

with the products of hydrolysis of egg-albumin, but the ratios in which the various substances are produced differ in the two cases.—The liquid crystals of ammonium oleate: Fred. **Wallerant**.—The indirect actions of electricity on germination: Pierre **Lesage**.—The histological structure and development of the osseous tissue in ectromelian monsters: J. **Salmon**.—Cytology and pathogeny of spermatid cysts: J. **Sabrazès**.—The development of polygenesis and the theory of concrescence: Jan **Tur**.—The dislocations of the edge of the Central Plateau between Voulté and Vans (Ardèche): Émile **Haug**.—The Jurassic strata in Greece: Carl **Renz**.—The archæan substratum of the globe and the mechanism of geodynamical actions: E. **Jourdy**.—The circumzenithal rainbow: Louis **Besson**.

NEW SOUTH WALES.

Linnean Society, September 26.—Mr. T. S. eel, president, in the chair.—The sound (and lake) basins of New Zealand and the cañons of Eastern Australia in their bearing on the theory of the peneplain: E. C. **Andrews**. An attempt, from an examination of Eastern Australian and New Zealand geographical types, to prove Prof. Davis's contention that the greater number of plateaus of erosion are elevated *peneplains* formed at or near sea-level. Streams speedily cut profound cañons, the bases of which, even prior to the passing away of the individuality of the central plateau, approximate closely to the level of the main water body into which they are discharging. Large floods determine these channel grades, the normal stream being functional in aggrading the holes formed *below* main or temporary base-level by the storm waters. The lake and sound basins of New Zealand represent holes ploughed out below base-level by swiftly converging glaciers, and are analogous to the deep flood holes found in river beds.—A correlation of contour, climate, and coal: a contribution to the physiography of New South Wales: T. Griffith **Taylor**. It is submitted that the rivers of the Murray-Darling system show evidence of the influence of Ferrel's law on their courses. The gap in the Great Divide situated near Cassilis is due to the shifting of the Divide by the Goulburn River. The cutting action of this river has been determined by the lower "coefficient of resistance" of the Permo-Carboniferous Coal-measures. The relation of the temperature lines and of the lines of rainfall is shown to be influenced by this Geocol.—The stinging property of the giant nettle-tree (*Laportea gigas*, Wedd.): Dr. J. M. **Petrie**. The physiological action is shown to be due to the free acid existing in a concentrated form in the hairs, which are hollow siliceous tubes, and it differs from the sting of the common nettle only in degree. *Laportea* contains ninety times more free acid than the common nettle.—A striking example of river-capture in the coastal districts of New South Wales: Dr. W. G. **Woolnough** and T. Griffith **Taylor**. The authors have examined the topographical relations of the bend in the Shoalhaven River near Marulan. Field evidence shows the existence of a fairly well-defined ancient river-channel connecting the Shoalhaven and Wollondilly watersheds. Along this line are well-defined coarse river-gravels derived from the southward. The structure of this former river-channel is described. It is pointed out that other instances of capture of Wollondilly water by branches of the Shoalhaven are imminent, for instance, in the neighbourhood of Bundanoon.—Supplement to the "Revision of the Cicindelidæ of Australia": Dr. T. G. **Stoane**.—Descriptions of new species of Lomaptera (Coleoptera: Scarabæidæ, subfamily Cetonidæ): A. M. **Lea**. Two species are described, from specimens obtained by Mr. H. Hacker at Coen, N.Q., a district which appears to be rich in showy beetles, especially in Cetonids and Longicorns.

DIARY OF SOCIETIES.

THURSDAY, NOVEMBER 15.

