

APPENDIX A.

DESCRIPTION of SYLON CHALLENGERI, n. sp., a Parasitic Cirriped. By Dr. P. P. C. HOEK, Member of the Royal Academy of Sciences of the Netherlands.

IN May 1886 Mr. C. Spence Bate sent me a specimen that looked like a *Sacculina*, the only one that he ever saw of the kind attached to a Macrurous Crustacean.

The Macruran to which it was attached was a specimen of *Spirontocaris spinus* (Sowerby), var ϵ . It was taken during the voyage of the Challenger at Station 49, off Halifax. It is figured on Pl. CVI. fig. 5 ϵ , of Mr. Spence Bate's Report, being shown *in situ*; in fig. 10 of the same plate it is shown isolated. In the explanation of this plate it is referred to as a saccular parasite.

At the suggestion of Mr. Spence Bate, Mr. John Murray, Director of the Challenger Commission, asked me to describe the specimen in order to have a description of it embodied in Mr. Spence Bate's Report, a request which I gladly accepted.

The reason Mr. Bate proposed to send the parasite in question to me, was that he believed it to be a parasitical Cirriped. After careful examination, I am able to confirm Mr. Spence Bate's provisional determination; for I found that it belonged to a genus of the Rhizocephala, or parasitical Cirripedia, *Sylon*, a genus well known to the Norwegian zoologists, but no specimens of it had been previously taken in the Atlantic south of lat. 60° N.

Before proceeding to describe the specimen, it will be well to say something concerning the literature of the genus.

In 1855 H. Kröyer¹ published a short note on a very insufficiently known group of Crustaceans, *Pachybdella* and its congeners. This note is remarkable from a historical point of view, since for the first time a third genus of these lower Crustaceans, which afterwards were shown to form the group of the Rhizocephala, was spoken of. The two previously known genera are *Pachybdella*, Diesing (*Sacculina*, Thompson), and *Peltogaster*, Rathke. Of *Pachybdella*, the species of which inhabit Crabs, Kröyer mentions two species, and of *Peltogaster*, which occurs on the abdomen of *Pagurus*, five different

¹ H. Kröyer, Bemaerkninger om en meget ufuldstaendigt bekjendt Gruppe af Krebsdyr *Pachybdella* o.s.v., *Oversigt o. d. K. D. Vid. Selk. Forhandl. Kjøbenhavn*, pp. 127-131, 1855.