

broad, extends from the west and south-west coasts of Amsterdam Island. This reef expands considerably to the southward, and stretches out from the land to a distance of $2\frac{1}{2}$ miles. Great care is therefore necessary in approaching this island (which is low) from the southward.

Approximate position, lat. $0^{\circ} 22\frac{1}{2}'$ S., long. $132^{\circ} 7' E.$

This Notice affects the following Admiralty Chart:—Eastern Archipelago, No. 942*b*. Also, Eastern Archipelago, Part I, 1890, page 474.

No. 415.—ENGLAND—BRISTOL CHANNEL.

Submarine Mining Operations between Barry and Sully Island.

INFORMATION, dated July 8th, 1898, has been received from the War Office that, between July 31st and August 14th, 1898, submarine mining operations will take place inshore of a line drawn between the south-east point of Sully Island and the east pier head at Barry, the limits of the mining field being marked by cylindrical green buoys with white vertical stripes.

Vessels are cautioned not to enter this area.

Approximate position, Barry Island East pier head, lat. $51^{\circ} 23' 30'' N.$, long. $3^{\circ} 15' 20'' W.$

No. 416.—SUMATRA—WEST COAST.

(1.) *Pulo Katang Katang—Intended Flashing Light.*

THE Netherlands Government has given notice that, during August, 1898, a flashing light of the 4th order would be exhibited on Pulo Katang Katang.

Katang Katang Light will show a white flash of five seconds duration every thirty seconds, elevated 65 feet above high water, and visible in clear weather from a distance of 13 miles.

Approximate position, lat. $1^{\circ} 55' 0'' S.$, long. $100^{\circ} 35' 15'' E.$

(2.) *Sungi Bramei—Alteration in Light.*

Also that, during the same month, the period of Sungi Bramei Light would be altered from thirty to five seconds, and will in future show one short white flash of great power every five seconds.

During alterations a provisional white fixed light of the 6th order will be exhibited.

Approximate position, lat. $1^{\circ} 2' 40'' S.$, long. $100^{\circ} 22' 10'' E.$

This Notice affects the following Admiralty Charts:—(1) Acheh Head to Tyngkok Bay, No. 2760; Tyngkok Bay to Sunda Strait, No. 2761; (1) and (2) Priaman to Ujong Indrapura, No. 709; (2) Koninginne Bay, &c., No. 212. Also, List of Lights, Part VI, 1898, page 74, No. 459; and China Sea Directory, Vol. I, 1896, pages 306, 302.

No. 417.—MEDITERRANEAN—GREECE.

Gerolimena, Limeni, Petalidi, Koroni—Harbour Lights Established.

THE Greek Government has given notice that, on and after 13th July, 1898, the following harbour dioptric lights, visible in clear weather about 5 miles, would be exhibited:—

1. Gerolimena is a red fixed light, elevated 56 feet above the sea, and shown from a dwelling about 21 feet high.

Approximate position, lat. $36^{\circ} 27' 30'' N.$, long. $22^{\circ} 24' 55'' E.$

2. Limeni is a red fixed light, elevated 42 feet above the sea, and shown from a dwelling about 21 feet high.

Approximate position, lat. $36^{\circ} 40' 25'' N.$, long. $22^{\circ} 23' 0'' E.$

3. Petalidi is a red fixed light, elevated 24 feet above the sea, and shown from an iron shed 19 feet high.

Approximate position, lat. $36^{\circ} 57' 20'' N.$, long. $21^{\circ} 56' 25'' E.$

4. Koroni is a red fixed light, elevated 23 feet above the sea, and shown in place of former light at the mole head from a metal pole 19 feet high.

Approximate position, lat. $36^{\circ} 47' 50'' N.$, long. $21^{\circ} 58' 0'' E.$

This Notice affects the following Admiralty Charts:—Venetico to Cape Malea, No. 1685; West Coast of Morea, No. 207; Gulf of Kalamata, No. 682. Also, List of Lights, Part V, 1898, page 164, No. 955; and Mediterranean Pilot, Vol. III, 1890, pages 452, 448; and Supplement, 1894, relating to that work, page 30.

No. 418.—EASTERN ARCHIPELAGO—SALAYAR STRAIT.

Pamatata Island—Light Exhibited.

THE Netherlands Government has given notice that, on and after July 1st, 1898, a fifth order light would be exhibited on the north coast of Pamatata Island.

Pamatata is a white fixed light, elevated 148 feet above high water, and visible in clear weather from a distance of 18 miles.

Approximate position, lat. $5^{\circ} 43' S.$, long. $120^{\circ} 28' E.$

The character of this light will be altered, of which further notice will be given.

This Notice affects the following Admiralty Chart:—Eastern Archipelago, Sheet 2, No. 941*b*. Also, List of Lights, Part VI, 1898, No. 540; and Eastern Archipelago, Part II, 1893, page 345.

No. 419.—BRAZIL—MACAHÉ.

Moleque Island—Rocks South-Eastward of Island.

FROM a recent publication by the German Government, it appears on the authority of Captain Schoemaker, of the German barque "Carl," that a rock (Mula Rock) with half a fathom least water on it exists about 3 cables south-eastward of Moleque Island; it is about 50 feet in diameter, and usually breaks when there is any swell. From the rock, Moleque Island bears N. $17^{\circ} W.$, distant nearly $3\frac{1}{2}$ cables, and the hill, 138 feet high, over the south point of Imbitiba Bay N. $72^{\circ} W.$

Approximate position, lat. $22^{\circ} 24' 15'' S.$, long. $41^{\circ} 44' 50'' W.$

A reef of rocks, having three shoal heads with half a fathom least water on them, extends half a cable south of Moleque Island.

Vessels should not pass between Moleque Island and Mula Rock, as it is probable more rocks exist.

[Variation 10° Westerly in 1898.]

This Notice affects the following Admiralty Chart:—Plan of Macahé on No. 530. Also, South America Pilot, Part I, 1893, page 157.

No. 420.—UNITED STATES—NEW YORK.

Sandy Hook Light-Vessel Temporarily Replaced.

THE United States Government has given Notice that, on or about 12th July, 1898, the light-vessel No. 51, moored off Sandy Hook, eastward of Gedney Channel, would be temporarily replaced by relief light-vessel No. 16.

Sandy Hook temporary light-vessel shows a white flashing light (not electric) every fifteen seconds, visible in clear weather from a distance of 10 miles. If the flashing apparatus is disabled, a fixed light will be shown.