

up the Gambia River to the end of its navigable waters, and specimens of the heads of those obtained were laid on the table. A collection of Gambian birds was also exhibited. — A communication was read from Mr. L. A. Borradaile, F.Z.S., in which it was shown that both genera (*Coenobita* and *Birgus*) of the Pagurine Land-Crabs (*Coenobitidae*) are hatched in the Zoëa-stage. — Dr. W. G. Ridewood read a paper on the relations of the efferent branchial blood-vessels to the circulus cephalicus in the Teleostean Fishes, based upon an examination of specimens of sixty-one species. He demonstrated the great variation that is met with in the arrangement of the efferent vessels, and discussed the possibility of utilizing the characters as a means of arriving at a natural classification of the group. — Mr. G. A. Boulenger, F.R.S., read a paper on the Reptiles, Batrachians, and Fishes collected by the late Mr. John Whitehead in the interior of Hainan. The collection contained specimens of 15 species, embracing 4 species of Reptiles, 6 of Batrachians, and 5 of Fishes. Of these, 2 species of Reptiles, 3 of Batrachians, and 3 of Fishes were described as new. — A communication was read from Dr. A. G. Butler, F.Z.S., on a collection of Butterflies made by Mr. Richard Crawshay in British East Africa. Sixty-eight species were enumerated and remarked upon, of which four were described as new. — A second communication from Dr. Butler contained a list of a small collection of Butterflies made by Capt. Hobart, of the Grenadier Guards, in the Nandi District of the Uganda Protectorate. Of the 17 species represented in the collection, one (*Cymothoe Hobarti*) was described as new. — A communication was read from Mr. J. Y. Johnson, C.M.Z.S., containing a note on the habit and mode of growth of the Corals belonging to the genus *Pleurocorallium*. — Mr. W. E. de Winton, F.Z.S., made some supplementary remarks to those published in the 'Proceedings' for 1898 (p. 900), on the moulting of the King Penguin (*Aptenodytes Pennanti*) now living in the Society's Gardens. — P. L. Selater, Secretary.!

2. Linnean Society of New South Wales.

October 25th, 1899. — 1) Botanical. — 2) Studies in Australian Entomology. No. 9. New Species of *Carabidae* with Notes on previously described Species. By Thomas G. Sloane. — 3), 4), and 5) Botanical. — 6) Résumé of what is known of the Life-history of the Tick Fever Parasite. By R. Greig Smith, M.Sc., Macleay Bacteriologist. The youngest recognised form of *Apiosoma bigeminum* is a minute body which changes its shape as it moves about in the blood corpuscle or serum. This is succeeded by an amoeboid form which enlarges and ultimately becomes the mature pearshaped body. It is probable that the so-called vacuole of the mature form is in reality a capsule. The parasite is found in cattle, but it is possible that it may attack other animals, since in these a similar parasite has been found. The rôle of the tick as an infecting agent is discussed. — Mr. Stead exhibited some interesting specimens of a Phasmid from Tanna, New Hebrides; also a preparation of the crustacean, *Ibacus Peronii*, Leach, from Port Jackson, showing both ventral and dorsal aspects and the oral appendages. — Mr. H. S. Mort exhibited an unusually large emu egg measuring $6\frac{3}{4} \times 4\frac{1}{4}$ inches, obtained near Byrock.

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