

SECTION V.

EMBRYOLOGICAL RESEARCHES UPON ACALEPHS.

The history of the successive steps which have led to a full knowledge of the reproduction and mode of development of the Medusæ exhibits some of the most interesting features in the annals of scientific discoveries, on account of the peculiarity of the facts brought to light in the course of the investigation not only, but also because the progress has been so very slow and gradual that it discloses, more clearly than most other subjects, the care, the patience, and the unrelenting perseverance, with which natural phenomena ought to be traced, in order to secure satisfactory results.

As I have already enumerated the numerous papers relating to the Embryology of Acalephs in another part of this work,¹ I shall limit myself here to a brief

volume of this work; to which may be added: COLDSTREAM (JOHN), Article Acalephæ in Todd's Cyclop. of Anat. and Phys. 1835, 8vo.; MILNE-EDWARDS *Leçons sur la Physiologie et l'Anatomie comparée de l'homme et des animaux*, Paris, 1857-1859, 4 vols. 8vo. — CARUS (V.), *Icones Zootomicæ*, mit Original-Beiträgen von Allman, Gegenbauer, Huxley, Kölliker, Müller, Schultze, Siebold, und Stein, Leipzig, 1857, fol.; and GEGENBAUER (C.), *Grundzüge der vergleichenden Anatomie*, Leipzig, 1859, 1 vol. 8vo.

¹ See vol. 1, p. 69. To the works there quoted may be added: HASSALL (A. H.), *Catalogue of Irish Zoöphytes*, Ann. and Mag. Nat. Hist. 1811, vol. 8. — STRENSSTRUP (J. J. SM.), *Untersuchungen über das Vorkommen des Hermaphroditismus in der Natur. aus dem Dänischen von Dr. C. P. Hornschuch*. Greifswald, 1846, 4to. fig. — VAN BENEDEK (P. J.), *Un mot sur le mode de reproduction des animaux inférieurs*, *Bulletins Acad. Roy. de Belgique*, 1847. — REID (JOHN), *Observations on the Development of the Medusæ*, Ann. and Mag. Nat. Hist. 1848, vol. 1, p. 25. — GILES (EDW.) and CLARKE (W. B.), *A few Remarks upon a Species of Zoöphyte discovered in the New*

Docks of Ipswich, Ann. and Mag. Nat. Hist. 1849, vol. 4, p. 26. — MÜLLER (J.), *Archiv für Anat. und Phys.* 1852, p. 32. (in the paper on the origin of shells in Holothuria.) — THOMPSON (W.), *On the Analogy between the Processes of Reproduction in the Plant and in the Hydroid Zoöphyte*, Ann. and Mag. Nat. Hist. 1854, XIV. p. 313. — BRUMMEISTER (H.), *Zoonomische Briefe*, Leipzig, 1856, 2 vols. 8vo. See vol. 1, p. 139. — PEACH (C. W.), *Notice of a curious Metamorphosis in a Zoöphyte-like animal*, *Edinb. New Phil. Journ.* 1856, vol. 4. — SARS (M.), *Einige Worte über die Entwicklung der Medusen*, *Wiegmann's Archiv of Naturg.* 1857, I. p. 117. — DALYELL (SIR JOHN G.), *On the Propagation of Scottish Zoöphytes*, *Edinb. New Phil. Journ.* 1834, vol. 17, and 1836, vol. 21. — GEGENBAUER (K.), *Zur Lehre vom Generationswechsel und der Fortpflanzung bei Medusen und Polypen*, Würzburg, 1854, 8vo. fig. — WRIGHT (J. J.), *On the Reproduction of Cydippe pomiformis*, *Edinb. New Phil. Journ.* 1856, vol. 4, p. 85. — *Observations on British Zoöphytes*, *Edinb. New Phil. Journ.* 1857-1859. — *On Hydractinia cchinata*, 1857, *Edinb. New Ph. Journ.* — GOSSE (TH. H.), *Naturalist's Rambles on the Devonshire Coast*, Lon-