

twelve, and occasionally twenty or twenty-five. They have ten to eighteen joints, a few of which are longer than wide, and the later ones may have small dorsal spines.

First radials generally visible, sometimes largely so; the second are partly united laterally, but the rays are free and may divide two, three, and occasionally four times; each division of three joints, the axillary with a syzygy. Thirteen to forty-four arms of generally overlapping triangular joints, which become gradually quadrate and elongated at the ends. The arms are often dimorphic, the tentaculiferous anterior ones tapering slowly with one hundred and twenty to one hundred and fifty joints, while the hinder arms are ungrooved and taper rapidly with only fifty to ninety joints. A syzygy in the third brachial, the next from the eighth to twelfth, usually in the tenth, and others at intervals of one to ten, usually three or four joints.

The distichal pinnule may reach 15 mm., and the palmar pinnule, when present, is usually about the same length; but that on the second brachial is shorter, and those of the fourth and fifth brachials are the smallest, their successors increasing in size. The lower joints of these genital pinnules often overlap considerably and are sometimes carinate. The terminal pinnules of the anterior arms are generally long and slender, but those of the posterior arms are shorter and stouter, often with brownish ovoid bodies on the dorsal aspect of several joints. The terminal comb varies much in size, being sometimes quite small and inconspicuous. It may not extend beyond the pinnule of the third brachial, or occur on all the pinnules to the twelfth, and at intervals to the twenty-fifth brachial, occasionally even to near the end of the arm.

Mouth interradiar or nearly so. Disk naked or bearing a few scattered granules round the anal tube; occasionally covered by a continuous pavement of plates. The hinder arms and sometimes also the corresponding part of the disk are often ungrooved and non-tentaculiferous.

Colour in spirit,—greenish-grey, or brown in various shades and more or less mixed with white; sometimes there is a medio-dorsal line, either white or dark.

Disk 20 mm.; spread reaching 22 cm.

Localities.—Simon's Bay. One specimen.

Station 174 (B, C, or D), August 3, 1874; near Kandavu, Fiji; lat. (about) 19° 6' S., long. (about) 178° 18' E.; 255, 210, or 610 fathoms¹; coral mud; bottom temperature at 610 fathoms, 39° F. One specimen.

Station 186, September 3, 1874; Prince of Wales Channel; lat. 10° 30' S., long. 142° 18' E.; 8 fathoms; coral mud. Five specimens.

Banda; 17 fathoms. Two specimens.

Ternate. One specimen.

Admiralty Islands; 16 to 20 fathoms. One specimen.

Samboangan; 10 fathoms. Seven specimens.

¹ The exact Station, and consequently the exact depth, is not recorded.