

The resemblance of the buccal cavity and tentacles (cirri) of Ammocetes to the corresponding parts in Amphioxus is so close that there can hardly be any doubt the two are homologous. The anterior end of the nerve-tube of Amphioxus corresponds to the *lamina terminalis* of the craniate Vertebrates.

- 31 HUXLEY, T. H. *On the Classification of the Animal Kingdom.* Journal of the Linnean Society (London), XII. 1876. pp. 199-226. (Read 3d Dec., 1874.)
Section on "*epicæ*l," p. 216 *et seq.* Atrial cavity of Amphioxus and Ascidians is an epicæel like the opercular cavity of the Amphibian tadpole.
- 32 KÖLLIKER, ALBERT. *Ueber das Geruchsorgan von Amphioxus.* Müller's Archiv für Anat. Physiol., etc. 1843. pp. 32-35. Taf. II. Fig. 5.
Discovery of olfactory pit and first description of the spermatozoa of Amphioxus.
- 33 KÖPPEN, MAX. *Beiträge zur vergleichenden Anatomie des Centralnervensystems der Wirbelthiere. Zur Anatomie des Eidechsengehirns.* Morphologische Arbeiten (Schwalbe), I. 1892. pp. 496-515. Taf. 22-24.
Contains discovery of giant-fibres in caudal portion of spinal cord of *Lacerta viridis*.
- 34 KOHL, K. *Einige Bemerkungen über Sinnesorgane des Amphioxus lanceolatus.* Zool. Anz. 1890. pp. 182-185.
States that sometimes there is a shallow olfactory groove on the right side as well as that in the left. Such grooves are often due to artificial crumpling, and the observation requires confirmation.
- 35 KRUKENBERG, C. FR. W. *Zur Kenntnis des chemischen Baues von Amphioxus lanceolatus und der Cephalopoden.* Zool. Anz. 1881. pp. 64-66. See also HOPPE-SEYLER's reply. pp. 185-187. Compare also CUÉNOT (*supra*).
- 36 KUPFFER, CARL VON. *Studien zur vergleichende Entwicklungsgeschichte des Kopfes der Kranioten. I. Die Entwicklung des Kopfes von Acipenser sturio an Medianschnitten untersucht.* 95 pp. 8°. 9 Tafeln. München und Leipzig, 1893.
Contains also a chapter on brain of Amphioxus, with figures.
- 37 LANGERHANS, PAUL. *Zur Anatomie des Amphioxus lanceolatus.* Archiv für mikroskopische Anatomie, XII. 1876. pp. 290-348. Taf. XII.-XV.
Standard work on the histology of Amphioxus.
- 38 LANKESTER, E. RAY. *On Some New Points in the Structure of Amphioxus and their Bearing on the Morphology of Vertebrata.* Quarterly Jour. Micro. Sc. XV. N. S. 1875. pp. 257-267.