

THE
VOYAGE OF H.M.S. CHALLENGER.

ZOOLOGY.

REPORT on the HYDROIDA dredged by H.M.S. Challenger during the years 1873-76. By Professor G. J. ALLMAN, M.D., LL.D., F.R.C.S.I., F.R.S.S.L. & E., M.R.I.A., C.M.Z.S., &c.

PART I.—PLUMULARIDÆ.

INTRODUCTION.

IN the descriptive zoology of the Plumularidæ a considerable amount of literature already exists. The British species have, in more recent times, been studied by several observers, and more especially by Hincks,¹ whose valuable History of the British Hydroid Zoophytes has greatly facilitated the labours of such zoologists as have since worked at species from other seas. Among the more important recent contributions to our knowledge of foreign forms must be mentioned the descriptions given by Busk,² of the species collected during the exploratory expedition of the "Rattlesnake"; the memoirs by Kirchenpauer,³ in which a large number of new species contained in various continental collections has been described and figured; and that by G. Ossian Sars,⁴ in which we find descriptions and figures of many new and interesting Plumularidæ from

¹ A History of the British Hydroid Zoophytes, by Thomas Hincks, London, Van Voorst, 1868.

² Narrative of the Voyage of H.M.S. "Rattlesnake," London, 1852. Account of the Polyzoa and Sertularian Zoophytes, by George Busk, Appendix, vol. i.

³ Kirchenpauer, Ueber die Hydroidenfamilie Plumularidæ. *Abhandl. aus der Gebiete der Naturwiss. von dem naturwiss. Verein in Hamburg*, Bd. v., vi., 1872 and 1876.

⁴ G. O. Sars, Bidrag til Kundskaben om Norges Hydroider. *Forhandl. Vidensk. Selsk. i Christiania*, Aar 1873.