

THE
VOYAGE OF H.M.S. CHALLENGER.

ZOOLOGY.

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

INTRODUCTION.

THE Cumacea obtained during the voyage of H.M.S. Challenger form a comparatively small part of the rich collection of Crustacea procured during the Expedition, the number of species amounting to only fifteen. They belong, however, to eight different genera, and thus most of the leading types of this interesting group are in reality found to be represented in the collection. The specimens were, as a rule, preserved in the usual manner in strong spirits; but a few forms had been immediately mounted in Canada balsam on glass slides, and the examination of these could not, of course, be so satisfactorily made as in the case of the others. Four of the species were detected by myself in examining some small samples of dredged material kindly sent to me by Mr. John Murray.

The specimens were collected partly in the Atlantic, partly in the Pacific, and partly in the Southern Ocean, especially at Kerguelen Island, where no less than five of the species were procured. The greatest depth from which Cumacea were procured was at Station 246, in the North Pacific (2050 fathoms), and the least depth at Flinders Passage (7 fathoms). Two of the species were, moreover, taken at the very surface of the sea, off Samboangan, Philippine Islands.

In describing the species I have made use of the terminology adopted in my Report on the Schizopoda of the Challenger collection,¹ and have endeavoured to give a more detailed account of such forms as represent separate groups or families of the order.

¹ Zool. Chall. Exp., vol. xiii. pt. xxxvii. p. 3.