

cent.).—On β -oxycinchonine, by MM. E. Jungfleisch and E. Léger. The preparation and properties of this compound are given in detail, and thirteen of its salts are described. β -oxycinchonine is an energetic diacid base; it turns litmus blue, and reddens phenolphthalein.—Action of chlorine on the secondary alcohols, by M. A. Brochet. The action of chlorine on alcohols of the type $R.CHOH.CH_3$ yields ketones of the form $R.CO.CCl_3$, the radical R being also chlorinated to the extent characteristic of the radical.—On the industrial preparation and physiological properties of the oxalate and of the crystallised salts of nicotine, by MM. H. Parenty and E. Grasset. The mortal dose of pure nicotine is 20–21 mgm. per kilogram weight of animal. The fatal dose in the combined state is much larger. An animal slowly accustomed to the action of the poison can support daily a dose greater than that fatal in ordinary cases.—On pine tar, by M. Adolphe Renard.—Remarks on the muscles and bones of the hind limb of *Hatteria punctata*, by M. A. Perrin.—Comparative study of the lobed and reticulated Rhizopoda of fresh water, by M. Félix Le Dantec.—On the nests of *Vespa crabro*, L.; order of appearance of the earlier cells, by M. Charles Janet.—The fragments of the uppermost stratum of Ubaye, by MM. E. Haug and W. Kilian.—On the conditions of propagation of typhoid fever, cholera, and exanthematous typhus, by M. Renard.

NEW SOUTH WALES.

Linnean Society, November 28, 1894.—The President, Prof. David, in the chair.—Re-description of *Aspidites ramsayi*, Maccl., by Edgar R. Waite.—A review of the fossil jaws of the *Macropodidae* in the Queensland Museum., by C. W. De Vis. The very fine collection of over eleven hundred dissociated jaws or portions of jaws in the Queensland Museum has been studied in the light of a knowledge of the nature and range of the variations, individual and specific, presented by the skulls of 479 individuals referable to sixteen existing species. The following species were described as new: *Palorchestes parvus*, *Sthenurus pales*, *S. orcas*, *Halmaturus vinceus*, *H. thor*, *H. dryas*, *H. odin*, *H. indra*, *H. siva*, *H. vishnu*, *Macropus magister*, *M. pan*, and *M. jawnus*.—Notes on some Land Planarians collected by Thos. Steel, Esq., on the Blue Mountains, N.S.W., by Dr. A. Dendy.—On a British bivalve mollusc found in Australia and Tasmania, with its distribution; and on a new sub-genus of *Trochidae*, by J. Brazier.—*Cryptodon flexuosa*, Montagu, was recorded for the first time from Port Stephens, N.S.W., and Esperance Bay, Tasmania.—The name *Solanderia*, Fischer (1880), being preoccupied by Duchassaing and Michelotti (1846), it was proposed to replace it by *Rossiteria*.—Description of a new Australian eel, by J. Douglas Ogilby.—*Gymnothorax prionodon*, sp.n., from Port Jackson, appeared to be closely allied to the Atlantic species *G. ocellatus*.—On a new Typhlops previously confounded with *T. unguirostris*, Peters, by G. A. Boulenger, F.R.S.—Botanical notes from the Technological Museum (part iii.), by J. H. Maiden and R. T. Baker. The writers gave a list, with localities, of plants new to New South Wales; also notes on some rare or little known plants indigenous to the colony.—On a new species of *Enteropneusta* from the coast of New South Wales, by James P. Hill. The name *Ptychodera australiensis* was proposed for the first described Australian species of Enteropneusta. It is specially characterised externally by the great development of the genital wings which completely hide the gill-area, and extend far into the hepatic region, and by the presence of two longitudinal epidermal stripes overlying the two ciliated bands of the intestine. In the mode of formation of the proboscis pore, it appears to be the most variable of all *Enteropneusta* hitherto described. The most interesting points in its internal anatomy are the presence of a median longitudinal infolding of the ventral wall of the heart bladder into the cavity of the same, the presence of a transverse vessel between the different proboscis vessels, and the much branched condition of the gonads.—On a Platypus embryo from the intrauterine egg, by J. P. Hill and C. J. Martin. The embryo described was taken from one of two eggs just ready to be laid. The eggs measured 18 mm. by 13.5—being somewhat larger than the eggs described by Caldwell. The embryo more nearly resembled that of the Virginian opossum (*Didelphys*) of seventy-three hours, described by Selenka, than any other embryo known to the authors. The Platypus embryo is, however, much longer.

BOOKS, PAMPHLET, and SERIALS RECEIVED.

BOOKS.—A Monograph of the Mycetozoa: A. Lister (London, Brit. Mus.).—Reisen in den Molukken: Prof. K. Martin, 2 Vols. Text and Plates (Leiden, Brill).—Harvard College, by an Oxonian: Dr. G. B. Hill (Macmillan).—Annuaire, 1895, par le Bureau des Longitudes (Paris Gauthier-Villars).—La Fabrication des Eaux-de-Vie: L. Jaquet (Paris, Gauthier-Villars).
PAMPHLET.—An Essay on Southerly Bursters: H. A. Hunt.
SERIALS.—Natural Science, January (Rait).—Astronomy & Astro-Physics, December (Wesley).—Journal of the Royal Microscopical Society, December (Williams).—Bulletin de L'Académie Impériale des Sciences de St. Pétersbourg, September, October, November (St. Pétersbourg).—Bulletin of the American Mathematical Society, December (New York, Macmillan).—Humanitarian, January (Hutchinson).—Century Magazine, January (Unwin).—Contemporary Review, January (Isbister).—Natural History of Plants, Part 9: Kerner and Oliver (Blackie).—Fortnightly Review, January (Chapman).—Séances de la Société Française de Physique, 1894, 3^e fasc. (Paris).—School Review, December (Hamilton, New York).—Zeitschrift für Physikalische Chemie, xv. Band, 4 Heft (Leipzig, Engelmann).—New Review, January (Heinemann).—Bulletin de la Société de Géographie, 3^e Trim. 1894 (Paris).—Geological Magazine, January (Dulau).—Mind, January (Williams).—National Review, January (Arnold).—Cornhill Magazine, January (Smith, Elder).—Journal of the Royal Agricultural Society of England, Third Series, Vol. v. Part 4, No. 20 (Murray).—Annals of Scottish Natural History, January (Edinburgh, Douglas).—Internationales Archiv für Ethnographie, Band vii. Heft 5 and 6, and Supplement zu Band vi. (Leiden, Brill).—Quarterly Journal of Microscopical Science, December (Churchill).—Essex Naturalist, Nos. 6–10, Vol. viii. (Chelmsford, Durrant).—Scribner's Magazine, January (S. Low).—Phonographic Quarterly Review, No. 2 (Putman).—Memoirs and Proceedings of the Manchester Literary and Philosophical Society, Fourth Series, Vol. 8, No. 4 (Manchester).—Science Progress, January (Scientific Press).—Round the World, Part 1 (Newnes).—Medical Magazine, January (140 Strand).

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