No. 975.—CANARY ISLANDS—GOMERA. San Cristoval Point-Light Intended.

The Portuguese Government has given notice, that on 1st December, 1903, a white group flashing light showing groups of two short flashes, at an elevation of 241 feet above high water, and visible in clear weather from a distance of 22 miles, will be established in a cylindrical tower, 19 feet high, on the east front of a rectangular dwelling, the whole structure being coloured white, erected on San Cristoval Point, the eastern extremity of Gomera Island.

The light is obscured by the land to the northward and southward, and also, when within half a mile of the coast, between the bearings of N. 52° W. and N. 42° W.

Approximate position, lat.  $28^{\circ}$   $5\frac{3}{4}'$  N., long

17° 5¾′ W.

Variation 18° Westerly in 1903.

This Notice affects the following Admiralty Charts:—Strait of Gibraltar to River Gambia, No. 1226; Cape Ghir to Garnet Head, No. 1229; Plan of Gomera Island on Chart No. 1873. Also List of Lights, Part IV, 1903, page 122; and Africa Pilot, Part I, 1899, page 162.

## No. 976.—UNITED STATES, PACIFIC COAST -OREGON.

Columbia River—Light Established.

The United States Government has given notice that, on 17th October, 1903, a red fixed light, elevated 25 feet above high water, was established on a pile beacon in the approach to Astoria, erected in a depth of 19 feet in a position from which Tansy Point pier head bears S. 69° W., distant  $15\frac{1}{2}$  cables, and Fort Columbia N. 45° W.

Approximate position, lat. 46°  $11\frac{1}{2}$ ′ N., long.  $123^{\circ}53^{\circ}$  W.

Lower Sands is the name given to the above light.

[Variation 22° Easterly in 1903.]
This Notice affects the following Admiralty Chart: -Columbia River, No. 2839; Also, List of Lights, Part VII, 1903, page 68; Sailing Directions for the West Coasts of Central America, &c., 1896, page 420; and Supplement, 1901, page 43.

977.—UNITED STATES, ATLAN COAST, MASSACHUSETTS—BOSTON ATLANTIC

HARBOUR APPROACH. The Graves—Lighthouse Building.

1. The United States Government has given notice, dated 5th November, 1903, that a light-Fig. The United States Government has house is in course of construction on the Graves Rocks, in the approach to Boston Harbour. The tower, of very light grey granite, cylindrical in form, has been completed to a height of 38 feet above high water, but the work has now been suspended for the winter.

No light will be shown from this tower until it is finished. Further notice will be given as

necessary.

Approximate position, lat. 42° 22' N., long. 70° 52' W.

This Notice affects the following Admiralty Charts:—Boston Bay and approaches, No. 1227; Boston Harbour, No. 1516. Also, List of Lights, Part VIII, 1903, page 112; and Sailing Directions for the East Coast of the United States, 1899, page 293.

No. 978.—ENGLAND, SOUTH COAST-FALMOUTH.

St. Anthony Point—Subsidiary Light-Altered, With reference to Notices to Mariners Nos. 594 and 822 of 1903:-

The Trinity House, London, has given further notice, dated 14th November, 1903, that the

white fixed subsidiary light on St. Anthony Point, Falmouth, has been transferred from the lighthouse to a white hut erected about 20 feet south-eastward of the base of the lighthouse tower. The new light is elevated 23 feet above high water, and is visible in clear weather from a distance of 10 miles between the bearings of N. 4° E. and N. 23° E. and obscured in other directions, the light power being 16,009 candles.

Approximate position, lat. 50° 8½' N., long. 5° 1' W.

[Variation 18° Westerly in 1903.]

This Notice affects the following Admiralty Charts:-English Channel, Nos. 1598, 2675a; Lizard Head to Start Point, No. 442; Trevose Head to Dodman Point, No. 2565; St. Agnes Head to Gerrans Bay, No. 777; Approaches to Falmouth, No. 154; Falmouth Harbour, No. 32. Also, List of Lights, Part I, 1903, No. 15; and Channel Pilot, Part I, 1900, page 89.

## No. 979.—BALTIC ENTRANCE—THE KATTEGAT.

Anholt Island-Wreck no longer Dangerous, Buoy Withdrawn.

With reference to Notice to Mariners No. 850 of 1903:-

The Danish Government has given further notice, dated 11th November, 1903, that there is now a depth of  $7\frac{1}{2}$  fathoms over the wreck, situated about 12 miles N. 18° W. from Anholt Light-vessel; it is therefore no longer a danger to navigation, and consequently the green wreck buoy, showing a green flashing light every fifteen seconds, has been withdrawn.

Approximate position, lat. 56° 56¼ N., long.

11° 41¼′ E.

Variation 10° Westerly in 1903.]

This Notice affects the following Admiralty Chart:—The Kattegat, No. 2114. Also, Baltic Pilot, Part I, 1895, page 193.

## No. 980.—SPAIN, SOUTH COAST—MAJORCA ISLAND.

Palma Harbour—Character of Light Altered.
The Spanish Government has given notice. that on 1st November, 1903, the character of the light on the head of the eastern Mole Palma would be altered from red fixed to a white group occulting light every twelve seconds, thus:-Light, nine seconds; eclipse, one second; light, one second; eclipse, one second; light, eleven seconds; eclipse, one second. It is elevated 61 feet above the sea, and visible in clear weather from a distance of 9 miles. It is exhibited from an octagonal tower, about 38 feet above the ground, rising from a circular flat-roofed dwelling, the whole structure being grey in colour.

Approximate position, lat. 39° 33½′ N., long.

2° 38' E.

Note.—The exact periods of light and eclipse cannot be guaranteed, but the character of two eclipses, followed by one eclipse, sufficiently

distinguishes this light.

This Notice affects the following Admiralty Charts:—Alicante to Palamos, No. 1187; Majorca, &c., No. 1317; Dragonera Island to Carril Bay, No. 2428; Plan of Palma Harbour on Chart, No. 3036. Also, List of Lights, Part V, 1903, No. 103; and Mediterranean Pilot, Vol. I, 1894, page 179.

> By command of their Lordships, W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London, 21st to 23rd November, 1903.