

a detailed account of its anatomy. — A communication was read from Mr. R. J. Lechmere Guppy, C.M.Z.S., containing an account of some Foraminifera from the Microzoic Deposits of Trinidad. — Mr. Arthur E. Shipley read notes on some Nematode Parasites obtained from animals formerly living in the Society's Gardens. — Messrs. F. E. Beddard, F.R.S., and P. Chalmers Mitchell, F.Z.S., gave an account of the anatomy of *Pala-medea cornuta* as compared with that of its allies. — A communication was read from Dr. A. G. Butler, F.Z.S., giving an account of a collection of Lepidopterous Insects made by Dr. J. W. Gregory during his recent expedition to Mount Kenia. The specimens were referred to 215 species, of which 10 were stated to be new to science. — P. L. Sclater, Secretary.

2. Linnean Society of New South Wales.

April 25th, 1894. — 1) A Contribution to a further Knowledge of the Cystic Cestodes. By James P. Hill, F.L.S. The paper treats of: a) *Piesticystis hoplocephali*, n. sp., found encysted in a snake (*H. superbus*). The cyst wall consists of an outer fibrous and an inner homogeneous layer, and closely invests the enclosed Cysticercus. The latter is chiefly remarkable in the possession of a rudimentary frontal sucker, and possesses also a small irregular bladder-cavity bounded by thick walls. b) *P. lialis*, n. sp., a somewhat remarkable proliferating species from the lizard *Lialis*. Each cyst contains from one to three cysticerci lying quite free in the cavity of the cyst. The cyst wall is composed of an outer fibrous and an inner thin homogeneous layer with nuclei on its inner face. The cavity of the cyst is occupied by a branching cellular network, processes of which are in continuity with the inner homogeneous lining of the cyst cavity. The author regards the inner layer of the cyst wall in *P. hoplocephali*, and the inner lining of the cyst together with the cellular network in *P. lialis*, as direct derivatives of the six-hooked embryo, and as corresponding to the so-called cyst of Monocerci, to what Villot terms the blastogen or blastogenic vesicle. The relationships of the genus *Piesticystis* are considered, and the author is led to regard it as intermediate between the Cysticerci properly so called and the Cysticercoids. c) A new species of *Monocercus* from the earthworm *Didymogaster*. The Cysticercoid is surrounded by an outer cuticular layer, beneath which is a layer of large cells whose cell-walls are continuous with the outer layer. The author regards the outer cellular wall and the enclosed Cysticercoid as the entire product of the six-hooked embryo. d) The development of the scolex of *Synbothrium*, a Tetrarhynchid. The scolex, consisting of head and neck, is shown to arise from the bottom of the invagination sac as a knob-shaped process which by subsequent elongation and internal differentiation gives rise to the fully-formed scolex. — 2) Notes on Australian Coleoptera, with Descriptions of new Species. Part XV. By the Rev. T. Blackburn, B.A., Corr. Mem. One genus and twenty-nine species from various parts of Australia and Tasmania are described as new. — 3) Ethnographical. — 4) On the Life-History of Australian Coleoptera. Part II. By W. W. Froggatt. An account of the life-histories of beetles bred during the season 1892—93, with a notice of their food-plants. The following species are treated of:—*Scolecobrotis Westwoodi*, Hope; *Uracanthus Froggatti*, Blackb.; *Symphyletes Solandri*, Fab.; *Skeltodes tetrops*, Newm.; *Stephanops nasuta*, Newm.; *Syllitus grammicus*, Newm.; *Pentacosmia scoparia*, Newm.; *Bethelium signiferum*,

Newm.; *Neissa inconspicua*, Pasc.; *Lygesis mendica* Pasc.; *Sybra acuta*, Pasc., *Ceratogaster Froggatti*, Blackb.; *Diaphonia dorsalis*, Don.; *Paracephala cyaneipennis*, Blackb.; *Apate collaris*, Bohem.; *Oxyops concreta*, Pasc.; *O. Hopei*, Bohem.; and *Orthorrhinus Klugi*, Bohem. — 5) On some naked Australian Marine Mollusca. Part I. By C. Hedley, F.L.S. Under this heading a description and drawings are presented of the external appearance of *Oscanius Hilli*, n. sp., a huge sea slug from Sydney Harbour and Broken Bay, of a genus not known before from the South Seas. — 6) Observations upon the Anatomy and Relations of the »dumb-bell-shaped Bone« in *Ornithorhynchus*, with a new Theory of its Homology; and upon a hitherto-undescribed Character of the Nasal Septum in the genera *Ornithorhynchus* and *Echidna*. By J. T. Wilson, M.B., Professor of Anatomy in the University of Sydney. The full text of the paper a preliminary Note to which was communicated at last Meeting (*vide* Abstract, March 28th, 1894, p.VII). — 7) Botanical. — 8) Description of some new Species of *Araneidae* from New South Wales. No. IV. By W. J. Rainbow. Two new Sydney spiders are described and figured — *Drassus perelegans* and *Cyrtarachne caliginosa*, g. et sp. n. — 9) Botanical. — 10) List of Mollusca collected at Green Point, Watson's Bay, by A. U. Henn, F. L. S., with Descriptions of new Species. By John Brazier, F.L.S., C.M.Z.S. The specimens on which this list is based (in number 1365, representing 154 species) were contained in a discarded bottle found in a rock pool accessible only at very low tides. A genus new to Australia and several new species are recorded. — 11) On a new *Patella* said to have been found at the Kermadec Islands. By John Brazier, F.L.S., C.M.Z.S. — 12) Botanical. — Mr. Brazier exhibited the large *Patella* mentioned in his paper, and pointed out that its habitat was not the Kermadec Islands but South Africa. Mr. H. A. Pilsbry's specific name *kermadecensis* being therefore a misnomer, he proposed to rename the species *P. Pilsbryi*, Brazier. Also a magnificent new Cone, *Conus pulcherrimus*, Brazier, $3\frac{1}{2}$ inches long, acuminate at both ends, dotted and reticulated with white and light yellow, deeply and spirally sulcated at the base; spire with 15 whorls, sulcated at the sutures and smooth below. From Tanna, New Hebrides, found on the beach with other mollusca, thrown up after a sub-marine volcanic eruption in 1878. — Mr. Hedley showed samples of young oysters from Vacluse Bay destroyed by the operations of a boring mollusc, *Ricinula marginatra*, Blainv., together with examples of the latter; and he communicated a Note on the subject which will be given in extenso in the Proceedings. — Mr. Froggatt showed specimens of the beetles referred to in his paper, and of adult females of a destructive Floridan Coccid, *Icerya rosae*, Riley and Howard, from the vicinity of Sydney, respecting which he communicated a note which will appear in the Proceedings. — Mr. E. R. Waite exhibited a very young example (80 mm long) of *Hemisphaeriodon gerrardii*, Gray, and he pointed out the changes in colour which take place by the time the adult stage is reached. The species in New South Wales has been recorded only from the Northern River Districts; the specimen exhibited was from the Kurrajong.

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Während des Monats August bitte ich alle den Zoologischen Anzeiger betreffenden, an mich zu richtenden Mittheilungen an die Verlagshandlung von W. Engelmann zu adressieren. Prof. J. Victor Carus.

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

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