

rays; posterior rays of the dorsal and anal fin blackish; ventrals black, with the inner and outer rays white.

One specimen, 7 inches long, came on board ship between the Fiji and New Hebrides Islands, August 16, 1874.

(?) *Exocoetus affinis*, Gthr.

Two specimens, 1 and $1\frac{1}{4}$ inches long, were obtained in Gulf-weed, south of Bermuda. It is impossible to determine whether these young *Exocoetus* should be referred to *Exocoetus lineatus* or the allied *Exocoetus affinis*.

Exocoetus rondeletii, C. V.

Two specimens, $\frac{3}{4}$ and 1 inch long, off the Cape Verde Islands, on April 24 and 29, 1876.

Exocoetus simus, C. V.

Exocoetus simus, Cuv. Val., xix. p. 105.

Not having had a specimen of this species before, I give here a detailed specific description.

D. 12. A. 8. L. lat. 46.

Closely allied to *Exocoetus callopterus* and *Exocoetus brachysoma*.

The height of the body is one-fifth or less than one-fifth of the total length, the length of the head one-fourth or less than one-fourth. The depth of the head is somewhat more than the distance between the extremity of the snout and the hind margin of the præoperculum. Snout obtuse and depressed, its length being three-fifths of the diameter of the eye, which is a little less than one-third of the length of the head, and less than the width of the interorbital space, which is flat. The pectoral fin extends to, or somewhat beyond, the end of the dorsal. Ventral fins midway between the root of the caudal and the gill-opening, not extending to the end of the base of the anal. The dorsal commences far in advance of the anal, its anterior rays being half as long as the head. *The distance between the first dorsal ray and the first rudimentary caudal ray is conspicuously more than the length of the head.* There are thirty-one scales between the occiput and the origin of the dorsal, and eight longitudinal series of scales between the origin of the dorsal and lateral line. Some (the largest) specimens have some round black spots in small or at least not considerable number between the pectoral rays. In other specimens these spots are only indicated, and again in others