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January to March 1965

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臺灣省氣象所

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TAIWAN WEATHER BUREAU

64 KUNG YUAN ROAD, TAIPEI, TAIWAN, CHINA

General Aspect of Earthquakes

January to March, 1965

The number of earthquakes which occurred during the Period from January to March, 1965 is 244. Among them, there are only 25 felt earthquakes including 2 remarkable, 1 moderate 6 small felt area, and 16 local ones.

The two remarkable earthquakes both happened in March and in Henchun district. The former occurred on 1st, March at a spot about 95 km. SE. of Henchun.

The latter happened on 6th, of the same month. Its epicenter was located at about 200 km. SSE. of Henchun.

The moderate one happened on March 15th at the spot about 36 km. E. of Tawu. Six small felt ones were distributed along the east coast and its neighborhood.

During this period, 60 distant earthquakes had been recorded by our seismographs. These data could be found in the latter part of this bulletin.



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

 λ : Longitude φ : Geographical Latitude φ' : Geocentric Latitude

$a = c\varphi' \cos \lambda, b = \cos \varphi' \sin \lambda, c = \sin \varphi'$

Station	φ (N)	λ (E)	φ'	Altitude	Subsoil	a	b	c	Seismographs
Anpu	25.11	121.31	25.20	836.2	Andesite Miocene Sands	-0.4736	+0.7725	+0.4231	SP (H. V.) LP (H. L.)
Alishan(mt.)	23.31	120.48	23.22	2403.1	tone	-0.4700	+0.7855	+0.3966	W. (H. V.) O.S. ₁
Hengchun	22.00	120.45	21.52	22.3	Alluvium	-0.4754	+0.7976	+0.3724	W. (H. V.) S ₂
Hsinkong	23.06	121.22	22.58	36.5 "	"	-0.4793	+0.7862	+0.3901	P ₁ , S ₂ W. (H.V.) A ₁
Hsinchu	24.48	120.58	24.39	32.8 "	"	-0.4677	+0.7793	+0.4171	P ₁ , S ₂
Hwalien	23.58	121.37	23.49	17.6 "	"	-0.4796	+0.7791	+0.4038	W. (H.V.) P ₁ , S ₂ , A ₂
Ilan	24.46	121.45	24.73	7.4 "	"	-0.4784	+0.7731	+0.4165	W. (H.V.) P ₁ , S ₁
Kaohsiung	22.37	120.16	22.29	33.1 "	"	-0.4657	+0.7981	+0.3824	P ₁ , S ₁
Lanyu	22.02	121.33	21.54	332.2	Basalt	-0.4881	+0.7950	+0.3730	P ₂
penghu	23.32	119.33	23.23	9.4 "	"	-0.4527	+0.7985	+0.3969	P ₁
Taipei	25.02	121.31	24.53	8.0	Alluvium	-0.4742	+0.7733	+0.4208	W. (H. V.) O.S ₁ , P ₃ , A ₁
Tawu	22.21	120.54	22.13	7.6 "	"	-0.4754	+0.7944	+0.3781	W. (H. V.) S ₁
Taitung	22.45	121.09	22.37	8.9 "	"	-0.4775	+0.7900	+0.3846	W. (H. V.) S ₂
Tainan	23.00	120.13	22.52	12.7 "	"	-0.4637	+0.7962	+0.3886	W. (H.V.) P ₁ , S ₁ , A ₁
Taichung	24.09	120.41	24.00	77.1 "	"	-0.4662	+0.7856	+0.4067	W. (H. V.) S ₂ , P ₁
Yushan(Mt. Morrison)	23.29	120.57	23.21	3850.0 "	"	-0.4722	+0.7873	+0.3964	P ₁

W(H): Wiechert's horizontal seismograph.

W(V): Wiechert's vertical seismograph.

O : Omori's horizontal seismograph. (V:20)

P₁ : C.M.O. type horizontal portable seismograph. (V:40)P₂ : Three component portable seismograph. (V:20)P₃ : Higuti-C.M.O. type short period, horizontal seismograph. (V:50)S₁ : C.M.O. type three component strong motion seismograph. (V:2)S₂ : Higuti-C.M.O. type three component strong motion seismograph. (V:1)A₁ : Isimimoto's three component acceleration seismograph.A₂ : 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

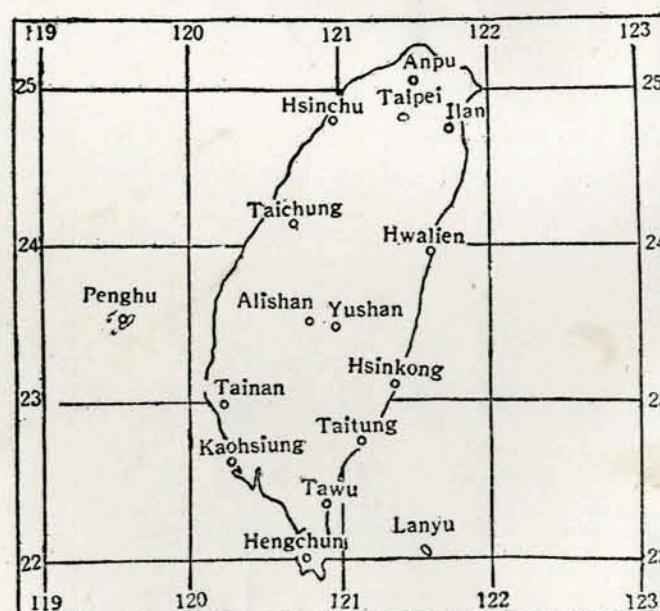


Table II. Specification of instruments:-

Mass of the pendulum M (kg) Friction r (mm.²)Magnification V. Proper period of the pendulum T_o (sec.)Damping ratio v. Proper period of the galvanometer T_g (sec.)

The Constants of Seismographs are as follows.

Seismograph	Component	M.	V.	v.	r.	T _o	T _g
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	
W(V)	E-W	18	40	8	0.13	5.1	
	N-S	18	40	8	0.13	5.1	
P ₁	E-W	10	20	2	0.24	4.0	
	N-S	10	20	2	0.41	4.0	
P ₂	E-W	7.5	20	2	0.29	4.0	
	N-S	7.5	20	2			
	U-D	7.5	20	2			
P ₃	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 ₁	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 ₂	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 ₁	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 ₂	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	∞		30.0	100.0
	N-S	10.75	750	∞		30.0	100.0
	U-D	11.2	750	∞		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 transversal oscillation, on reflection at the earth's surface.

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

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

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

M : Largest motion in the surface waves.

C : Tail or end portion.

F : End of the discernible movement

Δ : Epicentral distance.

ΔH : Focal distance.

H : Depth of focus.

μ : Micron.

P-S: Duration of Preliminary tremor.

2. Nature of the motion.

i : Sudden commencement of a phase.

e : Gradual or indistinct commencement of a phase.

? : Questionable or uncertain.

3. Period and initial motion.

T : Period, duration of one complete oscillation.

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

I_N : N-S component of I.

I_E : 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 sidding 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 according to the radius of the felt area assumed, roughly to be a circle as follows:-

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

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

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

(1) 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:

λ : Longitude (E)

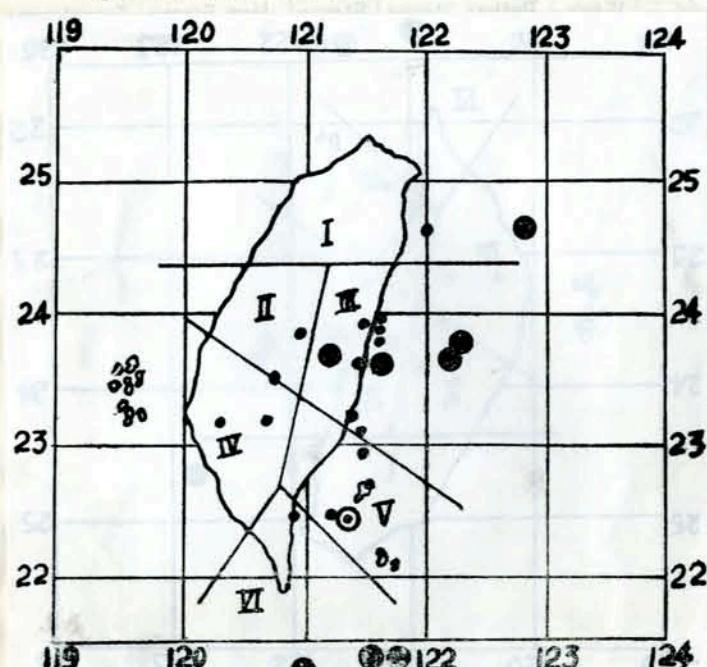
φ : Latitude (N)

The coordinates are expressed in degrees with one place of decimal.

8. Time

Time is referred to Greenwich Mean Time (G.M.T.)

Epicenters of Felt Earthquakes in January to March, 1965



Number of earthquakes classified according to its magnitude and districts January to March, 1965

Classification Districts	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Magnitudes	Remarkable	Moderate	Small felt area	Local		
Northern District	—	—	—	1	1	2	33
Taichung	"	—	—	—	2	2	21
Hwalien	"	—	—	4	7	11	101
Tainan	"	—	—	—	2	2	5
Taitung	"	—	1	1	3	5	47
Hengchun	"	2	—	—	1	3	14
Total	—	2	1	6	16	25	219
Other places	—	—	—	—	—	0	60
						60	244

The Felt Earthquakes from January to March, 1965.

No.	Month	P. (G. M. T.)	Magnitude	Epicenter	Latitude	Longitude	Depth
1	Jan.	d. 1 12 46	S	About 46 Km. SW. of Hwalien	N. 23.5	E. 121.3	Kms. 10
2	"	2 10 11	S		24.6	122.9	80
3	"	8 09 53	L	About 27 Km. NE. of Tainan			45
4	"	13 06 31	L	About 15 Km. NNE. of Hsingkong			20
5	"	13 16 35	L	About 40 Km. NNE of Yushan			15
6	"	15 18 34	S	About 49 Km. SSE. of Hwalien	23.5	121.8	20
7	"	15 19 47	L	About 47 Km. S. of Hwalien			45
8	"	17 20 01	S	About 65 Km. ESE. of Hwalien	23.6	122.1	10
9	"	28 01 00	L	About 27 Km. ESE. of Ilan About 32km. S. of Alishan			20
10	"	29 22 36	L				5
11	Feb.	1 00 39	L	Near Alishan			
12	"	9 21 47	L	About 12 Km. WSW. of Hwalien			40
13	"	11 08 53	S	About 82 Km. ESE. of Hwalien	23.7	122.4	30
14	"	21 21 52	L	About 25 Km. ESE. of Hsingkong			5
15	Mar.	1 08 19	S	About 105 Km. SE. of Hengchun	21.5	121.6	10
16	"	1 13 20	R	About 95 Km. SE. of Hengchun	21.6	121.5	50
17	"	4 15 13	L	Near Hwalien			
18	"	6 20 24	R	About 200 Km. SSE. of Hengchun	20.3	121.7	10
19	"	8 17 06	L	Near Tawu			
20	"	10 16 48	L	Near Hwalien			
21	"	15 02 02	M	About 36 Km. E. of Tawu	22.3	121.2	10
22	"	20 19 12	L	About 13 Km. E. of Hsingkong			
23	"	22 07 57	L	About 25 Km. E. of Tawu			20
24	"	23 15 01	L	Near Green Is.			10
25	"	24 12 51	L	Near Hwalien			

Unfelt Earthquakes From January to March, 1965.

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
1	Jan.	1 12 53	About 46 Km. SW. of Hwalien	6	Jan.	1 13 35	Taitung district
2	"	1 12 55	"	7	"	1 14 07	Hwalien district
3	"	1 14 55	"	8	"	1 14 55	About 70 Km. ENE. of Hsingkong
4	"	1 13 02	Near Hwalien	9	"	1 15 41	About 45 Km. SW. of Hwalien
	"	1 13 11	"	10	"	1 15 44	About 45 Km. SW. of Hwalien

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
11	Jan.	1 16 44	About 30 Km. S. of Hwalien	46	Jan.	11 09 51	Near Tawu
12	"	1 17 48	About 45 Km. ENE. of Alishan	47	"	12 06 15	Hwalien district
13	"	1 18 17	Hwalien district	48	"	12 06 18	Taichung district
14	"	2 06 23	Northern district	49	"	12 09 16	Northern district
15	"	2 09 21	Hwalien district	50	"	12 10 25	Taichung district
16	"	2 09 25	Near Alishan	51	"	12 10 29	About 47 Km. SSE. of Hwalien
17	"	2 13 49	d	52	"	12 11 29	Northern district
18	"	3 02 14	Near Ilan	53	"	12 15 54	Hwalien district
19	"	3 14 00	Near 70 Km. ENE. of Hsinkong	54	"	12 16 25	Northern district
20	"	4 00 03	Taitung district	55	"	13 06 44	Northern district
21	"	4 07 25	Taitung district	56	"	13 07 12	Hwalien district
22	"	4 15 06	Near 60 Km. ENE. of Hsinkong.	57	"	13 09 56	About 38 Km. NNE. of Hsinkong
23	"	4 18 04	Near Ilan	58	"	14 08 42	d
24	"	5 10 07	Near 35 Km. SSE. of Ilan	59	"	15 05 52	Northern district
25	"	5 22 08	Hwalien district	60	"	15 15 32	d
26	"	6 00 45	Near 65 Km. ENE. of Hsinkong	61	"	15 19 17	Northern district
27	"	6 07 32	Hwalien district	62	"	15 23 33	d
28	"	6 10 40	Near Hsinkong	63	"	16 03 00	About 68 Km. S. of Hwalien
29	"	6 18 18	Northern district	64	"	16 05 01	Near Yushan
30	"	7 00 15	d	65	"	17 01 55	Near Tainan
31	"	7 09 53	Taitung district	66	"	17 04 24	Taitung district
32	"	7 15 41	Near Ilan	67	"	17 05 23	Near Tainan
33	"	7 18 50	Hengchun district	68	"	17 13 33	Northern district
34	"	8 07 38	Near 30 Km. SSE. of Ilan	69	"	17 13 48	Near Anpu
35	"	8 13 46	Hwalien district	70	"	17 15 40	Near Yushan
36	"	9 06 14	Hwalien district	71	"	17 15 43	Hwalien district
37	"	9 13 34	d	72	"	18 00 50	Hwalien district
38	"	10 12 49	Hwalien district	73	"	18 17 21	Hwalien district
39	"	10 13 37	Northern district	74	"	19 04 59	Hwalien district
40	"	10 13 46	d	75	"	19 08 17	Hwalien district
41	"	10 15 01	Taitung district	76	"	19 13 55	Near Hsinkong
42	"	10 20 27	Near Ilan	77	"	20 12 48	Hwalien district
43	"	11 03 51	Hwalien district	78	"	21 19 43	Near Ilan
44	"	11 03 58	Hwalien district	79	"	21 22 01	About 40 Km. SE. of Hwalien
45	"	11 04 01	Hwalien district	80	"	22 13 52	Near Ilan

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
81	Jan.	23 02 30	Hwalien district	116	Feb.	4 05 13	Taitung district
82	"	23 02 33	Hwalien district	117	"	4 08 49	d
83	"	23 02 35	Near alishan	118	"	4 12 14	d
84	"	23 02 48	Near alishan	119	"	4 14 27	d
85	"	23 08 41	about 18 Km. ESE. of Yushan	120	"	5 11 50	Heng chun district
86	"	23 10 29	Hwalien district	121	"	5 09 41	Taitung d strict
87	"	23 23 27	Near alishan	122	"	5 19 53	Taitung district
88	"	23 23 29	Taichung district	123	"	6 01 50	d
89	"	24 00 16	d	124	"	6 17 00	d
90	"	24 00 27	Taitung district	125	"	6 17 27	Near Alshan
91	"	24 12 41	Hwalien district	126	"	7 02 25	d
92	"	24 16 00	Taitung district	127	"	7 04 20	d
93	"	24 18 48	Hwalien district	128	"	7 09 34	d
94	"	25 08 19	Near 20 Km. NE. of Yushan	129	"	7 11 42	d
95	"	26 13 02	Near 40 Km. ESE. of Hsinkong	130	"	7 14 23	Taitung district
96	"	26 23 56	d	131	"	7 23 18	Taitung district
97	"	28 01 58	Near 50 Km. SSW. of Hwalien	132	"	8 01 22	Taitung district
98	"	28 06 00	Near 50 Km. SSW. of Hwalien	133	"	8 01 43	Taitung district
99	"	28 15 28	Northern district	134	"	8 04 41	Hengchun district
100	"	28 18 08	Near 30 Km. SSE. of Ilan	135	"	8 15 54	d
101	"	28 21 11	about 80 Km. E. of Taipei	136	"	9 00 55	Hwalien district
102	"	28 22 25	Hwalien district	137	"	9 05 29	Northern district
103	"	28 22 36	Near 30 Km. NE. of Yushan	138	"	9 17 45	Northern district
104	"	29 22 31	Taitung district	139	"	9 23 24	d
105	"	30 19 50	Near 50 Km. WSW. of Hwalien	140	"	10 11 29	Near Tawu
106	"	30 20 26	Hwalien district	141	"	11 23 21	d
107	"	31 02 35	Hwalien district	142	"	12 00 59	d
108	"	31 17 02	Northern district	143	"	12 07 16	Near 15 Km. WNW. of Hsinkong
109	Feb.	1 07 30	Tainan district	144	"	12 07 47	Hwalien district
110	"	2 02 52	Taitung district	145	"	12 17 19	Taitung district
111	"	2 16 14	d	146	"	12 18 50	Near Hsinkong
112	"	2 19 22	About 33 Km. NNE. of Yushan	147	"	13 19 10	Tditung district
113	"	2 20 37	About 35 Km. ENE. of Yushan	148	"	13 22 51	Near 48 Km. SE. of Ilan
114	"	3 01 30	About 28 Km. ENE. of Yushan	149	"	13 22 52	d
115	"	4 05 10	d	150	"	14 02 48	Near Tawu

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
151	Feb.	14 18 01	Hwalien district	186	Feb.	27 21 04	Hengchun district
152	"	14 19 05	Near 40 Km. SSW. of Ilan	187	"	27 21 34	Hengchun district
153	"	15 10 47	d	188	"	28 04 40	Near 125 Km. ESE. of Hengchun
154	"	15 12 57	d	189	"	28 22 15	About 107 Km. ENE. of Ilan
155	"	16 11 18	Near Taitung	190	Mar.	1 07 29	(d)
156	"	16 12 29	d	191	"	1 09 03	About 25 Km. NNE. of Hinkong
157	"	17 10 28	d	192	"	1 13 09	Hengchun district
158	"	18 04 32	d	193	"	1 15 36	Hengchun district
159	"	18 22 46	d	194	"	2 09 31	d
160	"	19 04 12	Near 90 Km. ESE. of Hwalien	195	"	2 17 26	About 62 Km. ENE. of Ilan
161	"	21 15 10	Hwalien district	196	"	2 21 40	d
162	"	21 22 34	Near 103 Km ENE. of Hsinkong	197	"	2 21 50	Near Yushan
163	"	22 16 08	Taitung district	198	"	3 15 21	d
164	"	22 17 06	Taitung district	199	"	3 23 44	About 64 Km. SSE. of Ilan
165	"	22 18 56	Taitung district	200	"	4 02 01	Hwalien district
166	"	23 22 31	d	201	"	4 04 42	Hwalien district
167	"	23 23 24	d	202	"	4 23 30	Hwalien district
168	"	24 01 10	Near alishan	203	"	8 05 15	Taitung district
169	"	24 04 42	d	204	"	8 12 26	About 247 Km. ESE. of Hengchun
170	"	24 07 12	Near Hsinkong	205	"	8 03 56	Near Hwalien
171	"	25 01 00	Hwalien district	206	"	8 12 26	Hwalien district
172	"	25 01 20	Taitung district	207	"	9 18 10	b
173	"	25 04 59	d	208	"	11 13 15	About 82 Km. ESE. of Hwalien
174	"	25 16 05	Near 265 km. SE. of Hengchun	209	"	11 13 53	Hwalien district
175	"	25 16 34	Near 45 Km. SSE. of Ilan	210	"	11 22 04	Hwalien district
176	"	25 02 53	Near 23 Km. S. of Hsinkong	211	"	12 10 42	About 92 Km. ESE. of Ilan
177	"	26 00 20	Taichung district	212	"	12 14 55	Northern district
178	"	26 05 59	d	213	"	12 17 54	Hwalien district
179	"	26 09 02	d	214	"	12 19 00	Hwalien district
180	"	27 02 03	d	215	"	13 03 27	Near Hsinkong
181	"	27 08 31	d	216	"	13 04 02	Near Alishan
182	"	27 13 42	Northern district	217	"	13 17 11	Near Hwalien
183	"	27 17 13	Near Yushan	218	"	14 16 01	d
184	"	27 18 08	Near Alishan	219	"	14 17 55	Taichung district
185	"	27 18 35	Hengchun district	220	"	15 02 00	Hwalien district

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
221	Mar.	15 05 44	Near Tawu	256	Mar.	25 20 36	Near Hwalien
222	"	15 06 15	Taitung district	257	"	25 21 25	Near Hwalien
223	"	15 08 02	Taitung district	258	"	26 04 10	Hwalien district
224	"	16 16 51	d	259	"	26 04 16	Hwalien district
225	"	16 16 56	Hwalien district	260	"	26 06 09	Hwalien district
226	"	17 09 35	Hwalien district	261	"	26 06 22	Hwalien district
227	"	17 10 09	Northern district	262	"	27 09 14	Near Hwalien
228	"	17 10 33	Hwalien district	263	"	28 00 02	Taitung district
229	"	17 21 36	Near Hwalien	264	"	28 08 46	d
230	"	18 06 33	d	265	"	28 13 30	d
231	"	18 10 08	Northern district	266	"	28 16 53	d
232	"	19 11 27	Near Ilan	267	"	28 17 55	Taitung district
233	"	19 16 26	d	268	"	29 02 36	d
234	"	19 20 19	Taitung district	269	"	29 10 52	d
235	"	20 06 52	Hwalien district	270	"	29 15 57	About 80 Km. E. of Ilan
236	"	21 00 54	Taitung district	271	"	29 16 18	Hwalien district
237	"	21 11 13	d	272	"	29 17 34	Hengchun district
238	"	21 11 18	Taichung district	273	"	30 02 35	d
239	"	21 12 31	Taitung district	274	"	30 07 59	Near Hwalien
240	"	21 13 55	Near Alishan	275	"	30 08 07	Near Hwalien
241	"	21 23 37	Hwalien district	276	"	30 17 52	Taitung district
242	"	22 02 56	d	277	"	30 19 34	Taitung district
243	"	22 13 29	Near Hwalien	278	"	30 21 47	Near Ilan
244	"	22 17 16	d	279	"	31 09 59	d
245	"	23 08 59	Near Hwalien	280	"	31 09 46	Near Alishan
246	"	23 15 06	About 37 Km ESE of Taitung				
247	"	23 15 09	About 40 Km. ESE. of Taitung				
248	"	24 00 15	d				
249	"	24 07 58	Near Hwalien				
250	"	24 08 09	d				
251	"	24 15 28	Hwalien district				
252	"	24 21 50	Hengchun district				
253	"	24 22 46	d				
254	"	25 02 01	Near Hwalien				
255	"	25 19 53	Taitung district				

Major Earthquakes Occurred in January, 1965.

