

## KEY TO THE SPECIES.

- I. The two distal lateral suckers of the median appendage larger than the two proximal ones.
1. The lateral acetabuliferous appendages still distinct, . . . . . *Dexiobranchæa ciliata*.
  2. The lateral acetabuliferous appendages atrophied, . . . . . *Dexiobranchæa minuta*.
- II. The four lateral suckers of the median appendage of the same size.
1. The median appendage atrophied, . . . . . *Dexiobranchæa simplex*.
  2. The median appendage well developed.
    - A. The suckers corresponding to the lateral appendages disposed in one row, . . . . . *Dexiobranchæa paucidens*.
    - B. The suckers corresponding to the lateral appendages disposed in two rows, . . . . . *Dexiobranchæa polycotyla*.

\*1. *Dexiobranchæa ciliata* (Gegenbaur) (Pl. I. fig. 1).

1839. (?) *Pneumodermon mediterraneum*, van Beneden, Exercices zootomiques, pl. iii. fig. 3.  
 1855. *Pneumodermon ciliatum*, Gegenbaur, Untersuchungen über Pteropoden und Heteropoden, p. 74.  
 1862. *Pneumodermopsis ciliata*, Bronn, Die Klassen und Ordnungen des Thierreichs, Bd. iii. p. 619.  
 1886. *Dexiobranchæa ciliata*, Boas, Spolia atlantica, K. dansk. Vidensk. Selsk. Skriv., 6 Række, Bd. iv. p. 159, pl. vii. fig. 104.  
 1886. *Dexiobranchæa improvisa*, Boas, Spolia atlantica, p. 160.

*Foot*.—Posterior lobe very long and pointed.

*Lateral Gill* very long.

*Buccal Appendages*.—The lateral appendages are still present, but very short; they have the form of a horizontal projection on each side of the ventral wall of the buccal cavity, and each projection bears on its free edge from six to nine suckers of moderate size. The five suckers corresponding to the median appendage are as follows:—the median distal sucker is larger than those of the lateral appendages; of the four other suckers, the anterior (distal) pair is formed of two very large suckers (much larger than the last one), placed on long thin peduncles, and with a broad ledge having a pointed beak on the side opposite to the insertion of the peduncle.<sup>1</sup> The suckers of the posterior (proximal) pair are of about the same size as the suckers of the lateral appendages.

*Radula*.—Formula 7 : 1 : 7; the median tooth tricuspid.

*Hook-sacs* with from thirty to forty hooks.

*Colour*.—Greyish-violet.

*Length*.—Not larger than 1 cm.<sup>2</sup> The specimen figured is a little contracted at its posterior part.

<sup>1</sup> Boas, Spolia atlantica, pl.viii. fig. 113.

<sup>2</sup> The measurements given in this Report are always from the buccal aperture to the posterior extremity of the body, excluding therefore the evaginable parts of the mouth, namely, the proboscis, buccal appendages, and hook-sacs.