

NOTICE TO MARINERS.

(No. 104 of the year 1888.)

JAPAN.

Storm Signals.

THE Japanese Government has given notice, that the following cautionary storm signals and signal stations have been established on the coasts of Japan, November, 1887:—

Cautionary Signals.

If strong wind or gales are deemed probable, at or near any of the undermentioned signal stations, cautionary signals will be hoisted at the respective stations, as follows:—

- (1.) A red ball, hoisted in the daytime; or one red light, at night; indicate that strong winds are probable from any direction.
- (2.) A red cone, point downwards (south cone, hoisted in the daytime; or three red lights, in the shape of a triangle, point downwards, at night; indicate that strong winds are probable, at first from the southward.
- (3.) A red cone, point upwards (north cone), hoisted in the daytime; or three red lights, in the shape of a triangle, point upwards, at night; indicate that strong winds are probable, at first from the northward.

All signal staffs or masts are painted red and white in bands.

Meteorological Telegrams.

In cases of approaching atmospheric disturbances, meteorological telegrams will be posted up at the signal stations, and other public places.

Orders for a signal hold good for 48 hours from the time of issue.

Signal Stations.

In the following statement, stations without remark, are fully equipped stations.

The partial equipment of a station is indicated by one or more of the letters—B (ball); C (cone); L (one red light). Thus B.C. denotes that the corresponding station has ball and cone, or day signals only, but no night signals.

1. Itsuhara, Tsu Sima, B., lat. N. (approximate) $34^{\circ} 12'$, long. E. (approximate) $129^{\circ} 16'$.
2. Toba, Owari Bay, B.L., lat. N. (approximate) $34^{\circ} 29'$, long. E. (approximate) $136^{\circ} 51'$.
3. Toyoda, Owari Bay, eastern shore.
4. Taketoyo, Owari Bay, eastern shore.
5. Tokonabe, Owari Bay, eastern shore.
6. Aono, Owari Bay, eastern shore.
7. Gifu, Owari Bay, eastern shore.
8. Kaketsuka, near Hamamatsu, lat. N. (approximate) $34^{\circ} 40'$, long. E. (approximate) $137^{\circ} 40'$.
9. Shimidzu, Suruga Gulf, lat. N. (approximate) $35^{\circ} 1'$, long. E. (approximate) $138^{\circ} 29'$.
10. Yokohama, Gulf of Tokio, lat. N. (approximate) $35^{\circ} 27'$, long. E. (approximate) $139^{\circ} 35'$.
11. Shinagawa, Gulf of Tokio, lat. N. (approximate) $35^{\circ} 37'$, long. E. (approximate) $139^{\circ} 44'$.
12. I-hinohaki, Nipon, east coast, lat. N. (approximate) $38^{\circ} 25'$, long. E. (approximate) $141^{\circ} 20'$.
13. Wakayama, Kii Channel, lat. N. (approximate) $34^{\circ} 13\frac{1}{2}'$, long. E. (approximate) $135^{\circ} 11'$.
14. Osaka, Gulf of Osaka, lat. N. (approximate) $34^{\circ} 40'$, long. E. (approximate) $135^{\circ} 29'$.
15. Kobé, Gulf of Osaka, lat. N. (approximate) $34^{\circ} 41'$, long. E. (approximate) $135^{\circ} 11'$.
16. Sakai, Gulf of Osaka, lat. N. (approximate) $34^{\circ} 35'$, long. E. (approximate) $135^{\circ} 28'$.
17. Hiroshima, Aki, B.C., lat. N. (approximate) $34^{\circ} 24'$, long. E. (approximate) $132^{\circ} 27'$.
18. Tadotsu, Sikok Island, lat. N. (approximate) $34^{\circ} 16\frac{1}{2}'$, long. E. (approximate) $133^{\circ} 45'$.

19. Onomichi, Bingo, lat. N. (approximate) $34^{\circ} 23\frac{1}{2}'$, long. (approximate) $133^{\circ} 9'$.

20. Mitsuga Hama, Sikok Island, lat. N. (approximate) $33^{\circ} 52'$, long. E. (approximate) $132^{\circ} 42'$.

21. Simonoseki, Simonoseki Strait, lat. N. (approximate) $33^{\circ} 57\frac{1}{2}'$, long. E. (approximate) $130^{\circ} 56'$.

