

has given notice, dated 14th February, 1890, that a harbour light is now exhibited from a pole placed on the northern side of Pahang River entrance, east coast of Malay Peninsula.

The light at Pahang River entrance is a fixed red light, elevated 22 feet above the sea, and should be visible in clear weather from a distance of about 5 miles.

Position, approximate; lat. $3^{\circ} 32' 30''$ N., long. $103^{\circ} 27' 20''$ E.

(2.) *Kuantan River—Harbour Light at Entrance.*

Also, of the same date, that a harbour light is now exhibited from a pole placed on the southern side of Kuantan River entrance, east coast of Malay Peninsula:—

The light at Kuantan River entrance is a fixed white light, elevated 25 feet above the sea, and should be visible in clear weather from a distance of about 6 miles.

Position, approximate, lat. $3^{\circ} 50' 0''$ N., long. $103^{\circ} 20' 0''$ E.

This notice affects the following Admiralty Charts:—China Sea, southern portion, No. 2660a; Gulf of Siam, No. 2414; Pahang and Kuantan River entrances, No. 1394. Also, Admiralty List of Lights in South Africa, &c., 1890, page 80; and China Sea Directory, Vol. II, 1889, pages 77, 78.

No. 143.—PACIFIC STATION.

NORTH AMERICA—WEST COAST.—CALIFORNIA—
SAN FRANCISCO HARBOUR.

*Oakland Harbour Entrance—Alteration in
Character of Fog Signal.*

WITH reference to Notice to Mariners, No. 54 of 1890, on the establishment of a fog signal at a lighthouse recently erected in a depth of about 10 feet, about one cable westward of the extremity of Oakland Harbour north jetty, eastern side of San Francisco Harbour:—

The United States Government has given further notice, that on or about 31st March, 1890, the following alteration will be made in the character of the fog signal:—

During thick and foggy weather, the fog bell at Oakland Harbour entrance will be struck by machinery once (single blow) every five seconds.

Position, latitude $37^{\circ} 47' 55''$ N., longitude $122^{\circ} 19' 55''$ W.

This Notice affects the following Admiralty Plan:—San Francisco Harbour, No. 591. Also, Admiralty List of Lights in South America, &c., page 36.

No. 144.—MEDITERRANEAN STATION.

MEDITERRANEAN.—GRECIAN ARCHIPELAGO—
MITYLENI.

Sigri Island—Re-Exhibition of Permanent Light.

WITH reference to Notice to Mariners, No. 396 of 1889, that the illuminating apparatus of the light on Sigri Island, west coast of Mityleni, had been destroyed by an earthquake; and that a provisional light would be exhibited:—

The Ottoman Government has given further Notice, that on 30th March, 1890, the permanent light will be re-exhibited:—

Sigri Island Light will be a flashing white light every thirty seconds, elevated 180 feet above the sea, and should be visible in clear weather from a distance of 24 miles. The eclipses are not total within the distance of 10 miles.

Position, lat. $39^{\circ} 13' 0''$ N., long. $25^{\circ} 51' 0''$ E.

This Notice affects the following Admiralty Charts:—Mityleni, No. 1665; Grecian Archipelago, with plan of Port Sigri, No. 2836b; Port Sigri, No. 1671. Also, Admiralty List of Lights

in the Mediterranean, 1890, No. 815; and Mediterranean Pilot, Vol. IV, 1882, page 218.

No. 145.—MEDITERRANEAN, EAST INDIES, CHINA, AND AUSTRALIA STATIONS.

IMBROS.

Fixed Lights on Cape Kephalo.

ALSO, has given notice, that on the 30th March, 1890, two lights will be exhibited on the extreme of Cape Kephalo, east coast of Imbros:—

Cape Kephalo Lights will be two fixed white lights, placed vertically; the upper light will be elevated 128 feet above the sea, and should be visible in clear weather from a distance of 10 miles.

Position, approximate, on Admiralty Charts, lat. $40^{\circ} 9' 20''$ N., long. $26^{\circ} 0' 35''$ E.

This Notice affects the following Admiralty Charts:—Mediterranean Sea, Nos. 449, 2158b; Grecian Archipelago, No. 2836b; Thaso Island to Dardanelles, No. 1087; Sea of Marmara, No. 224; Entrance of the Dardanelles, No. 1608. Also, Admiralty List of Lights in the Mediterranean, 1890, No. 808a; and Mediterranean Pilot, Vol. IV, 1882, page 241.

No. 146.—MEDITERRANEAN, EAST INDIES, CHINA, AND AUSTRALIA STATIONS.

MEDITERRANEAN.—BAY OF TUNIS.

Goletta—Moles and Harbour Lights.

THE following information has been received from Commander His Serene Highness Prince Louis of Battenberg, G.C.B., Her Majesty's ship "Scout," relative to moles and harbour lights at Goletta, Bay of Tunis:—

The eastern mole at Goletta has been extended about one cable in a south-easterly direction. A new mole has been constructed of loose stones, the outer extreme of which, marked by a stake, bears S.W. by W. $\frac{1}{2}$ W. $1\frac{1}{4}$ cables from the outer extreme of the eastern mole; from the stake, the new mole extends in a straight line to the beach (N.W. $\frac{1}{2}$ W.), a distance of about four cables.

In addition to the fixed red light previously shown from the eastern mole at Goletta, a fixed red light, visible in clear weather from a distance of two miles, is now exhibited from a pole about 20 feet high, near the end of the extension of that mole; and a fixed white light, visible in clear weather from a distance of about 2 miles, is shown from a pole, about 15 feet high, near the end of the new mole.

[Variation 11° Westerly in 1890.]

This Notice affects the following Admiralty Plan:—Bay and Lake of Tunis, No. 1184. Also, Admiralty List of Lights in the Mediterranean, 1890, No. 1110; and Mediterranean Pilot, Vol. I, 1885, pages 258, 260.

No. 147.—MEDITERRANEAN, EAST INDIES, CHINA, AND AUSTRALIAN STATIONS.

SICILY.—SOUTH-EAST COAST.

Cozzo Spadaro Light—Arc of Visibility.

THE following information has been received relative to the arc of visibility of Cozzo Spadaro Light, near Cape Passaro, south-east coast of Sicily:—

Cozzo Spadaro Light, fixed and flashing white, is visible through an arc of 285° , or from the bearing of S. 76° E., through west to S. 1 E.

[Variation 9° Westerly in 1890.]

This Notice affects the following Admiralty