

tinual uniform series to embrace all animals, between the links of which it was supposed there were no unequal intervals. The watchword of their school was: *Natura non facit saltum*. They called their system *la chaîne des êtres*.

The views of Cuvier led him to the following arrangement of the animal kingdom:—

#### CLASSIFICATION OF CUVIER<sup>1</sup>

##### First Branch. ANIMALIA VERTEBRATA.

- CL. 1. Mammalia. *Orders*: Bimana, Quadrumana, Carnivora, Marsupialia, Rodentia, Edentata, Pachydermata, Ruminantia, Cetacea.
- CL. 2. Birds. *Ord.* Accipitres, Passeres, Scansores, Gallinæ, Grallæ, Palmipedes.
- CL. 3. Reptilia. *Ord.* Chelonia, Sauria, Ophidia, Batrachia.
- CL. 4. Fishes. *1st Series*: Fishes proper. *Ord.* Acanthopterygii;—Abdominales, Subbrachii, Apodes;—Lophobranchii, Plectognathi; *2d Series*: Chondropterygii. *Ord.* Sturiones, Selachii, Cyclostomi.<sup>2</sup>

##### Second Branch. ANIMALIA MOLLUSCA.

- CL. 1. Cephalopoda. No subdivisions into orders or families.
- CL. 2. Pteropoda. No subdivisions into orders or families.
- CL. 3. Gasteropoda. *Ord.* Pulmonata, Nudibranchia, Inferobranchia, Tectibranchia, Heteropoda, Pectinibranchia, Tubulibranchia, Scutibranchia, Cyclobranchia.
- CL. 4. Acophala. *Ord.* Testacea, Tunicata.
- CL. 5. Brachiopoda. No subdivisions into orders or families.
- CL. 6. Cirrhopoda. No subdivisions into orders or families.

##### Third Branch. ANIMALIA ARTICULATA.

- CL. 1. Annelides. *Ord.* Tubicolæ, Dorsibranchiæ, Abranchiæ.
- CL. 2. Crustacea. *1st Section*: Malacostraca. *Ord.* Decapoda, Stomapoda, Amphipoda, Læmodipoda, Isopoda. *2d Section*: Entomostraca. *Ord.* Branchiopoda, Poecilopoda, Trilobitæ.
- CL. 3. Arachnides. *Ord.* Pulmonariæ, Trachenariæ.
- CL. 4. Insecta. *Ord.* Myriapoda, Thysanura, Parasita, Suctoria, Coleoptera, Orthoptera, Hemiptera, Neuroptera, Hymenoptera, Lepidoptera, Rhipiptera, Diptera.

##### Fourth Branch. ANIMALIA RADIATA.

- CL. 1. Echinoderms. *Ord.* Pedicellata, Apoda.
- CL. 2. Intestinal Worms. *Ord.* Nematoides, (incl. Epizoa and Entozoa,) Parenchymatosæ.
- CL. 3. Acalephæ. *Ord.* Simplices, Hydrostaticæ.
- CL. 4. Polypi. (Including Anthozoa, Hydroids, Bryozoa, Coralliæ, and Spongiæ.) *Ord.* Carnosi, Gelatinosi, Polypiarii.
- CL. 5. Infusoria. *Ord.* Rotifera and Homogenea, (including Polygastrica and some Algæ.)

<sup>1</sup> Le Règne animal distribué d'après son organisation, Paris, 1829, 2de édit. 5 vols. 8vo. The classes of Crustacea, Arachnids, and Insecta have been elaborated by Latreille. For the successive modifications the classification of Cuvier has under-

gone, compare his Tableau élémentaire, q. n., p. 192, his paper, q. n., p. 193, and the first edition of the Règne animal, published in 1817, in 4 vols. 8vo.

<sup>2</sup> Comp. Règn. Anim., 2de édit., 2d vol., p. 128 and 383.