1	23.1	II	210km. NE. of Taipei 26.1N,123.2E (H=120km) (m)	
	Hsinchu	"	p				46.2	-	-	-	-	-	-	-	-	-	20.8	O		
	Hwalien	"	p				47.6	-	-	-	128	98	70	1.8	2.3	2.2	15.6	I		
	Taipei	"	ep				50.5	-	-	-	-	-	-	-	-	-	24.8	II		
	Anpu	"	p				58.2	-	-	-	-	-	-	-	-	-	20.7	O		
	Taichung	"	ip				58.3	-	-	-	-	-	-	-	-	-	34.6	O		
	Alishan	"	ep				59.2	-	-	-	-	-	-	-	-	-	38.4	O		
	Yushan	"	p	26	03.0			-	-	-	-	-	-	-	-	-	38.6	O		
	Taitung	"	p				12.4	-	-	-	-	-	-	-	-	-	47.7	O		

No.	Station	Date	Phase	P. (G.M.T.)		Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks						
				h.	m.	N	E	Z	N	E	Z	N	E	Z									
				μ	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.				S.					
2	Tainan	2	p			h.	m.	s.	19.0	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	46.6	O		
	Hsinkong	"	ep						19.1	-	-	-	-	-	-	-	-	-	-	25.3	O		
	Tawu	"	ep						41.3	-	-	-	-	-	-	-	-	-	-	-	O		
	Hengchun	"	ep						51.1	-	-	-	-	-	-	-	-	-	-	-	31.7	O	
3	Ilan	3	p	05	33	31.1		-	-	-	216	224	128	3.4	3.6	2.1	31.2	I	312km. ESE. of Ilan 24.5N,124.8E				
	Anpu	"	p						31.7	-	-	-	-	-	-	-	-	-	-	37.0	O		
	Hwalien	"	p						32.0	-	-	-	222	195	90	4.0	3.7	2.6	18.2	O	H=100km (r)		
	Taipei	"	p						32.6	-	-	-	-	-	-	-	-	-	-	33.8	O		
	Hsinkong	"	ip						36.6	+	4.2	+	6.7	-	133	104	-	0.3	0.3	-	40.2	I	
	Hsinchu	"	ep						37.0	-	-	-	-	-	-	-	-	-	-	50.8	O		
	Alishan	"	ep						44.3	-	-	-	-	-	-	-	-	-	-	41.7	O		
	Taichung	"	ep						45.2	-	-	-	-	-	-	-	-	-	-	42.5	O		
	Yushan	"	p						45.3	-	-	-	-	-	-	-	-	-	-	40.1	O		
	Taitung	"	ip						45.7	-	7-	4-	3	262	218	127	1.6	1.2	-	43.6	O		
	Tawu	"	ep						49.4	-	-	-	-	-	-	-	-	-	-	47.4	O		
	Hengchun	"	p						55.8	-	-	-	-	-	-	-	-	-	-	49.2	I		
	Tainan	"	p						56.1	-	-	-	-	-	-	-	-	-	-	-	O		
	Kaoh-siung	"	p						57.8	-	-	-	-	-	-	-	-	-	-	26.2	O		
4	Hwalien	8	p	19	48	21.6		-	-	-	-	55	-	-	2.1	-	7.5	O	73km. ENE. of Hwalien 24.2N,122.2E				
	Ilan	"	ip						30.5	-	9+	10	-	100	108	-	1.0	1.0	-	10.0	I		
	Anpu	"	p						34.2	-	-	-	-	-	-	-	-	-	-	16.8	O	(H=60km)	
	Taipei	"	ep						37.0	-	-	-	-	-	-	-	-	-	-	13.0	I	(S)	
	Hsinkong	"	p						38.0	-	-	-	-	-	-	-	-	-	-	15.5	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						
				h. m.	s.	μ	μ	μ	μ	μ	μ	S.	S.	S.				M. S.		
8	Ilan	14	ip	14 07	08.6	+	13	+	13	+	6	103	134	41	3.2	4.9	4.1	01 25.3	O	U.S.C.G.S.
	Taipei	"	p		09.2	-		-		-								01 31.3	O	29.9N, 129.4E
	Hwalien	"	p		11.5	-		-		-		1780	1100	115	22.0	15.0	8.5	42.1	O	Ryukyu Islands
	Hsinchu	"	p		16.5	-		-		-								02 20.0	O	MAG 6½
	Alishan	"	p		22.7	-		-		-								02 06.2	O	(PAS) (d)
	Hsinkong	"	ep		24.4	-		-		-								50.6	O	
	Yushan	"	p		25.3	-		-		-								8.5	O	
	Taichung	"	ep		26.0	-		-		-								01 49.5	O	
	Taitung	"	ep		28.2	-		-		-								01 13.8	O	
	Tawu	"	ep		37.2	-		-		-									O	
	Tainan	"	ep		43.0	-		-		-								01 39.0	O	
	Hengchun	"	ep		43.5	-		-		-									O	
	Kaoh-siung	"	p		44.1	-		-		-								01 40.3	O	
9	Anpu	16	p	00 54	12.2	-		-		-								04 43.8	O	U.S.C.G.S.
	Taipei	"	ep		12.5	-		-		-		5375			14.5			04 31.5	O	40.8N, 143.2E
	Yushan	"	p		20.0	-		-		-								05 00.0	O	off East Coast
	Ilan	"	p		21.8	-		-		-		363	34.5		14.6	17.0		04 32.8	O	Honshu, Japan
	Hwalien	"	ep		30.7	-		-		-		10800	10200	6700	37.0	39.0	30.0	04 25.3	O	MAG 8.2 (PAS)
	Hsinkong	"	ep		31.0	-		-		-								04 39.8	O	(d)
	Taichung	"	ep		31.3	-		-		-		7000	5000	864	15.3	14.9	04 35.6	O		
	Alishan	"	ep		33.3	-		-		-								06 54.7	O	
	Taitung	"	p		35.3	-		-		-		521	566	305	16.3	15.8	14.7	04 51.5	O	
	Tawu	"	ep		39.0	-		-		-		2837	4587		16.1	16.9		04 54.9	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							
				h. m.	s.	μ	μ	μ	μ	μ	μ	S.	S.	S.				M. S.			
9	Tainan	16	ep	00 54	43.3	μ	μ	μ	μ	μ	μ							04 32.9	O		
	Kaoh-siung	"	p		43.8	-		-		-								04 33.0	O		
	Hengchun	"	p		44.9	-		-		-								03 33.9	O		
	Penghu	"	p		57.2	-		-		-		213	244		15.0	16.0		03 35.8	O		
	Hsinchu	"	ep	55 20.3		-		-		-								04 38.7	O		
10	Anpu	16	p	10 44	14.0	-		-		-								04 15.0	O	U.S.C.G.S.	
	Taipei	"	p		15.2	-		-		-		3250	1600	160	17.0	16.2	16.0	04 14.6	O	41.5N, 142.7E	
	Ilan	"	ip		17.2	-	13	-	13	+								04 05.0	O	Hokkaido, Japan	
	Yushan	"	p		18.2	-		-		-									O	Region	
	Hwalien	"	p		18.4	+		+		+		4150	4950	2830	27.0	30.0	22.0	04 31.4	O	MAG. 7 (PAS)	
	Hsinchu	"	ep		20.7	-		-		-								04 43.8	O		
	Taichung	"	ep		27.0	-		-		-		362	437	91	17.7	15.5	15.4	04 29.3	O		
	Hsinkong	"	p		29.7	-		-		-								01 28.5	O		
	Alishan	"	ep		31.1	-		-		-								08 08.7	O		
	Taitung	"	p		35.1	-		-		-		152	118	60	17.6	10.2	4.8	05 32.1	O		
	Tawu	"	ep		36.9	-		-		-		1000	1900		18.3	21.5		04 39.0	O		
	Tainan	"	p		38.6	-		-		-								04 27.6	O		
	Kaoh-siung	"	p		39.0	-		-		-								04 28.0	O		
	Penghu	"	p		43.6	-		-		-								04 48.9	O		
	Hengchun	"	ip		43.9	-	0.8	-	0.9										58.1	O	
11	Anpu	16	p	16 18	53.5	-		-		-								04 15.5	O	U.S.C.G.S.	
	Taipei	"	ep		58.3	-		-		-								04 21.5	O	39.7N, 143.6E	
	Tawu	"	p	19 07.2		-		-		-									O	Coast of	



No.	Station	Date	Phase	P.		Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G.M.T)	(G.M.T)	N	E	Z	N	E	Z	N	E	Z			
11	Hsinkong	16	ep	h. m. s.	16 19 10.0	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.	0	Honshu, Japan
	Taitung	"	p	19 13.1											04 32.8	0	MAG.
	Taichung	"	ep	15.1											04 25.2	0	6.4~6.6 (BRK) (d)
	Ilan	"	ep	19.6											0	0	
	Hengchun	"	ep	29.2											0	0	
	Tainan	"	ep	32.9											0	0	
	Hwalien	"	ep	35.8											0	0	
12	Anpu	16	p	23 09 59.8											04 10.2	0	U.S.C.G.S. 39.8N,143.1E
	Taipei	"	ep	10 03.7											04 09.8	0	off East Coast of Honshu
	Ilan	"	ep	05.3											22.2	0	Japan MAG.
	Hwalien	"	ep	05.7						320			25.0		0	0	
	Taichung	"	ep	14.3											04 29.8	0	6.4~6.7 (BRK) (d)
	Hsinkong	"	p	14.4											04 32.9	0	
	Alishan	"	ep	20.6											07 07.4	0	
	Taitung	"	ip	22.0 + 9 + 14											04 30.7	0	
	Tawu	"	p	23.4											0 430.3	0	
	Tainan	"	ep	26.0											04 30.0	0	
	Kaoh-siung	"	p	26.4											04 30.1	0	
	Hengchun	"	ep	30.6											0	0	
13	Anpu	17	p	10 47 52.0											04 2.20	0	U.S.C.G.S. 39.6N,143.4E
	Tawu	"	ep	48 12.9											0	0	off East Coast of Honshu, Japan
	Taitung	"	p	14.7											0	0	
	Hengchun	"	ep	25.5											0	0	

No.	Station	Date	Phase	P.		Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G.M.T)	(G.M.T)	N	E	Z	N	E	Z	N	E	Z			
13	Taipei	17	e	h. m. s.	10 56 27.3	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.	0	
14	Ilan	17	ep	16 07 38.8												0	U.S.C.G.S. 39.6N,143.4E
	Anpu	"	p	42.0											04 28.0	0	off East Coast of Honshu, Japan
	Hengchun	"	ep	51.3											0	0	
	Tawu	"	p	08 06.1											0	0	
	Taitung	"	ep	09.5											0	0	
15	Taitung	17	p	18 22 23.6											04 50.3	0	U.S.C.G.S. 39.6N,143.4E
	Tawu	"	ep	36.8											0	0	off East Coast of Honshu, Japan
	Hengchun	"	ep	54.4											0	0	
	Taipei	"	e	30 47.0											0	0	
16	Tawu	20	p	20 17 30.5												0	U.S.C.G.S. 30.7S 178.4W
	Hengchun	"	ep	50.6											0	0	Kermadec Islands Region
	Taitung	"	ep	52.3											0	0	MAG 6 3/4 ~ 7 (PAS)
	Anpu	"	p	55.0											10 02.0	0	
17	Anpu	20	p	21 15 56.0											05 04.0	0	U.S.C.G.S. 44.8N,150.3E
	Alishan	"	ep	16 08.0											06 00.0	0	Kurile Islands Region
	Hsinkong	"	ep	13.1											05 15.1	0	
	Taitung	"	p	15.5											05 17.5	0	
	Taipei	"	ep	19.0											05 00.7	0	
	Tainan	"	p	22.4											0	0	
	Tawu	"	ep	23.7											0	0	
	Hwalien	"	ep	23.8											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			
17	Ilan	20	ep	h. m. s.	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.			
				21 16 27.6										05 08.9	O		
	Hengchun	"	ep														
				27.7													
18	Anpu	21	p	08 26 13.0										05 06.0	O	U.S.C.G.S.	
	Taitung	"	ep	24.1												44.9N, 150.2E	
	Tawu	"	p	25.2												Kurile	
	Ilan	"	ep	30.8												Islands	
	Hengchun	"	ep	27 01.4												Region	
	Taipei	"	e	31 36.3													
	Tainan	"	e	38 06.0													
	Taichung	"	e	38 06.0													
19	Taitung	21	ep	10 52 49.5				174	123		10.4	6.9		50.8	O	U.S.C.G.S.	
	Tawu	"	ep	53.1										32.9	O	20.2N, 122.0E	
	Hengchun	"	ep	53.4										29.1	O	Philippine	
	Hsinkong	"	ep	53 02.0										56.7	O	Islands	
	Alishan	"	ep	11.2										44.2	O	Region	
	Yushan	"	p	13.3										45.0	O		
	Hwalien	"	p	14.8				270	505	11.0	14.0			44.7	O		
	Tainan	"	ep	17.0										52.0	O		
	Kaoh-siung	"	p	17.8										52.6	O		
	Anpu	"	p	32.0										33.0	O		
	Ilan	"	ep	32.4										49.7	O		
	Taipei	"	ep	41.0													
	Taichung	"	ep	43.9										30.6	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				
20	Hsinkong	23	ep	h. m. s.	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.				
				17 36 13.7														
	Tawu	"	ep															
				23.6														
	Hwalien	"	ep															
				26.5														
	Taitung	"	ep															
				28.9														
	Alishan	"	p															
				31.1														
	Anpu	"	p												03 08.0	O		
	Hengchun	"	ep															
			33.1															
Ilan	"	ep																
			35.8															
Taipei	"	ep													03 06.0	O		
			39.5															
Tainan	"	e	46 34.0															
Hengchun	"	e																
			37.0															
Taichung	"	e																
			51 01.0															
21	Ilan	24	ep	14 11 34.7												04 18.3	O U.S.C.G.S.	
	Anpu	"	p													04 37.0	O 40.9N, 143.0E	
	Taipei	"	ep													04 37.5	O off East	
	Hwalien	"	ep														O Coast of	
				40.4													O Honshu	
	Hsinkong	"	p														O Japan	
				49.8													O MAG 6 1/2	
	Tawu	"	ep														6 1/2 (PAS)	
				56.6													04 36.4	O
	Taitung	"	p															
				57.2														
Hengchun	"	p	12 07.9															
Taichung	"	ep																
			28.4															
22	Hengchun	24	ep	15 49 10.9													0 U.S.C.G.S.	
																	6.8S, 118.9E	
	Taitung	"	ep													04 09.2	O Flores Sea	







