

light will flash 40 times per minute and will be exhibited from an open ironwork tower painted red, fixed on four wooden piles in 7 ft. L.W.S.T. Red sectors will show between the bearings 126° (S. 57° 41' E. mag.) and 141° (S. 42° 21' E. mag.) and over Fairway Rock from 22° (N. 18° 39' E. mag.) to 37° (N. 33° 39' E. mag.); the light will be obscured between the red sectors over the land to the westward. The focal plane will be 17 ft. above H.W. and should be visible 6 miles in fine weather.

Approx. position: Lat. 32° 44' 40" S., long. 134° 14' E.
This affects Admiralty Chart No. 1061.

WEST AUSTRALIA.

CAMBRIDGE GULF.—CHANNEL ROCK.—The beacon marking these rocks has disappeared. Chart affected, No. 1388.

KING SOUND.—POINT TORMENT, ELBOW SHOAL.—The two black buoys north of this shoal have been removed. Chart affected, No. 1052.

PORT HEDLAND.—Outer Bar.—In crossing this bar deeper water has been obtained by keeping the leading beacons open, slightly either east or west.

Middle Ground.—This has shoaled considerably of late years. The dry portion of the bank has extended as a narrow ridge to the north and westward of buoy. Vessels should round buoy fifty yards off.

The single pile beacon (red) off Harriet Point has disappeared. Chart affected, No. 1437.

ONSLÖW, ASHBURTON ROADS.—The stake beacon on spit at entrance to Ashburton River has disappeared. Chart affected, No. 3152.

HAMELIN BAY.—Buoys marking channel and mooring-buoys have been removed. Charts affected, Nos. 1472, 1054.

SHOALS.—The discovery of the following shoals is reported by H.M.S. "Fantome":—

Shoals between James Price Point and Station Hill.

(1.) A chain of shoals of less than 5 fathoms at L.W.O.S., of irregular shape, running in a N.N.E.'ly direction 13 cables from the shoalest part, which has a least depth of 12 ft. over it at L.W.O.S. and lies 330½° (N. 32° W. mag.) 3-88 miles from Gantheaume Point light, and 273¼° (N. 88° W. mag.) 4-02 miles from Station Hill. In between these shoals are depths of 6 to 7 fathoms.

(2.) A small coral head with a depth of 32 ft. at L.W.O.S. is situated 324° (N. 37¼° W. mag.) 5-50 miles from Gantheaume Point light and 283¼° (N. 78° W. mag.) 5-50 miles from Station Hill. This shoal is surrounded by depths of 6 to 7 fathoms.

(3.) A small coral head with a depth of 32 ft. at L.W.O.S. is situated 338¼° (N. 23° W. mag.) 5-32 miles from Gantheaume Point light and 294¼° (N. 67° W. mag.) 4-40 miles from Station Hill. This shoal is surrounded by depths of 6 fathoms.

(4.) A small coral head with a depth of 32 ft. at L.W.O.S. is situated 329° (N. 32½° W. mag.) 11-79 miles from Gantheaume Point light and 310¼° (N. 51° W. mag.) 10-74 miles from Station Hill. This shoal is surrounded by depths of 6 to 8 fathoms.

(5.) A small coral head with a depth of 33 ft. at L.W.O.S. is situated 320° (N. 41½° W. mag.) 9-65 miles from Station Hill and 339° (N. 22¼° W. mag.) 11-32 miles from Gantheaume Point light. This shoal is surrounded by depths of 7 to 8 fathoms.

(6.) A shoal of sand and coral with a depth of 26 ft. at L.W.O.S. is situated 190¼° (S. 9° W. mag.) 11-25 miles from the 87 summit on James Price Point, and 337° (N. 24½° W. mag.) 15-65 miles from Station Hill. From this head the shoal extends in a nor'-easterly direction 1½ cables, in an easterly direction 1½ cables, in a southerly direction 1½ cables, and has depths of 4½ to 5 fathoms. It is surrounded by depths of 6 to 7 fathoms.

(7.) A small shoal of sand and coral having a depth of 30 ft. at L.W.O.S. is situated 212½° (S. 31° W. mag.) 10-92 miles from the 87 summit on James Price Point, and 329° (N. 32½° W. mag.) 19-00 miles from Station Hill. From this head the shoal extends in a nor'-easterly direction for one cable. It is surrounded by depths of 6 to 10 fathoms.

Shoals near James Price Point.

(8.) A shoal of sand and coral with a depth of 24 ft. at L.W.O.S. is situated 285° (N. 76¼° W. mag.) 2-27 miles from the 87 summit on James Price Point, and 202¼° (S. 21° W. mag.) 7-56 miles from the 97 summit just south of Coulomb Point. The 5-fathoms line surrounding the shoal extends 285° (N. 76¼° W. mag.) 2-77 miles from the above-mentioned 87 summit, 9 cables south, and 3 cables north from the above-mentioned 24 ft.

