

*ACTIVE JAPANESE VOLCANOES.*¹

THE following list of Japanese volcanoes contains only those which are either active now, or of which records of eruptions exist, or which have evidently been active in recent times, as shown by their solfataras. The number of extinct cones is not known: especially is this the case in Yesso.

The number of known volcanoes in the Kurile Islands is 52 (of these, 12 are active); in Yesso and adjacent islands 19 (active 12); in Hondo, Kiushiu, and adjacent islands, 60 (active 24). In all there are 131, of which 48

are active. These figures are somewhat different from those ordinarily stated. The latitudes given do not claim any great accuracy, but are put in to give an approximate idea of the positions: they are taken from the best Japanese maps. The names Yama, San, Take, Nobori, are synonyms of mountain.

The active volcanoes are most numerous between 138° and 140° E. long. and the parallels 32° and 38°. It is therefore not strange that Tokio, situated within these limits, should have experienced 377 earthquake-shocks in the five years from 1876 to 1881. Dr. C. GOTTSCHÉ.

LIST OF JAPANESE VOLCANOES IN ACTIVITY.

NO.	NORTH LAT.	NAME.	A number here refers to date of last eruption.	CORRESPONDING NAMES OF OTHER AUTHORS.
<i>a. KURILE ISLANDS.</i>				
1	50° 54'	Alaid.	1793.	
2	50° 45'	Mount Ebeko, } on Poromushir.	Smoking in 1877.	
3	50° 15'	Fusspeak, }	1793.	
4	48° 53'	Mount Simnarka, on Shlaskotan.	1855.	
5	48° 16'	Raikoku.	? 1780.	
6	48° 6'	Sarytschew, on Matua.		
7	46° 29'	Chirnoi.		
8	46°	Urup.		
9	45° 30'	Moshisinayama, } on Iturup.	Smoking, according to	
10	45° 20'	Rebunshirinobori, }	Krusenstern, Langsdorf, Lütke.	
11	44° 30'	Chachatake, }		
12	44° 3'	Lousoyama, }		
<i>b. YESSO AND ADJACENT ISLANDS.</i>				
13	44°	Itashibeoni.	Solfatara.	Iwaosan.
14	43° 20'	Meakan.	Solfat.	
15	43° 3'	Yoichitake.	Smoking in 1878.	Yatsunai.
16	42° 55'	Iwanainobori.	Solfat.	Iwaosan, Iwaotake, Iwaonobori.
17	42° 40'	Tarumaitake.	1874.	Aiyama.
18	42° 40'	Usutake.	Solfat.	
19	42° 35'	Nuburibetsutake.	Solfat.	
20	42° 5'	Komagatake.	1856.	Sawaratake.
21	41° 50'	Esanyama.	Solfat.	Uchiura.
22	45° 11'	Riishiri.	Solfat.	Pic de l'Angle.
23	41° 31'	Oshima.	Smoking.	
24	41° 21'	Koshima.	Smoking.	
<i>c. MAINLAND (HONDO).</i>				
25	41° 20'	Yakeyama.		
26	40° 37'	Iwakiyama.		
27	39° 7'	Chokaisan.		
28	39° 50'	Ganjusan.		
29	37° 7'	Nazuyama.		
30	36° 50'	Shiraneyama, near Nikko.		
31	36° 40'	Shiranesan, near Kusatsu.		
32	36° 35'	Tateyama.		
33	36° 22'	Asamayama.		
34	36° 8'	Haakusan.		
35	35° 21'	Fujisan.		
36	35° 16'	Hakoneyama.		
<i>d. ISLANDS SOUTH OF HONDO.</i>				
37	34° 42'	Miharayama, on Oshima.		
38	34° 15'	Kodzushima.		
39	34° 7'	Otokoyama, on Miyakeshima.		
40	33° 7'	Hachijo.		
41	32° 34'	Aogashima.		
<i>e. KIUSHIU, AND ISLANDS SOUTH-WEST OF KIUSHIU.</i>				
42	32° 45'	Asoyama.		
43	32° 44'	Unzengatake.		
44	31° 45'	Kirishimayama.		
45	31° 33'	Mitake, on Sakurajima.		
46	30° 45'	Iwoshima.		
47	29° 39'	Suwaseshima.		
48	27° 51'	Torishima.		

¹ Extract from a letter dated Tokio, Jan. 12, 1883, communicated by Professor Jules Marcou.