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			
2	Tainan	2	ep	h. m. s. 20 32 10.9	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.	31.1	O		
	Taipei	"	p	32 11.0	-	-	-	-	-	-	-	-	-	-	18.8	O		
	Hengchun	"	ep	16.0	-	-	-	-	-	-	-	-	-	-	-	O		
	Tawu	"	ep	16.5	-	-	-	-	-	-	-	-	-	-	12.4	O		
	Kaoh-siung	"	p	27.5	-	-	-	-	-	-	-	-	-	-	29.5	O		
	Lanyu	4	ip	17 15 11.8	+ 0.6	- 3.4	- 0.4	29300	44200	19200	0.2	0.2	0.2	6.2	III	69km.		
	Taitung	"	ip	17.2	+ 35	- 44	+ 99	-	-	-	-	-	-	7.2	II	ENE. of Tawu		
	Tawu	"	ip	19.0	+ 21	+ 29	- 71	306	378	-	1.7	2.5	-	6.0	II	22.4N, 121.5E		
	Hsinkong	"	ip	20.6	+ 50	- 21	+ 51	28	45	256	0.1	0.1	0.1	7.7	II	H=35 (S)		
	Yushan	"	p	27.3	-	-	-	-	-	-	-	-	-	-	13.8	O		
	Alishan	"	ip	29.5	- 12	+ 6	- 17	180	193	-	2.1	1.0	-	21.0	I			
	Tainan	"	ip	33.0	- 6	+ 16	- 34	-	-	-	-	-	-	15.6	O			
	Hwalien	"	ep	34.6	-	-	-	140	142	89	3.4	1.9	2.0	20.7	O			
	Taichung	"	ep	40.5	-	-	-	-	-	-	-	-	-	22.3	I			
	Hsinchu	"	ep	44.3	-	-	-	-	-	-	-	-	-	30.0	O			
	Ilan	"	ep	48.1	-	-	-	-	-	-	-	-	-	28.6	O			
	Anpu	"	p	51.5	-	-	-	-	-	-	-	-	-	06.7	O			
	Taipei	"	p	57.0	-	-	-	-	-	-	-	-	-	21.0	O			
	Hengchun	"	ip	16 15.6	-	-	-	-	-	-	-	-	-	7.4	II			
3	Taitung	6	ep	19 46 04.5	-	-	-	-	-	-	-	-	-	-	-	O	U.S.C.G.S.	
	Henghun	"	ep	04.8	-	-	-	-	-	-	-	-	-	-	-	O	14.9N, 119.9E	
	Hsinkong	"	ep	06.0	-	-	-	-	-	-	-	-	-	-	-	O	Luzon	
	Alishan	"	p	07.1	-	-	-	-	-	-	-	-	-	-	-	O	Philippine Islands	

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			
3	Ilan	6	ep	h. m. s. 19 46 29.1	μ	μ	μ	μ	μ	μ	S.	S.	S.	M. S.	-	O		
	Anpu	"	p	38.0	-	-	-	-	-	-	-	-	-	-	-	-	03 01.0	O
4	Tawu	7	ep	12 02 31.6	-	-	-	-	-	-	-	-	-	-	-	-	-	O (d)
	Taitung	"	p	52.7	-	-	-	-	-	-	-	-	-	-	-	-	05 24.3	O
	Tainan	"	p	55.0	-	-	-	-	-	-	-	-	-	-	-	-	-	O
	Hsinkong	"	p	57.0	-	-	-	-	-	-	-	-	-	-	-	-	04 45.7	O
	Kaoh-siung	"	ep	57.4	-	-	-	-	-	-	-	-	-	-	-	-	-	O
	Hwalien	"	ep	57.6	-	-	-	455	205	-	28.0	22.0	-	-	-	-	04 40.1	O
	Hengchun	"	p	59.0	-	-	-	-	-	-	-	-	-	-	-	-	-	O
	Yushan	"	p	03 00.0	-	-	-	-	-	-	-	-	-	-	-	-	04 42.0	O
	Alishan	"	ep	00.6	-	-	-	-	-	-	-	-	-	-	-	-	04 43.4	O
	Ilan	"	ep	03.4	-	-	-	-	-	-	-	-	-	-	-	-	04 36.5	O
	Hsinchu	"	p	06.0	-	-	-	-	-	-	-	-	-	-	-	-	05 00.0	O
	Taichung	"	ep	10.4	-	-	-	-	-	-	-	-	-	-	-	-	-	O
	Anpu	"	p	12.0	-	-	-	-	-	-	-	-	-	-	-	-	04 16.0	O
	Taipei	"	p	17.5	-	-	-	-	-	-	-	-	-	-	-	-	04 48.0	O
5	Tawu	7	p	21 36 10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	O U.S.C.G.S.
	Taitung	"	p	10.4	-	-	-	-	-	-	-	-	-	-	-	-	04 39.2	O
	Taichung	"	ep	18.5	-	-	-	-	-	-	-	-	-	-	-	-	-	O MAG. 6½
	Hsinkong	"	ep	17.7	-	-	-	-	-	-	-	-	-	-	-	-	04 14.3	O (PAL)
	Tainan	"	ep	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	O
	Alishan	"	p	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-	O
	Hwalien	"	ep	30.9	-	-	-	-	-	-	-	-	-	-	-	-	04 22.1	O







*P.W.J.*

# 地震季報

第十五卷 第三號

中華民國五十七年七、八、九月

## SEISMOLOGICAL BULLETIN

July to September, 1968

Vol. 15 No. 3

臺灣省氣象局

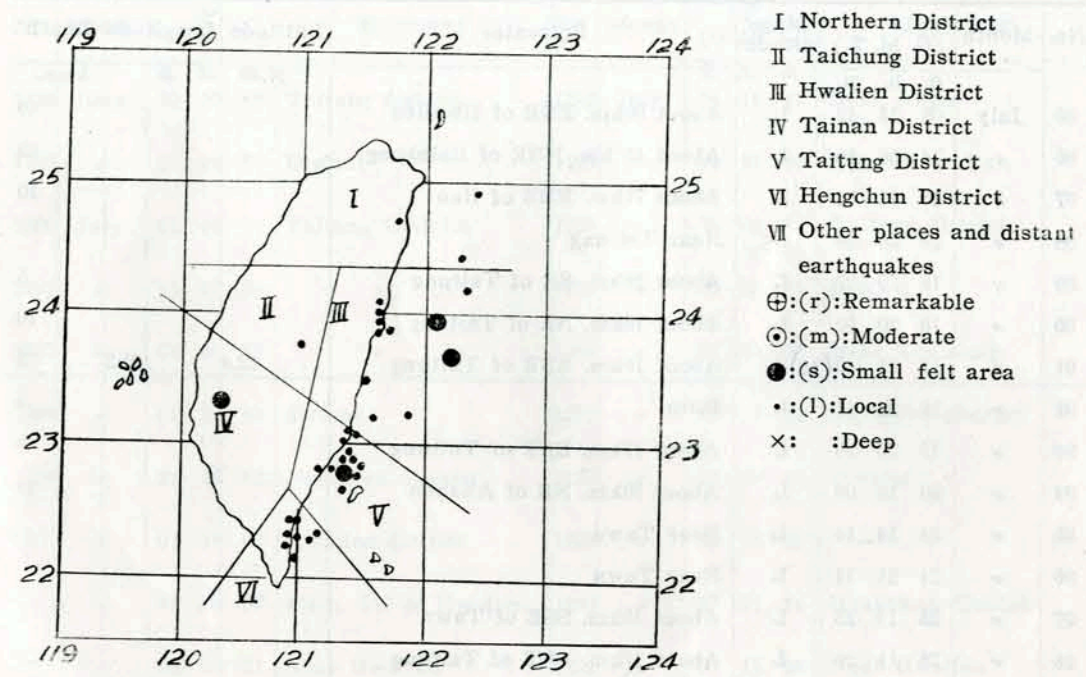
PUBLISHED QUARTERLY BY

TAIWAN PROVINCIAL WEATHER BUREAU

64, KUNG YUAN ROAD, TAIPEI TAIWAN, CHINA



Epicenters of Felt Earthquakes From July to September, 1968



Number of earthquakes classified according to its magnitude and districts July to September, 1968

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Maghitudes	Remark-able	Moderate	Small felt area	Local		
Districts							
Northern District	—	—	—	3	3	40	43
Taichung "	—	—	—	1	1	25	26
Hwalien "	—	—	2	9	11	86	97
Tainan "	—	—	1	—	1	1	2
Taitung "	—	—	1	11	12	129	141
Hengchun "	—	—	—	8	8	89	97
Other places	—	—	—	—	—	164	164
Total	—	—	4	32	36	534	570



Felt earthquakes in the month of July to September, 1968.

No.	Month	P. (G. M. T.)			Mag- nitude	Epicenter	Latitude	Longitude	Depth
		d.	h.	m.					
85	July	06	15	48	L	About 80km. ENE of Hwalien	N.	E.	kms. 40
86	"	14	06	19	L	About 45 km. NNE of Hsinkong			45
87	"	16	11	34	L	About 71km. ENE of Ilan			10
88	"	18	20	26	L	Near Taitung			
89	"	18	20	27	L	About 20km. SE of Taitung			5
90	"	18	20	50	L	About 10km. NE of Taitung			10
91	"	18	21	49	(20)S	About 15km. ENE of Taitung	22.8	121.2	5
92	"	18	22	11	L	Ditto			5
93	"	18	23	28	L	About 17km. ENE of Taitung			5
94	"	20	16	08	L	About 30km. NE of Alishan			15
95	"	24	14	19	L	Near Tawu			
96	"	24	21	11	L	Near Tawu			
97	"	25	13	23	L	About 15km. SSE of Tawu			5
98	"	26	11	26	L	About 17km. ENE of Taitung			20
99	"	26	11	29	L	Near Hsinkong			
100	"	28	14	39	L	About 21km. NE of Hsinkong			35
101	"	31	19	57	L	About 20km. SSW of Tawu			5
102	Aug.	03	17	26	L	About 30km. SE of Tawu			5
103	"	04	02	27	L	About 28km. SSE of Tawu			5
104	"	06	00	57	L	Near Tawu			
105	"	06	03	25	L	Near Hwalien			
106	"	07	01	01	L	30km. ENE of Taitung			20
107	"	09	02	51	L	Near Hsinkong			
108	"	09	19	27	L	Near Ilan			
109	"	09	21	49	L	25km. NE of Taitung			10
110	"	14	03	51	L	12km. SE of Hwalien			5
111	"	16	21	11	L	Near Tawu			
112	"	21	01	09	L	Near Hwalien			
113	"	26	15	38	(10)S	46km. NNE of Tainan	23.4	120.3	20
114	"	30	01	55	L	Near Hwalien			
115	"	30	06	21	L	Near Hwalien			
116	SEPT Oct.	11	21	47	(25)S	65km. ESE of Hwalien	23.7	122.1	20
117	"	20	09	28	L	42km. ENE of Hsinkong			20
118	"	22	07	29	L	54km. ESE of Ilan			10
119	"	24	10	43	L	Near Hsinkong			
120	"	27	15	27	S	42km. E of Hwalien			40