ROYAL SOCIETY, at 4.30.—Calcium as an Absorbent of Gases, and its Applications in the Production of High Vacua and for Spectroscopic Research: F. Soddy.—A Method of Gauging by Evaporation the Degree of High Vacua (Addendum to Mr. F. Soddy's Paper): A. J. Berry.—The Effect of Temperature on the Activity of Radium and its Transformation Products: Dr. H. L. Bronson.—On the Refractive Indices of Gaseous Potassium, Zinc, Cadmium, Mercury, Arsenic, Selenium and Tellurium:

C. Cuthbertson and E. P. Metcalfe.—The Photo-electric Fatigue of Zinc: H. S. Allen.
CHEMICAL SOCIETY, at 8.30.—On the Determination of the Rate of Chemical Change by Measurement of Gases Evolved: F. E. E. Lamplough.—Xanthoxalanil and its Analogues: S. Ruhemann.
LINNEAN SOCIETY, at 8.—Recent Researches in Norway: Horace W. Monckton.
FRIDAY, NOVEMBER 16.
INSTITUTION OF MECHANICAL ENGINEERS, at 8.—Steam as a Motive Power for Public Service Vehicles: T. Clarkson.
MONDAY, NOVEMBER 19.
LONDON INSTITUTION, at 5.—Musical Sands: Cecil Carus-Wilson.
ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—The Seychelle Islands: J. Stanley Gardiner.
SOCIOLOGICAL SOCIETY, at 8.—Japanese Character: Prof. Motora.
SOCIETY OF ARTS, at 8.—The Nutrition of the Plant: A. D. Hall.

TUESDAY, NOVEMBER 20.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Single-phase Electric Traction (Discussion): C. F. Jenkin
ROYAL STATISTICAL SOCIETY, at 5.—Presidential Address: Sir Richard B. Martin, Bart.
ANTHROPOLOGICAL INSTITUTE, at 8.15.—A Visit to the Hopi Indians of Oraibi: W. Crewdson.—On the Relative Statures of Men with Long Heads, Short Heads, and those with Intermediate Heads, in the Museum, Driffield: J. R. Mortimer.

WEDNESDAY, NOVEMBER 21.

ENTOMOLOGICAL SOCIETY, at 8.—Studies of the Blattidæ (ii.): R. Shelford.—Notes on the Life-history of *Trochilium andreæformis*, Lasp.: Hon. N. Charles Rothschild.
ROYAL MICROSCOPICAL SOCIETY, at 8.—The Use of a Top Stop for Developing Latent Powers of the Microscope: J. W. Gordon.
SOCIETY OF ARTS, at 8.—Opening Address by Sir Steuart Colvin Bayley, K.C.S.I.
ROYAL METEOROLOGICAL SOCIETY, at 7.30.—The International Congress on Polar Exploration at Brussels, September 1906: Dr. H. R. Mill.—The Abnormal Weather of the Past Summer, and some of its Effects: W. Marriott.
GEOLOGICAL SOCIETY, at 8.—On the Skull and Greater Portion of the Skeleton of *Goniopholis crassidens*, from the Wealden Shales of Atterfield (Isle of Wight): Reginald W. Hooley.—The Kimeridge Clay and Corallian Rocks of the Neighbourhood of Brill (Buckinghamshire): A. Morley Davies.

THURSDAY, NOVEMBER 22.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: Studies on the Development of Larval Nephridia; Part ii., Polygordius: Dr. Cresswell Shearer.—The Structure of Nerve Fibres: Prof. J. S. Macdonald.—On Opsonins in Relation to Red Blood Cells: Dr. J. O. Wakelin-Barratt.—On the Inheritance of Certain Invisible Characters in Peas: R. H. Lock.—The Influence of Increased Barometric Pressure on Man, No. 2: Leonard Hill, F.R.S., and M. G. Greenwood.
INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Selection and Testing of Materials for Construction of Electric Machinery: Prof. J. Epstein.
FRIDAY, NOVEMBER 23.
PHYSICAL SOCIETY, at 5.—On the Electrical Radiation from Bent Antennæ: Prof. J. A. Fleming.—Auroral and Sun-spot Frequencies contrasted: Dr. C. Chree.—The Electrical Resistance of Alloys: Dr. R. S. Willows.

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