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
1	Yushan	12 46 44.3	ip	h. m. s. 95 - 143	μ	μ	μ	μ	μ	μ	μ	s	s	s m	3.3 I	About 46 Km.
	Hsinkong	46 50.2	ip	- 1.3 + 0.6 + 0.7	1000	1364	637	1.8	2.0	1.8	7.0 I	SW. of				
	Hwalien	46 52.0	ip	+ 86.2 + 52.5 + 75.0	800	1020	430	2.8	2.4	3.0	9.8 II	Hwalien				
	Alishan	46 53.0	ip	- 3 - 61	-	780	635	-	2.4	1.8	-	6.7 II	121.3 E			
	Taichung	46 58.2	ip	- - -	-	383	383	191	4.1	4.5	2.8	11.7 O	23.5 N			
	Taitung	46 58.5	ip	+ 3 - 4	-	517	429	-	0.9	1.6	-	27.8 I	(H=10)			
	Tawu	47 05.2	P	- - -	-	75	122	-	2.9	4.2	-	23.1 O				
	Ilan	47 05.5	ip	+ 16 - 7 + 26	631	465	224	2.0	1.9	1.5	16.5 II					
	Taipei	47 09.2	ip	+ 16.2 ± 0 + 20.0	450	306	62	1.5	1.8	2.0	19.2 I					
	Hengchun	47 13.0	ip	+ 238 + 4.8 - 34.2	143	179	150	-	2.0	2.1	43.4 I					
	Hsinchu	47 51.6	ep	- - -	-	-	-	-	-	-	21.6 O					
2	Taitung	10 11 13.0	ep	- - -	-	-	-	-	-	-	26.2 O	122.9 E				
	Hwalien	11 56.8	ip	- 2.11 + 1.9 + 29.0	-	56	-	-	1.3	-	16.9 I	24.6 N				
	Ilan	11 53.4	ip	+ 13.5 + 13.5 + 39.0	152	106	88	1.1	1.1	1.4	13.3 I					
	Taipei	11 58.7	ep	- - -	-	-	-	-	-	-	11.8 O					
	Hsinkong	12 04.1	ep	- - -	-	-	-	-	-	-	22.8 O					
	Tawu	12 20.7	ep	- - -	-	-	-	-	-	-	-	O				
	Alishan	12 22.2	ep	- - -	-	-	-	-	-	-	31.1 O					
	Yushan	12 03.8	P	- - -	-	-	-	-	-	-	26.0 O					
3	Taitung	13 49 13.7	ep	- - -	-	-	-	-	-	-	3 23.3 O	U.S.C.G.S				
	Hwalien	49 17.2	P	- - -	-	-	-	-	-	-	4 04.7 O	19.1N145.4 E				
	Tawu	49 21.8	ep	- - -	-	-	-	-	-	-	-	O Mariana				
	Hengchun	49 31.3	ep	- - -	-	-	-	-	-	-	-	O Islands				
4	Tawu	13 46 14.0	ep	- - -	-	-	-	-	-	-	-	O U.S.C.G.S.				
	Hengchun	46 19.9	ep	- - -	-	-	-	-	-	-	-	O 13.5S166.6 E				
	Taitung	46 21.1	ep	- - -	-	-	-	-	-	-	-	3 56.8 O	New Hebrides			
	Hwalien	46 22.6	P	- - -	-	-	-	-	-	-	-	7 54.2 O	Islands			
	Taipei	46 24.0	ep	- - -	-	-	-	-	-	-	-	O				
5	Taitung	18 34 10.4	ep	- - -	-	-	-	536	653	436	2.4	2.8	1.6	12.4 I		
	Yushan	34 18.7	ip	- - -	-	-	-	1870	1180	-	2.6	2.0	-	9.2 II	About 49 Km.	
	Hsinkong	34 20.1	ip	+ 16 + 22 - 43	1600	900	900	1.4	1.7	1.4	-	-	-	7.1 VI	SSE. of	

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	Hwalien	p	34 20.9	+ 2.8 -	μ	8.8 +	25	1800	2200	μ	1200	2.0	1.8	1.8	9.0 III	Hwalien	
	Alishan	ip	34 21.6	- - -	-	-	-	790	770	-	1.9	1.7	-	-	9.1 II	121.8 E	
	Taichung	ip	34 30.7	- - -	-	-	-	-	-	-	-	-	-	-	-	14.7 II	23.5 N
	Tawu	P	34 33.3	- - -	-	-	-	155	242	88	1.3	1.1	1.6	22.3 I	(H=20)		
	Hsinchu	ep	34 34.4	- - -	-	-	-	-	-	-	-	-	-	-	-	19.2 O	
	Ilan	P	34 36.0	- - -	-	-	-	304	250	176	1.7	1.9	2.0	14.3 I			
	Tainan	ip	34 36.8	- - -	-	-	-	-	-	-	-	-	-	-	-	19.6 O	
	Anpu	ip	34 37.5	- - -	-	-	-	-	-	-	-	-	-	-	-	11.5 I	
	Taipei	ep	34 39.3	- - -	-	-	-	244	213	-	1.3	0.8	-	-	-	17.5 I	
	Hengchun	ip	34 42.3	+ 3.8 +	6.0 -	0.6	-	300	292	109	-	-	-	-	-	23.7 O	
2	Alishan	17 P	20 01 08.0	- - -	-	-	-	-	-	-	-	-	-	-	-	6.2 I	
	Yushan	ip	01 27.2	- 25 -	10	-	-	350	1550	-	1.0	2.4	-	-	-	5.3 I	About 65 Km.
	Hwalien	P	01 32.1	- - -	-	-	-	210	290	-	2.2	2.8	-	-	-	10.2 II	ESE. of
	Hsinkong	ep	01 33.0	- - -	-	-	-	-	-	-	-	-	-	-	-	8.1 O	Hwalien
	Taichung	P	01 38.4	- - -	-	-	-	-	-	-	-	-	-	-	-	11.1 O	122.1 E
	Taitung	ep	01 38.8	- - -	-	-	-	-	-	-	-	-	-	-	-	17.8 O	23.6 N
	Hsinchu	ep	01 43.2	- - -	-	-	-	-	-	-	-	-	-	-	-	21.6 O	(H=10)
	Tainan	ep	01 45.2	- - -	-	-	-	-	-	-	-	-	-	-	-	16.5 O	
	Tawu	P	01 45.9	- - -	-	-	-	-	-	-	-	-	-	-	-	23.2 O	
	Taipei	ip	01 50.5	- 9.4 ± 0 +	2.5	-	-	-	-	-	-	-	-	-	-	20.4 O	
	Kaohsiung	ep	01 51.0	- - -	-	-	-	-	-	-	-	-	-	-	-	21.2 O	
	Anpu	ip	01 51.6	- - -	-	-	-	-	-	-	-	-	-	-	-	22.4 O	
	Hengchun	ep	01 56.8	+ 4.0 +	4.0	-	-	-	-	-	-	-	-	-	-	23.7 O	
	Ilan	P	02 14.0	- - -	-	-	-	170	106	50	2.9	2.6	2.3	15.8 I			
3	Alishan	24 ip	00 16 22.3	- - -	-	-	-	-	-	-	-	-	-	-	-	5 04.0 O	U.S.C.G.S
	Tawu	P	16 39.0	- - -	-	-	-	141	4200	1100	5.6	25.7	15.3	4	33.2 O	24S 126.0 E	
	Hengchun	P	16 43.0	- 21.4 -	8.3 + 10.1	280	282	275	-	-	-	-	-	-	-	4 20.1 O	Ceram
	Hsinkong	ep	16 47.8	- - -	-	-	-	-	-	-	-	-	-	-	-	-	Sea
	Taitung	ep	16 48.3	- - -	-	-	-	-	-	-	-	-	-	-	-	4 37.6 O	
	Yushan	P	16 52.5	- - -	-	-	-	-	-	-	-	-	-	-	-	4 41.4 O	
	Tainan	P	16 53.9	- - -	-	-	-	-	-	-	-	-	-	-	-	2 22.4 O	
	Penghu	P	16 55.6	- - -	-	-	-	-	-	-	-	-	-	-	-	4 43.0 O	
	Hwalien	P	16 55.8	- - -	-	-	-	-	-	-	-	-	-	-	-	3 43.3 O	

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Major Earthquakes Occurred in February, 1965.

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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	Hwalien	4	ep	12 14 48.1	μ	μ	μ	μ	μ	μ	μ	s	s	s m	—O	U.S.C.G.S.		
	Taitung		ep	14 56.0	—	—	—	—	—	—	—	—	—	—	7	2.0 O	52.6N172.1E	
4	Anpu	6	P	01 50 54.0	—	—	—	—	—	—	—	—	—	—	—	—O	Hwalien	
	Hwalien		P	51 03.2	—	—	—	—	—	—	—	—	—	—	—	—O d		
	Taitung		ep	51 09.6	—	—	—	—	—	—	—	—	—	—	9	7.8 O		
5	Anpu	6	P	17 00 50.8	—	—	—	—	—	—	—	—	—	—	—	—8	33.2 O	Hwalien
	Hwalien		ep	01 08.3	—	—	—	—	—	—	—	—	—	—	—	—O d		
	Taitung		ep	01 09.0	—	—	—	—	—	—	—	—	—	—	—9	16.0 O		
6	Anpu	7	ep	04 20 04.5	—	—	—	—	—	—	—	—	—	—	—	—O	Hsinkong	
	Hsinkong		ep	23 12.9	—	—	—	—	—	—	—	—	—	—	—	—O d		
	Hwalien		P	23 16.9	—	—	—	—	—	—	—	—	—	—	—	—O		
7	Taitung	8	ep	15 54 56.0	—	—	—	—	—	—	—	—	—	—	—	—3	39.3 O d	Anpu
	Anpu		ip	54 57.0	—	—	—	—	—	—	—	—	—	—	—	—7	27.0 O	
8	Hwalien	11	ip	08 53 30.5	+	+	+	3.9	280	330	148	2.7	2.9	2.5	9.5 O	About 82 Km. ESE. of Hwalien 122.4E23.7N		
	Hsinkong		ep	53 42.6	—	—	—	—	—	—	—	—	—	—	—	13.7 O		
	Ilan		P	53 42.8	—	—	—	—	139	188	105	2.7	1.4	2.0	12.9 I			
	Taipei		ip	53 47.0	+	10	—	10	+	9	105	70	—	0.9	0.9	—	19.0 O	
	Anpu		ip	53 47.7	—	—	—	—	—	—	—	—	—	—	—	—	17.3 O (H=30)	
	Yushan		P	53 50.0	—	—	—	—	—	—	—	—	—	—	—	—	10.1 O	
	Taitung		ep	53 50.0	—	—	—	—	—	—	—	—	—	—	—	—	18.5 O	
	Tawu		ep	54 01.8	—	—	—	—	—	—	—	—	—	—	—	—	23.4 O	
	Alishan		ep	54 03.9	—	—	—	—	—	—	—	—	—	—	—	—	15.6 O	
	Hengchun		ep	54 05.4	—	—	—	—	—	—	—	—	—	—	—	—	24.3 O	
9	Tainan		ep	54 11.7	—	—	—	—	—	—	—	—	—	—	—	—	26.5 O	Anpu
	Anpu	13	ep	22 52 08.0	—	—	—	—	—	—	—	—	—	—	—	—2	22.0 O	
	Hwalien		P	53 32.8	—	—	—	—	—	—	—	—	—	—	—	—	—O d	
10	Ilan		ep	53 52.0	—	—	—	—	—	—	—	—	—	—	—	—	—O	Taitung
	Taitung	15	ep	10 47 56.1	—	—	—	—	—	—	—	—	—	—	—	—	—O	
	Hwalien		P	48 06.1	—	—	—	—	—	—	—	—	—	—	—	—	—O d	
10	Anpu		ep	48 16.8	—	—	—	—	—	—	—	—	—	—	—	—4	49.2 O	Hwalien

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
11	Taitung	16	ep	12 29 14.3	μ	μ	μ	μ	μ	μ	s	s	s	m	s	O d
	Anpu		ep	29 17.0	—	—	—	—	—	—	—	—	—	6	14.0	O
12	Taitung	25	ep	04 59 06.8	—	—	—	—	—	—	—	—	—	—	—	O U.S.C.G.S.
	Anpu		ip	59 22.3	—	—	—	—	—	—	—	—	—	6	39.7	O 5.5S 152.0E
	Tawu		ep	05 01 04.5	—	—	—	—	—	—	—	—	—	—	—	O New Britain
	Taipei		ep	07 46.6	—	—	—	—	—	—	—	—	—	—	—	O Region
	Hengchun		ep	11 08.0	—	—	—	—	—	—	—	—	—	—	—	

Major Earthquakes Which Occurred in March, 1965.

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	1	ep	08 19 01.8	μ	μ	μ	314	252	μ	2.2	1.6	—	s m	13.3	I	
	Hengchun	P		19 17.9 +	1.2 +	6.8 —	5.0	435	554	316	—	—	—	13.0	II	About 105	
	Tawu	ep		19 19.7	—	—	—	84	90	84	1.6	2.3	5.4	15.0	O	Km. SE. of	
	Hsinkong	ep		19 29.4	—	—	—	—	—	—	—	—	—	23.1	O	Hengchun	
	Tainan	ep		19 30.5	—	—	—	—	—	—	—	—	—	23.4	O	121.6E	
	Alishan	ep		19 38.0	—	—	—	—	—	—	—	—	—	10.0	O	21.5N	
	Kaohsiung	P		19 38.2	—	—	—	—	—	—	—	—	—	21.6	O	(H=10)	
	Yushan	P		19 39.2	—	—	—	—	—	—	—	—	—	26.1	O		
	Taichung	P		19 42.1	—	—	—	—	—	—	—	—	—	36.7	O		
	Hwalien	P		19 46.0	—	—	—	247	220	100	3.1	3.3	2.5	32.9	O		
	Ilan	P		20 01.3	—	—	—	—	—	—	—	—	—	32.3	O		
	Anpu	ip		20 03.0	—	—	—	—	—	—	—	—	—	43.0	O		
	Taipei	ep		20 10.2	—	—	—	—	—	—	—	—	—	36.5	O		
	Penghu	ep		20 37.6	—	—	—	—	—	—	—	—	—	26.8	O		
2	Hsinchu	1	ep	13 20 54.7	—	—	—	—	—	—	—	—	—	34.6	O		
	Tawu	ip		21 17.0	—	4 +	1 —	6	151	136	110	1.8	0.7	1.6	15.0	O	About
	Hengchun	ip		21 17.5	—	23.8 +	17.8 —	46.1	7429	7280	413	—	—	—	10.7	III	95 Km. SE.
	Taitung	ep		21 23.6	—	—	—	569	421	134	1.3	1.3	1.1	9.8	I	of	
	Hsinkong	ep		21 28.5	+	0.5 +	0.2 —	—	182	167	—	1.7	3.3	—	10.4	I	Hengchun
	Tainan	ep		21 31.0	—	—	—	—	—	—	—	—	—	22.4	O	21.6N	
	Alishan	ep		21 36.0	—	—	—	—	—	—	—	—	—	25.4	I		

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						
Yushan		P	21 36.3	μ	μ	μ	μ	μ	μ	μ	μ	μ	—	—	32.8	O 121.5E		
Taichung		P	21 40.1	—	—	—	—	—	—	—	—	—	—	—	38.9	I (H=50)		
Kaohsiung		ep	21 41.0	—	—	—	—	—	—	—	—	—	—	—	17.5	O		
Hwalien		P	21 43.8	—	—	—	280	270	140	2.4	1.9	2.8	33.2	O				
Ilan		P	21 56.7	—	—	—	136	149	116	2.2	2.6	2.2	35.3	I				
Anpu		ip	22 00.6	—	—	—	—	—	—	—	—	—	—	—	44.4	O		
Taipei		P	22 00.8	—	—	—	—	—	—	—	—	—	—	—	42.5	O		
Penghu		ep	22 47.9	—	—	—	—	—	—	—	—	—	—	—	29.0	O		
3	Anpu	2	ip	21 40 03.0	—	—	—	—	—	—	—	—	—	—	2	52.0	O d	
	Taitung		ep	40 24.1	—	—	—	—	—	—	—	—	—	—	—	O		
4	Taitung	3	ep	15 21 23.2	—	—	—	—	—	—	—	—	—	—	—	6	49.5	O U.S.C.G.S.
	Tawu	P	21 55.4	—	—	—	—	—	—	—	—	—	—	—	—	—	O 5.5S 151.9E	
	Hwalien	P	22 01.4	—	—	—	—	—	—	—	100	—	—	20.0	—	6	18.3	O New Britain
	Anpu	ip	22 03.0	—	—	—	—	—	—	—	—	—	—	—	—	9	37.0	O Region
	Taipei	ep	22 06.5	—	—	—	—	—	—	—	—	—	—	—	—	—	O	
	Ilan	ep	22 17.7	—	—	—	—	—	—	—	—	—	—	—	—	6	36.3	O
	Hengchun	ep	22 26.4	—	—	—	—	—	—	—	—	—	—	—	—	—	O	
	Tainan	ep	31 29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	O	
5	Hengchun	6	ep	20 24 30.0	—	—	—	—	—	—	179	208	76	—	1.2	2.0	22.1	I
	Tawu	ep	24 31.1	—	—	—	—	—	—	—	—	—	—	—	—	—	23.9	O About
	Taitung	ep	24 32.2	—	—	—	—	—	—	—	—	—	—	—	—	—	48.8	O 200 Km. SSE.
	Hsinkong	ep	24 43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	37.0	O of Hengchun
	Alishan	ep	24 50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	43.0	I 121.7E
	Yushan	ep	24 55.2	—	—	—	—	—	—	—	—	—	—	—	—	—	39.7	O 20.3N
	Hwalien	P	24 59.2	—	—	—	—	115	66	41	3.1	3.0	2.5	46.4	O (H=10)			
	Tainan	P	25 04.1	—	—	—	—	—	—	—	—	—	—	—	—	38.7	O	
	Kaohsiung	P	25 08.0	—	—	—	—	—	—	—	—	—	—	—	—	35.0	O	
	Taichung	ep	25 13.0	—	—	—	—	—	—	—	—	—	—	—	—	39.6	O	
	Ilan	P	25 16.0	—	—	—	60	100	50	2.5	2.							

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	Alishan	14	P	16 01 00.0	μ	μ	μ	μ	μ	μ	μ	s	s	s	m	O	U.S.C.G.S.	
	Taichung		ep	01 01.0	—	—	—	—	—	—	—	—	—	—	4	42.4	O 36.3N 70.7E	
	Anpu		ip	01 02.0	—	—	—	—	—	—	—	—	—	—	6	09.0	O Hindu Kush	
	Tainan		ep	01 04.1	—	—	—	—	—	—	—	—	—	—	5	58.0	O Region	
	Taipei		P	01 05.2	—	17 +	27	—	—	—	—	—	—	—	6	17.5	O In Afghanis	
	Yushan		P	01 05.2	—	—	—	—	—	—	—	—	—	—	—	O	Tan and West	
	Kaohsiung		P	01 08.0	—	—	—	—	—	—	—	—	—	—	—	O	Pakistan	
	Hwalien		ip	01 08.0	—	6.8 + 10.0	—	21.0	58	48	48	—	—	—	5	25.4	O	
	Tawu		ip	01 09.7	—	4 + 10.0	—	—	—	—	—	—	—	—	5	26.9	O	
	Taitung		P	01 10.5	—	—	—	—	—	—	—	—	—	—	6	25.5	O	
	Hsinkong		ep	01 11.1	—	—	—	—	—	—	—	—	—	—	—	O		
	Hengchun		ep	01 13.5	—	—	—	—	—	—	—	—	—	—	6	22.5	O	
	Ilan		P	01 15.6	—	—	—	—	—	—	—	—	—	—	—	—		
7	Taitung	15	P	02 02 11.0	—	81.2	—	66.2	—	60	150	165	1200	—	—	—	5.8	II
	Hsinkong		ep	02 11.0	—	—	—	—	—	—	—	—	—	—	5.8	O	About 36Km	
	Tawu		ip	02 11.6 +	2	—	2	—	—	28000	25000	40000	1.3	3.4	1.8	5.0	III	E. of Tawu
	Alishan		ep	02 17.0	—	—	—	—	—	—	—	—	—	—	16.0	I	22.3N121.2E	
	Yushan		ep	02 18.0	—	—	—	—	—	—	—	—	—	—	27.0	I	(H=10)	
	Hengchun		ip	02 21.3 + 17.9 + 16.7	—	30.0	—	—	530	458	481	—	—	—	7.9	III		
	Tainan		P	02 25.9	—	—	—	—	—	—	—	—	—	—	27.9	I		
	Kaohsiung		P	02 26.2	—	—	—	—	—	—	—	—	—	—	13.3	O		
	Hwalien		P	02 31.1	—	—	—	—	185	185	70	3.4	3.2	2.0	37.3	O		
	Ilan		P	02 31.7	—	—	—	—	90	84	80	2.4	2.6	2.5	33.1	I		
	Taichung		ip	02 35.0	—	—	—	—	—	—	—	—	—	—	25.0	O		
	Anpu		ip	02 50.8	—	—	—	—	—	—	—	—	—	—	55.2	O		
	Taipei		P	02 51.0	—	—	—	—	—	—	—	—	—	—	39.0	O		
	Penghu		P	03 05.6	—	—	—	—	—	—	—	—	—	—	19.6	O		
8	Anpu	16	ip	16 51 25.6	—	—	—	—	—	—	—	—	—	—	4	10.4	O U.S.C.G.S.	
	Ilan		ep	51 26.6	—	—	—	—	—	—	—	—	—	—	5	23.6	O 40.8N142.9E	
	Taipei		P	51 27.1 +	2	+	7	—	—	—	—	—	—	—	—	O	Near East Coast	
	Hwalien		P	51 34.8	—	—	—	—	—	—	—	—	—	—	—	O	of Honshu	
	Taitung		ep	51 35.3	—	—	—	—	—	—	—	—	—	—	5	00.3	O Japan	

