

- LAMNA *Mantellii*. Tab. 58, fig. 2, page 329. Agass. Tab. xxxii. figs. 4, 7, 8, 10.
 ————*crassissima*. Not figured.
 ODONTAPSIS *raphiodon*. Not figured.
 SPINAX *major*. Agass. Poiss. Foss. Vol. iii. tab. 10, figs. 8, 14.
 PSAMMODUS *asper*. Poiss. Foss. Vol. iii. tab. 10, figs. 1, 3.
 ACRODUS *transversus*. Poiss. Foss. Vol. iii. tab. 10, figs. 4, 5.
 GYRODUS *angustus*. Poiss. Foss. Vol. ii. tab. 66a, figs. 14, 15.

The above order of fishes is represented by five genera, of which one, containing twelve species, is extinct. The fishes of the genera *Ptychodus*, *Galeus*, and *Lamna*, are very widely distributed.

ORDER II.—The *Ganoidians*,—(*γανος*, splendour, from the brilliant surface of their enamel.) These are characterised by angular scales, formed of horny or bony plates, protected by a thick layer of enamel. Tab. 84, fig. 1.

- MACROPOMA *Mantellii*. Tab. 61, page 334. Length 24 inches. South Down Fossils. Tab. xxxvii. and xxxviii. Agass. Poiss. Foss. Vol. v. tab. 60b, fig. 2.
 ———— Coprolites of: South Down Fossils. Tab. ix. figs. 5, 11. Agass. Poiss. Foss. Vol. ii. tab. 65.

The *Macropoma* is perhaps the most remarkable of all the fossil fishes; in most examples the membranes of the stomach are preserved.

- SPHERODUS *mammillaris*. Not figured. From Clayton chalk-pit.
 DERCETIS *elongatus*. Tab. 62, page 335. Length 16 inches. South Down Fossils. Tab. xxxiv. figs. 10, 11. Tab. xl. fig. 2. Agass. Poiss. Foss. Vol. ii. tab. 66a, figs. 1 to 8.

The above order comprehends three extinct genera, with three species. Another species of *Dercetis* has been found in the chalk of Westphalia.

ORDER III.—The *Ctenoïdians*, (*κτεῖς*, a comb.) The scales of this order are pectinated on their posterior margin, like the teeth of a comb, and are composed of laminæ of horn or bone, but have no enamel. Tab. 84, fig. 4.

- BERYX *Lewesiensis*. (*B. ornatus* of Agassiz.) Tab. 64, page 337. Length 12 inches. South Down Fossils. Tab. xxxiv. fig. 6. Tab. xxxv. Tab. xxxvi. Agass. Poiss. Foss. Vol. iv. tab. 14a.
 ————*radians*. Tab. 63, page 336. Length 7 inches. History of the County of Sussex. Vol. ii. Part ii. p. 15, fig. 22. Agass. Poiss. Foss. Vol. iv. tab. 14b, fig. 7.
 ————*microcephalus*. Agass. Poiss. Foss. Vol. iv. tab. 4c, figs. 7 to 9.