Unfelt Earthquakes in the Month of July to September, 1968.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1198	June	30	19	46	Taitung district	1222	July	04	19	41	Near Anpu
1199	"	30	20	53	Distant	1223	"	04	22	20	32km. E. of Ilan
1200	July	01	01	54	Taitung District	1224	"	05	00	32	Taitung district
1201	"	01	02	21	"	1225	"	05	11	33	Distant
1202	"	01	05	18	"	1226	"	05	20	02	Near Taichung
1203	"	01	10	49	distant	1227	"	05	21	29	Northern district
1204	"	01	13	02	Northern district	1228	"	06	09	40	Distant
1205	"	01	18	07	Hwalien district	1229	"	06	17	31	"
1206	"	01	20	07	40km. SW of Hwalien	1230	"	07	01	14	Hengchun district
1207	"	02	00	21	Near Hwalien	1231	"	07	11	28	Near Hwalien
1208	"	02	02	39	Hwalien district	1232	"	07	13	25	Distant
1209	"	02	02	42	"	1233	"	07	14	56	"
1210	"	02	03	05	"	1234	"	07	16	54	"
1211	"	02	04	05	Distant	1235	"	07	21	26	Near Hwalien
1212	"	02	07	01	Near Yushan	1236	"	07	21	26	"
1213	"	02	14	38	Taitung district	1237	"	07	21	27	"
1214	"	02	16	49	Distant	1238	"	07	21	37	"
1215	"	02	21	37	Near Hwalien	1239	"	08	00	03	"
1216	"	02	22	14	Distant	1240	"	08	04	55	Near Taitung
1217	"	03	04	39	Taitung district	1241	"	08	17	50	Distant
1218	"	03	20	52	Near Hwalien	1242	"	08	21	29	"
1219	"	04	15	47	Near Hsinkong	1243	"	09	03	49	"
1220	"	04	19	23	Northern district	1244	"	09	08	15	"
1221	"	05	02	02	Near Yushan	1245	"	09	11	55	"



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1246	July	09	14	23	Near Hwalien	1270	July	16	09	49	Taichung district
1247	"	09	14	52	55km. ENE. of Hsinkong	1271	"	16	13	31	Near Alishan
1248	"	10	00	45	Caroline Islands	1272	"	16	15	21	Hengchun distalct
1249	"	10	10	36	Distant	1273	"	16	19	37	Taichung district
1250	"	10	11	28	"	1274	"	16	21	04	50km. NNW. of Hwalien
1251	"	10	14	23	Northern district Taiwan	1275	"	17	05	30	Taitung district
1252	"	10	20	45	Distant	1276	"	17	05	31	Distant
1253	"	10	21	42	Taitung district	1277	"	17	12	22	Northern district of Taiwan
1254	"	10	22	58	"	1278	"	17	19	56	Taitung district
1255	"	12	00	49	Distant	1279	"	17	20	18	"
1256	"	12	04	01	off East coast of Honshu	1280	"	17	21	52	Hwalien district
1257	"	12	16	51	Distant	1281	"	17	22	04	35km. ENE. of Ilan
1258	"	12	22	45	45km. NNE. of Alishan	1282	"	17	23	28	Near Hwalien
1259	"	13	06	51	Distant	1283	"	18	07	52	Near Hwalien
1260	"	13	17	50	Taitung district	1284	"	18	07	52	"
1261	"	14	02	38	Northern district Taiwan	1285	"	18	07	53	"
1262	"	14	03	22	Taitung district	1286	"	18	11	26	Distant
1263	"	14	04	46	Near Hwalien	1287	"	18	12	34	Near Hwalien
1264	"	14	04	56	"	1288	"	18	12	35	"
1265	"	14	07	32	Luzon Philippine	1289	"	18	12	37	"
1266	"	14	20	57	Distant	1290	"	18	12	46	"
1267	"	14	23	04	20km. E. of Ilan	1291	"	18	12	52	"
1268	"	15	08	59	Taitung district	1292	"	18	12	58	"
1269	"	15	16	04	"	1293	"	18	13	07	Near Taitung

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1294	July	18	13	13	Near Taitung	1318	July	19	02	51	Near Taitung
1295	"	18	13	16	"	1319	"	19	05	02	Distant
1296	"	18	13	20	"	1320	"	19	05	47	Near Taitung
1297	"	18	13	21	"	1321	"	19	07	03	"
1298	"	18	13	24	"	1322	"	19	09	31	Distant
1299	"	18	13	54	"	1323	"	19	09	49	Near Hwalien
1300	"	18	14	17	Near Hwalien	1324	"	19	13	41	Near Taitung
1301	"	18	14	42	Near Taitung	1325	"	19	16	08	Taitung district
1302	"	18	14	44	"	1326	"	19	19	26	Hwalien district
1303	"	18	14	46	"	1327	"	19	19	52	Near Taitung
1304	"	18	14	59	Near Hwalien	1328	"	19	23	38	Near Hwalien
1305	"	18	15	47	Near Taitung	1329	"	20	01	36	Near Alishan
1306	"	18	20	08	"	1330	"	20	01	36	17km. NNE of Yushan
1307	"	18	20	08	"	1331	"	20	02	21	Taitung district
1308	"	18	20	09	"	1332	"	20	03	44	Near Hwalien
1309	"	18	20	19	"	1333	"	20	04	55	Near Taitung
1310	"	18	20	25	"	1334	"	20	05	45	"
1311	"	18	21	37	"	1335	"	20	15	03	Taitung district
1312	"	18	21	39	"	1336	"	20	16	15	Near Alishan
1313	"	18	23	49	"	1337	"	20	20	11	"
1314	"	18	23	53	"	1338	"	21	01	51	Distant
1315	"	19	00	51	"	1339	"	21	05	59	"
1316	"	19	00	55	"	1340	"	21	12	50	164km. ESE of Ilan
1317	"	19	01	06	"	1341	"	21	12	51	Near Hwalien



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1342	July	21	17	01	Distant	1366	July	25	19	34	Near Tawu, Taiwan
1343	"	21	23	12	Hwalien district	1367	"	26	01	56	"
1344	"	22	23	12	Near Hwalien	1368	"	26	05	13	Hengchun district
1345	"	22	03	05	Near Taitung	1369	"	26	05	59	Taichung district
1346	"	22	05	28	Distant	1370	"	26	12	15	11km. NE. of Taitung
1347	"	22	18	09	"	1371	"	26	18	22	Northern district of Taiwan
1348	"	23	05	55	Taitung district	1372	"	27	00	48	Near Tawu
1349	"	23	18	21	Distant	1373	"	27	13	10	Taitung district
1350	"	23	19	24	"	1374	"	27	14	32	"
1351	"	23	23	07	"	1375	"	27	22	46	"
1352	"	24	00	54	Hengchun district	1376	"	28	00	48	"
1353	"	24	14	39	Near Tawu, Taiwan	1377	"	28	11	37	Distant
1354	"	24	16	10	"	1378	"	28	12	39	Northern district of Taiwan
1355	"	24	21	18	"	1379	"	28	12	48	Near Anpu, Taiwan
1356	"	24	21	25	"	1380	"	28	14	31	Taitung district
1357	"	24	21	33	"	1381	"	28	21	20	Distant
1358	"	24	21	34	"	1382	"	29	11	23	"
1359	"	24	22	27	"	1383	"	29	13	39	"
1360	"	25	00	28	Near Hwalien	1384	"	29	22	28	Hwalien district
1361	"	25	00	48	Taitung district	1385	"	29	20	19	Near Hsinkong, Taiwan
1362	"	25	07	35	Distant	1386	"	29	23	57	Distant
1363	"	25	08	15	Hengchun District	1387	"	30	01	44	Hwalien district
1364	"	25	12	31	Near Tawu, Taiwan	1388	"	30	02	11	35km. E. of Taipei, Taiwan
1365	"	25	19	00	Hwalien district	1389	"	30	04	43	Distant

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1390	July	30	20	58	Distant	1414	Aug.	03	06	26	Luzon Philippine
1391	"	30	22	30	Near Taipei	1415	"	03	08	32	Near Tawu, Taiwan
1392	"	31	01	47	Distant	1416	"	03	08	32	"
1393	"	31	17	24	Taitung district	1417	"	03	08	39	"
1394	"	31	18	56	Hengchun district	1418	"	03	08	57	"
1395	"	31	19	06	"	1419	"	03	08	58	"
1396	"	31	19	25	"	1420	"	03	09	46	"
1397	Aug.	01	02	31	"	1421	"	03	12	46	87km. ENE of Taipei
1398	"	01	04	11	Near Tawu, Taiwan	1422	"	03	14	22	Distant
1399	"	01	09	40	Taitung district	1423	"	03	15	41	"
1400	"	01	10	26	Near Tawu, Taiwan	1424	"	03	16	09	Hengchun district
1401	"	01	13	33	Hengchun district	1425	"	03	19	20	Luzon, Philippine
1402	"	01	19	11	Near Tawu, Taiwan	1426	"	04	02	06	Taitung district
1403	"	01	20	20	Luzon, Philippine	1427	"	04	03	06	Near Tawu, Taiwan
1404	"	01	21	34	Near Tawu, Taiwan	1428	"	04	04	10	Near Hsinkong, Taiwan
1405	"	01	22	38	"	1429	"	04	04	12	Near Tawu, Taiwan
1406	"	01	23	07	Distant	1430	"	04	04	32	Taitung district
1407	"	01	13	18	Taitung district	1431	"	04	04	38	Near Tawu, Taiwan
1408	"	02	00	15	Near Tawu, Taiwan	1432	"	04	05	14	"
1409	"	02	01	29	Taitung district	1433	"	04	08	06	Luzon, Philippine
1410	"	02	01	56	"	1434	"	04	09	03	Near Tawu, Taiwan
1411	"	02	13	37	"	1435	"	04	11	45	Mindanao, Philippine
1412	"	02	14	25	Distant	1436	"	04	13	01	Near Tawu, Taiwan
1413	"	03	04	56	Ryukyu Islands	1437	"	04	13	43	"



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1438	Aug.	04	15	24	Luzon, Philippine	1462	Aug.	06	17	21	Taitung district
1439	"	04	16	20	Distant	1463	"	06	17	32	Near Tawu, Taiwan
1440	"	04	16	22	Hengchun district	1464	"	06	17	33	Taitung district
1441	"	04	18	02	Taitung district	1465	"	06	21	47	Near Tawu
1442	"	04	18	04	Distant	1466	"	06	23	46	Taitung district
1443	"	04	18	38	Near Tawu, Taiwan	1467	"	07	00	02	Hwalien district
1444	"	05	00	12	"	1468	"	07	03	55	Distant
1445	"	05	01	28	Northern district, Taiwan	1469	"	07	08	05	"
1446	"	05	04	33	Distant	1470	"	07	12	15	"
1447	"	05	12	40	Taitung district	1471	"	08	00	04	Northern district
1448	"	05	16	19	Shikoku, Japan	1472	"	08	03	58	Distant
1449	"	05	23	00	80km. SSE. of Hwalien	1473	"	08	05	00	Taitung district
1450	"	06	01	06	Hengchun district	1474	"	08	08	21	Distant
1451	"	06	03	08	Luzon Philippine	1475	"	08	13	08	"
1452	"	06	01	17	Hengchun district	1476	"	08	14	09	Taitung district
1453	"	06	04	54	Luzon Philippine	1477	"	08	23	34	Near Hwalien
1454	"	06	09	34	Near Tawu, Taiwan	1478	"	09	03	29	Distant
1455	"	06	09	48	Near Hwalien	1479	"	09	07	14	Taitung district
1456	"	06	10	09	Distant	1480	"	09	10	23	Distant
1457	"	06	12	08	Near Tawu	1481	"	09	10	37	115km. ENE. of Ilan
1458	"	06	12	52	Near Taitung	1482	"	09	10	49	Distant
1459	"	06	16	04	Taitung district	1483	"	09	19	20	Taitung district
1460	"	06	16	37	Near Tawu, Taiwan	1484	"	10	02	11	Molucca Passage
1461	"	06	17	03	Hengchun district	1485	"	10	03	32	Near Tawu, Taiwan

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1486	Aug.	10	04	10	Molucca Passage	1510	Aug.	13	03	01	Hengchun district
1487	"	10	05	56	"	1511	"	13	04	13	Distant
1488	"	10	06	51	Near Tawu, Taiwan	1512	"	13	07	58	Hengchun district
1489	"	10	06	54	"	1513	"	13	16	38	Near Hsinkong, Taiwan
1490	"	10	08	14	Hengchun district	1514	"	14	07	58	Philippine Islands refion
1491	"	10	10	43	Near Hwalien	1515	"	14	21	21	Near Hwalien
1492	"	10	12	03	Distant	1516	"	14	22	09	Taitung district
1493	"	10	15	05	Near Hwalien	1517	"	14	22	19	Northern Celebes
1494	"	10	16	42	Luzon Philippine	1518	"	15	04	20	Distant
1495	"	10	19	32	Near Hwalien	1519	"	15	06	59	"
1496	"	10	19	44	Near Tawu, Taiwan	1520	"	15	11	45	Taitung district
1497	"	10	19	45	Near Tawu, Taiwan	1521	"	15	13	32	Near Hwalien
1498	"	10	19	52	Luzon Philippine	1522	"	15	11	52	Distant
1499	"	10	20	10	Hwalien district	1523	"	15	21	08	Hwalien district
1500	"	11	17	15	Taitung district	1524	"	15	21	31	Taitung district
1501	"	11	17	17	"	1525	"	16	10	43	Honshu, Japan
1502	"	11	20	05	Molucca Passage	1526	"	16	13	06	32km. SSW. of Hwalien
1503	"	11	22	49	Near Tawu, Taiwan	1527	"	16	21	13	Near Tawu, Taiwan
1504	"	12	00	46	Hengchun district	1528	"	16	21	14	"
1505	"	12	01	48	"	1529	"	17	02	15	Northern district
1506	"	12	07	06	Distant	1530	"	17	02	34	"
1507	"	12	07	23	Taitung district	1531	"	17	02	36	"
1508	"	12	17	53	Distant	1532	"	17	02	55	"
1509	"	13	02	57	Hengchun district	1533	"	17	04	05	Molucca Passage



