

THE
VOYAGE OF H.M.S. CHALLENGER.

ZOOLOGY.

REPORT on the LAMELLIBRANCHIATA collected by H.M.S. Challenger during the Years 1873-76. By EDGAR A. SMITH, F.Z.S., Assistant in the Zoological Department of the British Museum.

INTRODUCTION.

THE following Report upon the Lamellibranchiata obtained during the Challenger Expedition consists almost exclusively of a list of the various species comprised in the collection, with such remarks connected with each as were thought to be of sufficient interest for publication, and of the descriptions of the numerous forms which apparently are new to science. The time at my disposal for the preparation of the work having been rather limited, the revision of several of the genera, which in the course of studying some of the species has appeared desirable, has had to be abandoned. Only in a few instances has an account of the soft parts preserved in spirit been given, as these are to be placed in other hands for examination and anatomical description.

Before the collection was handed over to me it had already to a great extent been identified by the Rev. R. Boog Watson, who is reporting on the Scaphopoda and Gasteropoda of the Expedition, and it is with much pleasure that I bear testimony to the very great assistance I have derived from his labours.

In the first place, I escaped the great trouble of sorting the numerous species into separate boxes and bottles, and of writing the localities, depths, &c., upon them. This, however, is but a slight advantage in comparison with that of having the identifications of one whose powers of perception are second to those of no other conchologist of my acquaintance, and whose carefulness and thoroughness must have been recognised by