

\*2. *Pneumoderma violaceum*, d'Orbigny (Pl. I. fig. 9).

1815. *Pneumodermis atlantica*, Oken, Lehrbuch der Zoologie, Bd. i. p. 327.  
 1832. *Pneumodermon peronii*, Quoy and Gaimard, Voyage de découvertes de l'Astrolabe, Zoologie, t. ii. p. 388, pl. xxviii. figs. 1-6.  
 1840. *Pneumodermon violaceum*, d'Orbigny, Voyage dans l'Amérique méridionale, t. v., pl. ix. figs. 10-15.  
 1850. *Pneumodermon cucullatum*, Gray, Catalogue of the Mollusca in the Collection of the British Museum, p. 39.  
 1852. *Pneumodermon peronii*, Souleyet (*pars*), Voyage de la Bonite, Zoologie, t. ii. p. 274, pl. xiv. figs. 12, 15.  
 1852. *Pneumodermon audebardi*, Rang, Histoire naturelle des Mollusques Ptéropodes, pl. x. fig. 13.  
 1859. *Spongiobranchea australis*, Chenu (*pars*), Manuel de Conchyliologie, t. i. p. 116, fig. 508.  
 1879. *Cirriifer paradoxus*, Pfeffer, Uebersicht der auf S. M. Schiff "Gazelle" und von Dr. Jagor gesammelten Pteropoden, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 249, fig. 20.

*Body* and head resembling those of *Pneumoderma mediterraneum*.

*Foot*.—Posterior lobe not so long as in the foregoing species.

*Lateral Gill* short; lateral somatic crests without fringes.

*Posterior Gill* with long radiating crests, each of which bears about seven ramified fringes on each side of the base.

*Acetabuliferous Appendages* triangular in shape, of moderate length, and rather large at their base. Each appendage bears about forty suckers covering their whole median face; these suckers are smaller than those of *Pneumoderma mediterraneum*, but have nearly the same shape.

*Colour*.—Brownish; the pigment being chiefly distributed on the right side. I have seen specimens in the Hamburg Museum which are nearly colourless, or albinos, and have but very little pigment on the right side of the head.

*Length*.—About 13 mm. Souleyet<sup>1</sup> gives the length of the Atlantic *Pneumoderma* that he studied (and which belongs to the present species), as 25 mm.; but this is certainly with the proboscis and hook-sacs everted.

*Challenger Specimens*.—Near Station 354, May 7, 1876; Atlantic, off the Azores; lat. 34° 22' N., long. 34° 23' W.

In the Narrative of the Cruise (vol. i. p. 219), there is also mentioned a "*Pneumodermon*" (without indication of species) collected between Cape Verde and Bahia, Stations 93 to 128, July 27 to September 14, 1875.<sup>2</sup> I did not, however, find, in the collections sent to me, any specimens of *Pneumoderma* from any station between the

<sup>1</sup> Voyage de la Bonite, Zoologie, t. ii. p. 274.

<sup>2</sup> In this trip there were only four trawlings (Stations 101, 104, 106 and 107, from St. Vincent to St. Paul's Rocks), between lat. 5° 48' N. and lat. 1° 22' N., and from long. 14° 20' W. to long. 26° 36' W.; this zone quite agrees with the area of distribution of *Pneumoderma violaceum*.