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1630	Sept.	08	08	55	Taitung district	1654	Sept.	14	01	54	Distant
1631	"	08	08	59	Distant	1655	"	14	14	06	"
1632	"	08	12	49	Taichung district	1656	"	14	23	23	"
1633	"	08	15	19	Distant	1657	"	15	02	02	Hengchun district
1634	"	08	19	48	Taitung district	1658	"	15	02	05	Distant
1635	"	09	20	13	Hwalien district	1659	"	15	04	11	Hengchuug district
1636	"	09	21	47	"	1660	"	15	04	38	"
1637	"	09	04	55	Hengchun district	1661	"	15	06	29	"
1638	"	10	05	40	Distant	1662	"	15	10	55	Honshu, Japan
1639	"	11	00	59	Taitung district	1663	"	15	14	31	Distant
1640	"	11	03	07	Hengchun district	1664	"	15	16	31	"
1641	"	11	04	18	Taitung district	1665	"	16	03	13	Taitung district
1642	"	11	16	18	"	1666	"	16	03	17	Distant
1643	"	11	18	35	Near Ilan	1667	"	16	12	05	Taitung district
1644	"	11	19	54	Taitung district	1668	"	16	14	02	New Britain region
1645	"	11	21	16	"	1669	"	16	16	08	Taitung district
1646	"	12	05	41	Distant	1670	"	16	22	33	Distant
1647	"	12	13	42	Taitung district	1671	"	17	05	30	Taitung district
1648	"	12	16	06	Near Tawu	1672	"	17	06	08	Hengchun district
1649	"	12	22	54	Distant	1673	"	17	07	34	Northeqn district
1650	"	13	02	50	Taitung district	1674	"	17	07	45	Distant
1651	"	13	04	30	Near. Hwalien	1675	"	17	07	52	Taitung district
1652	"	13	05	14	Distant	1676	"	17	08	45	Near Hwalien
1653	"	13	13	02	"	1677	"	17	10	27	Hwalien district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1678	Sept.	17	14	21	Near Alishan	1704	Sept.	22	20	56	Distant
1679	"	17	14	59	"	1705	"	23	05	07	"
1680	"	17	15	42	Northern district	1706	"	23	05	09	Taitung district
1681	"	17	16	57	Near Ilan	1707	"	23	13	48	Near Honshau, Japan
1682	"	17	18	00	Distant	1708	"	24	04	51	Taitung district
1683	"	18	03	50	Northern district	1709	"	25	06	04	"
1684	"	18	12	02	Distant	1710	"	25	07	23	Distant
1685	"	18	14	24	"	1711	"	25	08	52	Near Hwalien
1686	"	19	16	57	Near Anpu, Taipei	1712	"	25	10	52	Distant
1687	"	19	05	08	Distant	1713	"	26	02	29	Near Hwalien
1688	"	19	07	42	Hwalien district	1714	"	26	04	32	Near Alishan.
1689	"	19	08	03	"	1715	"	26	09	19	Near Hwalien
1690	"	19	22	47	Distant	1716	"	26	14	48	Distant
1691	"	20	00	38	Taitung district	1717	"	26	17	59	Taitung district
1692	"	20	00	49	"	1718	"	26	18	14	Distant
1693	"	20	06	19	Northern district	1719	"	26	18	41	Near Alishan
1694	"	20	14	06	Distant	1720	"	27	00	20	Hengchun district
1695	"	20	18	02	Near Hwalien	1721	"	27	04	04	Distant
1696	"	20	19	07	Distant	1722	"	27	17	01	"
1697	"	21	13	11	"	1723	"	27	17	27	Taitung district
1698	"	21	19	57	Northern district	1724	"	27	19	12	Distant
1699	"	22	06	57	Hwalien district	1725	"	28	09	58	"
1700	"	22	08	51	Taichung district	1726	"	28	16	08	"
1701	"	22	09	22	Luzon Philippine	1727	"	28	16	24	Near Hwalien
1702	"	22	10	08	Near Tawu	1728	"	28	07	35	"
1703	"	22	15	49	Hengchun district	1729	"	28	12	24	"























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			
10	Hengchun	10	p	h. m. s. 04 10 37.9	μ	μ	μ	μ	μ	μ	s	s	sm	s	0	Molucca
	Alishan		p	37.9	-	-	-	-	-	-	-	-	-	-	0	Passage.
	Tawu		ep	42.4	-	-	-	-	-	-	-	-	-	-	0	Damage at
	Taitung		ep	49.1	-	-	-	-	-	-	-	-	-	-	0	Manado
	Tainan		p	50.0	-	-	-	-	-	-	-	-	-	-	0	Celebes.
	Hwalien		ep	58.7	-	-	-	-	-	-	-	-	-	-	0	1.3 N.
	Taichung		ep	11 14.0	-	-	-	-	-	-	-	-	-	-	0	126 1/2 E.
	Ilan		ep	15.1	-	-	-	-	-	-	-	-	-	-	4	08.6 O
	Taipei		ep	18.0	-	-	-	-	-	-	-	-	-	-	4	01.0 O
11	Tawu	10	ep	05 56 35.1	-	-	-	-	-	-	-	-	-	-	0	Molucca
	Taitung		p	40.4	-	-	-	-	-	-	-	-	-	-	4	01.1 O
	Alishan		p	44.8	-	-	-	-	-	-	-	-	-	-	0	1 1/2 N.
	Tainan		ep	48.0	-	-	-	-	-	-	-	-	-	-	0	126.12 E.
	Hwalien		p	54.7	-	-	-	170	-	-	2.0	-	-	-	0	
	Taichung		ep	56.5	-	-	-	-	-	-	-	-	-	-	4	31.1 O
	Taipei		ep	57 02.3	-	-	-	-	-	-	-	-	-	-	4	10.0 O
	Ilan		ep	03.1	-	-	-	-	-	-	-	-	-	-	4	13.3 O
12	Alishan	10	p	16 42 24.7	-	-	-	-	-	-	-	-	-	-	0	Luzon
	Hengchun		ep	43 16.6	-	-	-	-	-	-	-	-	-	-	0	Philippine
	Tawu		ep	20.1	-	-	-	-	-	-	-	-	-	-	0	Islands.
	Taitung		ep	22.5	-	-	-	-	-	-	-	-	-	-	0	15 1/2 N.
	Anpu		p	32.4	-	-	-	-	-	-	-	-	-	-	2	121.6 E.
	Hwalien		p	38.0	-	-	-	-	-	-	-	-	-	-	1	47.5 O
	Taipei		ep	44 01.8	-	-	-	-	-	-	-	-	-	-	1	59.0 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			
13	Hengchun	14	p	h. m. s. 22 19 15.4	μ	μ	μ	μ	μ	μ	s	s	sm	s	0	Northern
	Tawu		ep	19.4	-	-	-	-	-	-	-	-	-	-	4	06.4 O
	Taitung		ep	23.7	-	-	-	198	151	55	13.9	12.9	18.94	16.5	0	Celebes.
	Hsinkong		p	23.8	-	-	-	-	-	-	-	-	-	-	4	Tsunami
	Alishan		ep	27.0	-	-	-	-	-	-	-	-	-	-	4	Swept
	Tainan		ep	32.0	-	-	-	-	-	-	-	-	-	-	0	coastal
	Hwalien		p	32.5	-	-	-	2570	2050	-	28.0	28.0	-	-	0	area of
	Taichung		ep	37.4	-	-	-	-	-	-	-	-	-	-	4	Donggal
	Anpu		p	42.4	-	-	-	-	-	-	-	-	-	-	0	district.
	Yushan		ep	42.9	-	-	-	-	-	-	-	-	-	-	0	200 killed at
	Hsinchu		p	44.4	-	-	-	-	-	-	-	-	-	-	4	Tambu.
	Taipei		p	46.8	-	-	-	-	-	-	-	-	-	-	4	Tuguan
	Ilan		p	47.7	-	-	-	-	-	-	-	-	-	-	3	Islands.
14	Hengchun	17	ep	04 05 21.3	-	-	-	-	-	-	-	-	-	-	3	53.1 O
	Taitung		p	32.4	-	-	-	-	-	-	-	-	-	-	3	56.3 O
	Alishan		p	37.1	-	-	-	-	-	-	-	-	-	-	0	Molucca
	Hwalien		ep	44.3	-	-	-	-	-	-	-	-	-	-	0	Passage.
	Taipei		ep	47.0	-	-	-	-	-	-	-	-	-	-	4	Mag=5.5-5.9
	Anpu		p	52.0	-	-	-	-	-	-	-	-	-	-	3	1.4 N.
	Ilan		ep	56.5	-	-	-	-	-	-	-	-	-	-	0	126.3 E.
	Taichung		ep	06 00.0	-	-	-	-	-	-	-	-	-	-	0	
15	Hsinkong	18	ep	18 46 34.6	-	-	-	-	-	-	-	-	-	-	6	30.8 O
	Tawu		ep	37.7	-	-	-	-	-	-	-	-	-	-	0	Solomon
					-	-	-	-	-	-	-	-	-	-	0	Islands.
					-	-	-	-	-	-	-	-	-	-	0	10.1 N.
					-	-	-	-	-	-	-	-	-	-	0	159.9 E















# 地震季報

第十五卷 第四號

中華民國五十七年十、十一、十二月

## SEISMOLOGICAL BULLETIN

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臺灣省氣象局

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64, KUNG YUAN ROAD, TAIPEI TAIWAN, CHINA

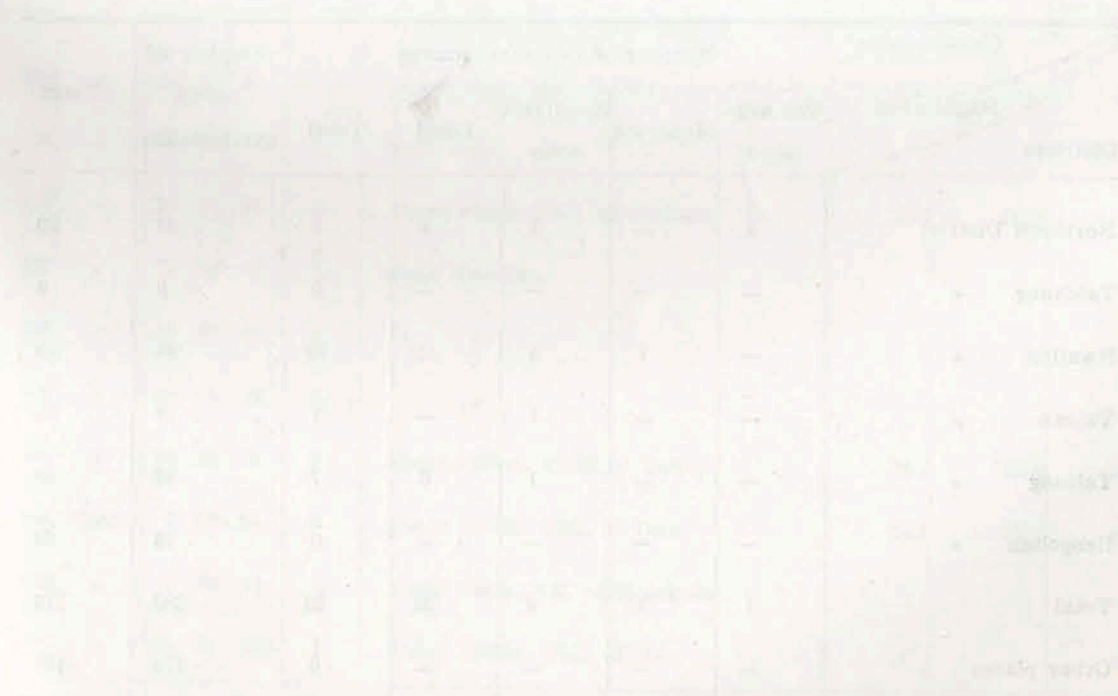


### General Aspect of Earthquakes

From October to December, 1968.

