

4. Über *Sphaerularia bombi*. (Nachtrag und Berichtigung.)

Von Dr. Rud. Leuckart, Leipzig.

eingeg. 5. Mai 1885.

Es war ein Irrthum, wenn ich in meiner Mittheilung über die Entwicklung der *Sphaerularia* das Ovarium nach der Umstülpung der Vagina noch eine längere Zeit hindurch im Wurmkörper verweilen und hier zu einer schlingenförmig gebogenen Röhre auswachsen ließ. Was ich dafür gehalten, war die Wandung des Darmes, die sich nach dem Hervortreten des Genitalapparates in eigenthümlicher Weise verändert zeigt. Dieser Darm bildet auch, wie ich auf Schnitten nachträglich constatirt habe, mit seinen Zellen den Ausgangspunct des der *Sphaerularia* zugehörigen Zellenkörpers, die den Schlauch nicht bloß in ganzer Länge durchsetzt, sondern auch mit den Enden desselben, besonders dem hinteren, fest verbunden ist. Ovarium und Uterus sind anfangs, so lange sie noch eine geringe Entwicklung besitzen, von den Zellen desselben, die im Laufe der Zeit theilweise bis zu der colossalen Größe von einem Millimeter (mit 8—10 Kernen) heranwachsen, umschlossen. Der die *Sphaerularia* erzeugende Wurmkörper geht nicht selten schon frühe, schon vor dem Eintritte der weiblichen Geschlechtsreife verloren.

III. Mittheilungen aus Museen, Instituten etc.

1. Zoological Society of London.

5th May, 1885. — The Secretary read a report on the additions that had been made to the Society's Menagerie during the month of April, and called special attention to a pair of Rhinoceroses, apparently referable to the Sumatran species (*Rhinoceros sumatrensis*); to a Tibetan Wild Ass (*Equus hemionus*), received on deposit; and to two Gouldian Grass-Finches (*Poephila Gouldiae*), presented by Mr. C. N. Rosenfeld. — A communication was read from Mr. Jean Stolzmann, containing observations on the theory of sexual dimorphism. — Mr. J. Bland Sutton, F.Z.S., read a paper on hypertrophy and its value in evolution, in which he attempted to show that material changes in structure might be the result of what was originally a pathological condition. — Mr. E. T. Newton, F.Z.S., read a paper on the remains of a gigantic species of bird (*Gastornis Klaasseni*), which had been obtained by Mr. H. M. Klaassen from the »Woolwich and Reading Beds« of the lower Eocene series. The author observed that these fossils proved that in early Eocene times England was inhabited by a race of birds which equalled in their proportions some of the more massive forms of the New-Zealand-Moas. — A communication was read from Mr. R. B. Sharpe, F.Z.S., containing

the description of a new species of Hornbill from the island of Palawan, which he proposed to name *Anthracoceros Lemprieri*. — Prof. E. Ray Lankester, F.R.S., read some notes on the right cardiac valve of the specimens of *Apteryx* dissected by Sir Richard Owen in 1841. — A communication was read from Lieut.-Col. C. Swinhoe, F.Z.S., being the third of his series of papers on the Lepidoptera of Bombay and the Deccan. The present paper treated of the second portion of the Heterocera. — A communication was read from Dr. St. George Mivart, F.R.S., containing a correction of a statement concerning the structure of *Viverricula* contained in a former paper.

19th May, 1885. — A letter was read from the Rev. G. H. R. Fisk, C.M.Z.S., respecting the capture of a Sea-Snake amongst the rocks at the entrance to Table Bay, which he believed to be referable to *Pelamis bicolor*. — A letter was read from Mr. B. Crowther, stating that he was about to send the Society a pair of Duckbills (*Ornithorhynchus paradoxus*), and giving some instructions as to the treatment of these animals in captivity. — Mr. F. Day, exhibited and made remarks on a curious specimen illustrative of an extensive injury to the intestines of a Trout and its subsequent recovery therefrom. — Mr. Day also exhibited a piece of the sifting-apparatus of the Basking-Shark, together with specimens of the food upon which it lives; and an example of the Vendace taken in Derwentwater Lake. — Mr. Osbert H. Howarth exhibited a specimen of coral of the genus *Dendrophyllia* attached to a brown stoneware bottle, which had been dredged up in the Atlantic, off Madeira, at a depth of about 15 fathoms. — A communication was read from Prof. J. von Haast, C.M.Z.S., on *Dinornis Oweni*, in which the author gave a detailed description of the bones of this recently discovered new species of the extinct wingless birds of New Zealand, which was remarkable for its small size. — A communication was read from Dr. St. George Mivart, F.R.S., containing notes on the genetic affinities of the group of Pinnipeds. — Dr. F. H. H. Guillemard read the third part of his report on the collection of birds formed during the voyage of the yacht 'Marchesa'. The paper dealt with the birds obtained on the island of Sumbawa, a locality hitherto almost unknown to ornithologists. During the 'Marchesa's' short visit examples of thirty-nine species were collected. Of these, two (*Turnix Powelli* and *Zosterops sumbavensis*) were new to science. The remaining species had been previously recorded from islands to the eastward or westward in the same group. — A communication was read from Dr. Hubrecht, C.M.Z.S., containing the description of a Pennatulid obtained by Capt. St. John in the Japanese sea at a depth of 71 fathoms. A careful examination of the specimen in question induced the author to assign it to a new genus and species, which he proposed to name *Echinoptilum Mackintoshii*. — Mr. Herbert Druce, F.Z.S., read a paper on some new species of Lepidoptera-Heterocera, founded on specimens obtained by the late Mr. C. Buckley in Ecuador, to which were added descriptions of some recent acquisitions of the same group from various other localities. — Mr. F. D. Godman, F.R.S., read descriptions of the Lepidoptera collected by Mr. H. H. Johnstone on Kilimandjaro. The collection contained examples of twenty-one species of the Rhopalocera and six of Heterocera. Of the Rhopalocera the author described three species as new. — P. L. Sclater, Secretary.

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