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					
	Tawu		ep	51 47.4	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	—	O		
	Hengchun		ep	52 00.0	—	—	—	—	—	—	—	—	—	—	4	36.0	O	
9	Tawu	19	ep	16 26 05.9	—	—	—	—	—	—	—	—	—	—	—	O	U.S.C.G.S.	
	Hengchun		ep	26 06.0	—	—	—	—	—	—	—	—	—	—	—	O	2.0S 119.8E	
	Taitung		ep	26 12.0	—	—	—	—	—	—	—	—	—	—	4	33.0	O Cebbes	
	Yushan		P	26 16.8	—	—	—	—	—	—	—	—	—	—	—	O		
	Alishan		P	26 19.0	—	—	—	—	—	—	—	—	—	—	—	O		
	Anpu		ip	26 30.4	—	—	—	—	—	—	—	—	—	—	4	51.6	O	
	Ilan		ep	26 32.2	—	—	—	—	—	—	—	—	—	—	—	O		
	Hwalien		P	26 52.3	—	—	—	—	—	—	—	—	—	—	4	13.3	O	
10	Taitung	21	ep	11 13 32.7	—	—	—	—	—	—	—	—	—	—	—	4	35.1	O U.S.C.G.S.
	Hengchun		ep	13 35.0	—	—	—	—	—	—	—	—	—	—	—	O	1.5S 126.5E	
	Tawu		ep	13 32.7	—	—	—	—	—	—	—	—	—	—	—	4	27.0	O Molucca
	Hsinkong		ep	13 43.5	—	—	—	—	—	—	—	—	—	—	—	O	Sea	
	Hwalien		ep	13 50.0	—	—	—	—	—	—	—	—	—	—	4	41.9	O	
	Alishan		P	13 50.8	—	—	—	—	—	—	—	—	—	—	—	O		
	Anpu		ip	13 57.0	—	—	—	—	—	—	—	—	—	—	—	O		
	Tainan		ep	14 02.1	—	—	—	—	—	—	—	—	—	—	—	O		
	Taichung		ep	14 03.1	—	—	—	—	—	—	—	—	—	—	—	O		
	Ilan		ep	14 10.8	—	—	—	—	—	—	—	—	—	—	4	22.5	O	
	Taipei		ep	14 14.8	—	—	—	—	—	—	—	—	—	—	4	55.0	O	
	Kaohsiung		ep	14 25.9	—	—	—	—	—	—	—	—	—	—	—	O		
11	Taitung	28	ep	16 53 12.6	—	—	—	—	—	—	—	—	—	—	—	11	2.0	O
	Anpu		ip	53 14.2	—	—	—	—	—	—	—	—	—	—	—	O	d	
	Taipei		ep	53 17.2	—	—	—	—	—	—	—	—	—	—	—	O		
	Tawu		ep	53 17.3	—	—	—	—	—	—	—	—	—	—	—	O		
12	Anpu	29	ip	10 52 46.0	—	—	—	—	—	—	—	—	—	—	—	4	10.0	O U.S.C.G.S.
	Ilan		ep	52 47.6	—	—	—	—	—	—	—	—	—	—	—	4	27.4	O 40.8N142.8E
	Taipei		ep	52 50.4	—	—	—	—	—	—	—	—	—	—	—	O	Near East	
	Hengchun		ep	53 02.6	—	—	—	—	—	—	—	—	—	—	—	O	Coast of	
	Taitung		ep	53 08.4	—	—	—	—	—	—	—	—	—	—	—	4	43.0	O

No.	Station	Date	Phase	P, (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks
					N	E	Z	N	E	Z	N	E	Z		
	Tawu		ep	53 08.5	μ	μ	μ	μ	μ	μ	s	s	s m	s	O Honshu
	Hwalien		P	53 09.3	—	—	—	—	—	—	—	—	—	—	O Japan
	Tainan		ep	53 17.2	—	—	—	—	—	—	—	—	—	—	O
13	Anpu	30	ip	02 35 57.3	—	—	—	—	—	—	—	—	—	6	42.7 O U.S.C.G.S.
	Taipei		P	36 00.5	—	—	—	—	—	—	—	—	—	7	8.0 O 50.6N 177.9E
	Hwalien		P	36 05.3	—	—	—	—	—	—	—	—	—	—	O Rat Islands
	Yushan		P	36 08.3	—	—	—	—	—	—	—	—	—	—	O Aleutian
	Hsinkong		ep	36 12.1	—	—	—	—	—	—	—	—	—	—	O Islands
	Ilan		ep	36 12.7	—	—	—	—	—	—	—	—	—	5	47.5 O
	Alishan		ep	36 12.8	—	—	—	—	—	—	—	—	—	—	O
	Hsinchu		ep	37 13.0	—	—	—	—	—	—	—	—	—	—	O
	Taitung		ep	36 14.0	—	—	—	—	—	—	—	—	—	7	24.0 O
	Taichung		ep	36 14.4	—	—	—	—	—	—	—	—	—	—	O
	Tawu		ep	36 14.9	—	—	—	—	—	—	—	—	—	—	O
	Hengchun		ep	36 19.8	—	—	—	—	—	—	—	—	—	—	O
14	Taitung	31	ep	09 59 29.9	—	—	—	—	—	—	—	—	—	—	O d
	Anpu		ip	59 41.9	—	—	—	—	—	—	—	—	—	10	00.1 O

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地 震 季 報

第十二卷 第二號

中華民國五十四年四、五、六月

SEISMOLOGICAL BULLETIN

April to June 1965

VoL. 12 No. 2

臺灣省氣象局

PUBLISHED QUARTERLY BY

TAIWAN WEATHER BUREAU

64 KUNG YUAN ROAD, TAIPEI, TAIWAN, CHINA

General Aspect of Earthquakes

From April to June, 1965

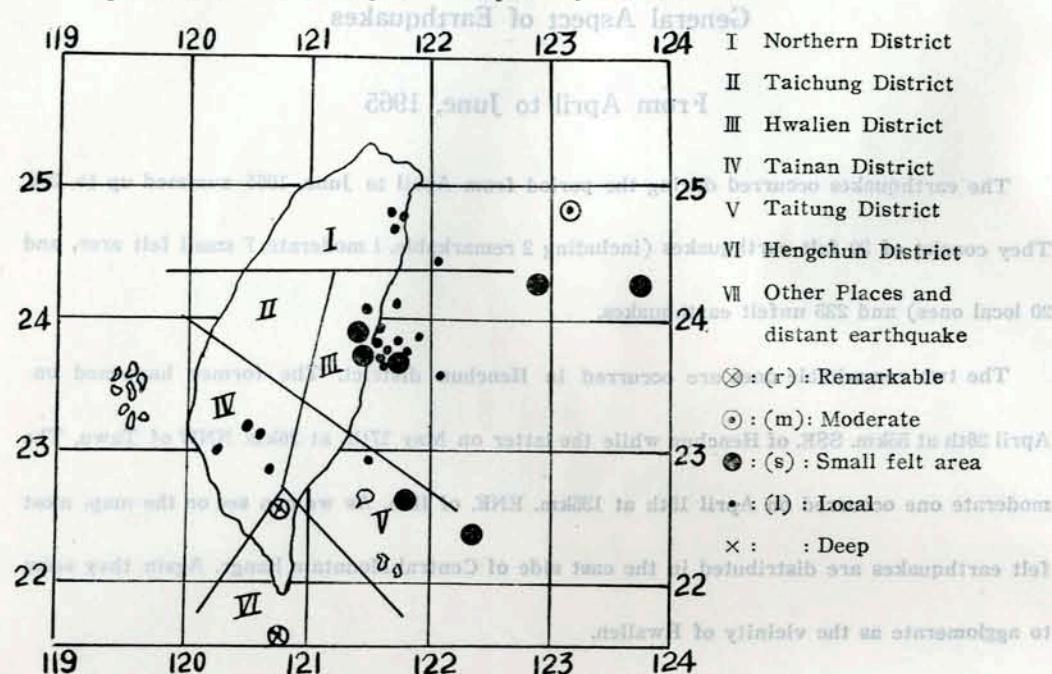
The earthquakes occurred during the period from April to June, 1965 summed up to 263.

They consist of 30 felt earthquakes (including 2 remarkable, 1 moderate, 7 small felt areas, and 20 local ones) and 233 unfelt earthquakes.

The two remarkable ones are occurred in Henchun district. The former happened on April 26th at 55km. SSE. of Henchun while the latter on May 17th, at 26km. NNW of Tawu. The moderate one occurred on April 15th at 135km. ENE. of Ilan. As we can see on the map, most felt earthquakes are distributed in the east side of Central Mountain Range. Again, they seem to agglomerate as the vicinity of Hwalien.

Besides those happened in Taiwan and its neighborhood, 79 distant earthquakes have also been recorded by our seismographs. Their data are shown on the latter part of this bulletin.

Epicenters of Felt Earthquakes in April to June, 1965



Number of earthquakes classified according to its magnitude and districts April to June, 1965

Classification Districts	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Magnitudes	Remarkable	Moderate	Small felt area	Local		
Northern District	—	—	1	—	4	5	21 26
Taichung	"	—	—	—	—	0	17 17
Hwalien	"	—	—	5	11	16	94 110
Tainan	"	—	—	—	4	4	5 9
Taitung	"	—	—	2	1	3	56 59
Hengchun	"	2	—	—	—	2	40 42
Total		2	1	7	20	30	233 263
Other places	—	—	—	—	—	0	79 79

The Felt Earthquakes Occurred from April to June, 1965.

No.	Month	P. (G. M. T.)	Magnitude	Epicenter	Latitude	Longitude	Depth
26	Apr.	d. h. m. 2 03 05	(1)	Near Tainan			
27	"	5 13 00	"	Near Hwalien			
28	"	6 20 39	"	Near Ilan			
29	"	6 20 55	"	"			
30	"	8 05 22	"	Near Hwalien			
31	"	9 08 41	"	About 34 km. NE. of Tainan			0
32	"	9 22 34	"	About 65 km. SE. of Hwalien			20
33	"	11 20 20	"	About 40 km. ESE. of Tainan			0
34	"	15 05 10	(m)	About 135 km. ENE. of Ilan	24.9	123.1	10
35	"	18 13 14	(1)	About 38 km. ENE. of Tainan			0
36	"	24 17 02	"	Near Hwalien			
37	"	26 22 15	(r)	About 55 km. SSE. of Heng-chun	21.5	120.9	0
38	"	29 00 41	(1)	About 23 km. SE. of Hsin-kong			0
39	"	29 02 31	"	About 40 km. SE. of Ilan			40
40	May	5 13 58	"	About 25 km. NE. of Hwalien			35
41	"	17 17 19	(r)	About 26 km. NNW. of Tawu	22.5	120.8	
42	"	28 05 17	(s)	About 155 km. E. of Tawu	22.2	122.4	20
43	Jun.	1 19 10	(1)	About 16 km. NNW. of Hwalien			20
44	"	6 11 21	(s)	About 66 km. E. of Taitung	22.8	121.8	20
45	"	11 13 20	"		24.4	122.9	50
46	"	15 08 02	(1)	About 35 km. ESE. of Hwalien			20
47	"	15 21 02	"	Near Ilan			
48	"	17 10 44	(s)	195 km. ESE. of Ilan	24.4	123.6	60
49	"	27 11 36	"	About 30 km. SSE. of Hwalien	22.7	121.7	30
50	"	27 14 55	(1)	About 40 km. S. of Hwalien			20
51	"	28 00 07	(s)	About 24 km. WSW. of Hwalien	23.9	121.4	10
52	"	28 15 45	"	About 30 km. SSW. of Hwalien	23.7	121.5	5
53	"	28 17 33	(1)	About 35 km. S. of Hwalien			35
54	"	28 18 12	"	About 32 km. SE. of Hwalien			25
55	"	28 20 47	"	About 25 km. SSE. of Hwalien			20

Unfelt Earthquakes from April to June, 1965.

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
281	Apr.	d. h. m. 1 04 02	Near Hsinkong	315	Apr.	d. h. m. 18 06 57	d
282	"	1 09 46	About 47 km. SSE of Ilan	316	"	18 09 58	d
283	"	1 21 43	d	317	"	18 12 43	Taitung district
284	"	1 16 44	Teitung district	318	"	18 18 11	Hengchun district
285	"	2 02 53	About 67 km. E. of Hwalien	319	"	18 18 29	Taitung district
286	"	2 07 24	Hengchun district	320	"	18 18 53	"
287	"	2 12 53	Taitung diotrikt	321	"	18 20 26	"
288	"	2 13 07	d	322	"	19 16 20	Tainan district
289	"	3 12 31	d	323	"	19 18 58	Taitung distrcit
290	"	5 03 59	d	324	"	19 23 46	d
291	"	5 06 34	d	325	"	21 00 00	About 140 km. ESE. of Ilan
292	"	5 14 04	d	326	"	21 01 53	Hwalien district
293	"	5 19 11	Near Hwalien	327	"	21 06 05	"
294	"	6 09 47	d	328	"	23 15 00	Near Hwalien
295	"	7 00 02	Northern district	329	"	23 23 46	Northern district
296	"	7 09 47	d	330	"	24 03 10	d
297	"	8 05 16	Near Hwalien	331	"	24 08 03	d
298	"	8 13 52	d	332	"	24 22 00	d
299	"	9 10 57	d	333	"	25 01 04	d
300	"	9 16 34	Northern district	334	"	25 01 04	Taitung district
301	"	9 22 58	d	335	"	25 11 03	About 62 km. SSW. of Hwalien
302	"	10 09 47	Near Alishan	336	"	25 21 04	About 44 km. ENE. of Alishan
303	"	10 14 12	Taitung district	337	"	25 21 31	d
304	"	11 01 55	About 38 km. NE. of Hsinkong	338	"	26 09 52	d
305	"	11 02 25	Taichung district	339	"	26 13 37	Taitung district
306	"	12 20 44	Hwalien district	340	"	26 22 23	About 55 km. SSE. of Hengchun
307	"	12 20 47	Hwalien district	341	"	27 02 43	"
308	"	13 09 20	Taitung district	342	"	27 14 05	Taitung district
309	"	13 18 56	Northern district	343	"	28 12 08	d
310	"	15 04 29	Hengchun district	344	"	28 19 30	Taitung district
311	"	15 14 37	About 100 km. ENE. of Taipei	345	"	29 15 41	Hwalien district
312	"	15 18 02	Taitung district	346	"	29 15 59	"
313	"	16 23 32	d	347	"	29 22 00	Near Hsinkong
314	"	18 04 15	d	348	"	30 06 00	Hengchun district

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Edicenter
349	Apr.	d. h. m. 30 15 41	d	384	May	d. h. m. 16 15 51	About district
350	"	30 16 15	About 18 km. ESE. of Ilan	385	"	17 17 31	About 26 km. NNW. of Tawu
351	May	1 09 42	Northern district	386	"	17 17 37	"
352	"	2 01 46	Taitung district	387	"	17 17 41	"
353	"	2 07 15	d	388	"	17 17 47	"
354	"	2 09 33	Near Alishon	389	"	17 18 29	"
355	"	3 07 17	About 65 km. SE. of Ilan	390	"	17 18 42	"
356	"	3 10 12	Northern district	391	"	17 18 43	"
357	"	4 02 15	d	392	"	17 18 59	"
358	"	4 02 23	Northern district	393	"	17 20 03	"
359	"	4 08 00	d	394	"	17 20 45	"
360	"	4 08 42	d	395	"	17 20 47	"
361	"	4 11 40	Hwalien district	396	"	17 21 39	"
362	"	4 14 23	Northern district	397	"	17 22 43	"
363	"	5 17 47	d	398	"	18 00 44	"
364	"	5 19 10	Near Alishan	399	"	18 00 58	"
365	"	6 14 03	Near Yushan	400	"	18 01 21	"
366	"	7 07 33	d	401	"	18 01 41	"
367	"	6 15 31	d	402	"	18 02 44	"
368	"	8 03 06	d	403	"	18 03 04	About 46 km. ENE. of Tainan
369	"	8 14 12	Near Yushan	404	"	18 03 07	"
370	"	8 18 01	Hengchun district	405	"	18 05 49	Hengchun district
371	"	8 19 29	Near Yushan	406	"	18 06 20	Near Alishan
372	"	8 22 37	"	407	"	18 09 15	Hengchun district
373	"	9 01 08	Northern district	408	"	18 10 42	Taitung district
374	"	9 01 57	Hengchun district	409	"	18 12 10	d
375	"	9 15 17	About 62 km. ENE. of Hwalien	410	"	18 16 54	About 39 km. ESE. of Tawu
376	"	11 16 44	Taitung district	411	"	18 22 52	d
377	"	11 21 26	Tainan district	412	"	19 01 55	About 39 km. ESE. of Tawu
378	"	12 08 12	d	413	"	19 03 52	Near Hengchun
379	"	12 10 40	d	414	"	19 05 59	Taitung district
380	"	14 16 02	Near Hwalien	415	"	19 06 11	d
381	"	15 11 54	Near Tawu	416	"	19 11 16	Near Hwalien
382	"	16 00 06	d	417	"	19 12 58	About 24 km. SE of Hengchun
383	"	16 11 39	d	418	"	19 13 07	d

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
419	May	d. h. m. 19 22 34	Northern district	454	May	d. h. m. 26 05 48	Taichung district
420	"	19 22 39	Taitung district	455	"	28 19 51	Taitung district
421	"	20 00 44	d	456	"	28 19 57	"
422	"	20 02 22	Taitung district	457	"	30 08 13	"
423	"	20 02 30	"	458	"	30 09 14	Hwalien district
424	"	20 14 14	d	459	Jun.	1 04 38	d
425	"	20 05 22	Northern district	460	"	2 01 24	Hwalien district
426	"	20 05 27	About 18 km. ENE. of Hsinkong	461	"	2 07 54	"
427	"	20 23 48	About 32 km. ESE. of Tawu	462	"	2 14 56	d
428	"	21 03 54	Taitung district	463	"	2 16 01	About 66 km. ENE. of Ilan
429	"	21 06 05	"	464	"	2 20 25	Hengchun district
430	"	21 12 54	Hengchun district	465	"	3 00 47	d
431	"	21 17 32	Near Tawu	466	"	4 00 49	About 72 km. ENE. of Ilan
432	"	22 00 24	d	467	"	4 11 05	Taitung district
433	"	22 03 09	d	468	"	4 15 00	Northern district
434	"	22 10 42	d	469	"	4 15 23	d
435	"	22 11 31	Taichung district	470	"	5 02 41	Taitung district
436	"	22 11 34	"	471	"	5 06 23	"
437	"	22 15 14	"	472	"	5 11 22	Hwalien district
438	"	22 14 21	d	473	"	5 11 22	"
439	"	22 16 57	d	474	"	5 11 24	"
440	"	23 04 45	Taichung district	475	"	5 13 48	d
441	"	23 05 16	Taitung district	476	"	5 21 02	About 50 km. NNE. of Hwalien
442	"	23 10 28	Hengchun district	477	"	6 01 53	Hwalien district
443	"	23 12 30	Near Hwalien	478	"	6 05 58	Taitung district
444	"	23 16 14	Northern district	479	"	6 08 54	"
445	"	23 23 54	d	480	"	6 15 34	d
446	"	24 01 19	About 58 km. E. of Ilan	481	"	7 12 26	Taitung district
447	"	24 03 12	Hengchun district	482	"	8 07 44	Hengchun district
448	"	24 03 40	Taitung district	483	"	8 09 43	Taitung district
449	"	24 19 58	"	484	"	8 11 14	Near Taitung
450	"	24 23 23	d	485	"	10 15 21	d
451	"	25 16 10	Hengchun district	486	"	10 18 14	Near Hwalien
452	"	25 18 45	d	487	"	11 02 46	d
453	"	26 01 00	Taitung district	488	"	11 03 39	d

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
489	Jun.	d. h. m. 11 12 06	d	524	Jun.	d. h. m. 23 18 37	Near Lanyu
490	"	11 15 16	Near Hwalien	525	"	24 07 49	d
491	"	12 00 32	d	526	"	24 23 09	d
492	"	12 04 21	Hwalien district	527	"	25 01 09	Taitung district
493	"	12 05 40	d	528	"	26 07 20	"
494	"	13 02 31	d	529	"	26 20 39	Hwalien district
495	"	13 07 11	d	530	"	27 11 46	About 30 km. SSE. of Hwalien
496	"	13 15 24	Taitung district	531	"	27 11 47	"
497	"	13 17 29	About 103 km. SW. of Hengchun	532	"	27 12 00	"
498	"	13 20 51	Hwalien district	533	"	27 12 01	"
499	"	14 05 23	"	534	"	27 12 24	"
500	"	14 05 59	Taitung district	535	"	27 12 28	"
501	"	14 08 30	Hwalien district	536	"	27 12 30	"
502	"	14 12 03	Near Hwalien	537	"	27 12 39	"
503	"	14 13 15	Near Alishan	538	"	27 12 44	"
504	"	15 05 28	Taitung district	539	"	27 12 55	"
505	"	15 23 21	d	540	"	27 13 14	"
506	"	16 05 02	Taitung district	541	"	27 13 29	Taitung district
507	"	16 12 49	Hwalien district	542	"	27 15 05	Hwalien district
508	"	16 14 05	Near Taipei	543	"	27 14 14	"
509	"	16 20 04	Near Lanyu	544	"	27 14 36	"
510	"	17 10 46	Taitung district	545	"	27 14 54	"
511	"	17 16 43	About 32 km. S. of Yushan	546	"	27 15 01	Near Hwalien
512	"	17 20 26	d	547	"	27 15 14	About 42 km. S. of Hwalien
513	"	18 06 53	Hwalien district	548	"	27 15 31	"
514	"	18 14 21	Hwalien district	549	"	27 16 58	"
515	"	19 06 57	d	550	"	27 17 56	"
516	"	20 01 28	About 110 km. E. of Hsinkong	551	"	27 19 23	"
517	"	20 02 08	d	552	"	27 21 01	"
518	"	21 00 31	d	553	"	27 21 01	"
519	"	21 02 06	About 23 km. S. of Ilon	554	"	27 21 04	"
520	"	22 23 50	d	555	"	27 22 55	"
521	"	23 11 20	d	556	"	28 02 12	Taitung district
522	"	23 18 03	Near Ilan	557	"	28 02 41	Hwalien district
523	"	23 18 30	Hwalien district	558	"	28 03 03	"

No.	Month	P. (G. M. T.)	Epicenter			No.	Month	P. (G. M. T.)	Epicenter		
559	Jun.	d. h. m. 28 03 04	"			576	Jun.	d. h. m. 28 18 38	About 32 km. SE. of Hwalien		
560	"	28 03 41	d			577	"	28 20 23	"		
561	"	28 06 12	Hwalien district			578	"	28 20 52	"		
562	"	28 07 03	"			579	"	28 23 15	"		
563	"	28 07 04	"			580	"	29 00 00	"		
564	"	28 11 36	Taichung district			581	"	29 02 16	d		
565	"	28 12 35	Near Hwalien			582	"	29 06 00	Taichung district		
566	"	28 14 35	Near Tawu			583	"	29 10 48	Hwalien district		
567	"	28 15 53	About 30 km. SSW. of Hwalien			584	"	29 11 36	"		
568	"	28 16 04	"			585	"	29 13 40	"		
569	"	28 16 08	"			586	"	30 02 58	d		
570	"	28 16 08	"			587	"	30 03 06	Hwalien district		
571	"	28 16 35	"			588	"	30 04 54	"		
572	"	28 16 58	"			589	"	30 07 43	Taitung district		
573	"	28 17 30	"			590	"	30 08 42	d		
574	"	28 17 30	"			591	"	31 02 19	d		
575	"	28 17 42	About 22 km. SSW. of Hwalien			592	"	31 11 28	d		

Major Earthquakes Occurred in April, 1965.

