

On the composition of the hydrochloroferric colloid as a function of the amount of HCl in the liquid: G. **Malfitano**.—On some aromatic ethylene oxides: MM. **Fourneau** and **Tiffeneau**. A study of the conditions under which the ethylene oxides tend to pass over into aldehydes.—New researches on the development of green plants: Jules **Lefèvre**. The author's experiments lead to the same conclusion as those of Moll and Cailletet, if carbonic acid is absorbed by the roots it is not utilised by the plant.—An analysis of some anthropometric measurements of men and women of the gipsies: Eugène **Pittard**.—Serotherapy in cases of bleeding: Émile **Weil**. In the cases known as "bleeders," in which a slight wound continues to bleed, it is shown that this effect is due to a property of the blood itself. This disease can be remedied by the injection of normal human or bovine serum. Details are given of the cure of one case, who, on the twenty-fifth day after the last injection, for the first time in his life, had a tooth removed with only the normal loss of blood.—The distribution of fine sediment on the bed of the ocean: J. **Thoulet**.

NEW SOUTH WALES.

L nnean Society, August 30.—Mr. T. Steel, president, in the chair.—Crustacea dredged off Port Jackson in deep water: F. E. **Grant**. Six species of Malacostraca were taken, of which four species, referable to the genera Hyastenus, Cymonomops, Latreillopsis, and Paguristes, are described as new. Of the remaining two species, *Ebalia tuberculosa* and *Ibacus alticrenatus*, only the former has previously been recorded as belonging to our fauna.—Notes on Prosobranchiata, No. 4, the ontogenetic stages represented by the gastropod protoconch: H. Leighton **Kesteven**. The present contribution is a continuation of the writer's attempts to unravel the puzzles presented by the gastropod protoconch. He finds that he is able to define four stages of growth represented, and supposes an "ideal" protoconch to be composed of (1) the "plug" of the primitive shell gland; (2) a portion formed by the veliger; (3) a portion formed during the nepionic stage; and finally (4) a portion formed during early neanic stages.—On a new species of Eucalyptus from northern New South Wales: J. H. **Maiden**. This is a large white gum, much resembling the blue gum (*E. saligna*) when growing, and the timber of which is specially esteemed. Its timber, however, as compared with that of *E. saligna*, is white from the sap to the heart. Its closest affinity appears to be with *E. Deanei*, Maiden.—A gelatin-hardening bacterium: R. Greig **Smith**. The bacterium was isolated from the tissues of *Schinus molle*, which was exuding a turquoise coloured gum-resin. When it was grown upon ordinary glucose gelatin, the medium became deep brown in colour, and was not liquefied when heated to the boiling point of water. Tannin, formaldehyde, or oxidising enzymes could not be detected.—On the supposed numerical preponderance of the males in Odonata: R. J. **Tillyard**. Reasons are given for concluding that the ratio of the numbers of the sexes in the dragon-flies or Odonata is a ratio of equality. The idea of the preponderance of the males, suggested largely by the examination of collections, and voiced from time to time by naturalists, has not been confirmed by experience in rearing a large number of nymphs of *Lestes leda*.

DIARY OF SOCIETIES.

THURSDAY, NOVEMBER 2.

CHEMICAL SOCIETY, at 8.30.—Solution and Pseudo-solution, part iv., Some of the Arsenious Properties of Arsenious Sulphide and Ferric Hydrate: E. Linder and H. Picton.—The Molecular Conductivity of Water: P. Blackman.—The Stereoisomerism of Substituted Ammonium Compounds: H. O. Jones.—The Influence of very Strong Electromagnetic Fields on the Spark Spectra of Ruthenium, Rhodium, and Palladium: J. E. Purvis.—Note on the Fluorides of Selenium and Tellurium: E. B. R. Prideaux.—The Constitution of Glutaconic Acid: J. F. Thorpe.—Some Alkyl Derivatives of Glutaconic Acid and of 2:6-Dioxypyridine: H. Baron and J. F. Thorpe.—Note on the Formation of 3-Methylglutaconic Acid and of $\alpha\beta$ -Dimethylglutaconic Acid: F. V. Darbishire and J. F. Thorpe.
LINNEAN SOCIETY, at 8.—Plant Ecology, interpreted by Direct Response to the Conditions of Life: Rev. G. Henslow.

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RÖNTGEN SOCIETY, at 8.15.—The Ruhmkorff Coil: Prof. Wertheim-Salomonsen.
CIVIL AND MECHANICAL ENGINEERS' SOCIETY, at 8.—Sea Defences: Baron H. T. H. Siccama.

FRIDAY, NOVEMBER 3.
GEOLOGISTS' ASSOCIATION, at 8.—Conversazione.

MONDAY, NOVEMBER 6.
ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Introductory Remarks: The President, Sir George D. T. Goldie, K.C.M.G., F.R.S.—Travels in the Mountains of Central Japan: Rev. Walter Weston.
SOCIETY OF CHEMICAL INDUSTRY, at 8.—Evaporation *in vacuo* of Solutions containing Solids: Dr. J. Lewkowitsch.

WEDNESDAY, NOVEMBER 8.
GEOLOGICAL SOCIETY, at 8.

THURSDAY, NOVEMBER 9.
MATHEMATICAL SOCIETY, at 5.30.—Annual General Meeting.—The Continuum and the Second Number-class: G. H. Hardy.—On the Arithmetical Nature of the Coefficients in a Group of Linear Substitutions of Finite Order (second paper): Prof. W. Burnside.—On the Asymptotic Value of a Type of Finite Series: J. W. Nicholson.—On an Extension of Dirichlet's Integral: Prof. T. J. I'A. Bromwich.—(1) On Improper Multiple Integrals; (2) On the Arithmetic Continuum: Dr. E. W. Hobson.
INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Inaugural Address: John Gavey, C.B.

FRIDAY, NOVEMBER 10.
ROYAL ASTRONOMICAL SOCIETY, at 5.
PHYSICAL SOCIETY, at 8.

MALACOLOGICAL SOCIETY, at 8.—(1) Descriptions of New Species of Drymaeus, Amphicyclotus, and Neocyclus from Central and South America; (2) Description of a New Species of Achatina from Mashonaland: S. I. Da Costa.—On a Collection of Land and Freshwater Shells from Sumatra with Descriptions of New Species, part i.: Rev. R. Ashington Bullen. On a New Species of Oliva: F. G. Bridgman.—On the Anatomy of *Ensis macha* and *Solen fonesii* and *S. viridis*: H. H. Bloomer.

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