The number of earthquakes which occurred during the period from October to December 1968 is 315. Among the 315 earthquakes which occurred in Taiwan Region, 33 shocks including 1 remarkable, 1 moderate, 8 small felt area and 23 local earthquakes are felt earthquakes and the rest are unfelt ones.

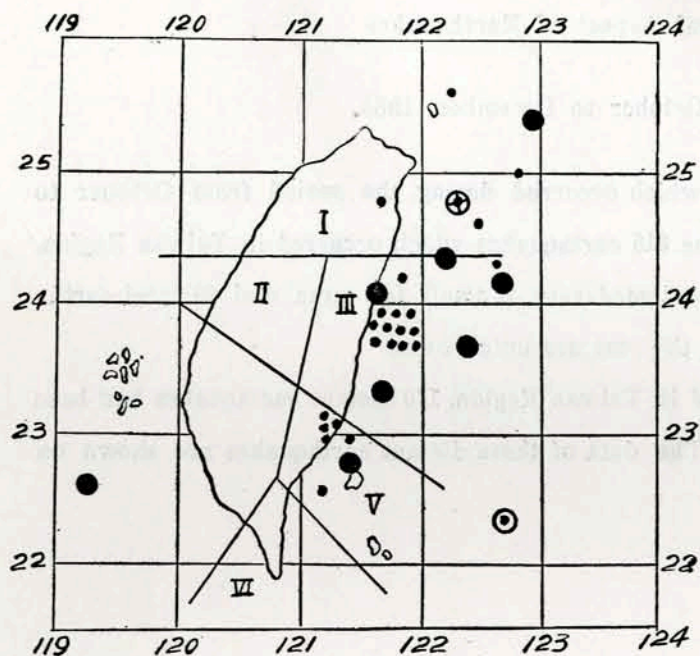
Besides those which occurred in Taiwan Region, 170 distant earthquakes had been recorded by our seismometers. The data of these distant earthquakes are shown on the latter part of this bulletin.



No.	Date	Time	Locality	Magnitude	Depth	Remarks
1	10/1	12:00	100 km S of Taipei	2.5	10	
2	10/5	08:30	150 km E of Taipei	2.8	15	
3	10/10	15:45	120 km W of Taipei	2.2	8	
4	10/15	09:15	180 km S of Taipei	2.6	12	
5	10/20	11:00	140 km E of Taipei	2.4	10	
6	10/25	14:30	160 km W of Taipei	2.7	11	
7	10/30	10:15	130 km S of Taipei	2.3	9	
8	11/5	13:45	170 km E of Taipei	2.5	10	
9	11/10	07:30	110 km W of Taipei	2.1	7	
10	11/15	16:00	190 km S of Taipei	2.9	13	
11	11/20	09:45	150 km E of Taipei	2.4	10	
12	11/25	12:15	130 km W of Taipei	2.6	11	
13	11/30	14:00	160 km S of Taipei	2.3	9	
14	12/5	11:30	140 km E of Taipei	2.5	10	
15	12/10	08:15	120 km W of Taipei	2.2	8	
16	12/15	15:45	180 km S of Taipei	2.7	11	
17	12/20	10:30	150 km E of Taipei	2.4	10	
18	12/25	13:15	130 km W of Taipei	2.6	11	
19	12/30	16:00	170 km S of Taipei	2.3	9	



Epicenters of Felt Earthquakes From October to December, 1968



- I Northern District
- II Taichung District
- III Hwalien District
- IV Tainan District
- V Taitung District
- VI Hengchun District
- VII Other places and distant earthquakes
- ⊕:(r):Remarkable
- ⊙:(m):Moderate
- :(s):Small felt area
- :(l):Local
- ×: :Deep

Number of earthquakes classified according to it's maghitude and districts October to December, 1968

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Remarkable	Moderate	Small felt area	Local	Total		
Northern District	1	—	1	4	6	83	89
Taichung "	—	—	—	—	0	9	9
Hwalien "	—	1	5	13	19	80	99
Tainan "	—	—	1	—	1	5	6
Taitung "	—	—	1	6	7	82	89
Hengchun "	—	—	—	—	0	23	23
Total	1	1	8	23	33	282	315
Other places	—	—	—	—	0	170	170

Felt earthquakes in the month of October to December, 1968.

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude	Longitude	Depth
		d.	h.	m.					
121	Sep.	30	23	32	L	Near Hsinkong	N.	E,	Kms.
122	Oct.	4	05	45	L	About 100km. ENE. of Ilan			20
123	"	8	13	38	L	About 44km. NE. of Hwalien			5
124	"	10	23	57	L	About 68km. E. of Ilan			40
125	"	12	00	42	L	Near Hwalien			
126	"	14	17	32	S	About 15km. NNE. of Hwalien	24.1	121.7	5
127	"	18	05	54	L	About 80km. ENE. of Taipei			30
128	"	20	07	08	M	About 62km. ESE. of Ilan	24.9	122.3	40
129	"	29	09	24	S	About 88km. ESE. of Hwalien	23.8	122.5	20
130	Nov.	3	12	46	L	Near Hsinkong			
131	"	8	12	38	L	"			
132	"	10	17	02	M	About 205km. EVE. of Hengchun	22.4	122.7	20
133	"	20	20	08	L	About 27km. ESE. of Hsinkong			20
134	"	22	16	14	S	About 45km. SE. of Ilan	24.5	122.1	60
135	"	23	08	43	L	Near Ilan			
136	"	23	11	41	S	About 45km. ENE. of Taitung	22.9	121.5	
137	"	27	00	40	L	Near Hwalien			
138	"	28	01	44	L	"			
139	"	28	01	44	L	"			
140	"	30	20	12	S	About 160km. ENE. of Taipei	25.4	123.0	70
141	Dec.	7	05	54	S	About 110km. ESE. of Ilan	24.3	122.7	90
142	"	8	20	48	L	About 15km. SW. of Hsinkong			5
143	"	20	07	25	L	About 100km. ESE. of Ilan			60



No.	Month	P. (G. M. T.)			Mag- nitude	Epicenter	Latitude		Longitude	Depth
		d.	h.	m.			N.	E.		
144	Dec.	31	06	53	L	About 15km. S. of Taitung				"
145	"	26	15	42	L	Near Hwalien				
146	"	26	15	43	L	"				
147	"	26	18	37	L	"				
148	"	27	22	38	L	"				
149	"	27	22	43	L	"				
150	"	27	22	46	L	"				
151	"	28	00	31	L	"				
152	"	30	06	04	S	About 98km. WSW. of Kaohsiung	22.4	119.6		5
153	"	30	22	11	S	About 50km. NNW. of Hsinkong	23.5	121.3		25

Unfelt Earthquakes in the Month of October to December 1968.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1730	Oct.	1	03	37	Taichung district	1753	Oct.	4	06	17	Hwalien district
1731	"	1	09	53	Hengchun district	1754	"	4	06	20	"
1732	"	1	12	18	Taitung district	1755	"	4	06	23	Northern district
1733	"	2	11	53	Near Hwalien	1756	"	4	06	30	Hwalien district
1734	"	2	12	36	"	1757	"	4	06	37	Northern district
1735	"	2	15	41	Taitung district	1758	"	4	26	42	Hwalien district
1736	"	3	02	26	Hwalien district	1759	"	4	06	50	Northern district
1737	"	3	08	11	d	1760	"	4	10	04	"
1738	"	3	12	25	d	1761	"	4	10	30	"
1739	"	3	18	12	d	1762	"	4	14	01	"
1740	"	4	04	13	Northern district	1763	"	4	14	45	"
1741	"	4	04	15	"	1764	"	4	15	06	"
1742	"	4	04	19	"	1765	"	4	18	59	About 49km. ESE. of Hwalien
1743	"	4	04	43	About 115km. ENE. of Taipei	1766	"	5	04	54	d
1744	"	4	04	45	d	1767	"	5	12	00	Taitung district
1745	"	4	05	09	Northern district	1768	"	5	15	06	Taichung district
1746	"	4	05	19	"	1769	"	6	00	47	d
1747	"	4	05	51	About 100km. ENE. of Ilan	1770	"	6	02	54	d
1748	"	4	05	57	Hwalien district	1771	"	6	03	42	d
1749	"	4	06	01	Northern district	1772	"	6	05	10	d
1750	"	4	06	02	"	1773	"	6	07	42	d
1751	"	4	06	03	"	1774	"	6	08	58	d
1752	"	4	06	13	"	1775	"	6	13	11	d



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1776	Oct.	6	14	26	Near Ilan	1799	Oct.	8	17	29	Near Hwalien
1777	"	6	14	56	d	1800	"	8	17	49	Taitung district
1778	"	6	15	36	Taitung district	1801	"	8	19	47	Near Taitung
1779	"	6	17	52	Hengchun district	1802	"	8	19	49	Taitung district
1780	"	6	19	03	About 113km. ESE. of Ilan	1803	"	9	03	49	d
1781	"	6	19	34	d	1804	"	9	05	12	About 53km. SSW. of Hwalien
1782	"	6	19	44	d	1805	"	9	14	52	Taitung district
1783	"	7	00	31	d	1806	"	9	17	32	d
1784	"	7	07	25	Near Alishan	1807	"	10	05	25	About 45km. SSW. of Ilan
1785	"	7	08	14	Near Hwalien	1808	"	10	05	57	d
1786	"	7	08	25	Hwalien district	1809	"	10	15	13	d
1787	"	7	18	55	Near Hwalien	1810	"	11	06	11	Near Hwalien
1788	"	7	18	22	d	1811	"	11	06	56	Northern district
1789	"	7	20	36	d	1812	"	11	19	02	d
1790	"	7	20	54	Northern district	1813	"	11	23	58	Near Kaohsiung
1791	"	8	02	55	Tainan district	1814	"	12	07	51	Hwalien district
1792	"	8	04	33	d	1815	"	12	08	01	Hengchun district
1793	"	8	07	54	d	1816	"	12	12	16	d
1794	"	8	11	19	Near Hwalien	1817	"	12	16	40	About 80km. SE. of Ilan.
1795	"	8	12	28	Taitung district	1818	"	12	17	08	Hwalien district
1796	"	8	15	13	d	1819	"	12	19	25	d
1797	"	8	15	45	Near Anpu	1820	"	12	23	19	d
1798	"	8	16	26	Near Hwalieu	1821	"	13	02	48	Near Taipei

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1822	Oct.	13	09	34	Hwalien district	1845	Oct.	17	00	45	Hwalien district
1823	"	13	10	33	d	1846	"	17	05	17	d
1824	"	13	15	21	Taitung district	1847	"	17	07	02	d
1825	"	13	22	07	d	1348	"	17	09	23	Taichung district
1826	"	13	23	45	d	1849	"	17	13	40	d
1827	"	14	03	08	d	1850	"	17	21	09	d
1828	"	14	06	19	Northern district	1851	"	18	07	04	Northern district
1829	"	14	06	29	Hwalien district	1852	"	18	07	27	About 42km. E. of Ilan
1830	"	14	07	32	d	1853	"	18	08	18	Northern district
1831	"	14	09	16	d	1854	"	18	22	44	"
1832	"	14	21	36	Northern district	1855	"	18	23	52	"
1833	"	15	02	00	d	1856	"	19	02	19	Tainan district
1834	"	15	03	01	d	1857	"	19	04	17	Near Hwalien
1835	"	15	08	22	d	1858	"	20	07	17	Hwalien district
1836	"	15	15	41	Taitung district	1859	"	20	12	26	d
1837	"	15	20	13	d	1860	"	20	18	36	Northern district
1838	"	16	05	33	Near Anpu	1861	"	20	18	58	"
1839	"	16	06	54	d	1862	"	20	19	55	Near Hwalien
1840	"	16	07	47	d	1863	"	21	11	44	Hengchun district
1841	"	16	12	29	Taitung district	1864	"	21	21	01	Taichung district
1842	"	16	18	53	"	1865	"	21	23	55	About 37km. SSE. of Hwalien
1843	"	16	20	36	Hwalien district	1866	"	22	08	45	d
1844	"	16	21	05	Northern district	1867	"	22	15	21	Taitung district



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1868	Oct.	22	17	22	Hwalien district	1892	Oct.	27	13	47	d
1869	"	22	19	17	"	1893	"	27	20	52	d
1870	"	23	01	25	Hengchun district	1894	"	28	15	45	d
1871	"	23	09	51	Taitung district	1895	"	28	23	42	d
1872	"	23	21	10	d	1866	"	29	01	27	Taitung district
1873	"	24	01	39	Hwalien district	1897	"	29	02	06	d
1874	"	24	02	12	"	1898	"	29	04	10	d
1875	"	24	02	42	"	1869	"	29	04	14	Near Hwalien
1876	"	24	02	58	"	1900	"	29	06	31	d
1877	"	24	14	10	d	1901	"	29	13	58	d
1878	"	24	15	55	d	1902	"	29	17	06	d
1879	"	24	21	31	About 25km. NNE. of Taitung	1903	"	29	22	27	d
1880	"	25	01	02	Near Alishan	1904	"	29	22	29	Taitung district
1881	"	25	01	15	Hengchun district	1905	"	30	17	30	"
1882	"	25	03	36	Taitung district	1906	"	31	09	10	d
1883	"	25	10	05	"	1907	Nov.	1	02	02	Taitung district
1884	"	25	10	41	d	1908	"	1	04	50	d
1885	"	26	10	53	Hengchun district	1909	"	1	07	58	Hwalien district
1886	"	26	12	42	Northern district	1910	"	2	05	30	Near Hwalien
1887	"	26	14	37	Near Alishan	1911	"	2	09	21	Near Anpu
1888	"	26	16	10	d	1912	"	2	13	20	Near Hsinkong
1889	"	26	20	53	d	1913	"	2	13	25	d
1890	"	26	22	59	d	1914	"	2	15	55	Near Hwalien
1891	"	27	10	58	Taitung district						

