

## CLASSIFICATION OF OWEN.

The following diagram is compiled from R. OWEN'S Lectures on the Comparative Anatomy and Physiology of the Invertebrate Animals, 2d edit., London, 1855, 1 vol. 8vo.

## Province. VERTEBRATA. Myelencephala. (Owen.)

Cl. Mammalia.

Cl. Aves.

Cl. Reptilia.

The classes Mammalia, Aves, and Reptilia are not yet included in the second volume of the "Lectures," the only one relating to Vertebrata thus far published.

Cl. Pisces. Ord. Dermopteri, Malacopteri, Pharyngognathi, Anacanthini, Acanthopteri, Plectognathi, Lophobranchii, Ganoidei, Protopteri, Holocephali, Plagiostomi.

## Province. ARTICULATA. Homogangliata. (Owen.)

Cl. Arachnida. Ord. Dermophysa, Trachearia, Pulmotrachearia, and Pulmonaria.

Cl. Insecta. Subclass: Myriapoda. Ord. Chilognatha and Chilopoda. Subclass: Hexapoda. Ord. Aptera, Diptera, Lepidoptera, Hymenoptera, Homoptera, Strepsiptera, Neuroptera, Orthoptera, and Coleoptera.

Cl. Crustacea. Subclass: Entomostraca. Ord. Trilobites, Xiphosura, Phyllopora, Cladocera, Ostracopoda, Copepoda. Subclass: Malacostraca. 1°. Edriophthalma. Ord. Lamnoidipoda, Isopoda, Amphipoda. 2°. Podophthalma. Ord. Stomapoda, Decapoda.

Cl. Epizoa. Ord. Cephalona, Brachium, and Onchona.

Cl. Anellata. Ord. Suctoria, Terricola, Errantia, Tubicola.

Cl. Cirripedia. Ord. Thoracica, Abdominalia, and Apoda.

## Province. MOLLUSCA. Heterogangliata. (Owen.)

Cl. Cephalopoda. Ord. Tetrabranchiata and Dibbranchiata.

Cl. Gasteropoda. A. Monœcia: Ord. Apneusta (Küll.), Nudibranchiata, Inferobranchiata, Tectibranchiata, Pulmonata. B. Diœcia. Ord. Nucleobranchiata, Tubulibranchiata, Cyclobranchiata, Scutibranchiata, and Pectinibranchiata.

Cl. Pteropoda. Ord. Thecosomata and Gymnosomata.

Cl. Lamellibranchiata. Ord. Monomyaria and Dimyaria.

Cl. Brachiopoda. Only subdivided into families.

Cl. Tunicata. Ord. Saccobranchiata and Tæniobranchiata.

Subprovince. RADIARIA.<sup>1</sup>

Cl. Echinodermata. Ord. Crinoidea, Asteroidea, Echinoidea, Holothurioidea, and Sipunculoidea.

Cl. Bryozoa. Only subdivided into families.

Cl. Anthozoa. Only subdivided into families.

Cl. Acalephæ. Ord. Pulmograda, Ciliograda, and Physograda.

Cl. Hydrozoa. Only subdivided into families.

## Subprovince. ENTOMAZOA.

Cl. Cœloelmintha. Ord. Gordiacea, Nematodea, and Onchophora.

Cl. Sterelmintha. Ord. Tænioidea, Trematoda, Acanthocephala.—Turbellaria.

## Subprovince. INFUSORIA.

Cl. Rotifera. Only subdivided into families.

Cl. Polygastrina. Ord. Astoma, Stomatoda.—Rhizopoda.

<sup>1</sup> In the first edition of the work quoted above, published in 1843, the three subprovinces, Radiaria, Entozoa, and Infusoria are considered as one subkingdom called Radiata, in

contradistinction of the subkingdoms, Mollusca, Articulata, and Vertebrata, and that subkingdom is subdivided into two groups, *Nematoneura* and *Acrita*.