

Atlantic by the "Travailleur." With regard to the PEDICELLINEA I must express my obligations to Drs. Nitsche,<sup>1</sup> Hatschek,<sup>2</sup> Salensky,<sup>3</sup> &c., for the information derived from their researches.

The total number of species enumerated in this part of my Report is forty-six, of which number thirteen still appear to me to be new, and three or four others have only been described and named since the Challenger collection was made; if I have overlooked the descriptions of any others I can only express my regret that it should be so, as I have made every endeavour to keep pace with the recent additions to our knowledge on the subject.

Of the number of species above mentioned by far the greater part, viz., thirty-three, belong to the sub-order CYCLOSTOMATA, of which, however, only five are new. Of the CTENOSTOMATA there are only eleven species in all, but of these seven are new, though none of them present any new generic type; this very much larger proportion of new species can be accounted for probably by the fact that this sub-order has been much less fully studied hitherto than either the CHEILOSTOMATA or CYCLOSTOMATA. Belonging to the PEDICELLINEA, only two species have come under my notice, of which but one is now described for the first time, the other having been named by Mr. Hincks in 1884.

#### CLASSIFICATION.

1. The arrangement of the sub-order CYCLOSTOMATA followed in this Report, as exemplified in the accompanying Table (see p. viii.), is nearly the same as that adopted in my Monograph of the Crag Polyzoa, 1857, and in the British Museum Catalogue, pt. iii., 1875; the number of species procured by H.M.S. Challenger belonging to this sub-order not having been sufficiently large to lead to any material change in it.

2. In the sub-order CTENOSTOMATA, again, the number of species in the collection was too small to justify the attempt at forming any different general scheme, and therefore I have followed, as nearly as may be, the arrangement adopted by Mr. Hincks in his British Marine Polyzoa, only differing from him in the definition of the two principal divisions.

3. With respect to the order PEDICELLINEA all that I need say is, that though the total number of species collected on the voyage only amounted to two, they have appeared to me to deserve recognition as a new generic type, to which I have given the name of *Ascopodaria*, but it does not seem necessary for me to enter into any disquisition as to a scheme of classification beyond what has been already written by Mr. Hincks, Dr. Nitsche, Professor Smitt and others.

<sup>1</sup> Nitsche, *Zeitschr. f. wiss. Zool.*, Bd. xx. p. 343, 1870.

<sup>2</sup> Hatschek, *Zeitschr. f. wiss. Zool.*, Bd. xxix. p. 502, 1877.

<sup>3</sup> Salensky, *Ann. d. Sci. Nat.*, sér. 6, t. v. p. 27, 1877.