

*Esocidae*, *Salmonidae* and *Muraenidae*. — Dr. Mivart, F.R.S., read a paper descriptive of the skeleton in *Lorius flavopalliatu*s, comparing it with that of *Psittacus erithacus*, and pointed out a number of differences in detail. — Mr. G. A. Boulenger, F.R.S., made remarks on some cranial characters of the Salmonoid Fishes, and expressed the opinion that there was no justification for separating *Coregonus* and *Thymallus* from the Salmonidae as had been proposed by Cope and Gill. — Prof. T. W. Bridge read a paper in which he pointed out certain features in the skull of *Osteoglossum*. The author directed attention to the existence of a peculiar oral masticatory mechanism in *Osteoglossum formosum*, distinct from that furnished by the upper and lower jaws and their teeth. The mechanism consists of a linear series of opposable teeth implanted in the oral surface of each mesopterygoid and a small cluster of teeth supported by the parasphenoid. By the lateral sliding motion of the proximal elements of the mandibular arch (metapterygoids) on a pair of special horizontally disposed condyles furnished by the parasphenoid the two series of mesopterygoid teeth become capable of alternation, approximation, and separation in the median line of the oral cavity. The masticatory action of the mesopterygoid may also be supplemented by the vertical movements of the well-known dentigerous »tongue«. The existence of an essentially similar mechanism in the Ganoid *Lepidosteus osseus* is also described, and the conclusion suggested that the two genera offer in this respect an interesting example of parallelism in evolution. — P. L. Sclater, Secretary

#### 4. Malacological Society of London.

April 19th 1895. — Dr. H. Woodward, F.R.S., Vice-President, in the Chair. In addition to specimens in illustration of papers, the following were shown: a series of Mollusca from a Pleistocene deposit at Crayford, by Mr. A. S. Kennard; two species of *Estheria* from Persia and S. Algeria, by Mr. S. Pace; specimens from a Pleistocene deposit at Chelmsford, by Mr. W. M. Webb; a distribution Chart of *Clausilia*, by E. R. Sykes. — The following communications were read: — 1) On some new species of British Mollusca from the »Triton« Expedition, by H. K. Jordan. — 2) The Anatomy of *Natalina caffra*, Fér, By M. F. Woodward. — 3) Descriptions of new species of Mollusca of the genera *Bullia*, *Mangelia*, *Trochus*, etc., from the Mekran Coast, by G. B. Sowerby. — 4) List of Land and Fresh-water Mollusca from New Providence Isle, Bahamas, by W. Bendall. — 5) Notes on two cases of the transport and survival of Terrestrial Mollusca in the New Forest, by T. Leighton. — E. R. Sykes, Hon. Sec.

#### 5. Зоологическое Отдѣленіе Императорскаго Общества Любителей Естествознанія, Антропологии и Этнографіи. (Zoologische Abtheilung der kaiserlichen Gesellschaft der Freunde der Naturwissenschaften, Anthropologie und Ethnographie.)

Sitzung des 7. (19.) Februar 1895. — Я. П. Щелкановцевъ (J. P. Schelkanovzew) machte eine Mittheilung über die Mundtheile von *Pulex irritans*. Es gelang dem Referenten folgende neue Thatsachen zu beobachten: 1) im Labium existieren, entgegen den Beobachtungen von Landois, sowohl Längs- wie Quermuskeln; 2) jede Mandibula hat das Aussehen eines dünnen Rohres, dessen äußere Wand convex, die innere aber concav ist;

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