

end of Eastern Shoal, in the approach to ports Augusta and Pirie.

Approximate position, lat. $33^{\circ} 41' S.$, long. $137^{\circ} 48' E.$

Further notice will be given when the particulars of this light are known.

This Notice affects the following Admiralty Charts:—St. Vincent and Spencer Gulfs, No. 2389b; Wood Point to Lowly Point, No. 403. Also, List of Lights, Part VI, 1902, page 188; Australia Directory, Vol. I, 1897, page 249; and Supplement, 1900, page 13.

No. 541.—BAL TIC, GULF OF BOTHNIA—WEST QUARKEN.

Vegas Grund—Existence of.

The Swedish Government has given notice, dated 6th August, 1902, of the existence of a rocky shoal named Vegas Grund, with a depth of $4\frac{1}{2}$ fathoms over it, in West Quarken approach, in lat. $63^{\circ} 31' 50'' N.$, long. $20^{\circ} 27' 40'' E.$

This Notice affects the following Admiralty Charts:—Gulf of Bothnia, No. 2252; Stierne Point to Fiäde-äg, No. 2300. Also, Baltic Pilot, Part II, 1896, page 384; and Supplement, 1900, page 46.

No. 542.—SCOTLAND—WEST COAST.

Sound of Iona—Rock Reported, Buoys.

With reference to Notice to Mariners No. 446 of 1901:—

The Commissioners of Northern Lighthouses have given notice, dated 11th August, 1902, of the existence of a rock, with a depth of 9 feet over it at low-water springs, situated about $1\frac{1}{2}$ cables north-eastward from Bona Sliginach, in the Sound of Iona. It is marked by a red conical buoy moored in a depth of 3 fathoms with the Free Church on Iona Island bearing $N. 41^{\circ} W.$, distant $5\frac{1}{2}$ cables, and northern extreme of Liath Eilean $N. 37^{\circ} E.$

Also, that the rock situated about $3\frac{3}{4}$ cables $S. 41^{\circ} E.$ from the Free Church on Iona is now marked by a spherical buoy surmounted by a staff and diamond, and painted in black and white horizontal bands, and moored with Iona Free Church bearing $N. 42^{\circ} W.$, distant $4\frac{1}{2}$ cables, and northern extreme of Liath Eilean $N. 44^{\circ} E.$

Approximate position, lat. $56^{\circ} 19\frac{1}{2}' N.$, long. $6^{\circ} 23' W.$

The red can buoy formerly marking this rock on its south-western side has been withdrawn.

[Variation 21° Westerly in 1902.]

This Notice affects the following Admiralty Chart:—Sound of Iona, No. 2617. Also, Sailing Directions for the West Coast of Scotland, 1894, page 192.

No. 543.—NEWFOUNDLAND, EAST COAST—FOGO ISLAND.

Tilton Harbour—Light Established.

The Government of Newfoundland has given notice, dated 16th July, 1902, that a red fixed light, elevated 91 feet above high water, has been established in a square wooden tower, 17 feet high and painted white, erected on a hill, locally known as Sloan's Hill, on the western side of the entrance to Tilton Harbour.

Approximate position, lat. $49^{\circ} 42\frac{1}{2}' N.$, long. $54^{\circ} 3\frac{1}{2}' W.$

This light is exhibited annually for the use of small fishing boats from the 1st June to 31st October.

This Notice affects the following Admiralty Charts:—Newfoundland, No. 232b; Gander Bay to Cape Bonavista, No. 293. Also, List of Lights, Part VIII, 1902, page 6; and Newfoundland, &c., Pilot, 1897, page 326.

No. 544.—NEWFOUNDLAND—SOUTH COAST.

Ramea Islands—Light Established.

The Government of Newfoundland has given notice that on 1st August, 1902, a white occulting light every three seconds, thus:—light one and a half seconds, eclipse one and a half seconds, would be established on North-West Head, North West Ramea Island; it is elevated 125 feet above high water, and visible in clear weather from a distance of 16 miles, excepting when obscured by the land to the eastward, and is shown from an iron cylindrical tower, 35 feet high, painted spirally in red and white bands, with white dwelling attached.

Approximate position, lat. $47^{\circ} 30\frac{1}{2}' N.$, long. $57^{\circ} 24\frac{1}{2}' W.$

This Notice affects the following Admiralty Charts:—St. Johns to Halifax, No. 2666; Gulf of St. Lawrence, No. 2516; Newfoundland, No. 232a; Richards Harbour to Ramea Islands, No. 2141; Ramea Islands to Indian Harbour, No. 2142. Also, List of Lights, Part VIII, 1902, page 14; and Newfoundland, &c., Pilot, 1897, page 179.

No. 545.—NORTH SEA—JUTLAND.

Thybo Rön—Fairway Buoy replaced by Whistle Buoy.

The Danish Government has given notice, dated 6th August, 1902, that the Thybo Rön buoy (conical, red and white stripes, surmounted by ball) at the entrance to Liimfiord will shortly be replaced by a whistle buoy.

Approximate position, lat. $56^{\circ} 43\frac{1}{2}' N.$, long. $8^{\circ} 11' E.$

This Notice affects the following Admiralty Charts:—Baltic, No. 2842a; North Sea, No. 2182b; Liimfiord, No. 2325. Also, North Sea Pilot, Part IV, 1901, page 245.

No. 546.—NORTH SEA—DENMARK.

Horns Reefs, and Vyl Shoal—Intended Alteration in Fog Signals.

The Danish Government has given notice that, on 1st October, 1902, the fog signals on board the Horns Reefs and Vyl Shoal Light-vessels will be altered as follows:—

a. The fog siren on Horns Reefs Light-vessel will give one blast of five seconds duration every minute instead of every two minutes as at present.

Approximate position, lat. $55^{\circ} 34' N.$, long. $7^{\circ} 20' E.$

b. The fog siren on Vyl Shoal Light-vessel will give two blasts, each blast being of three seconds duration, in succession every minute, instead of every two minutes as at present.

Approximate position, lat. $55^{\circ} 23' N.$, long. $7^{\circ} 45' E.$

This Notice affects the following Admiralty Charts:—North Sea, No. 2182b; Eider River to Blaavand Point, No. 1887. Also, List of Lights, Part II, 1902, Nos. 453, 451; and North Sea Pilot, Part IV, 1901, page 239.

No. 547.—SOUTH AUSTRALIA—PORT ADELAIDE RIVER APPROACH.

Wonga Shoal Lighthouse—Fog Gong Established.

The Government of the State of South Australia has given notice, dated 17th June, 1902, that during thick or foggy weather a gong will be sounded for the space of half a minute, at intervals of five minutes, at the lighthouse on Wonga Shoal.

Approximate position, lat. $34^{\circ} 50\frac{1}{2}' S.$, long. $138^{\circ} 27' E.$