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	2	ep	b. m. s. 13 07 20.0	"	"	"	"	"	"	s	s	s	m s	1 54.0 O	(d)
	Taitung		ep	09 43.0	—	—	—	—	—	—	—	—	—	—	—	O
	Hsinkong		ep	09 23.6	—	—	—	—	—	—	—	—	—	—	—	O
2	Taipei	6	ep	09 47 17.4	—	—	—	—	—	—	—	—	—	5 00.0 O	U. S. C. G. S.	
	Tawu		ep	47 28.5	—	—	—	—	—	—	—	—	—	4 02.3 O	0.5 S 119.9 E	
	Yushan		ep	47 30.0	—	—	—	—	—	—	—	—	—	—	—	O Northern
	Hwalien		p	47 33.4	—	—	—	—	—	—	—	—	—	4 30.4 O	Celebes	
	Taitung		ep	47 36.3	—	—	—	—	—	—	—	—	—	4 11.9 O		
	Tainan		ep	47 46.8	—	—	—	—	—	—	—	—	—	—	—	O
	Hengchun		ep	47 46.9	—	—	—	—	—	—	—	—	—	—	—	O
	Ilan		ep	48 00.5	—	—	—	—	—	—	—	—	—	4 14.0 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				
3	Ilon	15	ip	05 10 17.3	h. m. s.	"	"	13.5	20.0	+ 67.0	250	149	80	1.4	1.9	1.5	19.2 I
	Taipei		p	10 18.5	—	—	—	—	—	—	146	141	—	1.0	1.4	—	19.6 O
	Anpu		ip	10 18.5	—	—	—	—	—	—	—	—	—	—	—	—	22.5 O
	Hwalien		ip	10 21.7	—	6.1	—	2.5	+ 42.1	258	185	120	1.7	1.5	1.7	22.0 II	
	Hsinkong		ep	10 28.6	—	—	—	—	—	—	—	—	—	—	—	—	30.6 O
	Taichung		p	10 28.7	—	—	—	—	—	—	—	—	—	—	—	—	26.6 O (H=10)
	Yushan		ep	10 30.1	—	—	—	—	—	—	—	—	—	—	—	—	28.1 O
	Alishan		ip	10 31.9	—	21	+	3	—	15	310	350	—	2.0	2.3	—	30.0 I
	Taitung		ip	10 34.4	—	—	—	—	—	—	—	—	—	—	—	—	36.5 O
	Tawu		ep	10 39.3	—	—	—	—	—	—	—	—	—	—	—	—	42.0 O
	Tainan		ep	10 43.8	—	—	—	—	—	—	—	—	—	—	—	—	29.5 O
	Hengchun		ep	10 49.5	—	—	—	—	—	—	—	—	—	—	—	—	44.0 O
	Kaohsiung		ep	10 56.0	—	—	—	—	—	—	—	—	—	—	—	—	23.7 O
4	Cnpu	19	ip	23 46 02.0	—	—	—	—	—	—	—	—	—	—	—	—	O U. S. C. G. S.
	Tawu		ep	46 23.3	—	—	—	—	—	—	—	—	—	—	—	—	34.9 N 138.0 E
	Taitung		ep	46 26.0	—	—	—	—	—	—	—	—	—	—	6 2.5	O Near S. coast of Honshu	
	Hengchun		ep	46 31.5	—	—	—	—	—	—	—	—	—	—	—	—	O Japan
5	Taitung	24	ep	08 03 11.6	—	—	—	—	—	—	—	—	—	—	—	4 54.4 O	U. S. C. G. S.
	Henechun		ep	08 03 12.6	—	—	—	—	—	—	—	—	—	—	—	—	28.0 O 19.2N 121.2E
	Tawu		p	03 15.9	—	—	—	—	—	—	—	—	—	—	—	—	33.8 O Philippine Islands
	Hsinkong		ep	03 25.5	—	—	—	—	—	—	—	—	—	—	—	—	O Region
	Kaohsiung		ep	03 30.0	—	—	—	—	—	—	—	—	—	—	—	—	O
	Tainan		ep	03 32.0	—	—	—	—	—	—	—	—	—	—	—	—	O
	Alishan		ep	03 34.4	—	—	—	—	—	—	—	—	—	—	—	—	46.0 O
	Hwalien		p	03 42.1	—	—	—	—	—	—	—	—	—	—	—	—	24.4 O
	Ilan		ep	03 54.4	—	—	—	—	—	—	—	—	—	—	—	—	1 00.0 O
	Anpu		ip	03 55.0	—	—	—	—	—	—	—	—	—	—	—	—	1 28.0 O
	Taipei		ep	04 16.4	—	—	—	—	—	—	—	—	—	—	—	—	34.0 O
6	Taitung	24	ep	22 00 13.4	—	—	—	—	—	—	—	—	—	—	—	—	4 1.4 O U. S. C. G. S.
	Anpu		ip	00 21.2	—	—	—	—	—	—	—	—	—	—	—	—	31.2 O 11.4N 140.1E
	Hwalien		ep	00 24.4	—	—	—	—	—	—	—	—	—	—	—	—	O West Caroline Islands

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				
7	Anpu	25	ip	h. m. s. 01 04 41.0	μ	μ	μ	μ	μ	μ	μ	s	s	s m	49.0	O	U.S.C.G.S.
	Hwalien		p	04 43.4	—	—	—	—	—	—	—	—	—	—	41.3	O	24.5N 142.7E
	Taitung		ep	04 46.1	—	—	—	—	—	—	—	—	—	3	56.7	O	Volcand
	Ilan		ep	04 48.1	—	—	—	—	—	—	—	—	—	—	24.1	O	Islands
	Tawu		ep	04 49.5	—	—	—	—	—	—	—	—	—	—	—	O	Region
	Hengchun		ep	04 53.8	—	—	—	—	—	—	—	—	—	—	—	O	
8	Taitug	26	ep	09 52 30.0	—	—	—	—	—	—	—	—	—	5	2.0	O	U.S.C.G.S.
	Anpu		ip	53 12.5	—	—	—	—	—	—	—	—	—	—	51.5	O	1.7S 126.6E
																Molucca Sea	
9	Taitung	26	p	22 15 57.6 + 12.8 - 11.4 + 0.9	643	325	165	1.1	1.1	1.1	22.2	I					
	Hengchun		ip	16 00.9 + 40.5 - 17.0 + 42.0	—	512	536	—	—	—	10.8	II	About 55km.				
	Tawu		ip	16 05.2 + 36 - 4 + 20	221	274	166	4.6	4.9	4.5	11.9	I	SSE. of				
	Kaohsiung		ep	16 10.0	—	—	—	—	—	—	—	—	—	—	17.5	I	Hengchun
	Tainon		ep	16 14.3	—	—	—	—	—	—	—	—	—	—	44.7	I	
	Penghu		ep	16 16.8	—	—	—	—	—	—	—	—	—	—	27.8	O	21.5 N
	Yushan		ep	16 22.8	—	—	—	—	—	—	—	—	—	—	23.6	O	
	Alishan		ep	16 23.0	—	—	—	—	—	—	—	—	—	—	26.4	I	120.9E
	Hwalien		p	16 33.9 - 2.1 - 8.1 + 5.3	223	141	95	2.6	2.2	3.7	34.1	O	(H=O)				
	Taichung		p	16 35.2	—	—	—	—	—	—	—	—	—	—	28.6	O	
	Ilan		p	16 44.6	—	—	—	142	96	85	2.8	2.0	1.8	45.4	I		
	Anpu		ip	16 45.0 + 14.3 + 4.0 + 14.3	—	—	—	—	—	—	—	—	—	—	35.0	O	
	Taipei		p	16 48.3	—	—	—	—	—	—	—	—	—	—	39.6	O	
	Hsinkong		ep	17 07.7	—	—	—	144	222	113	13.0	10.8	17.5	22.6	I		
10	Taipei	28	ep	12 08 38.7	—	—	—	—	—	—	—	—	—	1	11.5	O	U.S.C.G.S.
	Hwalien		p	09 17.0	—	—	—	—	—	—	—	—	—	—	31.4	O	24.7N 127.0E
																Ryukyu Is.	

Major Earthquakes Occurred in May, 1965.

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	Ilan	2	ep	h. m. s. 07 15 45.6	μ	μ	μ	μ	μ	μ	μ	s	s	s m	26.6	O	U.S.C.G.S.	
	Hwalien		p	15 52.1	—	—	—	—	—	—	—	—	—	—	1	50.6	O	28.9N 128.9E

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							
	Alishan		p	15 59.2	μ	μ	μ	μ	μ	μ	μ	s	s	s m	—	O	Ryukyu Islands			
	Taipei		ep	16 00.1	—	—	—	—	—	—	—	—	—	—	5	10.5	O			
	Taitung		ep	16 01.3	—	—	—	—	—	—	—	—	—	—	3	34.8	O			
	Taichung		ep	16 02.3	—	—	—	—	—	—	—	—	—	—	—	O				
	Tainan		ep	18 11.4	—	—	—	—	—	—	—	—	—	—	—	O				
	Kaohsiung		ep	18 23.0	—	—	—	—	—	—	—	—	—	—	—	O				
	Hengchun		ep	19 18.8	—	—	—	—	—	—	—	—	—	—	—	O				
2	Hwalien	6	p	15 31 13.2	—	—	—	—	—	—	—	—	—	—	—	O				
	Anpu		p	15 31 44.0	—	—	—	—	—	—	—	—	—	—	9	33.0	O	(d)		
3	Anpu	7	ep	07 33 14.0	—	—	—	—	—	—	—	—	—	—	—	1	55.0	O	U.S.C.G.S.	
	Taipei		ep	33 42.2	—	—	—	—	—	—	—	—	—	—	—	O	30.2N 129.0E			
	Hwalien		ep	33 44.1	—	—	—	—	—	—	—	—	—	—	—	O	East China Sea			
4	Hengchun	8	ep	03 06 45.5	—	—	—	—	—	—	—	—	—	—	—	O	U.S.C.G.S.			
	Taitung		ep	06 48.1	—	—	—	—	—	—	—	—	—	—	—	O	18.4N 120.4E			
	Hwalien		p	06 56.4	—	—	—	—	—	—	—	—	—	—	—	1	5.0	O	Luzon	
	Alishan		ep	06 59.8	—	—	—	—	—	—	—	—	—	—	—	49.2	O	Philippine Islands		
	Taipei		ep	07 27.5	—	—	—	—	—	—	—	—	—	—	—	O				
	Anpu		s	09 22.0	—	—	—	—	—	—	—	—	—	—	—	O				
5	Tawu	16	ep	11 39 48.2	—	—	—	—	—	—	—	—	—	—	—	O	U.S.C.G.S.			
	Hengchun		ep	39 52.4	—	—	—	—	—	—	—	—	—	—	—	O	5.3N 125.7E			
	Anpu		p	40 19.5	—	—	—	—	—	—	—	—	—	—	—	3	48.5	O	Mindanao	
	Taitung		ep	40 20.6	—	—	—	—	—	—	—	—	—	—	—	3	26.6	O	Philippine Islands	
6	Tawu	17	ip	17 19 40.7	-16	-462	-11	—	—	—	—	—	—	—	—	5.8	IV			
	Hsinkong		ep	19 46.1	—	—	—	82	78	94	2.2	2.6	3.0	3.5	IV	About 26km.				
	Taitung		ip	19 46.9	-127.6	-216.9	-127.6	12200	13000	6900	2.4	3.8	4.0	12.6	IV	NNW. of Tawu				
	Hengchun		ip	19 47.7	-1.3	-1.2	+5.0	23000	23500	16500	—	—	2.3	4.6	IV					
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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				
	Ywshan		p	20 00.5	μ	μ	μ	μ	μ	μ	s	s	s m	2.7	III	22.5 N	
	Taichung		ip	20 02.7	-50	+30	-143	-	-	-	-	-	-	-	22.4	III	
	Anpu		p	20 14.8	-	-	-	-	-	-	-	-	-	-	13.2	II	
	Taipei		ip	20 18.2	+25.2	-	+25	118	106	48	4.2	3.8	3.7	36.0	III		
	Ilan		ip	20 32.1	-4.5	+0.3	+2.5	4667	4417	1733	2.7	2.5	3.4	23.7	III		
	Hsinchu		ep	20 55.7	-	-	-	-	-	-	-	-	-	-	20.8	III	
	Peughu		p	20	-	-	-	-	-	-	-	-	-	-	-	III	
	Kaohsiung		ip	20	-	-	-	-	-	-	-	-	-	-	-	IV	
7	Taipei	20	ep	00 44 19.2	-	-	-	-	-	-	-	-	-	-	O	U. S. C. G. S.	
	Tawu		ep	50 09.1	-	-	-	-	-	-	-	-	-	-	O	14.7S 167.4E	
	Hengchun		ep	50 13.4	-	-	-	-	-	-	-	-	-	-	O	Hebrides	
	Taitung		ep	50 14.0	-	-	-	-	-	-	-	-	-	-	8	20.0 O Islands	
	Tainan		ep	50 14.3	-	-	-	-	-	-	-	-	-	-	O		
	Hwalien		ep	50 15.2	-	-	-	-	-	-	-	-	-	-	8	4.8 O	
	Anpu		p	50 18.3	-	-	-	-	-	-	-	-	-	-	8	26.7 O	
	Ilan		ep	50 24.6	-	-	-	-	-	-	-	-	-	-	O		
8	Hengchun	22	ep	03 09 37.0	-	-	-	-	-	-	-	-	-	-	O	U. S. C. G. S.	
	Taitung		ep	10 36.1	-	-	-	-	-	-	-	-	-	-	O	13N 126.3E	
	Anpu		p	11 10.0	-	-	-	-	-	-	-	-	-	-	5	4.0 O Molucca Passage	
9	Taitung	22	ep	10 42 14.7	-	-	-	-	-	-	-	-	-	-	O	U. S. C. G. S.	
	Anpu		p	42 22.0	-	-	-	-	-	-	-	-	-	-	8	49.0 O 21.1S 178.7W Figii Islands Region	
10	Tawu	24	ep	23 23 31.8	-	-	-	-	-	-	-	-	-	-	O	U. S. C. G. S.	
	Hengchun		ep	23 40.0	-	-	-	-	-	-	-	-	-	-	O	13.0N 124.5E	
	Taitung		ep	23 41.3	-	-	-	-	-	-	-	-	-	-	3	5.1 O Samar	
	Hwalien		ep	23 53.5	-	-	-	-	-	-	-	-	-	-	42.9 O	Philippine Islands	
	Taipei		ep	24 07.5	-	-	-	-	-	-	-	-	-	-	O	Islands	
	Anpu		ip	24 08.8	-	-	-	-	-	-	-	-	-	-	2	19.2 O	
	Ilan		ep	25 34.0	-	-	-	-	-	-	-	-	-	-	18.8 O		

Major Earthquakes Occurred in June, 1965.

No.	Station	Date	Phase	P.		Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remark	
				(G.M.T.)		N	E	Z	N	E	Z	N	E	Z				
1	Yushan	6	ep	h. 11	m. 20	s. 30.8	μ	μ	μ	μ	μ	μ	μ	μ	s	s m.	15.5 O	Abotu 66km
	Taitung		ip	21	23.2	+31.2	-50.0	-76.2	4050	—	2500	1.3	—	1.1	3.4	II	E.of Taitung	
	Ilan		p	21	25.7	—	—	—	—	—	—	—	—	—	—	25.7 O	121.8 E	
	Tawu		p	21	28.6	—	—	—	—	—	—	—	—	—	—	8.7 O	22.8 N	
	Alishan		ep	21	34.9	—	—	—	—	—	—	—	—	—	—	12.4 O	(H=20)	
	Hsinkong		ip	21	39.3	-8.0	+13	+11	—	—	—	—	—	—	—	7.1 II	—	
	Hengchun		ep	21	40.7	—	—	—	—	—	—	—	—	—	—	15.2 O	—	
	Kaohsiung		ep	21	42.2	—	—	—	—	—	—	—	—	—	—	16.3 O	—	
	Taichung		ep	21	43.5	—	—	—	—	—	—	—	—	—	—	12.1 O	—	
	Hwalien		p	21	47.4	—	—	—	145	112	60	3.2	3.2	3.3	—	15.4 I	—	
	Anpu		ip	21	54.7	—	—	—	—	—	—	—	—	—	—	15.3 O	—	
	Taipei		ep	21	59.1	—	—	—	—	—	—	—	—	—	—	33.6 O	—	
	Lanyu		p	21	22.0	—	—	—	—	—	—	—	—	—	—	9.3 I	—	
2	Anpu	11	ip	03	39	47.0	—	—	—	—	—	—	—	—	—	5	38.0 O U.S.C.G. S	
	Taitung		ep	40	00.0	—	—	—	—	—	—	—	—	—	—	5	21.6 O 44.7N 148.7E	
	Alishan		ep	40	07.2	—	—	—	—	—	—	—	—	—	—	O	Kurile	
	Tawu		ep	40	08.4	—	—	—	—	—	—	—	—	—	—	O	Islands	
	Hwahlen		ep	40	16.5	—	—	—	—	—	—	—	—	—	—	4	47.8 O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
Hengchun	ep	40 19.9			μ	μ	μ	μ	μ	μ	s	s	s	m	O	
Ilean	ep	40 30.0			—	—	—	—	—	—	—	—	—	—	O	
Tainan	ep	40 31.2			—	—	—	—	—	—	—	—	—	—	O	
Taichung	ep	40 35.0			—	—	—	—	—	—	—	—	—	—	O	
Kaohsiung	ep	40 50.0			—	—	—	—	—	—	—	—	—	—	O	
3 Ilan	11 p	13 20 08.0			—	—	—	154	126	60	1.9	1.8	1.6	13.4 I	Ryukyu	
Anpu	ip	20 09.0			—	—	—	—	—	—	—	—	—	—	14.0 O	
Taipei	p	20 09.4			—	—	—	—	—	—	—	—	—	—	16.6 O	Islands
Hwalien	p	20 1.60			—	—	—	146	95	50	0.8	0.8	1.2	17.8 I		
Taichung	ep	20 19.3			—	—	—	—	—	—	—	—	—	—	23.2 O	122.9 E
Hsinkong	ep	20 20.5			—	—	—	—	—	—	—	—	—	—	28.1 O	24.4 N
Yushan	ep	20 23.2			—	—	—	—	—	—	—	—	—	—	22.9 O	
Alishan	p	20 23.5			—	—	—	—	—	—	—	—	—	—	26.6 O	
Taitung	ep	20 25.7			—	—	—	—	—	—	—	—	—	—	29.8 O	(H : 50)
Tawu	ep	20 30.5			—	—	—	—	—	—	—	—	—	—	32.2 O	
Hengchun	ep	20 38.1			—	—	—	—	—	—	—	—	—	—	30.0 O	
Lanyu	p	20 00.0			—	—	—	—	—	—	—	—	—	—	30.5 O	
4 Anpu	13 ip	07 11 33.2	-3.0	-2.0	+5.3	—	—	—	—	—	—	-4	21.8 O	U. S. C. G. S.		
Taipei	p	11 35.1	—	—	—	—	—	—	—	—	—	-4	13.0 O	41.9N 143.4E		
Taitung	ep	11 45.0	—	—	—	—	—	—	—	—	—	-5	28.4 O	Hokkaido		
Tawu	p	11 52.8	—	—	—	—	—	—	—	—	—	—	—	—	O JapanReei0n	
5 Kaohsiung	17 ep	10 43 40.0	—	—	—	—	—	—	—	—	—	—	—	—	O	
Hwalien	p	43 56.8	—	—	—	174	135	36	2.0	1.8	2.3	19.3 O	195 km. of			
Alishan	ep	44 06.0	—	—	—	—	—	—	—	—	—	—	—	—	35.0 O	E SE.
Ilan	p	44 06.8	—	—	—	173	163	—	2.5	2.0	—	19.6 I	Ilan			
Yushan	p	44 09.0	—	—	—	—	—	—	—	—	—	—	—	—	28.8 O	123.6 E
Anpu	ip	44 09.2	—	—	—	—	—	—	—	—	—	—	—	—	22.8 O	24.4 N
Taipei	p	44 09.4	—	—	—	—	—	—	—	—	—	—	—	—	29.5 O	(H : 60)
Taitung	ep	44 13.5	—	—	—	—	—	—	—	—	—	—	—	—	O	
Taichung	ep	44 14.4	—	—	—	—	—	—	—	—	—	—	—	—	31.1 O	
Tawu	p	44 17.8	—	—	—	—	—	—	—	—	—	—	—	—	28.7 O	
Hengchun	ep	44 27.6	—	—	—	—	—	—	—	—	—	—	—	—	31.5 O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
Lanyu	ep	44 05.7			μ	μ	μ	μ	μ	μ	s	s	s	m	2.65 O	
6 Tawu	22 p	23 50 54.4			—	—	—	—	—	—	—	—	—	—	O	U. S. C. G. S.
Hengchun	ep	51 45.5			—	—	—	—	—	—	—	—	—	—	O	7.1 N 123.5 E
Taitung	ep	51 52.0			—	—	—	—	—	—	—	—	—	—	4	6.9 O Mindanao
Alishan	p	52 00.0			—	—	—	—	—	—	—	—	—	—	O	Philippine
Hwalien	ep	52 11.1			—	—	—	—	—	—	—	—	—	—	O	Islands
Anpu	p	52 15.9	+4.0	-1.9	+5.3	—	—	—	—	—	—	—	—	—	3	19.3 O
Taichung	p	52 39.8	—	—	—	—	—	—	—	—	—	—	—	—	O	
7 Taitung	24 ep	07 49			—	—	—	—	—	—	—	—	—	—	O	
Ilan	p	07 49 37.5	—	—	—	—	—	—	—	—	—	—	—	—	O	(d)
Anpu	p	07 49 50.2	+2.0	-0.7	+0.2	—	—	—	—	—	—	—	—	—	3	4.6 O
8 Hengchun	24 ep	23 09 10.6	—	—	—	—	—	—	—	—	—	—	—	—	1	08.0 O U. S. C. G. S.
Tawu	p	09 11.4	—	—	—	—	—	—	—	—	—	—	—	—	O	20.1N 120.8E
Taitung	ep	09 19.0	—	—	—	—	—	—	—	—	—	—	—	—	5	32.0 O Philppine
Tainan	ep	09 31.1	—	—	—	—	—	—	—	—	—	—	—	—	O	Islands
Kaohsiung	ep	09 40.0	—	—	—	—	—	—	—	—	—	—	—	—	O	Region
Alishan	ep	09 40.0	—	—	—	—	—	—	—	—	—	—	—	—	O	
Hwalien	p	09 48.4	—	—	—	—	—	—	—	—	—	—	—	—	O	
Anpu	ip	09 54.8	—	—	—	—	—	—	—	—	—	—	—	—	2	16.2 O
Taichung	ep	09 56.2	—	—	—	—	—	—	—	—	—	—	—	—	O	
Taipei	p	10 04.4	—	—	—	—	—	—	—	—	—	—	—	—	3	22.0 O
Ilan	ep	10 54.0	—	—	—	—	—	—	—	—	—	—	—	—	2	28.0 O
9 Hwalien	27 ip	11 36 18.9	+54.0	+185	+500	6800	8300	4600	1.8	1.8	2.2	5.1 IV				
Hsinhong	ip	36 25.6	+10	+40	+3	1900	2400	1070	2.3	2.3	2.3	10.3 III	About 30km.			
Yushan	ip	36 24.7	+165	+163	—	—	—	—	—	—	—	—	—	—	8.6 I SSE. of	
Taihung	ip	36 25.8	-60	+145	+185	2200	3400	2500	—	—	—	12.3 II	Hwaliue			
Alishan	ip	36 28.3	—	—	—	4870	4350	3370	2.3	2.9	2.6	8.1 II	121.7 E			
Ilan	ip	36 32.8	+27	+7	—	563	593	—	1.8	1.9	—	10.0 II	23.7 N			
Tawu	ep	36 34.4	—	—	—	245	332	—	2.8	3.2	—	25.2 O	(H : 30)			
Anpu	ip	36 35.7	—	—	—	—	—	—	—	—	—	—	—	—	14.3 O	
Hsinchu	ep	36 36.5	—	—	—	1375	1200	—	1.2	1.3	—	18.9 II				