A depth of 30 ft. sand and coral at L.W.O.S. is situated 244° (S. 62½° W. mag.) 2-88 miles from the 87 summit on James Price Point, and 200° (S. 19¼° W. mag.) 9-44 miles

from the 97 summit just south of Coulomb Point. The 5-fathom line surrounding this shoal lies 4 cables in a north-and-south direction and 3 cables in an east-and-west direction from this head.

A depth of 28 ft. sand and coral at L.W.O.S. is situated 231¼° (S. 50° W. mag.) 3-36 miles from the 87 summit on James Price Point and 199° (S. 17¼° W. mag.) 10-2 miles from the 97 summit just south of Coulomb Point. The 5-fathom line surrounding this shoal lies 1 cable west, 2 cables east, 1 cable north, and 1 cable south from this head.

QUEENSLAND.

BRISBANE RIVER.—ENTRANCE CUTTING.—ADDITIONAL BEACONS AND LIGHTS AND REMOVAL OF THE FLOATING LIGHT.—Notice is hereby given that, on and after 2nd October, two additional beacons will be erected to further mark the Bar cutting similar to the existing beacons. They will be placed in a depth of 18 ft. at L.W.S., distant 10,000 ft. from the pile light, and each one will be 350 ft. from the centre-line of the cutting.

The beacons will be carried on a skeleton steel frame with red and black topmarks respectively, and a small white light will be exhibited at night from each beacon. Temporary lights are now being exhibited during construction.

On and after the date named the floating light near the pile light will be discontinued, and the white light formerly shown from the west beacon—i.e., the innermost red beacon marking the Bar cutting—will be again exhibited.

Charts affected: Nos. 1670B, 1674, and 1029. "Australia Directory," Vol. ii.

HAWAIIAN ISLANDS.

OAHU ISLAND.—KANEHOE BAY.—RANGE-LIGHTS ESTABLISHED.—On 1st August, 1914, two range-lights known as the Mokolii range-lights, were established by the Hawaiian Development Co. (Ltd.) at Kaneohe Bay, north-east coast of Oahu Island, Hawaiian Islands.

The front light is fixed red, of about 20 candle-power, exhibited about 25 ft. above the water from a white mast, on the bearings—

Mokolii Island	40°
Mokumani Island, left tangent	97°
Ohulehule Peak	316°

The rear light is fixed red, of about 20 candle-power, exhibited about 65 ft. above the water from a white mast, bearing 241° 30' from the front light, on the bearings—

Mokolii Island	42°
Mokumani Island, left tangent	96°
Ohulehule Peak	322°

These lights are exhibited on nights when steamers are expected.

WASHINGTON.

WILLAPA BAY LIGHT.—CHARACTERISTIC CHANGED.—INTENSITY INCREASED.—On 15th August, 1914, the characteristic of Willapa Bay light was changed from fixed white varied by a white flash every 2 minutes to fixed white varied by a white flash every 20 seconds.

The luminous power of the fixed light was increased to 2,900 candles, and that of the flash to about 12,000 candles, by changing the illuminant from oil to incandescent oil vapour.

Approx. position: Lat. 46° 43' N., long. 124° 4' 25" W.

SOUTH PACIFIC OCEAN.

SAMOA ISLANDS.—TUTUILA ISLAND.—ROCK DISCOVERED.—FURTHER INFORMATION.—Information has been received from the commanding officer of the U.S.S. "Princeton" that a dangerous submerged rock has been discovered off Round Bluff, between Aunu'u Island and Pago Pago Harbour, the rock bearing 147° from the bluff, distant 2,600 ft. from the point of tangency.

This rock is 20 ft. in extent, with 11 ft. of water over it, and rises at a sharp angle from a depth of 20 fathoms on the southern side and drops precipitately to a depth of 12 fathoms on the northern side.

AUSTRALIA, NORTH COAST.—TORRES STRAIT.

FLINDERS PASSAGE.—DECREASED DEPTHS.—Position: Scott Rock, lat. 10° 33½' S., long. 142° 18¼' E. Details: An examination of the portion of Flinders Passage, southward of Scott Rock and Chapman Reef, has disclosed a general decrease in depths. Charts affected, Nos. 691, 437, 2375, and 2354. Note: Chapman Reef dries 2 ft.

CHINA, EAST COAST.—YANG TSE KIANG.

ANKING REACH, LANG-KIANG-KI.—EXISTENCE OF A ROCK.—Position: At a distance of 2 miles and 1¼ cables, 211° (S. 33° W. mag.) from Taitzechi light-beacon. Lat. 30° 35½' N., long. 117° 11¼' E. Depth: 5 ft. Description: A pinnacle rock. Variation: 2° W.