

*fins* wanting. To this Order belong the *Coat of Mail fish*,\* the *Sun-fish*,† and the *Bladder-fish*.‡

*Order 2. (Cuv. 5.)—Lophobranchian Fishes.* So called because their gills are not pectinated, but disposed in tufts, as is the case likewise with some Annelidans; § body ridged longitudinally, covered with hard scales, united to each other; *mouth* elongated. To this Order belong those singular animals—the *dragonet*,|| the *horse-head*,¶ or *sea-horse*, and the *sea-needle*.\*\*

*Order 3. (Cuv. 2.)—Malacopterygian, or soft-rayed Fishes.* *Rays* not spiny, except sometimes the first of the dorsal or pectoral fins. This great Order Cuvier divides into three *Orders*, or rather *Sub-orders*, which I shall give inversely.

*Sub-order 1. (Cuv. 4.)—Apode Malacopterygians.* *Body* serpentiform, elongated; *skin* thick, soft, and slimy. To this Sub-order belong the *common-eel*,†† the *conger-eel*,‡‡ and the *electric-eel*,§§ which have many points in common with the cylostomous fishes of the preceding Sub-class, and with respect to their form seem to look both towards the *Annelidans*, and more especially to the *Ophidian Reptiles*.

*Sub-order 2. (Cuv. 3.)—The Sub-brachian Malacopterygians.* *Ventral* fins attached under the *pectoral*. In this Order we find the *sucking-fish*,||| the *lump-fish*,¶¶ the *flat-fishes*, and the *cod-fish*,\*† which seems an heterogenous mixture; the flat-fishes seem clearly entitled to rank as an Order.

*Sub-order 3. (Cuv. 2.)—Abdominal Malacopterygians.*

\* Ostracion.

‡ Diodon.

|| Pegasus.

\*\* Syngnathus.

‡‡ M. Conger.

||| Echeneis.

\*† Gadus.

† Mola.

§ See above, p. 95.

¶ Hippocampus.

†† Muræna Anguilla.

§§ Gymnotus.

¶¶ Cyclopterus.