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					
Taipei		ip	36 37.1	— 15	—	— 9	—	490	570	257	— 1.4	— 1.4	— 2.7	— 16.6	II	nearby		
Taina		p	36 37.3	— 24	— 19	+ 78	—	—	584	740	—	— 0.2	— 0.2	—	31.0	I	nearby	
Lanyu		p	36 39.5	—	—	—	—	—	—	—	—	—	—	—	20.5	II	nearby	
Kaohsiung		p	36 39.8	—	—	—	—	—	—	—	—	—	—	—	16.2	II	nearby	
Hengchun		ep	36 44.5	—	—	—	—	625	325	324	—	—	—	—	25.8	O	nearby	
Penghu		p	36 51.1	—	—	—	—	—	—	—	—	—	—	—	26.1	O	nearby	
Taitung		ip	36 52.7	— 11.2	—	+ 0.7	937	—	6905	1.1	—	— 0.8	—	— 13.5	II	nearby		
10	Alishan	28	ep	00 06 51.0	—	—	—	—	—	—	—	—	—	—	—	9.0	I	About 24km.
	Lanyu		ep	07 01.6	—	—	—	—	—	—	—	—	—	—	—	18.2	O	WSW. of
	Hwalien		ip	07 38.6	+ 32.9	— 12.5	+ 42.1	—	—	460	—	—	— 1.8	—	6.4	II	Hwalien	
	Yushan		ip	07 44.0	+ 250	+ 50	—	—	—	—	—	—	—	—	—	7.4	I	121.4 E
	Hsinkong		ip	07 49.5	+ 2	+ 4	—	285	228	—	— 0.6	— 0.6	—	—	—	10.0	I	23.9 N
	Taitung		ep	07 50.2	—	—	—	2138	3133	—	— 1.2	— 1.4	—	—	—	15.5	O	(H=10)
	Taichung		ip	07 54.7	—	+ 120	+ 179	165	407	190	— 2.7	— 1.9	— 2.1	—	—	13.7	I	
	Ilan		p	07 57.0	—	—	—	105	113	78	— 2.0	— 1.8	— 1.6	—	—	12.0	I	
	Anpu		p	07 58.1	—	—	—	—	—	—	—	—	—	—	—	27.9	O	
	Hsinchu		ep	08 00.1	—	—	—	—	—	—	—	—	—	—	—	13.9	O	
	Tawu		ep	08 00.2	—	—	—	—	—	—	—	—	—	—	—	20.7	O	
	Taipei		p	08 01.8	—	—	—	—	—	—	—	—	—	—	—	15.1	O	
	Tainan		ep	08 04.2	—	—	—	—	—	—	—	—	—	—	—	15.8	O	
	Kanhsing		ep	08 10.2	—	—	—	—	—	—	—	—	—	—	—	16.0	O	
	Hengchun		ep	08 10.5	—	—	—	—	—	—	—	—	—	—	—	30.0	O	
11	Hsinchu	28	ep	15 44 16.0	—	—	—	—	—	—	—	—	—	—	—	2.15	O	About 30km.
	Alishan		ep	45 05.0	—	—	—	—	—	—	—	—	—	—	—	7.0	I	SSW. of
	Yushan		p	45 06.9	—	—	—	—	—	—	—	—	—	—	—	8.0	I	
	Taitung		p	45 12.0	—	—	—	2689	5738	1071	— 1.4	— 1.6	— 1.3	—	—	17.9	O	
	Ilan		p	45 17.0	—	—	—	272	279	200	— 1.9	— 1.9	— 1.8	—	—	13.6	I	
	Tawu		ep	45 17.5	—	—	—	—	—	—	—	—	—	—	—	24.1	O	(H=5)
	Tainan		p	45 19.8	—	—	—	—	—	—	—	—	—	—	—	19.3	O	
	Taipei		p	45 20.8	—	—	—	—	—	—	—	—	—	—	—	21.0	O	
	Anpu		p	45 21.8	—	—	—	—	—	—	—	—	—	—	—	8.2	O	
	Hengchun		ep	45 31.4	—	—	—	—	—	—	—	—	—	—	—	25.2	O	

地 震 季 報

第十二卷 第三號

中華民國五十四年七、八、九月

SEISMOLOGICAL BULLETIN

July to September 1965

VOL. 12 No. 3

臺灣省氣象局

PUBLISHED QUARTERLY BY

TAIWAN WEATHER BUREAU

64 KUNG YUAN ROAD, TAIPEI, TAIWAN, CHINA

General Aspect of Earthquakes

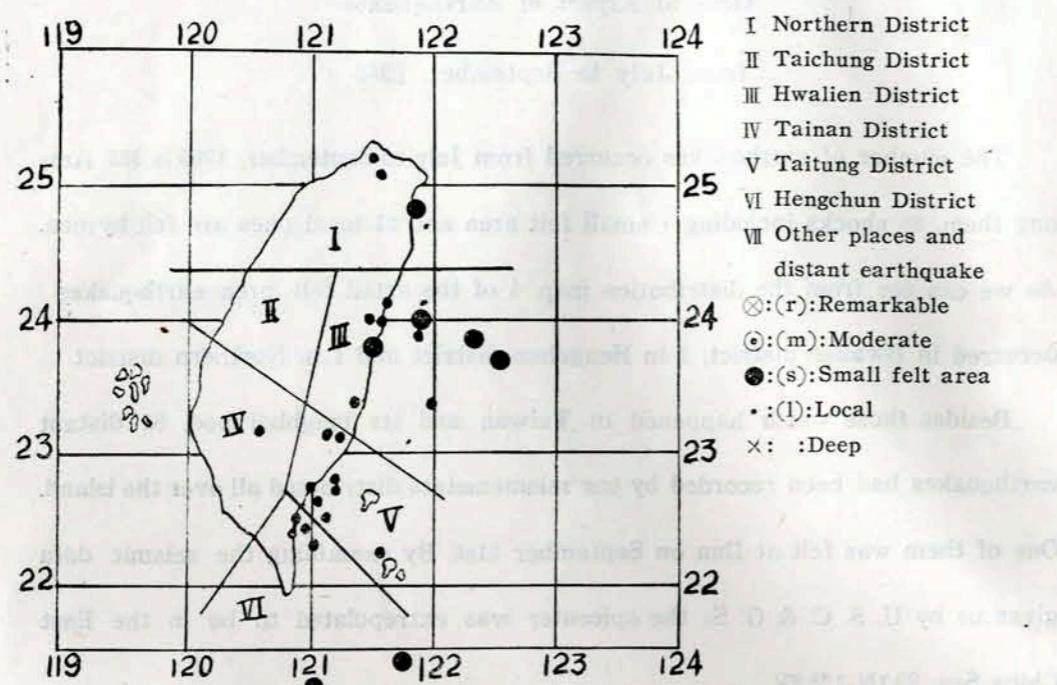
from July to September, 1965

The number of earthquakes occurred from July to September, 1965 is 225. Among them, 28 shocks including 7 small felt area and 21 local ones are felt by men. As we can see from the distribution map, 4 of the small felt area earthquakes occurred in Hwalien district, 2 in Hengchun district and 1 in Northern district.

Besides those which happened in Taiwan and its neighborhood, 81 distant earthquakes had been recorded by our seismometers distributed all over the island. One of them was felt at Ilan on September 21st. By examining the seismic data given us by U. S. C. & G. S., the epicenter was extrapolated to be in the East China Sea, 29.1N 128.2E.

The data of those major earthquakes had all been listed in the latter part of the bulletin.

Epicenters of Felt Earthquakes from July to September 1965



Number of earthquakes classified according to it's magnitude and districts July to September 1965

Districts	Classification Magnitudes	Number of felt earthquakes					Number of unfelt earthquakes	Total
		Remarkable	Moderate	Small felt area	Local	Total		
Northern District	—	—	—	1	2	3	28	31
Taichung	"	—	—	—	—	0	15	15
Hwalien	"	—	—	4	6	10	60	70
Tainan	"	—	—	—	1	1	7	8
Taitung	"	—	—	—	8	8	72	80
Hengchun	"	—	—	2	4	6	15	21
Total		0	0	?	21	28	197	225
Other places	.	1	—	—	—	1	80	81

Felt Earthquakes Occurred from July to September, 1965

No	Month	P. (G. M. T.)	Magni- tude	Epicenter	Latitude	Longitude	Depth
56	July	d. h. m. 2 11 42	(L)	Near Tawu			
57	"	7 14 24	"	About 40km. ESE. of Tainan			20
58	"	10 06 55	"	About 25km. E. of Hwalien			15
59	"	10 21 27	"	About 10km. SSE. of Taitung			20
60	"	11 07 18	"	Near Tawu			0
61	"	11 07 25	"	About 15km. NNE. of Tawu			0
62	"	11 07 28	"	About 15km. ESE. of Tawu			0
63	"	11 08 27	"	Near Tawu			
64	"	11 09 27	"	About 15km. E. of Tawu			0
65	"	24 08 39	"	Near Anpu			
66	"	24 08 42	(34)"				
67	"	25 03 43	(S)	About 20km. SSW. of Hwalien	23.8	121.5	25
68	"	27 16 18	(48)"	About 27km. ENE. of Hwalien	24.0	121.9	45
69	"	29 06 32	(L)	Near Hwalien			
70	"	30 05 00	"	Near Hwalien			
71	Aug.	13 11 57	(S)	About 100km. ESE. of Hwalien	122.5	23.7	55
72	"	20 22 08	"	About 85km. ESE. of Hwalien	122.4	23.9	40
73	"	23 07 10	(L)	About 15km. NNE. of Hwalien			
74	"	23 18 45	"	About 70km. ENE. of Hsinkong			10
75	"	29 22 39	"	Near Taitung			
76	Sep.	4 12 58	(56)"	About 20km. N. of Hsinkong			20
77	"	5 23 02	(S)	About 157km. SE. of Hengchun	20.9	121.6	60
78	"	6 03 18	(41)"	About 150km. SE. of Hengchun	21.1	121.8	20
79	"	10 10 35	(L)	About 15km. WSW. of Hsinkong			10
80	"	14 21 01	"	About 30km. NNE. of Tawu.			
81	"	16 19 29	(3832)"	Near Lanyu.			
82	"	21 01 49	"	East China Sea.	29.1	128.2	
83	"	26 17 10	(L)	About 15km. WSW. of Hsinkong			
84	"	27 00 11	(S)	About 20 km. ENE. of Ilan.	24.9	121.9	5

Unfelt Earthquakes Occurred from July to September, 1965

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
593	July	d. h. m. 1 02 17	Near Alishan.	627	July	d. h. m. 11 09 00	Near Tawu.
594	"	1 08 26	About 46km. S. of Hwalien.	628	"	12 02 21	Taitung district.
595	"	1 23 31	(d)	629	"	12 02 43	"
596	"	2 21 08	(d)	630	"	12 06 46	"
597	"	3 11 30	(d)	631	"	12 08 47	"
598	"	4 12 00	Taichung district.	632	"	12 23 01	Hwalien district.
599	"	4 16 56	Near Hwalien.	633	"	13 00 41	Near Alishan
600	"	6 02 27	Hwalien district.	634	"	13 02 09	Northern district.
601	"	6 03 31	(d)	635	"	13 02 20	Near Tawu.
602	"	6 04 37	Taitung district.	636	"	13 02 43	"
603	"	6 05 47	Near Hwalien.	637	"	13 23 01	Hwalien district.
604	"	6 09 28	About 38km. SE. of Tawu.	638	"	14 01 29	"
605	"	6 18 43	(d)	639	"	14 03 06	"
606	"	6 22 07	Taitung district.	640	"	14 09 39	Northern district.
607	"	6 23 48	"	641	"	14 11 19	Tainan district.
608	"	7 06 07	Northern district.	642	"	14 14 21	Near Hsinkong
609	"	7 14 46	About 38km. ENE. of Tainan.	643	"	15 18 36	(d)
610	"	7 19 15	Taitung district.	644	"	15 18 39	Hengchun district.
611	"	7 19 42	(d)	645	"	16 18 50	Near Hsinkong.
612	"	8 07 23	About 35km. NNW. of Hsinkong.	646	"	17 05 53	Near Alishan.
613	"	8 20 05	Hwalien district.	647	"	17 07 29	(d)
614	"	9 00 46	Taitung district.	648	"	17 12 56	(d)
615	"	9 00 53	(d)	649	"	18 05 38	(d)
616	"	9 9 24	(d)	650	"	18 22 20	Hengchun district.
617	"	9 19 02	Near Alishan.	651	"	18 22 25	(d)
618	"	10 04 42	(d)	652	"	18 23 21	Taitung district.
619	"	10 06 39	Near Hwalien.	653	"	19 06	(d)
620	"	10 06 40	"	654	"	19 13 09	Taitung district.
621	"	10 08 07	"	655	"	19 19 22	Near Alishan.
622	"	11 01 34	"	656	"	20 13 22	(d)
623	"	11 03 07	Hwalien district.	657	"	20 19 21	About 83km. ENE of Hsinkong
624	"	11 07 29	Near Tawu	658	"	21 03 03	(d)
625	"	11 07 31	"	659	"	21 14 01	Hwalien district.
626	"	11 08 28	"	660	"	21 18 00	(d)

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
661	July	d. h. m. 21 19 25	About 70km. NE of Hwalien.	696	Aug.	d. h. m. 1 05 27	Near HWalien
662	"	21 21 38	Taitung district.	697	"	1 06 18	Taitung district.
663	"	22 13 50	Near Hsinkong	698	"	1 15 08	(d)
664	"	22 15 35	"	699	"	1 20 14	(d)
665	"	22 15 38	About 75km. E. of Ilan	700	"	2 01 55	Hwalien district.
666	"	23 23 01	Taitung district.	701	"	2 06 18	Taitung district.
667	"	24 08 43	Near Anpu.	702	"	2 13 32	(d)
668	"	25 02 03	Taitung district.	703	"	3 06 34	(d)
669	"	25 03 53	About 20km. SSW. of Hwalien.	704	"	3 19 35	Near Hsinkong.
670	"	25 04 13	"	705	"	5 00 15	(d)
671	"	25 04 17	"	706	"	5 00 26	Hengchun district.
672	"	25 05 35	About 50km. ENE. of Tainan.	707	"	5 07 24	About 30km. SSE. of Ilan.
673	"	25 15 27	About 18km. WNW. of Hwalien.	708	"	6 16 02	About 20km. WSW. of Alishan.
674	"	26 11 15	Near Hwalien	709	"	6 16 52	Near Alishan.
675	"	26 14 43	Hwalien district.	710	"	6 20 22	Near Yushan.
676	"	26 23 04	(d)	711	"	6 22 00	"
677	"	27 00 40	(d)	712	"	7 09 21	"
678	"	27 09 53	Taitung district.	713	"	7 16 10	Hengchun dritct.
679	"	27 14 44	Near Hsinkong.	714	"	7 20 46	Near Lanyu.
680	"	28 00 51	Near Lanyu.	715	"	8 10 40	Near 15km. NNE. of Alishan.
681	"	28 02 41	"	716	"	8 17 26	About 50km. E. of Tainan.
682	"	28 22 36	(d)	717	"	9 14 30	Hwalien district.
683	"	29 01 39	Hwalien district.	718	"	10 02 51	About 110km. ENE. of Hwalien.
684	"	29 07 19	Taichung district.	719	"	10 21 39	Taichung district.
685	"	29 08 39	(d)	720	"	11 03 50	(d)
686	"	29 09 38	About 17km. ENE. of Hsinkong.	721	"	11 20 02	Hwalien district.
687	"	30 13 22	Northern district.	722	"	11 22	(d)
688	"	30 18 56	Taitung district.	723	"	11 22 41	(d)
689	"	30 20 50	(d)	724	"	11 23 55	Near Hsinkong.
690	"	31 07 41	(d)	725	"	12 08 11	(d)
691	"	31 15 16	Taitung district.	726	"	12 13 05	(d)
692	"	31 17 13	(d)	727	"	12 18 15	(d)
693	"	31 19 11	(d)	728	"	13 11 35	(d)
694	"	21 21 55	(d)	729	"	13 12 50	(d)
695	Aug.	1 01 46	Near Hwalien.	730	"	13 13 56	About 50km. ESE. of Ilan.

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
731	Aug.	d. h. m. 13 18 06	(d)	766	Aug.	d. h. m. 26 07 23	Near Hsinkong.
732	"	14 00 50		767	"	26 09 51	"
733	"	14 23 47	About 35km. ENE. of Hsinkong.	768	"	27 07 38	"
734	"	15 12 34	About 188km. ESE. of Hengchun.	769	"	27 15 45	Near Lanyu.
735	"	15 22 29		770	"	27 19 02	Northern district.
736	"	16 08 29		771	"	27 20 27	Near Lanyu.
737	"	16 12 15	Near Lanyu.	772	"	27 22 30	Near Hsinkong.
738	"	16 12 58	(d)	773	"	28 07 25	Near Taipei
739	"	17 05 45	Taitung district.	774	"	28 21 52	Near Hsinkong.
740	"	17 05 29	Near Hsinkong.	775	"	29 12 56	(d)
741	"	17 07 39	(d)	776	"	30 03 42	(d)
742	"	17 10 41	(d)	777	"	30 09 15	Near Hsinkong.
743	"	18 00 10	Near Ilan.	778	"	30 09 19	Taitung district.
744	"	18 19 56	About 50m. ENE. of Tainan.	779	"	30 18 43	Near Lanyu.
745	"	19 07 49	Near Hwalien.	780	"	30 23 05	Taitung district.
746	"	20 00 20	About 30km. E. of Hsinkong.	781	"	30 23 09	Near Hsinkong.
747	"	20 06 00	(d)	782	"	31 07 42	(d)
748	"	20 21 33	(d)	783	Sep.	1 06 48	(d)
749	"	21 00 10	About 85km. ESE. of Hwalien.	784	"	1 14 14	Northern district.
750	"	21 15 19	(d)	785	"	2 01 57	Near Hsinkong.
751	"	21 16 55	Taichung district.	786	"	2 04 35	(d)
752	"	22 17 37	Hwalien district.	787	"	2 13 37	Hwalien district.
753	"	22 23 25	Near Hsinkong.	788	"	2 19 40	(d)
754	"	23 14 04	About 74km. ENE. of Ilan.	789	"	4 07 35	Near Hwalien.
755	"	23 20 01	(d)	790	"	4 10 26	(d)
756	"	24 02 38	Near Lanyu.	791	"	4 14 43	(d)
757	"	23 18 42	(d)	792	"	4 16 03	Taitung district.
758	"	24 02 50	About 30km. ESE. of Hwalien.	793	"	4 17 22	Hwalien district.
759	"	24 03 27	Hwalien district.	794	"	5 13 19	Near Hsinkong.
760	"	24 10 35	Northern district.	795	"	5 23 06	Near Lanyu.
761	"	24 13 33	(d)	796	"	6 01 57	Taitung district.
762	"	24 22 43	Near Hwalien.	797	"	6 02 56	About 178km. SE. of Hengchun.
763	"	25 06 00	About 35km. NNE. of Hsinkong.	798	"	6 03 14	Hengchun district.
764	"	26 00 25	Hwalien district.	799	"	6 04 04	About 150km. SE. of Hengchun.
765	"	26 06 46	Near Hsinkong.	800	"	6 06 12	Hwalien district.

