

THE
VOYAGE OF H.M.S. CHALLENGER.

ZOOLOGY.

REPORT on the PHYLLOCARIDA collected by H.M.S. Challenger during the Years 1873-76. By Professor G. O. SARS, of the University of Christiania.

INTRODUCTION.

AMONG the numerous Crustacea brought home by the Challenger Expedition, there are two forms belonging to the above named interesting group, both of which represent new generic types. This addition is especially of high interest since only a single recent genus of Phyllocarida was hitherto known, viz., the genus *Nebalia*, all the other forms belonging to this group being Palæozoic fossils. Thus, a closer investigation of the two new types added by the Challenger Expedition cannot fail to be of great importance in advancing our knowledge of this very remarkable and anomalous group of Crustacea.

One of the forms has already been roughly described by the late Dr. v. Willemoes Suhm under the name of *Nebalia longipes*, and in the last edition of Professor Claus' Zoology this form has been quoted with a new generic name as *Paranebalia longipes*. I fully agree with Professor Claus that this species ought to be regarded as the type of a new genus, which, however, is rather nearly related to the earlier known genus *Nebalia*. The other form contained in the Challenger collection seems to deviate much more from the typical genus, and may perhaps throw some light on the structure of certain fossil forms. But the very restricted material has unfortunately prevented me from instituting a satisfactory anatomical investigation of this interesting form. Besides these forms, according to a letter from the late Dr. v. Willemoes Suhm to Professor v. Siebold,¹ a

¹ *Zeitschr. f. wiss. Zool.*, Bd. xxiv.