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1915	Nov.	2	22	37	d	1937	Nov.	6	06	09	Northern district
1916	"	2	23	33	Taitung district	1938	"	6	07	34	Near Taipei
1917	"	3	03	27	Northern district	1939	"	6	08	15	Near Anpu
1918	"	3	03	56	Near Hsinkong	1940	"	6	18	39	d
1919	"	3	05	31	d	1941	"	6	23	19	Hengchun district
1920	"	3	06	14	Northern district	1942	"	7	01	09	d
1921	"	3	07	23	Taitung district	1943	"	7	03	44	d
1922	"	3	07	24	About 15km. NE. of Hsinkong	1944	"	7	06	02	Near Taipei
1923	"	3	07	54	Taitung district	1945	"	7	09	24	d
1924	"	3	08	12	d	1946	"	7	11	55	Taitung district
1925	"	3	12	30	Taitung district	1947	"	7	14	26	d
1926	"	3	13	16	"	1948	"	8	02	12	Northern district
1927	"	3	14	58	d	1949	"	8	03	10	Hwalien district
1928	"	4	01	45	d	1950	"	8	10	12	Near Anpu
1929	"	4	09	17	d	1951	"	8	19	41	Northern district
1930	"	4	14	18	Taitung district	1952	"	9	00	22	Near Alishan
1931	"	4	14	53	Northern district	1653	"	9	06	06	Hengchun district
1932	"	4	14	55	Near Hwalien	1954	"	9	14	10	d
1933	"	4	18	44	Hwalien district	1955	"	9	14	43	Near Hsinkong
1634	"	5	06	19	Near Taipei	1956	"	9	20	35	d
1935	"	6	00	48	d	1957	"	11	03	28	Near Anpu
1936	"	6	01	38	d	1958	"	11	06	57	d
						1959	"	11	14	46	d



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1960	Nov.	11	17	09	d	1982	Nov.	18	00	37	Taitung district
1961	"	12	00	45	d	1983	"	18	03	02	d
1962	"	12	09	02	d	1984	"	18	08	05	Near Alishan
1963	"	12	09	55	d	1985	"	18	16	56	About 33km. ESE. of Hsinkong
1964	"	12	14	09	d	1986	"	18	19	44	Near Hwalien
1965	"	12	22	12	d	1987	"	19	07	35	About 119km. WSW. of Kaohsiung
1966	"	13	18	46	d	1988	"	19	12	18	Taitung district
1967	"	14	12	14	d	1989	"	19	19	43	Northern district
1968	"	14	21	00	d	1990	"	19	23	02	d
1969	"	14	21	12	Near Hwalien	1991	"	19	23	51	Near Taitung
1970	"	14	21	45	Hengchun district	1992	"	20	01	53	Northern district
1971	"	14	23	28	d	1998	"	20	04	50	Hengchun district
1972	"	15	01	56	Taitung district	1994	"	20	12	18	Northern district
1973	"	15	06	58	d	1995	"	20	13	59	"
1974	"	15	17	30	d	1996	"	21	19	04	Near Hwalien
1975	"	16	07	56	d	1997	"	22	07	25	Taitung district
1976	"	17	00	35	Hengchun district	1998	"	22	07	55	"
1977	"	17	05	25	d	1999	"	22	09	01	d
1978	"	17	08	02	d	2000	"	22	33	26	d
1979	"	17	13	11	d	2001	"	23	00	36	Taitung district
1980	"	17	17	57	Hengchun district	2002	"	23	11	43	Hengchun district
1981	"	18	00	31	Taitung district	2003	"	23	15	29	Taitung district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
2004	Nov.	24	05	12	Taitung district	2027	Nov.	28	07	05	d
2005	"	24	06	15	d	2028	"	28	08	07	d
2006	"	24	17	07	Hengchun district	2029	"	28	08	37	Taitung district
2007	"	24	18	24	Taitung district	2030	"	28	10	48	"
2008	"	24	19	51	Hwalien district	2031	"	28	10	48	Taitung district
2009	"	24	21	26	d	2032	"	28	10	57	d
2010	"	25	01	35	d	2033	"	28	14	35	Near Taipei
2011	"	25	18	40	d	2034	"	28	14	58	Taitung district
2012	"	26	01	04	d	2035	"	28	16	39	d
2013	"	26	01	24	d	2036	"	29	04	38	d
2014	"	26	15	56	Northern district	2037	"	29	12	21	Taitung district
2015	"	26	17	31	Taitung district	2038	"	29	12	58	d
2016	"	26	17	45	Northern district	2039	Dec.	1	01	05	d
2017	"	26	18	47	d	2040	"	1	13	46	d
2018	"	26	22	00	d	2041	"	1	18	26	Hengchun district
2019	"	26	22	51	d	2042	"	1	20	50	Northern district
2020	"	27	01	07	d	2043	"	2	03	23	d
2021	"	27	11	56	Taitung district	2044	"	2	03	48	Hengchun district
2022	"	27	17	28	Hwalien district	2045	"	2	06	17	About 58km. ENE. of Tawu
2023	"	27	17	57	Northern district	2046	"	2	08	00	Near Hsinkong
2024	"	28	00	32	About 53km. SSE. of Ilan	2047	"	2	23	58	Hwalien district
2025	"	28	01	16	Near Hwalien	2048	"	3	17	33	Taitung district
2026	"	28	01	17	"	2049	"	3	19	33	d



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
2050	Dec.	4	02	52	d	2073	Dec.	11	06	11	Northern district
2051	"	5	10	04	d	2074	"	11	11	48	d
2052	"	5	22	17	Taitung district	2075	"	11	20	07	Near Hwalien
2053	"	5	22	20	Near Hsinkong	2076	"	11	22	07	d
2054	"	5	22	34	d	2077	"	12	00	18	Taitung district
2055	"	6	14	30	d	2078	"	12	00	45	d
2056	"	6	18	06	Hwalien district	2079	"	12	05	29	d
2057	"	6	21	17	Taitung district	2080	"	12	07	31	d
2058	"	7	05	04	d	2081	"	12	16	00	d
2059	"	7	15	49	d	2082	"	12	23	30	Taitung district
2060	"	7	21	46	d	2083	"	13	01	24	Hwalien district
2061	"	8	09	10	d	2084	"	13	12	40	Northern district
2062	"	8	10	06	Taitung district	2085	"	13	13	00	Near Hwalien
2063	"	8	13	07	Near Hwalien	2086	"	13	13	09	Hwalien district
2064	"	9	10	00	d	2087	"	13	19	23	Near Taitung
2065	"	9	13	51	Northern district	2088	"	14	01	21	Hwalien district
2066	"	10	00	53	Near Anpu	2089	"	14	02	04	Taitung district
2067	"	10	07	57	d	2090	"	14	04	47	Northern district
2068	"	10	08	25	Near Ilan	2091	"	14	05	00	d
2069	"	10	18	49	Northern district	2092	"	14	10	07	d
2070	"	10	21	34	"	2093	"	14	18	25	Taitung district
2071	"	11	03	06	"	2094	"	14	18	53	Northern district
2072	"	11	03	29	d	2095	"	15	00	22	Taitung district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
2096	Dec.	15	02	23	d	2119	Dec.	19	20	47	Near Hwalien
2097	"	16	00	10	Taitung district	2120	"	19	21	02	Near Taitung
2098	"	16	01	10	"	2121	"	20	14	32	Taitung district
2099	"	16	06	52	Northern district	2122	"	20	16	16	"
2100	"	16	10	57	d	2123	"	20	21	45	d
2101	"	16	19	09	Hengchun district	2124	"	20	22	28	Tainan district
2102	"	16	21	28	d	2125	"	21	00	28	Hengchun district
2103	"	16	23	43	Taitung district	2126	"	21	06	37	"
2104	"	17	02	38	Taitung district	2127	"	21	13	08	d
2105	"	17	06	47	"	2128	"	22	08	31	d
2106	"	17	08	09	Near Hwaliend\	2129	"	22	09	15	d
2107	"	17	12	12	d	2130	"	22	10	04	Hwalien district
2108	"	17	14	44	Northern district	2131	"	22	11	35	About 102km. ENE. of Hwalien
2109	"	17	14	59	Taitung district	2132	"	22	15	40	d
2110	"	17	15	03	"	2133	"	22	17	46	d
2111	"	17	16	02	"	2134	"	23	00	27	d
2112	"	17	22	26	d	2135	"	23	05	57	d
2113	"	18	06	25	Hengchun district	2136	"	23	08	44	Near Ilan
2114	"	18	12	25	Hwalien district	2137	"	23	20	48	Northern district
2115	"	18	19	50	d	2138	"	24	04	31	"
2116	"	19	05	32	d	2139	"	24	08	49	Taitung district
2117	"	19	11	30	d	2140	"	24	09	34	"
2118	"	19	20	23	d	2141	"	24	13	00	d



No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
2142	Dec.	24	21	50	Northern district	2165	Dec.	27	22	42	Near Hwalien
2143	"	25	02	05	d	2166	"	27	22	44	"
2144	"	25	04	01	d	2167	"	27	23	33	"
2145	"	25	04	36	Hwalien district	2168	"	27	23	59	"
2146	"	25	13	35	Northern district	2169	"	28	01	08	"
2147	"	25	16	26	"	2170	"	28	02	52	"
2148	"	26	05	07	"	2171	"	28	05	15	Taitung district
2149	"	26	08	58	d	2172	"	28	06	42	d
2150	"	26	12	41	Hengchun district	2173	"	28	06	58	Near Taitung
2151	"	26	13	47	"	2174	"	28	19	07	Hwalien district
2152	"	26	18	49	Near Hwalien	2175	"	28	21	57	d
2153	"	26	18	58	"	2176	"	29	00	32	Northern district
2154	"	26	20	17	"	2177	"	29	07	03	d
2155	"	26	21	17	d	2178	"	29	07	17	Taitung district
2156	"	27	00	06	Near Hsinkong	2179	"	31	06	06	Northern district
2157	"	27	04	34	Taitung district	2180	"	31	13	24	Taitung district
2158	"	27	04	59	Hwalien district	2181	"	31	14	05	d
2159	"	27	05	01	Northern district						
2160	"	27	10	44	"						
2161	"	27	10	57	Hwalien district						
2162	"	27	11	18	Northern district						
2163	"	27	11	32	Near Hwalien						
2164	"	27	14	19	"						

