

III. Mittheilungen aus Museen, Instituten etc.

1. Zoological Society of London.

17th February, 1885. — A report was read on the additions that had been made to the Society's Menagerie during the month of January 1885, and special attention was called to a Black-and-Yellow Hawfinch (*Mycerobas melanozanthus*) from Northern India, and an Andaman Starling (*Sturnia andamanensis*) from the Andaman Islands, new to the Society's Collection; and to a young male European Moose (*Alces machlis*), presented by Evelyn Hubbard, Esq. — Mr. F. E. Beddard, F.Z.S., read a paper upon the structure of the Cuckoos (Cuculidae), and pointed out the differences in the pterylosis and the structure of the syrinx in the various forms which he had examined. It was proposed to divide the family into three subfamilies: Cuculinae, Phoenicophainaе, and Centropodinae. — Mr. F. E. Beddard read a paper upon the heart of *Apteryx*, and called attention to the variations in the condition of the right auriculo-ventricular valve observed in different individuals of this bird. — A communication was read from Mr. M. Jacoby containing the first part of an account of the Phytophagous Coleoptera obtained by Mr. George Lewis during his second journey in Japan, from February 1880 to September 1881. — P. L. Sclater, Secretary.

2. Linnean Society of London.

5th February, 1885. — A paper was read on the *Arbaciadae* Gray, part I. The morphology of the Test in the genera *Coelopleurus* and *Arbacia*, by Prof. P. Martin Duncan and W. Percy Sladen. The species of recent and fossil *Coelopleurus* and the recent forms of *Arbacia* examined, present some structural details of both primary and secondary Classificatory importance, which have hitherto been neglected and not recorded. The ambulacral plates differ from those of all other Echinoidea in the arrangement of the triplets, there being a central primary plate with an adoral and an aboral demi-plate. It is shown that there are no additional plates near the peristome in the species of *Arbacia*. The structure of the sutures especially of the median interradians is a modification of the doubling which has been described in *Temnopleurus*, by one of the authors. The double optic pore noticed by Lovén occurs in the fossil species of *Coelopleurus* and in *C. Mailardi*, a recent species. The authors compare the different forms and exclude *Arbacia nigra* from the genus *Arbacia*. The next part will deal with the classification. — Mr. W. F. Kirby, read a paper »On the Employment of the names proposed for genera of Orthoptera previously to 1840«. The author shows the application of every name proposed from the time of Linné to the publication of Serville's »Histoire Naturelle des Insectes Orthoptères« and he appends a full bibliography of the subject. — J. Murie.

3. Linnean Society of New South Wales.

31st December, 1884. — 1) Botanical. 2) Geological. — 3) Note on an apparently New Parasite affecting Sheep. By R. von Lendenfeld. In several localities sheep were affected by a disease, similar in appearance to Epithelial cancer, which appeared on the feet behind the hoofs and on the lips. The histological investigation shows, that the Rete Malphigii is inflamed and the Papillae attain a very large and abnormal size: the outer layer

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Artikel/Article: [1. Zoological Society of London 139](#)