

Habitat.—South of Japan, Station 235; depth, 365 fathoms. One specimen, female.

Raja circularis, Couch.

Of the Sandy Ray, only one specimen, a female, 15 inches long, was obtained on the cruise of the "Triton" in the Farøe Channel, at a depth of 516 fathoms (Station 10, August 24, 1882). Also Collett¹ reports its occurrence in 130 and 370 fathoms off the coast of Norway.

The Farøe specimen does not differ in its armature from specimens obtained on the south coast of England, only the spines on the upper side of the snout and the interorbital space are somewhat more developed, though in this respect littoral specimens show likewise some variation.

With regard to colour, it is notable that the spot on each side of the back which, in littoral specimens, is variegated with yellow, is much smaller in the deep-sea specimen, and uniformly black, without yellow. The lower parts are nearly uniform blackish-brown, which colour laps over to the upper side of the ventral fins. Tail with irregular brownish cross-bands.

Raja radiata, Donovan.

This species, which is widely distributed on the coasts of Northern Europe and North America, has been met with in the sea between Bear Island and Spitzbergen at depths of from 127 to 259 fathoms;² and in Thronthjem Fjord in 250 fathoms.³

Raja hyperborea (Pl. IV.).

Raja hyperborea, Collett, Forhandl. Vidensk. Selsk. Christ., 1878, p. 7; Norsk. Nordh. Exped. Zool. Fisk., p. 9, pl. i.

The margins of the snout form a right or a nearly right angle, its extremity being rounded; the margin of the body between the snout and the extremity of the pectoral fin is undulated. Width of the interorbital space considerably exceeding that of the orbit and spiracle; eye rather small, about as long as the spiracle. Distance between the nostrils a little more than their distance from the end of the snout. Teeth very slender, acutely pointed, widely set with narrow base. Outer pectoral angle nearly a right one.

Sides of the trunk nearly smooth, but the greater part of the pectorals and the margin

¹ Forhandl. Vidensk. Selsk., 1880, p. 105, and *Nyt Mag. f. Naturvid.*, xviii., 1884, p. 119.

² Collett, Norsk. Nordh. Exped. Fisk., p. 14.

³ Strom, Norsk. Vid. Selsk. Skrift., 1881, p. 79; Collett, *Nyt Mag. f. Naturvid.*, xviii., 1884, p. 118.