22. Wakamatsu, Simonoseki Strait, B.L., lat. N. (approximate) $33^{\circ} 54'$, long. E. (approximate) $130^{\circ} 48\frac{1}{2}'$.

23. Kagosima, Kiusiu Island, lat. N. (approximate) $31^{\circ} 35'$, long. E. (approximate) $130^{\circ} 34'$.

24. Miike, Simabara Gulf, B.L., lat. N. (approximate) $33^{\circ} 2'$, long. E. (approximate) $130^{\circ} 28'$.

25. Saikakuminato, Kiusiu Island, eastern shore of Otono Sama Sea.

26. Nagasaki, Kiusiu Island, lat. N. (approximate) $32^{\circ} 45'$, long. E. (approximate) $129^{\circ} 52'$.

27. Hakata (Fukuoka), Kiusiu Island, lat. N. (approximate) $33^{\circ} 36'$, long. E. (approximate) $130^{\circ} 24'$.

28. Tsuruga Bay, Nipon, west coast, lat. N. (approximate) $35^{\circ} 47'$, long. E. (approximate) $136^{\circ} 3'$.

29. Sakiuri, Nipon, west coast, lat. N. (approximate) $36^{\circ} 13'$, long. E. (approximate) $136^{\circ} 10'$.

30. Kanazawa, Nipon, west coast, lat. N. (approximate) $36^{\circ} 36'$, long. E. (approximate) $136^{\circ} 40'$.

31. Kanaiwa, near Kanazawa.

32. Nanao, Nipon, west coast, lat. N. (approximate) $37^{\circ} 6'$, long. E. (approximate) $137^{\circ} 2'$.

33. Fushiki, Nipon, west coast, lat. N. (approximate) $36^{\circ} 48'$, long. E. (approximate) $137^{\circ} 5'$.

34. Higashi Iwase, Nipon, west coast, lat. N. (approximate) $37^{\circ} 10'$, long. E. (approximate) $138^{\circ} 10'$.

35. Niigata, Nipon, west coast, lat. N. (approximate) $37^{\circ} 56\frac{1}{2}'$, long. E. (approximate) $139^{\circ} 4'$.

36. Sakata, Nipon, west coast, lat. N. (approximate) $38^{\circ} 57'$, long. E. (approximate) $139^{\circ} 50'$.

37. Awomori, Tsugar Strait, B.C., lat. N. (approximate) $40^{\circ} 51'$, long. E. (approximate) $140^{\circ} 45'$.

38. Fukusima, Tsugar Strait, B.C., lat. N. (approximate) $41^{\circ} 29'$, long. E. (approximate) $140^{\circ} 15'$.

39. Kakodate, E., Tsugar Strait, lat. N. (approximate) $41^{\circ} 46'$, long. E. (approximate) $140^{\circ} 42\frac{1}{2}'$.

40. Hakodate, W., Tsugar Strait, lat. N. (approximate) $41^{\circ} 45'$, long. E. (approximate) $140^{\circ} 36'$.

41. Yesasshi, Yezo, west coast, B.C., lat. N. (approximate) $41^{\circ} 52'$, long. E. (approximate) $140^{\circ} 8'$.

42. Sutt, Yezo, west coast, B.C., lat. N. (approximate) $42^{\circ} 49'$, long. E. (approximate) $140^{\circ} 15'$.

43. Iwanai, Yezo, west coast, lat. N. (approximate) $42^{\circ} 59'$, long. E. (approximate) $140^{\circ} 32'$.

44. Oteranai, Yezo, west coast, lat. N. (approximate) $43^{\circ} 9'$, long. E. (approximately) $141^{\circ} 2'$.

45. Mori, Yezo, Volcano Bay, B.C., lat. N. (approximate) $42^{\circ} 8'$, long. E. (approximate) $140^{\circ} 42'$.

46. Simmororan, Yezo, Volcano Bay, lat. N. (approximate) $42^{\circ} 20'$, long. E. (approximate) $140^{\circ} 58'$.

47. Nemoro, Yezo, east coast, lat. N. (approximate) $43^{\circ} 20'$, long. E. (approximate) $145^{\circ} 35'$.

By command of their Lordships,

W. J. L. Wharton, Hydrographer,
Hydrographic Office, Admiralty, London,

14th April, 1888.