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
801	Sep.	d. h. m. 6 06 23	Near Lanyu.	836	Sep.	d. h. m. 17 06 57	About 42km. E. of Taipei.
802	"	6 07 58	Hwalien district.	837	"	17 13 07	(d)
803	"	6 20 10	Taitung district.	838	"	17 14 27	(d)
804	"	7 07 02	(d)	839	"	17 15 23	(d)
805	"	8 06 57	Northern district.	840	"	17 16 25	(d)
806	"	8 11 57	About 65km. ESE. of Ilan.	841	"	18 06 10	Taitung district.
807	"	8 12 50	Hwalien district.	842	"	18 07 17	Near Hsinkong.
808	"	9 04 49	(d)	843	"	18 22 07	(d)
809	"	9 10 43	(d)	844	"	18 22 27	Northern district.
810	"	9 12 28	About 27km. WNW. of Hsinkong.	845	"	18 22 34	"
811	"	10 10 48	Taitung district.	846	"	19 01 38	(d)
812	"	10 11 01	Near Hsinkong.	847	"	19 13 30	Hwalien district.
813	"	10 14 02	"	848	"	19 18 31	About 15km. E. of Ilan.
814	"	10 17 12	"	849	"	20 09 40	Taitung district.
815	"	10 20 39	Hwalien district.	850	"	20 10 01	(d)
816	"	10 21 48	Taitung district.	851	"	20 14 43	About 40km. ESE. of Tainan.
817	"	10 22 04	Near Alishan.	852	"	20 17 38	(d)
818	"	11 07 00	(d)	853	"	20 23 55	(d)
819	"	11 07 51	Taitung district.	854	"	21 01 40	(d)
820	"	11 14 29	About 35km. ENE. of Tawu.	855	"	21 23 45	Hwalien district.
821	"	11 17 23	About 184km. E. of Hsinkong.	856	"	22 00 40	"
822	"	12 03 59	Northern district.	857	"	22 00 46	"
823	"	12 08 48	(d)	858	"	22 04 29	(d)
824	"	12 22 12	(d)	859	"	22 04 35	Hengchun district.
825	"	13 09 05	Near Lanyu.	860	"	22 09 41	(d)
826	"	13 13 16	(d)	861	"	22 12 52	(d)
827	"	14 08 31	(d)	862	"	22 22 12	(d)
828	"	14 16 01	Hengchun district.	863	"	23 23 15	Near Anpu.
829	"	14 22 49	Northern district.	864	"	23 23 31	"
830	"	15 22 00	Near Taipei.	865	"	23 23 32	"
831	"	16 04 56	Near Hwalien.	866	"	24 02 51	Near Hsinkong.
832	"	14 04 56	Near Hwalien.	867	"	24 23 59	(d)
833	"	16 13 54	(d)	868	"	25 14 42	(d)
834	"	16 17 02	About 36km. ENE. of Hwalien.	869	"	25 16 57	(d)
835	"	16 19 16	Near Hsinkong.	870	"	25 21 51	Near Hsinkong.

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No.	Month	P. (G. M. T.)	Epicenter			No.	Month	P. (G. M. T.)	Epicenter		
871	Sep.	d. h. m. 26 21 53	Hwalien district.			874	Sep.	d. h. m. 28 07 53	About 44km. ESE. of Ilan. About 94km. SE. of Hwalien.		
872	"	27 03 13	Near Hwalien.			875	"	30 09 04			
873	"	28 05 18	(d)								

Major Earthquakes Oecurred in July, 1965

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks
					N	E	Z	N	E	Z	N	E	Z		
1	Taipei	21	ep	h. m. s. 08 29.4	μ	μ	μ	μ	μ	μ	7	16.5	O	U. S. C. G. S.	
	Ilan		ep	08 29.5	—	—	—	—	—	—	8	10.6	O	53.1N 167.7W	
	Aupu		ip	08 35.1	—	—	—	—	—	—	8	02.9	O	Fox Islands	
	Hwalien		p	08 47.1	—	—	—	—	—	—	7	59.4	O	Aleutian	
	Yushan		ep	08 47.0	—	—	—	—	—	—	8	15.7	O	Islands	
	Taichung		ep	08 49.1	—	—	—	—	—	—	8	09.2	O		
	Tawu		ep	08 51.6	—	—	—	—	—	—	8	12.1	O		
	Hengchun		p	09 07.3	—	—	—	—	—	—	8	04.4	O		
	Taitung		ep	09 09.0	—	—	—	—	—	—	7	07.0	O		
	Hsinkong		p	09 47.7	—	—	—	—	—	—	8	09.1	O		
	Kaohsiung		ep	10 00.0	—	—	—	—	—	—	—	—	O		
2	Taitung	3	ep	11 30 01.0	—	—	—	—	—	—	6	40.9	O	U. S. C. G. S.	
	Tawu		p	30 20.7	—	—	—	—	—	—	—	O	22.6N 101.4E		
	Anpu		ip	30 29.8	—	—	—	—	—	—	3	40.2	O	Burma-	
	Hengchun		ep	33 48.2	—	—	—	—	—	—	—	O	China		
	Taichung		ep	33 53.8	—	—	—	—	—	—	2	16.6	O	Border	
	Yushan		p	34 00.0	—	—	—	—	—	—	—	O		Region	
	Tainan		ep	34 40.5	—	—	—	—	—	—	—	O			
	Kaoshiung		ep	34 55.0	—	—	—	—	—	—	—	O			
	Alishan		ep	34 58.3	—	—	—	—	—	—	—	O			
	Ilan		p	36 05.6	—	—	—	—	—	—	1	00.2	O		
	Hwalien		ep	36 08.8	—	—	—	—	—	—	—	O			
	Taipei		p	36 09.2	—	—	—	—	—	—	—	O			
3	Ilan	6	ep	18 43 59.2	—	—	—	—	—	—	5	59.1	O	U. S. C. G. S.	
	Hengchun		ep	44 00.0	—	—	—	—	—	—	—	O	45.5S 155.1E		
	Hwalien		p	44 07.2	—	—	—	—	—	—	4	49.5	O	Soiomon	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks		
					N	E	Z	N	E	Z	N	E	Z				
	Anpu		ip	h. m. s. 44 10.8	—	μ	—	—	μ	—	—	μ	—	—	5 53.2	O Islands	
	Taipei		ep	44 11.9	—	—	—	—	—	—	—	—	—	—	5 53.3	O	
4	Ilan	15	ep	18 36 04.6	—	—	—	—	—	—	—	—	—	—	3 50.2	O U. S. C. G. S.	
	Hsinkong		p	36 41.0	—	—	—	—	—	—	—	—	—	—	—	7.7N 123.8E	
	Hengchun		ep	36 42.8	—	—	—	—	—	—	—	—	—	—	—	O Mindanao	
	Yushan		p	36 45.8	—	—	—	—	—	—	—	—	—	—	—	O Philippine	
	Alishan		ep	36 47.4	—	—	—	—	—	—	—	—	—	—	—	O Islands	
	Taichung		ep	36 55.2	—	—	—	—	—	—	—	—	—	—	2 43.9	O	
	Hwalien		p	36 55.6	—	—	—	—	—	—	—	—	—	—	2 41.1	O	
	Anpu		ip	37 03.0	—	—	—	—	—	—	—	—	—	—	2 45.5	O	
	Taipei		ep	37 04.8	—	—	—	—	—	—	—	—	—	—	—	O	
5	Tawu	20	ep	13 22 04.3	—	—	—	—	—	—	—	—	—	—	—	O U. S. C. G. S.	
	Taitung		ep	22 07.3	—	—	—	—	—	—	—	—	—	—	1 57.5	O Mindanao	
	Anpu	25 JULY	ip	22 33.7	—	—	—	—	—	—	—	—	—	—	3 19.3	O Islands	
	Ilan	25	ip	03 43 39.6	C	9.6 +	3.1 +	18.4	1100	1700	1000	2.2	2.6	2.6	5.8	III About 20km	
	YUS		ep	43 42.6	—	—	—	—	—	—	—	—	—	—	8.4	I SSW. of	
	HSI		ip	43 45.5	C	5.0 +	7.5 +	7.7	141	111	83	0.1	0.1	0.1	10.2	I Hwalien	
	ALS		ep	43 47.8	—	—	—	—	—	—	—	—	—	—	11.0	I 121.5E 23.8N	
	TCU		ip	43 49.1	D	12 +	25 —	13	188	318	205	3.1	4.1	2.5	10.1	I (H = 25)	
	TTA	Taitung		43 49.1	—	—	—	—	—	—	—	—	—	—	18.0	O	
	ILA	Ilan		43 52.5	C	13 +	9 +	10	316	208	208	2.0	2.0	1.8	13.5	II	
	HSN	Hsinchu		43 56.0	—	—	—	—	—	—	—	—	—	—	15.6	O	
	ANP	Anpu		43 56.2	—	—	—	—	—	—	—	—	—	—	28.8	O	
	TAP	Taipei		43 58.0	—	—	—	—	145	100	80	1.0	1.0	1.2	13.2	I	
	LAY	Lanyu		43 59.7	—	—	—	—	—	—	—	—	—	—	—	O	
	TAW	Tawu		43 59.8	—	—	—	—	—	—	—	—	—	—	22.3	O	
	TAI	Tainan		44 01.3	—	—	—	—	—	—	—	—	—	—	18.2	O	
	HEN	Hengchun		44 09.9	—	—	—	—	—	—	—	—	—	—	25.6	O	
	KAV	Kaoshiung		44 20.0	—	—	—	—	—	—	—	—	—	—	—	O	
	HWA	Ilan	27	ip	16 17 07.1	D	5.5 —	7.4 —	128.0	510	500	145	1.0	1.1	1.6	6.3	II About 27km.
	TIN	Taitung		17 55.7	—	—	—	—	—	—	—	—	—	—	22.0	O ENE. of	
	YUS	Yushan		18 01.0	—	—	—	—	—	—	—	—	—	—	12.0	I Hwalien	

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Major Earthquakes Occurred in August, 1965

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks
					N	E	Z	N	E	Z	N	E	Z		
	Ilan		ep	h. m. s. 32 48.0	μ	μ	μ	μ	μ	μ	s	s	s	m s	O
	Hwalien		ep	33 03.2	—	—	—	—	—	—	—	—	—	—	O
2	Tawu	5	p	00 15 27.7	—	—	—	—	—	—	—	—	—	—	O (d)
	Alishan		ep	15 41.0	—	—	—	—	—	—	—	—	—	—	O
	Taitung		p	22 00.0	—	—	—	—	—	—	—	—	—	—	O
3	Tawu	11	ep	03 50 55.4	—	—	—	—	—	—	—	—	—	—	O U.S.C.G.S.
	Hengchun		ep	51 00.0	—	—	—	—	—	—	—	—	—	—	O 15.4S 166.9E
	Yushan		p	51 01.0	—	—	—	—	—	—	—	—	—	—	O New
	Hwalien		p	51 01.8	—	—	—	—	—	—	—	—	—	8	10.8 O Hberides
	Taipei		ep	51 06.6	—	—	—	—	—	—	—	—	—	—	8 11.4 O Islands
	Ilan		ep	51 16.7	—	—	—	—	—	—	—	—	—	—	8 17.4 O
	Taichung		ep	51 18.0	—	—	—	—	—	—	—	—	—	—	O
	Taitung		ep	50 59.9	—	—	—	—	—	—	—	—	—	8 00.1	O
4	Hengchun	11	ep	22 41 46.0	—	—	—	—	—	—	—	—	—	—	O U.S.C.G.S.
	Hsinkong		ep	41 47.5	—	—	—	—	—	—	—	—	—	8	8.9 O 15.8S 16.7E
	Tawu		ep	41 50.8	—	—	—	—	—	—	—	—	—	—	O New
	Taitung		ep	41 52.8	—	—	—	—	—	—	—	—	—	5	20.3 O Hebrides
	Yushan		p	41 52.8	—	—	—	—	—	—	—	—	—	—	O Islands
	Hwalien		p	41 53.7	—	—	—	—	—	—	—	—	—	8	12.5 O
	Ilan		ep	41 57.5	—	—	—	—	—	—	—	—	—	6	22.5 O
	Taipei		ep	42 00.0	—	—	—	—	—	—	—	—	—	8	12.0 O
	Taichung		ep	42 03.2	—	—	—	—	—	—	—	—	—	8	6.5 O
	Alishan		ep	42 04.2	—	—	—	—	—	—	—	—	—	8	19.7 O
5	Taitung	12	ep	08 11 50.3	—	—	—	—	—	—	—	—	—	8	9.7 O U.S.C.G.S.
	Hwalien		p	11 53.0	—	—	—	—	—	—	—	—	—	8	12.1 O New
	Taipei		ep	12 06.0	—	—	—	—	—	—	—	—	—	8	8.0 O Hebrides Islands
6	Hengchun	12	ep	13 05 00.8	—	—	—	—	—	—	—	—	—	—	O U.S.C.G.S.
	Taitung		ep	05 02.2	—	—	—	—	—	—	—	—	—	6	15.0 O 5.3S 152.2E
	Tawu		ep	05 02.2	—	—	—	—	—	—	—	—	—	—	O New
	Anpu		ip	05 03.0	—	—	—	—	—	—	—	—	—	9	49.5 O Britain
	Taipei		ep	05 03.8	—	—	—	—	—	—	—	—	—	6	34.0 O Region

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
	Hwalien	p	h. m. s. 05 06.9		μ	μ	μ	μ	μ	μ	μ	s	s	s	m	O
	Ilan	p	05 09.3		—	—	—	—	—	—	—	—	—	—	—	18.7 O
	Taichung	ep	05 25.0		—	—	—	—	—	—	—	—	—	—	—	O
	Yushan	ip	05 25.2		—	—	—	—	—	—	—	—	—	—	—	O
					AUGUST 13th											
	ILA	Ilan	13	p	11 57 17.2	—	—	—	102	99	52	1.2	1.5	1.5	29.8	O About *
	HSN	Hsinchu		ep	57 26.1	—	—	—	—	—	—	—	—	—	—	O 100km.
	HWA	Hwalien		p	58 14.0	e	—	+ 7.2	200	222	223	3.0	3.6	3.0	11.2	I ESE. of Hwalien
	HSI	Hsinkong		p	58 20.9	—	—	—	—	—	—	—	—	—	—	O Hwalien
	ANP	Anpu		ip	58 22.5	—	—	—	—	—	—	—	—	—	—	122.5E 23.7N
	TAP	Taipei		p	58 22.7	e	+	+	—	—	—	—	—	—	—	18.5 O (H = 55)
	YUS	Yushan		ep	58 24.4	—	—	—	—	—	—	—	—	—	—	16.8 O
	TCU	Taichung		p	58 26.4	C	—	+ 6.8	—	—	S	5847	—	—	—	20.6 O
	ALS	Alishan		ep	58 27.0	—	—	—	—	—	—	—	—	—	—	18.0 O
	TAW	Tawu		ep	58 36.7	—	—	—	—	—	—	—	—	—	—	28.3 O
	HEN	Hengchun		ep	58 37.0	—	—	—	—	—	S	5905	—	—	—	28.0 O
	LAY	Lanyu		p	58 38.9	—	—	—	—	—	—	—	—	—	—	23.7 O
	TAI	Tainan		ep	58 40.0	—	—	—	—	—	—	—	—	—	—	26.9 O
	KAU	Kaoshiung		ep	58 49.0	—	—	—	—	—	—	—	—	—	—	O
	TTN	Taitung		ep	58 23.5	—	—	—	—	—	—	—	—	—	—	O
8	Taitung		13	ep	12 50 14.5	—	—	—	—	—	—	—	—	4	6.0 O (d)	
	Anpu			p	50 16.5	—	—	—	—	—	—	—	—	—	—	O
	Tawu			ep	50 17.9	—	—	—	—	—	—	—	—	—	—	O
	Hwalien			p	50 18.0	—	—	—	—	—	—	—	8	5.3 O		
	Hsinkong			ep	50 23.7	—	—	—	—	—	—	—	—	8	17.2 O	
	Hengchun			ep	50 26.2	—	—	—	—	—	—	—	—	—	—	O
	Taichung			ep	50 30.3	—	—	—	—	—	—	—	—	8	18.0 O	
	Taipei			ep	50 30.8	—	—	—	—	—	—	—	—	8	22.5 O	
	Ilan			ep	50 50.8	—	—	—	—	—	—	—	—	—	—	O
	Tainan			ep	58 44.1	—	—	—	—	—	—	—	—	—	—	O
	Kaoshiung			ep	58 55.0	—	—	—	—	—	—	—	—	—	—	O
9	Tawu		17	ep	10 41 13.0	—	—	—	—	—	—	—	—	—	—	O U.S.C.G.S.
	Anpu			ip	41 34.0	—	—	—	—	—	—	—	—	—	—	5.3N 96.2E
	Taichung			ep	42 05.6	—	—	—	—	—	—	—	—	—	—	58.0 O Northern Sumatra

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
	Ilan		ep	h. m. s. 42 49.0	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	O
	Taipei		ep	46 30.0	—	—	—	—	—	—	—	—	—	—	—	O
10	Taitung	20	p	06 00 00.0	—	—	—	—	—	—	—	—	—	—	—	8 4.2 O U.S.C.G.S.
	Tawu		ep	00 21.3	—	—	—	—	—	—	—	—	—	—	—	O 5.7S 128.6E
	Hengchun		ep	00 21.5	—	—	—	—	—	—	—	—	—	—	—	4 23.0 O Banda Sea
	Anpu		ip	00 23.6	20th AUGUST											
	HSN	Hsinchu	20	ep	22 08 59.8	—	—	—	—	—	—	—	—	—	—	14.8 O About *
	HWA	Hwalien		p	09 34.2	—	—	—	180	200	78	2.1	3.2	2.1	9.8 I	85km. ESE.
	HSI	Hsinkong		ep	09 35.4	—	—	—	—	—	—	—	—	—	—	14.6 O of Hwalien
	ILA	Ilan		ip	09 42.2	+	18	—	16	—	119	143	—	1.2	1.5	12.7 I 122.4N 23.9E
	ANP	Anpu		ip	09 47.8	—	—	—	—	—	—	—	—	—	—	03.2 O (H = 40)
	ALS	Alishan		ep	09 52.0	—	—	—	—	—	—	—	—	—	—	15.7 O
	TCU	Taichung		p	09 52.3	—	—	—	—	—	—	—	—	—	—	19.5 O
	TTN	Taitung		ep	09 52.6	—	—	—	—	—	—	—	—	—	—	O
	TAP	Taipei		ip	09 48.4	—	18.7	+	5.0	—	—	—	—	—	—	16.0 O
	LAY	Lanyu		ep	09 55.6	—	—	—	—	—	—	—	—	—	—	21.9 O
	TAW	Tawu		ep	10 00.5	—	—	—	—	—	—	—	—	—	—	28.7 O
	HEN	Hengchun		ep	10 09.3	—	—	—	—	—	—	—	—	—	—	37.2 O 10 47
12	Anpu	23	p	20 01 42.0	—	—	—	—	—	—	—	—	—	—	—	O South
	Taitung		ep	05 00.0	—	—	—	—	—	—	—	—	—	—	—	O Mexico
	Taipei		ep	07 03.6	—	—	—	—	—	—	—	—	—	—	—	O 16.0N 96.0W
	Tawu		ep	16 11.5	—	—	—	—	—	—	—	—	—	—	—	O
	Taichung		ep	47 17.0	—	—	—	—	—	—	—	—	—	—	—	O
Major Earthquakes Occurred in September, 1965																
No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
1	Anpu	4	ip	14 43 42.3	μ	μ	μ	μ	μ	μ	μ	μ	s	s	9 1.7 O U.S.C.G.S.	
	Hwalien		p	43 47.3	—	—	—	—	—	—	—	—	—	—	—	59.7 O 58.2N 152.6W
	Hsinkong		p	43 52.8	—	—	—	—	—	—	—	—	—	—	—	O Kodiak
	Taitung		p	43 53.0	—	—	—	—	—	—	—	—	—	—	—	49.0 O Islands
	Taipei		ep	43 59.1	—	—	—	—	—	—	—	—	—	—	—	O Region

