

CLASSIFICATION OF VON SIEBOLD AND STANNIUS.

This classification is adopted in the following work: SIEBOLD, (C. TH. V.) and STANNIUS, (H.) *Lehrbuch der vergleichenden Anatomie*, Berlin, 1845, 2 vols. 8vo. A second edition is now in press.

EVERTEBRATA.

I. PROTOZOA.

- CL. 1. Infusoria. *Ord.* Astoma and Stomatoda.
 CL. 2. Rhizopoda. *Ord.* Monosomatia and Polysomatia.

II. ZOOPHYTA.

- CL. 3. Polypi. *Ord.* Anthozoa and Bryozoa.
 CL. 4. Acalephae. *Ord.* Siphonophora, Discophora, Ctenophora.
 CL. 5. Echinodermata. *Ord.* Crinoidea, Asteroidea, Echinoidea, Holothurioidea, and Sipunculoida.

III. VERMES.

- CL. 6. Helminthes. *Ord.* Cystici, Cestodes, Trematodes, Acanthocephali, Gordiacei, Nematodes. } Since the publication of the work quoted above, Siebold has introduced most important improvements in the classification of the Worms, and greatly increased our knowledge of these animals.
- CL. 7. Turbellarii. *Ord.* Rhabdocæli, Dendrocæli.
 CL. 8. Rotatorii. Not subdivided into orders.
 CL. 9. Annulati. *Ord.* Apodes and Chætopodes.

IV. MOLLUSCA.

- CL. 10. Acephala. *Ord.* Tunicata, Brachiopoda, Lamellibranchia.
 CL. 11. Cephalophora, Meck., (Gasteropoda.) *Ord.* Pteropoda, Heteropoda, Gasteropoda.
 CL. 12. Cephalopoda. Not subdivided into orders.

V. ARTHROPODA.

- CL. 13. Crustacea. *Ord.* Cirripedia, Siphonostoma, Lophyropoda, Phyllopora, Pæcilopoda, Læmodipoda, Isopoda, Amphipoda, Stomapoda, Decapoda, Myriapoda.
 CL. 14. Arachnida. Orders without names.
 CL. 15. Insecta. *a.* Ametabola. *Ord.* Aptera. *b.* Hemimetabola; *Ord.* Hemiptera, Orthoptera. *c.* Holometabola. *Ord.* Diptera, Lepidoptera, Hymenoptera, Strepsiptera, Neuroptera, and Coleoptera.

VERTEBRATA.

VI. VERTEBRATA.

- CL. 16. Pisces. *Subclasses:* 1st. Leptocardii. 2d. Marsipobranchii. 3d. Elasmobranchii; *Ord.* Holocephali, Plagiostomi. 4th. Ganoidei; *Ord.* Chondrostei, Holostei. 5th. Teleostei; *Ord.* Acanthopteri, Anacanthini, Pharyngognathii, Physostomi, Plectognathii, Lophobranchii. 6th. Dipnoi.
 CL. 17. Reptilia. *Subclasses:* 1st. Dipnoi; *Ord.* Urodela, Batrachia, Gymnophiona. 2d. Monopnoi: *a.* Streptostylia; *Ord.* Ophidia, Sauria. *b.* Monimostylia; *Ord.* Chelonii, Crocodila. } The subdivisions of the classes Pisces and Reptilia are taken from the second edition, published in 1854-1856, in which J. Müller's arrangement of the Fishes is adopted; that of the Reptiles is partly Stannius's own. The classes Aves and Mammalia, and the first volume of the second edition, are not yet out.
 CL. 18. Aves.
 CL. 19. Mammalia.