Expeditions to occupy the Faroe Channel. On the representations of Murray and Tizard, H.M.S. "Knight Errant" in 1880, Murray and and H.M.S. "Triton" in 1882, were engaged in re-examining Tizard.

The "Knight Errant." Wyville Thomson Ridge, which separates the warm and cold The "Triton." areas, and accounts for the great difference in the marine faunas Wyville in the deep water on either side of this ridge. Detailed lists of Ridge. the animals obtained by these four expeditions were published in a paper by Murray,1 who shows that 216 species and varieties were recorded from the warm area, and 217 species and varieties from the cold area, while only 48 species and varieties were found to be common to the two areas.

From 1880 to 1883 the French ships "Travailleur" and The "Talisman" investigated the eastern Atlantic, while from 1881 "Travailleur." to 1885 the Italian ships "Washington" and "Vettor Pisani," "Talisman." the former in the Mediterranean and the latter during a ington." circumnavigating cruise, were engaged in biological and other The "Vettor Pisani." scientific work.

In 1883 J. Y. Buchanan took part in the sounding expedi- J. Y. tion of the S.S. "Dacia," belonging to the India-Rubber, Buchanan. The "Dacia." Gutta-Percha, and Telegraph Works Company, of Silvertown, when surveying the route for a submarine cable from Cadiz to the Canary Islands, which resulted in the discovery of several oceanic shoals rising steeply from deep water; and again in 1885-86 he joined the same company's S.S. "Buccaneer" while The exploring the Gulf of Guinea, accompanied by a trained natural- "Buccaneer." ist, John Rattray, when valuable observations as to the depth, John Rattray. temperature, density, currents, and plankton were made.

During the years 1883 to 1886 the U.S.S. "Enterprise" The "Enterbrought together a most important collection of deposit-samples prise." taken throughout a cruise embracing all the great oceans.

From 1884 to 1892 Murray investigated the sea-lochs John Murray. along the west coast of Scotland on board his steam-yacht, the "Medusa," and discovered in the deeper waters of Loch Etive The "Medusa." and Upper Loch Fyne remnants of an Arctic fauna. The physical results obtained were used by Mill in his Memoir on H. R. Mill. the Clyde Sea Area.2

Since the year 1885 the Prince of Monaco has carried on Prince of oceanographical work in a systematic manner in the Mediter- Monaco.

^{1 &}quot;The Physical and Biological Conditions of the Seas and Estuaries about North Britain," Proc. Phil. Soc. Glasgow, vol. xvii. p. 306, 1886. ² Trans. Roy. Soc. Edin., vols. xxxvi. and xxxviii., 1891, 1894.