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
HEN				5 SEPT	65											
TAW	Hengchun	5	ep	23 02 12.0	—	μ	μ	μ	164	127	μ	0228	s	m s	16.0 I	About
TTN	Tawu		ep	02 13.2	—	—	—	—	—	—	—	—	—	—	18.0 O	157km.
HSI	Taitung		ep	02 14.0	—	—	—	—	—	—	—	—	—	—	OSE. of	
LAM	Hsinkong		p	02 22.3	—	—	—	—	—	—	—	—	—	—	32.4 O	Hengchun
TAI	Lanyu		p	02 26.5	—	—	—	—	—	—	—	—	—	—	13.5 O	121.6E 20.9N
KAU	Tainan		p	02 27.2	—	—	—	—	—	—	—	—	—	—	O(H=60)	
HWA	Kaohsiung		p	02 37.0	—	—	—	—	—	—	—	—	—	—	O	
ALS	Hwalien		p	02 42.9	—	—	—	—	—	—	—	—	—	—	35.7 O	
ILA	Alishan		ep	02 53.7	—	—	—	—	—	—	—	—	—	—	14.5 O	
TCU	Ilan		ep	02 54.8	—	—	—	—	—	—	—	—	—	—	40.8 O	
ANP	Taichung		ep	02 56.6	—	—	—	—	—	—	—	—	—	—	39.6 O	
TAP	Anpu		ep	02 58.5	—	—	—	—	—	—	—	—	—	—	6.5 O	
	Taipei		ep	03 32.0	—	—	—	—	—	—	—	—	—	—	27.0 O	
				6 SEPT 65												
TTN	Taitung	6	ep	03 18 44.5	—	—	—	—	—	—	—	—	—	—	O About	
HEN	Hengchun		ip	18 55.6	€ 2.9	—	2.4 +	3.2	509	500	338	2.1943	—	—	17.4 O	150km.
TAW	Tawu		p	18 56.0	—	—	—	—	95	116	131	3.7	4.0	3.0	17.3 O	SE. of
HSI	Hsinkong		ep	19 08.1	—	—	—	—	—	—	—	—	—	—	11.1 O	Hengchun
LAM	Lanyu		ip	19 09.7	€ 300 +	350 +	500	—	—	—	—	—	—	—	13.3 I	121.8E 21.1N
TAI	Tainan		ep	19 10.8	—	—	—	—	—	—	—	—	—	—	25.2 O(H=20)	
ALS	Alishan		ep	19 15.7	—	—	—	—	—	—	—	—	—	—	34.8 O	
HWA	Hwalien		p	19 23.2	—	—	—	123	58	—	—	—	—	—	27.1 O	
KAU	Kaohsiung		ep	19 30.0	—	—	—	—	—	—	—	—	—	—	O	
TCU	Taichung		ep	19 32.7	—	—	—	—	—	—	—	—	—	—	15.9 O	
TAP	Taipei		ep	19 36.6	—	—	—	—	—	—	—	—	—	—	51.5 O	
ANP	Anpu		ip	19 39.0	—	—	—	—	—	—	—	—	—	—	O	
HSN	Hsinchu		ep	20 43.3	—	—	—	—	—	—	—	—	—	—	50.8 O	
				6 SEPT 65												
4	Taitung	11	ep	07 00 16.1	—	—	—	—	—	—	—	—	7	59.6 O	U.S.C.G.S.	
	Tawu		ep	00 45.8	—	—	—	—	—	—	—	—	—	—	O 5.3S 153.0E	
	Hengchun		ep	00 52.8	—	—	—	—	—	—	—	—	—	—	O New	
	Hwalien		p	00 53.2	—	—	—	—	—	—	—	—	—	—	6 20.0 O	Britian
	Anpu		ip	00 58.0	—	—	—	—	—	—	—	—	—	—	9 18.0 O	Region
	Taipei		ep	07 22.2	—	—	—	—	—	—	—	—	—	—	O	
	Ilan		ep	00 47.5	—	—	—	—	—	—	—	—	—	—	O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks
					N	E	Z	N	E	Z	N	E	Z		
5	Ilan	12	ep	08 48 14.6	—	μ	μ	μ	μ	μ	μ	—	—	—	O U.S.C.G.S. 6.3S 151.6E
	Anpu		p	48 15.2	—	—	—	—	—	—	—	—	—	—	O New Britian Region
6	Taitung	12	ep	22 12 18.8	—	—	—	—	—	—	—	—	—	—	O U.S.C.G.S. 6.4S 70.8E
	Tawu		p	12 20.2	—	—	—	—	—	—	—	—	—	—	O Chagos Archipelago
	Anpu		ip	12 31.7	—	—	—	—	—	—	—	—	—	—	O Region
	Taipei		ep	19 14.0	—	—	—	—	—	—	—	—	—	—	O
7	Taitung	14	ep	08 31 12.7	—	—	—	—	—	—	—	—	—	—	4 00.0 O U.S.C.G.S. 8.4N 126.8E
	Ilan		ep	31 19.3	—	—	—	—	—	—	—	—	—	—	3 6.1 O Mindanao Philippine Islands
	Anpu		ip	31 20.0	—	—	—	—	—	—	—	—	—	—	O Islands
	Taipei		ep	34 31.3	—	—	—	—	—	—	—	—	—	—	O
8	Alishan	17	ep	16 25 06.7	—	—	—	—	—	—	—	—	—	—	4 59.4 O U.S.C.G.S.
	Ilan		ep	25 43.2	—	—	—	—	—	—	—	—	—	—	4 22.6 O 36.3N 141.2E
	Taipei		ep	25 47.9	—	—	—	—	—	—	—	—	—	—	3 46.0 O Near East
	Anpu		ip	25 51.3	—	—	—	—	—	—	—	—	—	—	4 02.7 O Coast of
	Hwalien		p	26 01.2	—	—	—	—	—	—	—	—	—	—	4 08.9 O Honshu
	Hsinkong		ip	26 06.9	—	—	—	—	—	—	—	—	—	—	3 58.6 O Japan
	Taitung		ep	26 07.6	—	—	—	—	—	—	—	—	—	—	4 6.0 O
	Tawu		ep	26 12.2	—	—	—	—	—	—	—	—	—	—	4 1.4 O
	Hengchun		ep	26 23.7	—	—	—	—	—	—	—	—	—	—	3 0.9 O
	Taichung		ep	26 30.7	—	—	—	—	—	—	—	—	—	—	4 8.2 O
	Tainan		ep	30 16.1	—	—	—	—	—	—	—	—	—	—	O
	Kaohsiung		ep	30 28.0	—	—	—	—	—	—	—	—	—	—	O
9	Taitung	18	p	22 06 28.9	—	—	—	—	—	—	—	—	—	—	42 3.8 O U.S.C.G.S. 8.2N 126.8E.
	Taipei		p	07 10.9	—	—	—	—	—	—	—	—	—	—	O Mindanao Philippine Islands
	Anpu		ip	07 17.6	—	—	—	—	—	—	—	—	—	—	3 17.4 O Islands
	Hwalien		ep	07 24.1	—	—	—	—	—	—	—	—	—	—	O
				SEPT 215											
10	Anpu	21	ip	01 40 13.8	€ 68 —	85 +	93	—	—	—	—	—	—	—	1 3.2 O U.S.C.G.S.
ILA	Ilan		ip	40 14.3	€ 10 —	10 +	8	285	250	125	3.9	3.3	3.7	—	50.8 I 29.1N 128.2E
TAP	Taipei		p	40 16.4	€ 40 —	70 +	20	710	430	—	11.8	13.0	—	1 17.9 O East China	
HWA	Hwalien		p	40 18.1	—	—	—	135	116	58	4.1	4.3	8.51	2.0 O Sea	
				4117	</td										

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No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks
					N	E	Z	N	E	Z	s	s	m s		
HSI	Hsinkong	p		h. m. s. 40 26.6	μ	μ	μ	μ	μ	μ	s	s	1	5.2 O	S
TCU	Taichung	p		40 29.4	—	—	—	—	—	—	—	—	1	37.3 O	4207
ALS	Alishan	p		40 32.4	—	—	—	—	—	—	—	—	1	32.0 O	
TTN	Taitung	p		40 33.8	—	—	—	—	—	—	—	—	—	O	
YUS	Yushan	p		40 33.9	—	—	—	—	—	—	—	—	1	26.4 O	
TAW	Tawu	ep		40 39.6	—	—	—	—	—	—	—	—	2	01.4 O	
TAI	Tainan	ep		42 46.2	—	—	—	—	—	—	—	—	—	O	
HEN	Hengchun	p		40 47.0 + 8.3 + 4.8 - 7.5	77	95	38	4.0	4.0	—	2	12.0 O	4249		
LAY	Lanyu	p		40 57.5	—	—	—	—	—	—	—	—	1	3.04 O	
KAU	Kaohsiung	ep		42 55.0	—	—	—	—	—	—	—	—	—	O	
11	Hengchun	ep	04	29 23.5	—	—	—	—	—	—	—	—	—	O U. S. C. G. S.	
	Taitung	p		29 24.0	—	—	—	—	—	—	—	6	15.6 O	20.8N 99.3E	
	Tawu	ep		29 26.0	—	—	—	—	—	—	—	—	—	O Burma	
	Alishan	ep		29 28.8	—	—	—	—	—	—	—	9	1.8 O		
	Hsinkong	p		29 31.4	—	—	—	—	—	—	—	6	24.3 O		
	Taichung	ep		29 33.3	—	—	—	—	—	—	—	5	58.9 O		
	Anpu	ip		29 34.1	—	—	—	—	—	—	—	4	2.9 O		
	Ilan	ep		29 36.0	—	—	—	—	—	—	—	6	16.8 O		
	Taipei	ep		29 36.5	—	—	—	—	—	—	—	—	—	O	
	Hwalien	p		29 36.8	—	—	—	100	—	—	3.7	—	5	48.3 O	
12	Anpu	22	ip	22 12 34.3 - 2.7 - 2.7 + 4.0	—	—	—	—	—	—	—	4	15.7 O	U. S. C. G. S.	
	Ilan	ep		12 38.3	—	—	—	—	—	—	—	4	38.4 O	36.4N 141.3E	
	Taipei	ep		12 42.0	—	—	—	—	—	—	—	4	24.0 O	Near East	
	Hsinkong	p		12 48.5	—	—	—	—	—	—	—	—	—	O Coast of	
	Tawu	ep		12 54.4	—	—	—	—	—	—	—	—	—	O Honshu	
	Taitung	ep		12 55.3	—	—	—	—	—	—	—	4	2.0 O	Japan	
	Hengchun	ep		13 03.3	—	—	—	—	—	—	—	—	—	O	
	Taichung	ep		12 17.9	—	—	—	—	—	—	—	—	—	O	
ILA	Ilan	27	ip	00 11 41.1	5-	6+	20	386	266	130	1.5	1.5	1.7	2.5 II	20km. ENE.
TAP	Taipei	ip		11 52.0	C	6-	10+	22	—	—	—	—	—	6.5 O	of Ilan
HWA	Hwalien	p		11 54.6	—	—	—	—	32	—	125	—	—	7.7 I	121.9E 24.9N
TCU	Taichung	ep		12 06.9	—	—	—	—	—	—	1227	—	—	14.9 O (H-5)	

SEPT 27 Cont.

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			Intensity & Remarks
					N	E	Z	N	E	Z	N	E	Z	
AIS	Alishan		ep	h. m. s. 12 09.0	μ	μ	μ	μ	μ	μ	μ	μ	μ	20.5 O
YUS	Yushan		p	12 10.8	—	—	—	—	—	—	—	—	—	22.3 O
TTN	Taitung		ep	12 21.5	—	—	—	—	—	—	—	—	—	O
TAW	Tawu		ep	12 45.3	—	—	—	—	—	—	—	—	—	O
HCH	Hengchun		ep	13 05.8	—	—	—	—	—	—	—	—	—	O

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地 震 季 報

第十二卷 第 四 號

中華民國五十四年十、十一、十二月

THE SEISMOLOGICAL BULLETIN OF TAIWAN WEATHER BUREAU *for* October–December 1965 VOL. 12 No. 4

臺灣省氣象局

PUBLISHED QUARTERLY BY

TAIWAN WEATHER BUREAU

64, KUNG YUAN ROAD, TAIPEI, TAIWAN, CHINA

General Aspect of Earthquakes

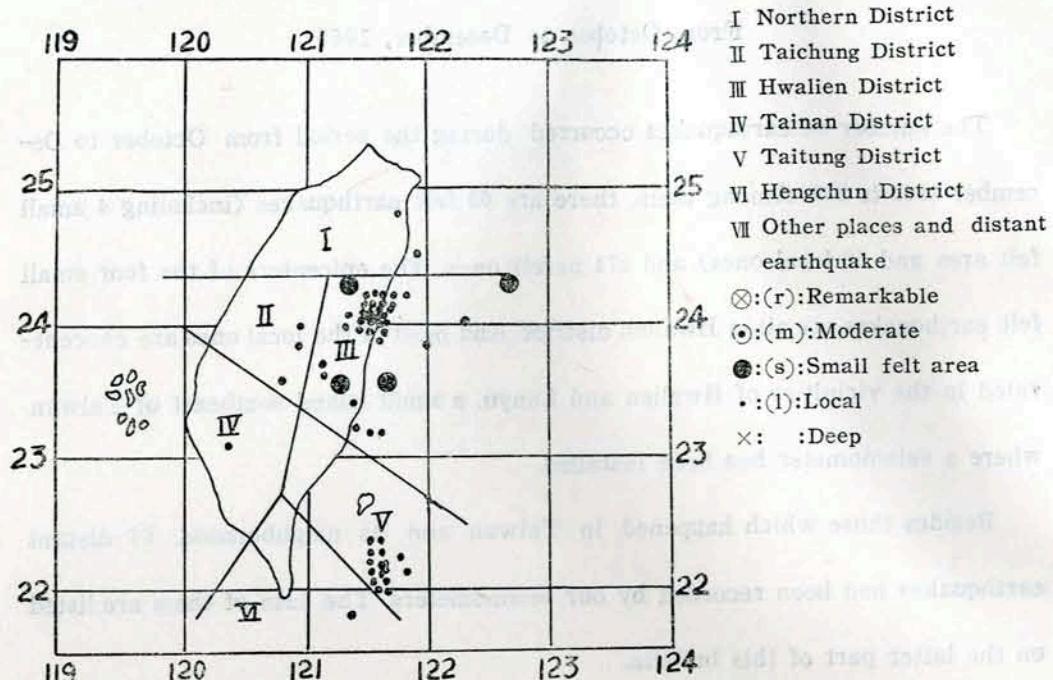
From October to December, 1965.

The number of earthquakes occurred during the period from October to December 1965 is 333. Among them, there are 62 felt earthquakes (including 4 small felt area and 58 local ones) and 271 unfeet ones. The epicenters of the four small felt earthquakes are all in Hwalien district. And most of the local ones are concentrated in the vicinities of Hwalien and Lanyu, a small island southeast of Taiwan, where a seismometer has been installed.

Besides those which happened in Taiwan and its neighborhood, 66 distant earthquakes had been recorded by our seismometers. The data of them are listed on the latter part of this bulletin.

2

Epicenters of Felt Earthquakes from October to December 1965



Number of earthquakes classified according to it's magnitude and districts October to December 1965

Classification Districts	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Magnitudes	Remark- able	Moderate	Small felt area	Local		
Northern District	—	—	—	—	2	2	36
Taichung	"	—	—	—	3	3	11
Hwalien	"	—	—	4	37	41	94
Tainan	"	—	—	—	1	1	2
Taitung	"	—	—	—	14	14	128
Hengchun	"	—	—	—	1	1	6
Total		0	0	4	58	62	271
Other places	—	—	—	—	—	0	66
						66	333

Felt Earthquakes from October to December, 1965

No	Month	P. (G. M. T.)	Magnitude	Epicenter	Latitude	Longitude	Depth
85	Oct.	d. 3 00 10	(L)	Near Ilan			
86	"	4 01 26	(S)	About 25 km. ENE. of Yushan	23.5	121.2	10
87	"	4 04 18	(L)	About 45km. ENE. of Alishan			
88	"	4 23 05	"	Near Hwalien			
89	"	6 13 09	"	"			
90	"	6 13 10	"	"			
91	"	9 03 19	"	About 12 km. WNW. of Hwalien			0
92	"	9 18 19	"	Near Hwalien			
93	"	9 18 19	"	"			
94	"	9 18 23	"	"			
95	"	9 18 28	"	"			
96	"	10 05 08	"	"			
97	"	11 02 51	"	About 10km. NNE. of Hsinkong			0
98	"	11 09 05	"	Near Hwalien			
99	"	12 01 57	"	"			
100	"	15 07 03	"	"			
101	"	20 17 25	"	"			
102	"	21 01 05	"	"			
103	"	22 12 33	"	"			
104	"	22 16 51	"	"			
105	"	23 12 15	"	"			
106	"	24 03 11	"	"			
107	"	26 18 58	"	About 30 km. ENE. of Hsinkong			30
108	"	27 04 32	"	About 18 km. ENE. of Taiwan			10
109	"	27 06 22	"	Near Hwalien			
110	"	27 17 32	"	"			
111	"	31 15 11	"	"			
112	Nov.	1 14 19	"	About 17 km ENE. of Hsinkong			5
113	"	2 04 49	"	About 20 km. W. of Hwalien			60
114	"	6 17 38	"	About 35 km. N. of Yushan			10
115	"	6 17 43	"	About 16 km. ENE. of Yushan			30
116	"	12 14 13	(S)	About 116 km. ENE. of Hwalien	24.4	122.6	30
117	"	16 17 06	(R)	About 392 km. ENE. of Hwalien	24.4	125.5	80
118	"	17 16 02	(L)	Near Hwalien			

No.	Month	P. (G. M. T.)	Magnitude	Epicenter	Latitude N.	Longitude E.	Depth kms.
119	Nov.	d. h. m. 17 16 20	(L)	Near Lanyu			
120	"	17 21 19	"	"			
121	"	17 23 59	"	"			
122	"	18 00 08	"	"			
123	"	18 01 28	"	About 22 km. E. of Lanyu			10
124	"	18 03 22	"	About 20 km. SSE. of Hwalien			15
125	"	18 03 58	"	Near Lanyu			
126	"	18 04 30	"	"			
127	"	18 05 48	"	"			
128	"	18 06 47	"	"			
129	"	18 07 27	"	About 25 km. E. of Lanyu			10
130	"	18 07 36	"	Near Lanyu			
131	"	18 08 00	"	"			
132	"	19 22 31	(S)	About 50 km. SSE. of Hwalien	23.5	121.7	0
133	"	23 02 38	(L)	New Lanyu			
134	"	23 13 27	"	"			
135	"	25 10 16	"	Near Hwalien			
136	"	27 06 06	"	"			
137	Dec.	1 13 13	"	About 30 km. NNE. of Hwalien			15
138	"	4 20 57	"	About 74 km. ENE. of Hwalien			40
139	"	5 16 31	(S)	About 43 km. SSW. of Ilan	21.4	121.5	10
140	"	10 14 00	(L)	Near Hwalien			
141	"	12 09 46	"	"			
142	"	14 04 49	"	About 64 km. SSE. of Hengchun			20
143	"	17 10 22	"	About 65 km. W. of Hwalien			20
144	"	19 16 53	"	About 35 km. N. of Hsinkong			50
145	"	21 04 26	"	About 40 km. ESE. of Hwalien			20
146	"	27 02 21	"	Near Alishan			
147	"	26 04 43	"	About 30 km. SE. of Ilan			20

Unfelt Earthquakes From October to December, 1966							
No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
876	Sep.	d. h. m. 30 17 40	Near Hsinkong.	910	Oct.	d. h. m. 7 21 35	Taitung district.
877	"	30 21 28	"	911	"	7 21 42	"
878	"	30 21 35	About 87km. ESE. of Hwalien	912	"	8 11 55	About 100km. ENE. of Hsinkong.
879	"	30 23 45	Near Hwalien.	913	"	9 02 59	Near Hwalien.
880	Oct.	1 05 56	Northern district.	914	"	9 03 47	Near Hsinkong.
881	"	1 08 53	Hwalien district.	915	"	9 03 49	Near Hwalien.
882	"	1 09 00	(d)	916	"	9 07 56	"
883	"	1 13 34	(d)	917	"	9 09 34	Near Hsinkong.
884	"	1 13 59	(d)	918	"	9 11 27	Taichung distict.
885	"	1 14 00	About 130km. ESE. of Hwalien.	919	"	9 18 25	Near Hwalien.
886	"	1 16 48	Hwalien district.	920	"	9 19 02	"
887	"	1 21 26	Northern district.	921	"	9 19 07	"
888	"	2 06 41	Hengchun district.	922	"	9 19 11	"
889	"	2 08 58	About 115km. N. of Taipei.	923	"	9 20 14	Hwalien district.
890	"	2 09 59	Hengchun district.	924	"	9 20 45	Near Hwalien.
891	"	2 10 01	About 52km. SSE. of Hwalien.	925	"	9 23 37	Near Ilan.
892	"	2 18 35	Near Lanyu.	926	"	9 23 39	Near Hsinkong.
893	"	2 21 28	About 115km. E. of Hwalien.	927	"	10 05 16	Near Hwalien.
894	"	3 08 01	Taitung district.	928	"	10 05 19	"
895	"	3 13 24	Near Hwalien.	929	"	10 08 43	About 52km. NE. of Hsinkong.
896	"	3 14 52	(d)	930	"	10 10 14	Near Hwalien.
897	"	4 00 10	Hwalien district.	931	"	10 10 14	"
898	"	4 11 22	"	932	"	10 10 20	"
899	"	4 15 09	Near Alishan.	933	"	10 10 23	Hwalien district.
900	"	4 16 05	Near Hsinkong.	934	"	10 16 41	Near Yushan.
901	"	6 01 50	Hwalien disrict.	935	"	10 17 11	Near Hwalien.
902	"	6 09 56	Taitung district.	936	"	10 18 37	About 45km. SSW. of Hwalien.
903	"	6 13 36	Near Hsinkong.	937	"	10 19 24	Near Hwalien.
904	"	6 14 40	"	938	"	10 19 24	"
905	"	6 17 50	Taitung district.	939	"	11 09 11	Hwalien district.
906	"	6 21 35	"	940	"	11 10 27	Near Hwalien.
907	"	6 21 42	Near Hsinkong.	941	"	11 10 44	"
908	"	7 03 38	(d)	942	"	11 11 41	Near Taitung.
909	"	7 09 56	About 45km. NNE. of Hsinkong.	943	"	12 03 34	Near Hwalien

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
944	Oct.	d. h. m. 12 06 02	About 32km. ENE. of Yushan	979	Oct.	d. h. m. 24 20 26	(d)
945	"	12 13 51	(d)	980	"	25 00 15	(d)
946	"	13 09 00	Near Hwalien	981	"	25 06 54	Northern district.
947	"	13 14 57	(d)	982	"	25 14 15	Hwalien district.
948	"	14 05 54	Near Hsinkong	983	"	25 14 16	"
949	"	14 08 06	(d)	984	"	25 17 40	"
950	"	15 03 28	Near Hwalien.	985	"	25 22 39	(d)
951	"	15 19 20	About 32km. NNE. of Hsinkong.	986	"	25 23 45	Taitung district.
952	"	16 03 49	Near Hwalien.	987	"	26 00 03	About 104km. ESE. of Ilan.
953	"	16 20 15	(d)	988	"	26 20 38	Taitung district.
954	"	16 22 45	(d)	989	"	26 20 58	Northern district.
955	"	17 02 02	(d)	990	"	26 21 36	Near Hsinkong.
956	"	17 05 55	Near Taichung.	991	"	27 11 54	Near Alishan.
957	"	17 19 13	Near Hsinkong.	992	"	27 17 33	Near Hwalien
958	"	18 11 07	Hwalien district.	993	"	27 22 50	Northern district.
959	"	18 21 28	Near Taipei.	994	"	28 03 37	Taitung district.
960	"	18 21 55	(d)	995	"	28 09 04	(d)
961	"	19 20 57	(d)	996	"	28 23 09	Hwalien district.
962	"	20 14 02	Near Alishan.	997	"	29 14 15	Near Hwalien.
963	"	21 18 54	Near Lanyu	998	"	29 14 54	Northern district.
964	"	21 22 00	Near Hwalien	999	"	29 17 41	Hwalien district.
965	"	22 16 15	"	1000	"	29 23 02	Northern district.
966	"	22 16 18	"	1001	"	30 13 58	About 14km. NNE. of Hsinkong.
967	"	22 21 22	"	1002	"	30 16 44	Near Hsinkong.
968	"	22 23 00	Near Hsinkong.	1003	"	30 17 00	Near Hwalien.
969	"	23 08 54	About 58km. E. Taipei.	1004	"	30 18 34	Northern district.
970	"	23 09 21	Northern district.	1005	"	31 11 51	"
971	"	23 14 22	About 72km. ENE. of Ilan.	1006	"	31 13 09	About 46km. SE. of Ilan.
972	"	24 03 10	Near Hwalien.	1007	"	31 17 32	(d)
973	"	24 03 11	"	1008	"	31 19 47	About 40km. SSE. of Ilan.
974	"	24 03 11	"	1009	Nov.	1 01 05	Hengchun district.
975	"	24 03 27	"	1010	"	1 01 52	About 100km. ENE. of Taipei.
976	"	24 06 57	Near Hsinkong.	1011	"	1 02 53	Near Lanyu.
977	"	24 14 37	(d)	1012	"	1 17 27	Taitung district.
978	"	24 17 19	Taitung district	1013	"	1 18 13	(d)

