

investigations, extending over a variety of families, so much needed, as in that of Birds, though the general development of these animals is, perhaps, better known than that of any other type;<sup>1</sup> while the class of Mammalia<sup>2</sup> has found in Bischoff a most successful and thorough investigator.<sup>3</sup>

krüte, Solothurn, 1841, 4to. fig.— Quelques observations sur l'embryologie des Batraciens, *Ann. Sc. n., 3e sér.* vol. 2, p. 45.— **REMAK**, (R.,) Untersuchungen über die Entwicklung der Wirbelthiere, Berlin, 1855, fol.— **NEWPORT**, (G.,) On the Impregnation of the Ovum in the Amphibia, *Philos. Trans. R. Soc.*, 1851, I., p. 169.— **WITTICH**, (W. H. v.,) Beiträge zur morphologischen und histologischen Entwicklung der Harn- und Geschlechtswerkzeuge der nackten Amphibien, *Zeitsch. f. wiss. Zool.*, 1852, vol. 4, p. 125.— **WEINLAND**, (D.,) Ueber den Beutelfrosch, *Müller's Archiv*, 1854, p. 449.— **WYMAN**, (J.,) Observations on *Pipa americana*, *Am. Jour. Sc. and Arts*, 2d ser. 1854, vol. 17, p. 369.

<sup>1</sup> **PANDER**, (CHR. H.,) *Diss. sistens historiam metamorphoscos quam ovum incubatum prioribus quinque diebus subit*, Wirceb. 1817, 8vo.— Beiträge zur Entwicklungsgeschichte des Hühnchens im Eie, Würzb. 1817, fol. fig.— **BAER**, (K. E. v.,) *Entwicklungsgeschichte*, etc., vol. 1.— **DUTROCHET**, (H.,) *Histoire de l'œuf des Oiseaux avant la ponte*, *Bull. Soc. Philom.*, 1819, p. 38.— **HUNTER**, (JOHN,) *Observations on Animal Development*, edited and his Illustrations of that process in the Bird described by R. OWEN, London, 1841, fol. fig.— **PREVOST**, (J. L.,) *Mémoire sur le développement du poulet dans l'œuf*, *Ann. Sc. Nat.*, 1827, vol. 12, p. 415.— **PREVOST**, (J. L.,) et **LEBERT**, *Mémoires sur la formation des organes de la circulation et du sang dans l'embryon du Poulet*, *Ann. Sc. Nat.* 3e sér. I. p. 265; II. p. 222, fig.; III. p. 96.— **BAUDRIMONT**, (A.,) et **MARTIN ST. ANGE**, (G. J.) *Recherches anatomiques et physiologiques sur le développement du fœtus*, Paris, 1850, 4to.— **MECKEL** v. **HEMSBACH**, (H.,) *Die Bildung der für partielle Furchung bestimmten Eier der Vögel*, etc., *Zeitsch. f. wiss. Zool.*, 1852, vol. 3, p. 420.— In no class are embryological investigations extending over a variety of families more needed than in that of Birds, if we should ever derive any

assistance from the knowledge of their development for their natural classification.

<sup>2</sup> For the papers relating to the foetal envelopes and the placenta and also to the different systems of organs or any organ in particular and for human embryology generally, see Bischoff's article "Entwicklungsgeschichte," in R. Wagner's *Handwörterbuch der Physiologie*, p. 867, where every thing that has been done in this direction, up to the year 1848, is enumerated. For more recent researches upon these topics consult, also, **MÜLLER'S** *Archiv*, **WYMAN'S** *Archiv*, **SIEBOLD** und **KÜLLIKER'S** *Zeitsch. f. wiss. Zool.*, **MILNE-EDWARDS**, *Ann. Sc. Nat.*, and the *Annals and Magazine of Nat. Hist.*, etc.

<sup>3</sup> **BISCHOFF**, (TH. L. W.,) *Entwicklungsgeschichte des Kaninchen-Eies*, Braunschweig, 1842, 4to. fig.— *Entwicklungsgeschichte des Hunde-Eies*, Braunschweig, 1845, 4to. fig.— *Entwicklungsgeschichte des Meerschweinchens*, Giessen, 1852, 4to. fig.— *Entwicklungsgeschichte des Rehens*, Giessen, 1854, 4to. fig.— **PREVOST**, (J. L.,) et **DUMAS**, (J. A.,) *De la génération chez les Mammifères*, etc., *Ann. Sc. Nat.* 1824, vol. 3, p. 113, fig.— **BOJANUS**, (L.,) *Observatio anatomica de fœtu canino 24 dierum*, etc., *Act. Ac. Nat. Cuv.*, vol. 10, p. 139, fig.— **COSTE**, (P.,) *Embryogénie comparée*, Paris, 1837, 8vo. Atlas 4to.— *Histoire particulière et générale du développement des corps organisés*, q. a.— *Recherches sur le génération des Mammifères et le développement de la brebis*, *Ann. Sc. Nat.*, 1835, III. p. 78.— *Recherches sur la génération des Mammifères*, Paris, 1834, 4to. fig.— **BERNHARDT**, (C. A.,) *Symbolæ ad Ovi Mammalium historiam ante pregnationem*, Vratisl., 4to., *Müller's Arch.*, 1835, p. 228.— **BARRY**, (M.,) *Researches in Embryology*, *Phil. Trans. R. Soc.* 1838, p. 301; 1839, p. 307; 1840, p. 529; 1841, p. 195.— **BAER**, (H. E. v.,) q. a.— **OWEN**, (R.,) *On the Ova of the Ornithorhynchus paradoxus*, *Phil. Trans.* 1834, p. 555.— *On the Young of the Ornithorhynchus para-*