Major Earthquakes which occurred in October, 1968

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. S.
1	Tawu	3	p	12 25 35.7	-	-	-	-	-	-	-	-	-	-	53.4	O	U.S.C.G.S. 19.6N 122.0E Philippine Islands Region
	Hengchun	"	p	25 55.5	-	-	-	-	-	-	-	-	-	-	26.1	O	
	Taitung	"	p	26 02.8	-	-	-	-	-	-	-	-	-	-	46.2	O	
	Alishan	"	p	26 09.3	-	-	-	-	-	-	-	-	-	-	55.6	O	
	Hsinkong	"	p	26 12.7	-	-	-	-	-	-	-	-	-	-	-	O	
	Yushan	"	p	26 16.3	-	-	-	-	-	-	-	-	-	-	-	O	
	Tainan	"	ep	26 22.4	-	-	-	-	-	-	-	-	-	-	-	O	
	Taichung	"	ep	26 31.0	-	-	-	-	-	-	-	-	-	-	-	O	
	Anpu	"	p	26 37.0	-	-	-	-	-	-	-	-	-	-	122.0	O	
	Taipei	"	p	26 42.0	-	-	-	-	-	-	-	-	-	-	51.0	O	
2	Anpu	6	p	19 44 27.5	-	-	-	-	-	-	-	-	-	-	-	O	d
	Taitung	"	ep	44 44.9	-	-	-	-	-	-	-	-	-	-	-	O	
3	Hwalien	7	p	19 22 54.9	-	-	-	360	570	405	13.0	13.5	11.5	258.9	O	d	
	Kaohsiung	"	ep	23 47.5	-	-	-	-	-	-	-	-	-	3 2.5	O		
	Taipei	"	p	23 52.3	± 0	-	+	-	-	-	-	-	-	2 57.0	O		
	Ilan	"	ep	23 53.4	-	-	-	171	157	102	4.2	2.5	4.0	2 24.3	O		
	Anpu	"	p	23 54.4	- 1.8	- 3.9	+ 79.8	-	-	-	-	-	-	4 59.2	O		
	Hsinkong	"	p	43 58.5	-	-	-	-	-	-	-	-	-	3 5.5	O		
	Lanyu	"	p	24 00.0	-	-	-	-	-	-	-	-	-	3 49.2	O		
	Hsinchu	"	p	24 01.4	-	-	-	-	-	-	-	-	-	2 54.5	O		
Taitung	"	ep	24 02.6	-	-	-	452	362	183	5.3	3.6	5.4	3 48.0	O			
Taichung	"	ep	24 03.6	-	-	-	322	523	264	5.8	8.2	4.9	3 3.7	O			
Yushan	"	p	24 03.9	-	-	-	-	-	-	-	-	-	3 5.3	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	Alishan	7	ep	h. m. s. 19 24 04.0	μ	μ	μ		μ	μ	S.	S.	S.	M.S. 3 4.2	O	
	Hengchun	"	p	24 09.4	-	-	-	-	-	-	-	-	-	1 2.0	O	
	Penghu	"	ip	24 23.3	-	+	-	-	-	-	-	-	-	2 6.8	O	
	Tainan	"	ep	24 29.0	-	-	-	-	-	-	-	-	-	1 2.0	O	
	Tawu	"	p	25 16.1	-	-	-	-	-	-	-	-	-	2 51.6	O	
4	Hwalien	14	p	17 32 37.2	+	2.4	+ 51.6	+	3700	2500	1250	2.4	2.0	3.6	2.3 III	About
	Hsinkong	"	p	32 48.3	-	-	-	-	-	-	-	-	-	-	-	15km. NNE
	Hsinchu	"	ep	32 50.4	-	-	-	-	-	-	-	-	-	-	15.6 O	of Hwalien
	Alishan	"	ep	32 51.5	-	-	-	-	-	-	-	-	-	-	13.7 O	121.7E 24.1N
	Yushan	"	p	32 52.8	-	-	-	-	-	-	-	-	-	-	12.3 O	(H=5)
	Taipei	"	ip	32 54.0	+	7 ±	0 + 16	190	180	80	1.6	1.6	2.0	12.6 I		
	Taichung	"	ip	32 54.6	-	3.5	+ 34.1 - 62.4	841	383	367	2.1	2.4	2.1	11.0 I		
	Anpu	"	p	32 56.2	-	-	-	-	-	-	-	-	-	15.8 O		
	Taitung	"	p	33 03.5	-	-	-	-	-	-	-	-	-	32.3 O		
	Lanyu	"	p	33 05.0	-	-	-	-	-	-	-	-	-	-	O	
	Penghu	"	p	33 06.2	-	-	-	-	-	-	-	-	-	20.8 O		
	Tainan	"	ep	33 38.0	-	-	-	-	-	-	-	-	-	24.0 O		
	Kaohsiung	"	ep	33 10.2	-	-	-	-	-	-	-	-	-	22.0 O		
	Tawu	"	p	33 10.9	-	-	-	-	-	-	-	-	-	-	O	
	Hengchun	"	p	33 21.4	-	-	-	-	-	-	-	-	-	-	O	
	Ilan	"	p	33 51.4	-	-	-	468	312	160	1.9	2.1	1.3	9.7 I		
5	Taipei	15	ep	08 22 29.0	-	-	-	-	-	-	-	-	-	-	O d	
6	Anpu	16	p	07 47 48.8	-	-	-	-	-	-	-	-	-	142.6	O 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			
6	Ilan	16	ep	h. m. s. 07 47 50.0	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 2 10.3	O	
	Hwalien	"	p	48 08.4	-	-	-	-	-	-	-	-	-	-	155.6	O
	Taichung	"	ep	48 20.0	-	-	-	-	-	-	-	-	-	-	-	O
	Tainan	"	ep	49 53.3	-	-	-	-	-	-	-	-	-	-	-	O
	Taitung	"	p	50 16.4	-	-	-	-	-	-	-	-	-	-	-	O
7	Ilan	20	ip	07 08 31.7	+	119	+ 222 - 118	840	850	582	2.0	2.0	1.8	8.4 II	About	
	Anpu	"	p	08 33.5	-	-	-	-	-	-	-	-	-	7.5 I	62km ESE.	
	Taipei	"	ip	08 34.0	-	10	+ 110 - 16	2300	1900	1500	2.9	2.9	2.5	9.8 III	of Ilan	
	Hsinchu	"	ep	08 39.0	-	-	-	-	-	-	-	-	-	14.4 II	122.3E 24.9N	
	Hwalien	"	p	08 39.8	-	19.5	- 42.4 + 28.9	1650	1600	1200	2.4	2.0	3.3	17.8 I	(H=40)	
	Hsinkong	"	p	08 50.4	-	-	-	-	-	-	-	-	-	31.6 O		
	Taichung	"	ip	08 53.5	+	3.5	+ 13.6 - 18.8	837	819	629	3.5	4.7	3.0	25.0 I		
	Yushan	"	p	08 54.3	-	-	-	-	-	-	-	-	-	9.8 O		
	Alishan	"	ip	08 58.4	-	-	-	412	283	-	3.1	3.1	-	23.8 I		
	Taitung	"	p	08 59.5	-	-	-	238	276	-	4.3	6.2	-	38.4 O		
	Lanyu	"	p	09 00.0	-	-	-	-	-	-	-	-	-	O		
	Penghu	"	p	09 04.6	-	-	-	-	-	-	-	-	-	35.7 O		
	Tawu	"	p	09 08.4	-	-	-	-	-	-	-	-	-	16.5 O		
	Kaohsiung	"	ep	09 09.5	-	-	-	-	-	-	-	-	-	27.0 O		
	Tainan	"	ep	09 12.8	-	-	-	-	-	-	-	-	-	28.5 O		
	Hengchun	"	p	09 14.7	-	-	-	-	-	-	-	-	-	39.1 I		
8	Tawu	23	p	21 10 58.9	-	-	-	-	-	-	-	-	-	-	O	U.S.C.G.S.
	Anpu	"	p	11 10.3	-	-	-	-	-	-	-	-	-	-	O	3.3S 143.3E







Major Earthquakes which occurred in November, 1968

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	Taitung	4	p	h. m. s. 09 17 07.1	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 7 47.6	O	d
	Anpu	"	p	17 12.0	-	-	-	-	-	-	-	-	-	6 55.0	O	
2	Taitung	9	ep	20 35 34.3	-	-	-	-	-	-	-	-	-	3 38.6	O	U.S.C.G.S.
	Alishan	"	p	35 40.4	-	-	-	-	-	-	-	-	-	-	O	2.4N 126.8E
	Anpu	"	p	35 46.0	-	-	-	-	-	-	-	-	-	4 06.0	O	Molucca
	Ilan	"	ep	35 54.5	-	-	-	-	-	-	-	-	-	2 42.0	O	Rassage
3	Hengchun	10	p	17 02 37.5	-	-	-	-	-	-	-	-	-	24.5	I	About
	Hsinkong	"	p	02 35.3	-	-	-	-	-	-	-	-	-	34.0	O	205km.
	Tawu	"	p	02 36.3	-	-	-	-	-	-	-	-	-	18.1	O	ENE. of
	Taitung	"	p	02 42.8	-	-	-	-	-	-	-	-	-	39.4	O	Hengchun
	Lanyu	"	ep	02 43.0	-	-	-	-	-	-	-	-	-	40.0	O	122.7E 22.4N
	Kaohsiung	"	ep	02 51.2	-	-	-	-	-	-	-	-	-	29.8	O	(H=20)
	Alishan	"	ep	02 52.3	-	-	-	-	-	-	-	-	-	50.6	O	
	Tainan	"	ep	02 53.9	-	-	-	-	-	-	-	-	-	31.0	O	
	Yushan	"	p	02 58.9	-	-	-	-	-	-	-	-	-	-	O	
	Hwalien	"	p	03 02.0	-	-	-	-	-	-	-	-	-	24.2	O	
	Taichung	"	ep	03 05.9	-	-	-	-	-	-	-	-	-	58.3	O	
	Anpu	"	p	03 15.0	-	-	-	-	-	-	-	-	-	57.0	O	
	Ilan	"	ep	03 18.1	-	-	-	-	-	-	-	-	-	49.5	O	
Hsinchu	"	ep	04 23.7	-	-	-	-	-	-	-	-	-	01 00.0	O		
Taipei	"	ep	03 16.5	-	-	-	-	-	-	-	-	-	56.3	O		
4	Anpu	11	p	14 46 22.0	-	-	-	-	-	-	-	-	-	4 16.0	O	U.S.C.G.S.
	Taipei	"	p	46 22.9	-	-	-	-	-	-	-	-	-	4 16.5	O	40.1N 143.0E Off East

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				
4	Taitung	11	p	h. m. s. 14 46 44.7	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 4 44.2	O	Coast of	
	Tawu	"	p	46 46.3	-	-	-	-	-	-	-	-	-	-	O	Honshu	
	Hengchun	"	ep	47 04.8	-	-	-	-	-	-	-	-	-	-	O	Japan.	
	Taichung	"	p	53 09.0	-	-	-	-	-	-	-	-	-	-	O		
5	Anpu	12	p	00 45 52.0	-	-	-	-	-	-	-	-	-	1 18.0	O	U.S.C.G.S.	
	Ilan	"	ep	45 53.5	-	-	-	-	-	-	-	-	-	1 26.0	O	27.5N 128.4E	
	Taipei	"	p	45 55.2	-	-	-	-	-	-	-	-	-	1 12.8	O	Ryukyu	
	Hwalien	"	p	45 56.4	-	-	-	-	-	-	-	-	-	1 36.3	O	Islands	
	Alishan	"	p	45 58.2	-	-	-	-	-	-	-	-	-	-	O		
	Hsinkong	"	p	45 59.4	-	-	-	-	-	-	-	-	-	1 26.8	O		
	Taichung	"	ep	46 08.8	-	-	-	-	-	-	-	-	-	1 37.6	O		
	Taitung	"	p	46 11.5	-	-	-	-	-	-	-	-	-	-	O		
	Hengchun	"	ep	46 31.3	-	-	-	-	-	-	-	-	-	-	O		
	Tawu	"	p	46 34.6	-	-	-	-	-	-	-	-	-	45.0	O		
	Tainan	"	ep	48 01.0	-	-	-	-	-	-	-	-	-	-	O		
	6	Anpu	12	p	09 55 44.0	-	-	-	-	-	-	-	-	-	1 46.0	O	U.S.C.G.S.
		Taipei	"	ep	55 44.4	-	-	-	-	-	-	-	-	-	1 57.0	O	29.2N 129.4E
Ilan		"	ep	56 04.0	-	-	-	-	-	-	-	-	-	1 57.8	O	Ryukyu	
Taichung		"	p	56 21.0	-	-	-	-	-	-	-	-	-	-	O	Islands	
Taitung		"	ep	56 23.8	-	-	-	-	-	-	-	-	-	-	O		
7		Anpu	13	p	18 46 48.8	-	-	-	-	-	-	-	-	-	4 10.4	O	U.S.C.G.S.
	Taitung	"	p	46 56.0	-	-	-	-	-	-	-	-	-	4 41.3	O	40.2N 142.5E	
	Tawu	"	p	47 09.5	-	-	-	-	-	-	-	-	-	-	O	Near east coast of	



No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S M.S.	Intensity	Epicenter & Remark	
					N	E	Z	N	E	Z	N	E	Z				
7	Hengchun	13	ep	h. m. s. 18 47 27.9	μ	μ	μ	μ	μ	μ	S.	S.	S.	O		Honshu Japan	
8	Tawu	22	p	09 01 02.9	-	-	-	-	-	-	-	-	-	O		d	
	Taitung	"	ep	01 05.5	-	-	-	-	-	-	-	-	-	O	121.2		
	Alishan	"	ep	01 09.7	-	-	-	-	-	-	-	-	-	O	135.4		
	Hengchun	"	ep	01 11.2	-	-	-	-	-	-	-	-	-	O			
	Hsinkong	"	p	01 19.3	-	-	-	-	-	-	-	-	-	O	114.9		
	Taichung	"	ep	01 28.4	-	-	-	-	-	-	-	-	-	O	140.6		
	Hwalien	"	p	01 29.2	-	-	-	-	-	-	-	-	-	O	134.5		
	Anpu	"	p	01 32.0	-	-	-	-	-	-	-	-	-	O	138.0		
	Ilan	"	ep	01 40.8	-	-	-	-	-	-	-	-	-	O	116.8		
	Taipei	"	ep	01 41.2	-	-	-	-	-	-	-	-	-	O	133.6		
	Tainan	"	ep	02 31.5	-	-	-	-	-	-	-	-	-	O			
	Hsinchu	"	ep	03 08.0	-	-	-	-	-	-	-	-	-	O			
9	Ilan	22	p	16 14 43.9	-	-	-	-	-	-	-	-	-	O	8.8	II	About 45 km. SE. of Ilan
	Hwalien	"	ip	14 45.2	- 3.0	- 1.2	± 21.1	580	450	219	1.8	1.8	2.2	O	9.7	II	
	Taipei	"	ep	14 47.4	-	-	-	-	-	-	-	-	-	O	10.5	I	122.1E 24.5N (H=60)
	Hsikong	"	p	14 47.7	-	-	-	-	-	-	-	-	-	O	21.3		
	Hsinchu	"	ep	14 48.0	-	-	-	-	-	-	-	-	-	O	17.8		
	Anpu	"	p	14 48.3	-	-	-	-	-	-	-	-	-	O	10.0		
	Lanyu	"	p	14 50.0	-	-	-	-	-	-	-	-	-	O			
	Taichung	"	p	14 52.9	-	-	-	-	-	-	-	-	-	O	15.0		
	Yushan	"	p	14 53.6	-	-	-	-	-	-	-	-	-	O	12.0		
	Taitung	"	p	15 02.1	-	-	-	-	-	-	-	-	-	O	24.4		