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
1014	Nov.	d. h. m. 1 21 08	Taitung district.	1049	Nov.	d. h. m. 15 12 53	Near Hsinkong.
1015	"	2 01 15	Near Lanyu.	1050	"	15 13 01	Near Hwalien.
1016	"	2 01 37	"	1051	"	15 14 34	Near Hsinkong.
1017	"	2 15 54	(d)	1052	"	15 13 45	Near Hwalien.
1018	"	3 01 57	(d)	1053	"	15 22 14	Near Hsinkong.
1019	"	3 02 08	Hengchun district.	1054	"	17 17 14	Near Lanyu.
1020	"	3 07 35	Northern district.	1055	"	17 17 16	Near Hwalien.
1021	"	3 13 47	Taitung district.	1056	"	17 19 14	Near Lanyu.
1022	"	3 16 40	About 50km. ENE. of Hwalien.	1057	"	17 20 21	Near Hwalien.
1023	"	3 18 51	Northern district.	1058	"	17 20 27	Near Lanyu.
1024	"	4 15 43	"	1059	"	17 21 16	"
1025	"	4 18 53	Taitung district.	1060	"	17 21 25	"
1026	"	5 19 08	(d)	1061	"	18 00 00	Taitung district.
1027	"	5 22 06	(d)	1062	"	18 00 07	Near Lanyu
1028	"	6 02 11	Hwalien district.	1063	"	18 00 09	"
1029	"	6 02 14	Taitung district.	1064	"	18 00 16	"
1030	"	6 02 51	"	1065	"	18 00 47	About 32km. N. of Hwalien.
1031	"	6 09 01	(d)	1066	"	18 02 13	Near Lanyu.
1032	"	6 15 32	Near Lanyu.	1067	"	18 02 17	"
1033	"	6 17 03	Near Hsinkong.	1068	"	18 02 18	"
1034	"	6 17 43	About 15km. ENE. of Yushan.	1069	"	18 03 08	"
1035	"	7 05 37	Taitung district.	1070	"	18 03 36	"
1036	"	9 21 01	About 15km. NNE. of Hwalien.	1071	"	18 03 49	Taitung district.
1037	"	9 22 28	Taitung district.	1072	"	18 06 16	Near Lanyu.
1038	"	10 04 27	Hwalien district.	1073	"	18 07 43	"
1039	"	10 04 33	Near Hwalien.	1074	"	18 08 46	"
1040	"	11 00 28	"	1075	"	18 11 28	"
1041	"	12 17 18	(d)	1076	"	18 11 34	"
1042	"	12 17 56	(d)	1077	"	18 16 38	"
1043	"	13 01 28	Near Hsinkong.	1078	"	18 18 27	"
1044	"	13 04 40	(d)	1079	"	18 27 11	(d)
1045	"	14 03 49	About 16km. ENE. of Yushan.	1080	"	18 21 37	Near Lanyu.
1046	"	14 05 35	Tainan district.	1081	"	18 22 05	(d)
1047	"	14 05 59	(d)	1082	"	19 00 10	Hwalien district.
1048	"	15 11 35	(d)	1083	"	19 07 20	(d)

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
1084	Nov.	d. h. m. 19 07 56	Near Lanyu.	1119	Nov.	d. h. m. 27 12 10	(d)
1085	"	19 07 59	"	1120	"	27 21 15	Near Lanyu.
1086	"	19 17 07	"	1121	"	28 04 15	Northern district
1087	"	19 23 12	"	1122	"	28 05 27	Near Hwalien.
1088	"	20 02 16	"	1123	"	28 16 36	Near Lanyu.
1089	"	20 03 20	Neas Taipei.	1124	"	29 03 44	"
1090	"	20 04 10	Near Lanyu.	1125	"	29 05 31	"
1091	"	20 07 06	Northern district	1126	"	29 06 17	Taitung district.
1092	"	20 09 14	"	1127	"	29 13 26	"
1093	"	20 15 11	(d)	1128	"	29 13 46	"
1094	"	20 18 10	Near Lanyu.	1129	"	29 18 53	"
1095	"	21 06 46	Northern district.	1130	"	29 20 58	Hwalien district.
1096	"	21 10 37	(d)	1131	"	30 07 15	Near Hwalien.
1097	"	22 01 43	Near Lanyu.	1132	"	30 08 52	"
1098	"	22 10 49	"	1133	Dec.	1 10 32	Near Hsinkong.
1099	"	22 12 23	"	1134	"	1 16 30	Near Taipei.
1100	"	22 13 00	"	1135	"	1 13 98	Northern district.
1101	"	22 14 34	Hwalien district	1136	"	2 00 59	Near Hsinkong.
1102	"	22 14 56	Near Lanyu.	1137	"	2 07 24	"
1103	"	22 15 07	"	1138	"	2 12 08	"
1104	"	22 15 37	Northern district.	1139	"	2 13 02	Near Hwalien.
1105	"	22 15 48	Near Lanyu.	1140	"	2 16 30	Hwalien district.
1106	"	22 16 08	"	1141	"	2 19 38	About 108km. ENE. of Hwalien
1107	"	22 18 24	"	1142	"	3 01 59	Hwalien district.
1108	"	22 18 54	"	1143	"	3 06 54	(d)
1109	"	22 20 34	(d)	1144	"	3 15 30	(d)
1110	"	23 01 21	(d)	1145	"	3 17 55	Hwalien district.
1111	"	23 03 54	Near Lanyu.	1146	"	4 04 49	"
1112	"	23 11 40	Northern district.	1147	"	4 20 59	Taitung district.
1113	"	24 01 03	About 85km. ESE. of Hwalien.	1148	"	5 08 12	Hwalien district.
1114	"	24 06 13	Near Lanyu.	1149	"	5 15 36	Near Hwalien
1115	"	24 08 14	"	1150	"	6 12 04	(d)
1116	"	25 13 41	"	1151	"	6 12 14	Near Alishan.
1117	"	25 17 39	"	1152	"	6 13 01	Near Hsinkong.
1118	"	27 03 08	(d)	1153	"	6 15 16	"

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
1154	Dec.	d. h. m. 6 16 41	"	1184	Dec.	d. h. m. 20 00 20	(d)
1155	"	7 22 26	(d)	1185	"	20 03 25	Northern district.
1156	"	8 01 49	Taichung district.	1186	"	20 12 57	Hwalien district.
1157	"	8 02 02	Near Lanyu.	1187	"	20 23 03	Taitung. district
1158	"	8 13 28	Near Hwalien.	1188	"	21 04 47	Near Lanyu.
1159	"	8 18 17	(d)	1189	"	21 12 47	Taitung district.
1160	"	9 06 28	(d)	1190	"	21 21 50	Near Taitung.
1161	"	9 09 36	Near Lanyu	1191	"	22 00 17	(d)
1162	"	9 16 47	Near Lanyu.	1192	"	22 00 58	Hengchun district.
1163	"	9 18 37	"	1193	"	22 02 56	Near Hsinkong.
1164	"	9 20 35	(d)	1194	"	22 07 35	(d)
1165	"	10 04 02	About 36km. ENE. of Yushan.	1195	"	22 18 11	Hengchun district.
1166	"	10 06 44	Near Hsinkong.	1196	"	22 19 52	(d)
1167	"	10 17 54	Near Lanyu.	1197	"	23 14 12	Taitung district.
1168	"	10 22 02	(d)	1198	"	23 17 46	Northern district.
1169	"	12 02 28	Near Lanyu.	1199	"	23 20 30	"
1170	"	12 02 28	"	1200	"	24 23 39	Near Hwalien.
1171	"	13 05 51	(d)	1201	"	25 06 20	Taitung district.
1172	"	13 06 01	Taitung district	1202	"	22 13 58	(d)
1173	"	13 10 58	(d)	1203	"	26 04 00	(d)
1174	"	13 11 03	(d)	1204	"	26 11 19	Taitung district.
1175	"	13 14 52	(d)	1205	"	26 14 59	Near Hsinkong.
1176	"	12 22 42	(d)	1206	"	27 20 23	(d)
1177	"	15 23 24	(d)	1207	"	28 12 15	(d)
1178	"	16 08 06	Taitung district.	1208	"	28 20 36	(d)
1179	"	17 16 53	"	1209	"	28 21 33	(d)
1180	"	18 02 14	Near Lanyu.	1210	"	28 23 30	About 45km. E.N.E. of Hsinkong.
1181	"	18 10 52	Northern district.	1211	"	29 04 23	(d)
1182	"	18 13 32	(d)	1212	"	30 10 34	About 44km. E. of Taitung.
1183	"	19 22 17	(d)				

Major Earthquakes Occurred in October, 1965

No.	Station	Date	Phase	P (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P-S	Intensity	Epicenter & Remark		
					N	E	Z	N	E	Z	N	E	Z					
	Ilan		ep	h. m. s. 56 01.8	μ	μ	μ	μ	μ	μ	s	s	s	4	37.7	O		
	Taipei		ep	56 06.1	—	—	—	—	—	—	—	—	—	5	14.0	O		
6	Taichung	24	p	20 26 29.5	—	—	—	—	—	—	—	—	—	—	50.1	O	U.S & C.G.S.	
	Hengchun		ep	26 56.3	—	—	—	95	83	40	—	—	—	—	29.0	O	20.1 N 122.2 E	
	Anpu		ip	27 34.6	—	—	—	—	—	—	—	—	—	—	2.4	O	Philippine	
	Taipei		ep	27 36.0	—	—	—	—	—	—	—	—	—	—	53.0	O	Islands	
	Hsinkong		ip	27 04.9	—	—	—	—	—	—	—	—	—	—	35.2	O	Region	
	Yushan		p	27 15.8	—	—	—	—	—	—	—	—	—	—	44.9	O	—	
	Hwalien		p	27 18.8	—	—	—	78	78	25	2.3	1.6	1.5	—	40.0	O	—	
	Alishan		p	27 20.8	—	—	—	—	—	—	—	—	—	—	43.5	O	—	
7	Hwalien	25	p	00 15 56.0	—	—	—	45	45	17	3.6	5.7	2.4	—	36.0	O	U.S & C.G.S.	
	Lanyu		p	16 00.5	—	—	—	—	—	—	—	—	—	—	37.8	O	24.5 N 124.9 E	
	Anpu		ip	16 01.5	—	—	—	—	—	—	—	—	—	—	2.5	O	Southwest- er	
	Taitung		ep	16 03.5	—	—	—	—	—	—	—	—	—	—	2	17.0	O	Ryukyn
	Ilan		ep	16 04.2	—	—	—	—	—	—	—	—	—	—	31.2	O	Islands	
	Taipei		ep	16 06.0	—	—	—	—	—	—	—	—	—	—	35.0	O	—	
	Alishan		p	16 06.7	—	—	—	—	—	—	—	—	—	—	45.6	O	—	
	Taichung		ep	16 09.2	—	—	—	—	—	—	—	—	—	—	46.9	O	—	
	Hengchun		ep	16 14.0	—	—	—	—	—	—	—	—	—	—	—	O	—	
	Tainan		ep	16 18.0	—	—	—	—	—	—	—	—	—	—	—	O	—	
	Kaohsiung		ep	16 28.5	—	—	—	—	—	—	—	—	—	—	—	O	—	
	Hsinkong		ep	16 59.0	—	—	—	—	—	—	—	—	—	—	38.4	O	—	
8	Anpu	25	ip	22 39 53.2	—	1.9	—	1.1	+	2.8	—	—	—	—	4	22.8	O	U.S & C.G.S.
	Taitung		ep	39 57.0	—	—	—	—	—	—	—	—	—	—	4	41.8	O	44.2N 145.3E
	Paipei		p	40 01.8	—	—	—	—	—	—	—	—	—	—	4	36.3	O	Hokkaido
	Hwalien		p	40 04.0	—	—	—	—	—	—	—	—	—	—	—	O	Japan	—
	Ilan		ep	40 10.4	—	—	—	—	—	—	—	—	—	—	3	36.8	O	Region
	Hsinkong		p	40 11.8	—	—	—	—	—	—	—	—	—	—	4	33.7	O	—
	Taichung		ep	40 16.0	—	—	—	—	—	—	—	—	—	—	4	15.1	O	—
	Tawu		ep	40 22.0	—	—	—	—	—	—	—	—	—	—	—	—	O	—
	Hengchun		ep	40 31.0	—	—	—	—	—	—	—	—	—	—	—	O	—	—
	Tainan		ep	43 40.1	—	—	—	—	—	—	—	—	—	—	—	O	—	—
	Kaohsiung		ep	43 50.0	—	—	—	—	—	—	—	—	—	—	—	O	—	—

Major Earthquakes Occurred in November, 1965

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity & Remarks
					N	E	Z	N	E	Z	N	E	Z		
1	Anpu	ip	h. m. s. 01 57 58.0	μ μ + 1.5	μ —	5.3	μ —	μ —	μ —	s —	s —	s —	13 50.0	O	
	Taitung		57 58.0	—	—	—	—	—	—	—	—	—	4 46.0	O (d)	
	Hwalien	ep	58 21.1	—	—	—	—	—	—	—	—	—	9 59.4	O	
2	Hwalien	12 p	14 13 22.7	—	—	—	25	—	—	2.4	—	—	12.4	I About 116 km.	
	Ilan	ep	13 24.6	—	—	—	—	—	—	—	—	—	11.3	O ENE. of	
	Hsinkong	p	13 30.2	—	—	—	—	—	—	—	—	—	11.6	O Hwalien	
	Anpu	ep	13 31.2	—	—	—	—	—	—	—	—	—	15.8	O 122.6E	
	Taipei	p	13 31.3	—	—	—	—	—	—	—	—	—	15.2	O 24.4N	
	Alishan	p	13 34.6	—	—	—	—	—	—	—	—	—	16.0	O (H=30)	
3	Ilan	12 ep	17 56 22.8	—	—	—	—	—	—	—	—	—	3 12.7	O	
	Anpu	i p	56 28.1	—	27	—	30 +	27	—	—	—	—	4 39.9	O	
	Taipei	p	56 30.3	—	—	—	—	—	—	—	—	—	3 34.3	O (d)	
	Hwalien	p	56 35.5	—	—	—	—	—	—	—	—	—	4 54.4	O	
	Taichung	ep	56 41.0	—	—	—	—	—	—	—	—	—	—	O	
	Alishan	T	56 46.4	—	—	—	—	—	—	—	—	—	3 40.2	O	
	Hsinkong	p	56 48.3	—	—	—	—	—	—	—	—	—	—	O	
	Tainan	ep	56 52.8	—	—	—	—	—	—	—	—	—	—	O	
	Kaohsiung	ep	56 53.0	—	—	—	—	—	—	—	—	—	—	O	
	Taitung	ep	56 58.8	—	—	—	—	—	—	—	—	—	3 36.2	O	
	Hengchun	ep	57 00.0	—	—	—	—	—	—	—	—	—	—	O	
4	Penghu	13 p	04 40 17.6	—	—	—	—	—	—	—	—	—	4 8.4	O	
	Ilan	p	40 26.8	—	—	—	—	—	—	—	—	—	4 48.3	O	
	Anpu	ip	40 27.8	—	4.7	—	6.7 +	7.9	—	—	—	—	5 30.2	O (d)	
	Taipei		. 30.0	—	—	—	—	—	—	—	—	—	5 16.7	O	
	Alishan	ep	40 32.8	—	—	—	—	—	—	—	—	—	11 7.0	O	
	Taichung	ep	40 37.8	—	—	—	—	—	—	—	—	—	5 36.7	O	
	Taitung	p	40 40.0	—	—	—	—	—	—	—	—	—	5 27.0	O	
	Hwalien	p	40 40.1	—	—	—	—	—	—	—	—	—	11 19.7	O	
	Hsinkong	p	40 45.5	—	—	—	—	—	—	—	—	—	34.0	O	
	Hengchun	p	41 00.0	—	—	—	—	—	—	—	—	—	—	O	
	Tainan	p	41 07.5	—	—	—	—	—	—	—	—	—	—	O	
	Kaohsiung	p	41 10.0	—	—	—	—	—	—	—	—	—	—	O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion	Maximum Amplitude			Period			P~S	Intensity & Remarks				
						N	E	Z	N	E	Z						
5	Ilan	16	p	h. m. s. 17 06 33.1	—	μ	μ	μ	—	μ	μ	—	20.1	O			
	Taipei		ep	06 35.0	—	2	—	3 +	7	—	—	—	40.7	O About 392 km.			
	Hwalien		p	06 35.2	—	—	—	—	—	162	130	76	3.4	22.2 I ENE. of			
	Aupu		p	06 37.0	—	—	—	—	—	—	—	—	—	27.0 O Hwalien			
	Hsinchu		ep	06 44.2	—	—	—	—	—	—	—	—	—	45.6 O 125.5E			
	Yushan		p	06 44.4	—	—	—	—	—	—	—	—	—	46.8 O 24.4N			
	Taichung		ep	06 44.6	—	—	—	—	—	—	—	—	—	51.4 O (H=80)			
	Alishan		ep	06 48.8	—	—	—	—	—	—	—	—	—	48.4 O			
	Hsinkong		ep	06 50.5	—	—	—	—	—	—	—	—	—	44.3 O			
	Tainan		p	06 54.5	—	—	—	—	—	—	—	—	—	47.4 O			
	Penghu		p	06 55.8	—	—	—	—	—	—	—	—	—	2.0 O			
	Lanyu		p	06 56.0	—	—	—	—	—	—	—	—	—	49.2 O			
	Kaohsiung		ep	06 59.8	—	—	—	—	—	—	—	—	—	O			
	Hengchun		ep	07 03.0	—	—	—	—	—	—	—	—	—	54.0 O			
6	Penghu	19	p	22 31 30.8	—	—	—	—	—	—	—	—	—	47.5 O			
	Hwalien		ip	31 33.0	—	32.9	+	5.0	—	90.9	2200	2800	800	2.5	1.7	2.4	6.4 III About 50 km.
	Hsinkong		ep	31 35.0	—	—	—	—	—	—	—	—	—	—	—	14.7 II SSE. of	
	Yushan		ip	31 38.4	—	—	—	—	—	—	—	—	—	—	—	9.6 III Hwalien	
	Taitung		ep	31 41.1	—	—	—	—	—	357	405	—	2.0	1.9	—	18.2 I 121.7E	
	Alishan		ip	31 44.1	+	6	—	57	—	—	—	—	—	—	—	12.7 II 23.5N	
	Ilan		ip	31 44.6	+	43	+	9	—	148	573	452	400	1.9	2.3	2.0	14.8 II (H=0)
	Taichung		p	31 44.8	—	15.2	+	24.5	—	60.6	365	—	—	2.0	—	—	16.4 I
	Tawu		ep	31 47.8	—	—	—	—	—	—	—	—	—	—	—	27.9 O	
	Lanyu		p	31 47.9	—	—	+ 200	—	—	—	—	—	—	—	—	18.4 I	
	Taipei		p	31 50.1	+	20	±	0	+	14	250	150	—	1.5	3.0	—	17.8 I
	Anpu		p	31 50.3	—	—	—	—	—	—	—	—	—	—	—	22.7 O	
	Hsinchu		ep	31 52.0	—	—	—	—	—	—	—	—	—	—	—	17.9 I	
	Tainan		p	31 56.1	—	—	—	—	—	—	—	—	—	—	—	20.4 O	
	Hengchun		p	31 57.8	—	—	—	—	—	120	119	60	—	—	—	24.6 O	
	Kaohsiung		p	32 07.5	—	—	—	—	—	—	—	—	—	—	—	19.5 O	
7	Taitung	21	p	10 37 48.1	—	—	—	—	—	—	—	—	—	—	—	5 32.5 O (d)	
	Anpu		ip	38 14.6	+	1.6	—	1.3	+	3.2	—	—	—	—	—	4 55.4 O	
8	Hengchun	23	ep	01 22 00.0	—	—	—	—	—	—	—	—	—	—	—	O (d)	

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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					
	Tainan		ep	h. m. s. 22 11.4	μ	μ	μ	μ	μ	μ	μ	s	s	s	m	s	O	
	Tawu		ep	22 12.3	—	—	—	—	—	—	—	—	—	—	—	—	O	
	Taichung		ep	22 22.0	—	—	—	—	—	—	—	—	—	—	—	—	O	
	Kaohsiung		ep	22 22.0	—	—	—	—	—	—	—	—	—	—	—	—	O	
	Anpu		p	22 3.0	—	—	—	—	—	—	—	—	—	—	4	14.0	O	
9	Anpu	27	p	03 08 21.4	1.3	—	2.6	+	1.3	—	—	—	—	—	—	3	27.6	O (d)
	Taitung		ep	08 40.9	—	—	—	—	—	—	—	—	—	—	—	3	41.1	O

Major Earthquakes Occurred in December, 1965

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	Hwalien	5	p	h. m. s. 16 31 06.4 + 70.9 +	μ	μ	μ	2400	1700	μ	600	s	s	m	3.5	III	About 43 km. SSW. of Ilan	
	Alishan		p	31 09.0 +	14 +	38	—	257	321	—	—	1.8	2.2	—	25.7	I	O 24.4N	
	Tawu		ep	31 10.6	—	—	—	—	—	—	—	—	—	—	—	11.0	O 24.4N	
	Hsinchu		ep	31 14.7	—	—	—	—	—	—	—	—	—	—	—	18.3	I 121.5E	
	Hsinkong		ip	31 14.9 — 5.3 —	8.9	—	—	158	161	—	0.1	0.1	—	—	17.2	II (H=10)		
	Yushan		p	31 17.1	—	—	—	—	—	—	—	—	—	—	—	14.4	I	
	Ilan		ip	31 17.5 — 7 —	4 +	13	1076	747	462	1.7	1.5	2.0	—	—	10.3	III		
	Taitung		ep	31 18.3	—	—	—	102	189	—	0.2	0.3	—	—	14.3	O		
	Taichung		ip	31 19.6 + 8.5 +	20.1 —	12.8	397	442	256	2.3	2.5	1.9	—	—	10.8	I		
	Anpu		p	31 20.6	—	—	—	—	—	—	—	—	—	—	—	16.4	O	
	Taipei		ip	31 22.2 — 15.0 —	6.6 —	18.0	399	345	137	1.1	1.1	1.8	—	—	11.8	II		
	Penghu		p	31 24.7	—	—	—	—	—	—	—	—	—	—	—	26.9	O	
	Tainan		p	31 28.0	—	—	—	—	—	—	—	—	—	—	—	25.4	O	
	Lanyu		p	81 34.0	—	—	—	—	—	—	—	—	—	—	—	20.5	O	
	Kaohsiung		p	31 38.0	—	—	—	—	—	—	—	—	—	—	—	20.5	O	
	Hengchun		p	31 38.5	—	—	—	75	52	40	1.6	—	—	—	—	21.5	O	
2	Anpu	22	p	19 52 10.8 — 3.3 —	1.9 +	5.2	—	—	—	—	—	—	—	—	8	47.2	O U.S.C.G.S.	
	Hwalien		p	52 17.1	—	—	—	—	—	—	—	—	—	—	—	8	53.2	O 58.4N 153.0W
	Taitung		ep	52 24.3	—	—	—	—	—	—	—	—	—	—	—	8	58.8	O Kodiak Island Region
3	Hwalien	26	ep	04 00 53.6	—	—	—	—	—	—	—	—	—	—	—	6	11.1	O U.S.C.G.S.
	Anpu		ep	0C 59.6	—	—	—	—	—	—	—	—	—	—	—	5	16.4	O 5.5s 151.4E New Britain Region

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