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S M.S.	Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z				
9	Alishan	22	ep	h. m. s. 16 15 05.4	μ	μ	μ	μ	μ	μ	S.	S.	S.	O	17.1		
10	Hsinkong	23	p	11 41 45.4	-	-	-	-	-	-	-	-	-	O	5.2		About 45km. ENE.
	Taitung	"	p	41 47.6	-	-	-	-	-	-	-	-	-	I	3.9		of Taitung
	Lanyu	"	p	41 48.0	-	-	-	-	-	-	-	-	-	O			121.5E 22.9N
	Tawu	"	p	41 59.3	-	-	-	-	-	-	-	-	-	O			
	Yushan	"	p	42 00.6	-	-	-	-	-	-	-	-	-	O			
	Tainan	"	ep	42 05.6	-	-	-	-	-	-	-	-	-	O			
	Hengchun	"	ep	42 12.3	-	-	-	-	-	-	-	-	-	O			
	Hwalien	"	p	42 20.3	-	-	-	-	-	-	-	-	-	O	23.4		
	Anpu	"	p	42 28.5	-	-	-	-	-	-	-	-	-	O	21.0		
	Taichung	"	ep	42 30.0	-	-	-	-	-	-	-	-	-	O	21.6		
	Hsinchu	"	ep	42 34.7	-	-	-	-	-	-	-	-	-	O	18.9		
	Ilan	"	ip	42 37.6	-	-	-	273	291	120	1.8	1.8	1.4	I	3.9		
	Taipei	"	ep	42 42.8	-	-	-	-	-	-	-	-	-	O	7.8		
11	Anpu	24	p	21 26 02.0	-	-	-	-	-	-	-	-	-	O	4 12.0		U.S.C.G.S. 40.3N 142.3E
	Taipei	"	ep	26 02.5	-	-	-	-	-	-	-	-	-	O			Near east
	Alishan	"	p	26 19.5	-	-	-	-	-	-	-	-	-	O			Coast of Honshu
	Taitung	"	p	26 23.6	-	-	-	-	-	-	-	-	-	O			Japan
	Hengchun	"	ep	26 32.7	-	-	-	-	-	-	-	-	-	O			
12	Hsinkong	25	p	18 40 30.0	-	-	-	-	-	-	-	-	-	O	4 10.5		d
	Taichung	"	ep	41 16.1	-	-	-	-	-	-	-	-	-	O	3 59.8		
	Taitung	"	ep	41 22.0	-	-	-	-	-	-	-	-	-	O	3 27.3		
	Anpu	"	p	41 38.0	-	-	-	-	-	-	-	-	-	O	3 42.0		



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			
12	Ilan	25	ep	h. m. s. 18 41 41.2	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 3 41.0	O	
	Hengchun	"	ep	41 56.9	-	-	-	-	-	-	-	-	-	-	O	
	Taipei	"	ep	42 04.0	-	-	-	-	-	-	-	-	-	3 21.5	O	
	Hwalien	"	ep	42 04.8	-	-	-	-	-	-	-	-	-	3 16.1	O	
	Alishan	"	p	44 38.7	-	-	-	-	-	-	-	-	-	-	O	
	Tainan	"	ep	44 43.0	-	-	-	-	-	-	-	-	-	-	O	
13	Anpu	26	p	01 24 12.0	-	-	-	-	-	-	-	-	-	3 30.0	O	d
	Taitung	"	ep	24 18.1	-	-	-	-	-	-	-	-	-	-	O	
	Hsinkong	"	p	24 25.4	-	-	-	-	-	-	-	-	-	-	O	
14	Anpu	30	p	20 12 28.5	-	-	-	-	-	-	-	-	-	7.0	O	About 160km. ENE. of Taipei 25.4N 123.0E (H=70)
	Ilan	"	p	12 24.2	-	-	-	123	100	-	1.7	2.0	15.3	I		
	Taipei	"	ep	12 30.2	-	-	-	-	-	-	-	-	16.3	O		
	Hwalien	"	p	12 34.5	-	-	-	48	-	-	3.1	-	21.5	O		
	Alishan	"	ep	12 43.5	-	-	-	-	-	-	-	-	28.4	O		
	Taichung	"	ep	12 48.0	-	-	-	-	-	-	-	-	27.6	O		
	Taitung	"	p	12 54.6	-	-	-	-	-	-	-	-	20.6	O		

## Major Earthquakes which occurred in December, 1968.

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	Anpu	1	p	h. m. s. 01 05 24.0	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 1 42.0	O	d	
	Tawu	"	p	06 10.5	-	-	-	-	-	-	-	-	-	-	O		
	Hengchun	"	ep	06 13.1	-	-	-	-	-	-	-	-	-	-	O		
	Alishan	"	p	06 39.0	-	-	-	-	-	-	-	-	-	-	O		
2	Tawu	7	p	05 04 38.5	-	-	-	-	-	-	-	-	-	-	O	d	
	Hsinkong	"	p	04 41.2	-	-	-	-	-	-	-	-	-	5 58.4	O		
	Taitung	"	ep	04 52.7	-	-	-	-	-	-	-	-	-	8 30.4	O		
	Hengchun	"	ep	04 53.1	-	-	-	-	-	-	-	-	-	-	O		
	Tainan	"	ep	04 59.3	-	-	-	-	-	-	-	-	-	-	O		
	Anpu	"	p	05 02.0	-	-	-	-	-	-	-	-	-	5 34.0	O		
	Ilan	"	ep	05 06.2	-	-	-	-	-	-	-	-	-	4 35.1	O		
	Kaohsiung	"	ep	05 07.1	-	-	-	-	-	-	-	-	-	-	O		
	Taipei	"	p	05 09.5	-	-	-	-	-	-	-	-	-	5 38.0	O		
	Taichung	"	ep	05 14.3	-	-	-	-	-	-	-	-	-	1 16.4	O		
3	Hwalien	"	ep	05 18.5	-	-	-	-	-	-	-	-	-	5 17.0	O		
	Alishan	"	p	05 21.0	-	-	-	-	-	-	-	-	-	-	O		
	Kaohsiung	7	ep	05 54 23.2	-	-	-	-	-	-	-	-	-	-	O	About 110km. ESE. of Ilan 122.7E 24.3N (H=90)	
	Hsinkong	"	p	54 27.5	-	-	-	-	-	-	-	-	-	-	O		
	Ilan	"	ip	54 28.5	-	27 +	41 -	92	440	438	-	1.2	1.2	-	14.3		I
	Anpu	"	p	54 32.0	-	-	-	-	-	-	-	-	-	-	13.0		O
	Taipei	"	p	54 33.1	-	-	-	-	-	-	-	-	-	-	17.2		O
	Yushan	"	p	54 34.2	-	-	-	-	-	-	-	-	-	-	20.0		O
	Taitung	"	p	54 37.1	-	-	-	-	-	-	-	-	-	-	22.3		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	Alishan	7	ep	h. m. s. 05 54 37.8	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 22.2	O	
	Taichung	"	ep	54 38.5	-	-	-	-	-	-	-	-	-	21.5	O	
	Hsinchu	"	ep	54 39.0	-	-	-	-	-	-	-	-	-	20.0	O	
	Hwalien	"	ip	54 40.7	- 3.6	+ 2.3	-	102	172	-	2.8	2.6	-	12.0	O	
	Tawu	"	p	54 44.0	-	-	-	-	-	-	-	-	-	22.2	O	
	Tainan	"	ep	54 46.9	-	-	-	-	-	-	-	-	-	-	O	
	Hengchun	"	ep	54 51.9	-	-	-	-	-	-	-	-	-	-	O	
4	Anpu	17	p	12 12 56.0	-	-	-	-	-	-	-	-	-	8 40.0	O	d
	Hwalien	"	ep	13 01.9	-	-	-	-	-	-	-	-	-	-	O	
	Alishan	"	p	13 09.1	-	-	-	-	-	-	-	-	-	-	O	
	Taitung	"	ep	13 16.4	-	-	-	-	-	-	-	-	-	-	O	
5	Taitung	23	ep	05 57 52.6	-	-	-	-	-	-	-	-	-	-	O	d
	Anpu	"	p	58 02.0	-	-	-	-	-	-	-	-	-	-	O	
6	Alishan	24	p	13 00 55.1	-	-	-	-	-	-	-	-	-	-	O	d
	Hengchun	"	ep	01 03.6	-	-	-	-	-	-	-	-	-	-	O	
	Taitung	"	ep	01 08.4	-	-	-	-	-	-	-	-	-	-	O	
	Hwalien	"	ep	01 10.6	-	-	-	-	-	-	-	-	-	100.0	O	
	Anpu	"	p	01 22.0	-	-	-	-	-	-	-	-	-	2 12.0	O	
7	Anpu	25	p	04 01 52.0	-	-	-	-	-	-	-	-	-	7 47.0	O	d
	Taitung	"	ep	02 16.5	-	-	-	-	-	-	-	-	-	-	O	
8	Tawu	30	p	06 04 34.1	-	-	-	-	-	-	-	-	-	20.0	O	About
	Tainan	"	ip	04 37.1	+ 37.5	+ 40.2	+ 49.4	400	391	179	0.2	0.2	0.2	12.2	I	98km.
	Kaohsiung	"	ep	04 37.5	-	-	-	-	-	-	-	-	-	12.7	II	WSW. of Kaohsiung

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			
8	Alishan	30	ep	h. m. s. 06 04 40.8	μ	μ	μ	μ	μ	μ	S.	S.	S.	M.S. 15.2	O	22.4N 119.6E
	Yushan	"	ep	04 47.2	-	-	-	-	-	-	-	-	-	-	O	(H=5)
	Taitung	"	ep	04 50.7	-	-	-	-	-	-	-	-	-	6.4	O	
	Taichung	"	ep	04 53.2	-	-	-	-	-	-	-	-	-	21.0	O	
	Hengchun	"	ep	04 56.3	-	-	-	-	-	-	-	-	-	19.0	O	
	Hwalien	"	p	05 06.2	-	-	-	-	-	-	-	-	-	27.9	O	
	Taipei	"	ep	05 18.0	-	-	-	-	-	-	-	-	-	43.5	O	
	Anpu	"	p	05 18.0	-	-	-	-	-	-	-	-	-	-	O	
	Ilan	"	ep	05 24.4	-	-	-	-	-	-	-	-	-	28.1	O	
9	Hsinkong	30	p	22 11	-	-	-	-	-	-	-	-	-	-	III	About
	Yushan	"	ip	11 46.4	-	-	-	-	-	-	-	-	-	5.0	III	50km.
	Alishan	"	ip	11 48.1	-	-	-	-	-	-	-	-	-	4.2	II	WNW. of
	Taitung	"	ip	11 50.1	+ 21.8	+ 18.7	- 39.2	418	384	405	2.2	2.0	3.3	10.4	II	Hsinkong
	Lanyu	"	p	11 51.1	-	-	-	-	-	-	-	-	-	-	O	23.5N 121.3E
	Hwalien	"	ip	11 54.5	+ 25	- 1.2	+ 1.2	-	555	242	-	1.4	3.3	10.9	I	(H=25)
	Taichung	"	ip	12 00.0	- 16.3	+ 25.6	- 85.5	-	75	67	-	2.5	1.5	14.2	I	
	Tainan	"	ip	12 03.0	-	-	-	-	-	-	-	-	-	14.6	I	
	Penghu	"	p	12 03.8	-	-	-	275	225	-	2.3	2.6	-	20.9	O	
	Hengchun	"	p	12 07.1	-	-	-	-	-	-	-	-	-	20.0	O	
	Anpu	"	p	12 10.0	-	-	-	-	-	-	-	-	-	-	O	
	Ilan	"	ip	12 10.3	+ 40	+ 31	+ 33	-	-	-	-	-	-	19.0	II	
	Taipei	"	ip	12 11.0	- 31.2	- 7.5	-	570	360	-	2.0	1.0	-	24.0	I	
	Kaohsiung	"	ep	13 03.0	-	-	-	-	-	-	-	-	-	17.5	I	