

Fertilisers and Crops, or the Science and Practice of Plant-Feeding. By Dr. L. L. Van Slyke. Pp. xiv+734. (New York: Orange Judd Co.; London: Kegan Paul and Co., Ltd.) 2.50 dollars.

Handwörterbuch der Naturwissenschaften. Edited by E. Korschelt and others. Achte Lief. Pp. 321-480. Neunte Lief. Pp. 545-960. (Jena: G. Fischer.) each 2.50 marks.

Das Tierreich. Edited by F. E. Schulze. 32 Lief. Tunicata, Salpæ I., Desmomyaria. By Dr. J. E. W. Ihle. Pp. xi+67. (Berlin: R. Friedländer & Sohn.)

Allen's Commercial Organic Analysis. Edited by W. A. Davis and S. S. Sadtler. Fourth edition. Vol. vi. Pp. ix+726. (London: J. and A. Churchill.) 21s. net.

A Catalogue of the Vertebrate Fauna of Dumfriesshire. By H. S. Gladstone. Pp. xiv+80+map. (Dumfries: J. Maxwell and Son.)

Tables of Logarithms, Anti-logarithms, and Reciprocals. Pp. 7. (London: C. and E. Layton.) 1s.

Bush Days. By Amy E. Mack. Pp. xii+132. (Sydney: Angus and Robertson, Ltd.; London: Australian Book Co.) 3s. 6d. net.

A Manual of Practical Bio-Chemistry for the use of Students during Introductory Courses. By Dr. H. L. Kesteven. Pp. 64. (Sydney: Angus and Robertson, Ltd.; London: Australian Book Co.) 2s. 6d. net.

Søren Hjorth, Inventor of the Dynamo-Electric Principle. By S. Smith. Pp. v+29. (København: J. Jørgensen and Co.)

Die Entdeckung des Radiums. By Mme. P. Curie. Pp. 28. (Leipzig: Akademische Verlagsgesellschaft m.b.H.) 1.50 marks.

Ueber neuere thermodynamische Theorien. By Prof. Max Planck. Pp. 34. (Leipzig: Akademische Verlagsgesellschaft m.b.H.) 1.50 marks.

Views and Reviews from the Outlook of an Anthropologist. By Sir H. Johnston. Pp. 314. (London: Williams and Norgate.) 3s. 6d. net.

The Essentials of Morbid Pathology. By Prof. A. S. Grünbaum. Pp. xvi+219. (London: Longmans and Co.) 7s. 6d. net.

The Marlborough Country. By H. C. Brentnall and C. C. Carter. Pp. 171. (Oxford University Press.) 2s. 6d. net.

Inorganic Chemistry for Beginners. By the Right Hon. Sir Hy. Roscoe, assisted by Dr. J. Lunt. Second edition. Pp. x+256. (London: Macmillan and Co., Ltd.) 2s. 6d.

Examples in Arithmetic. Part ii. By H. S. Hall and F. H. Stevens. Pp. 117-281+xxiii-xxxix (Answers). (London: Macmillan and Co., Ltd.) 2s.

Heat Engines. By H. A. Garratt. Pp. xi+332. (London: E. Arnold.) 6s.

Contre la Métaphysique: Questions de Méthode. by F. Le Dantec. Pp. 255. (Paris: F. Alcan.) 3.75 francs.

DIARY OF SOCIETIES.

THURSDAY, MAY 16.

ROYAL SOCIETY, at 4.30.—(1) The General Theory of Colloidal Solutions; (2) The Tension of Composite Fluid Surfaces and the Mechanical Stability of Films of Fluid; (3) On the Formation of a Heat-reversible Gel: W. B. Hardy.—(4) Studies on Enzyme Action. XVI. The Enzymes of Emulsin. II. Prunase, the correlate of Prunasin; (2) Studies on Enzyme Action. XVII. Enzymes of the Emulsin Type. II. The Distribution of 8-enzymes in Plants: Prof. H. E. Armstrong, E. F. Armstrong, and E. Horton.—Studies on Enzyme Action. XVIII. Enzymes of the Emulsin Type. III. Linase and other Enzymes in Linacæ: Prof. H. E. Armstrong and J. V. Eyre.—Reflex Rhythm Induced by Concurrent Excitation and Inhibition: Dr. Alexander Forbes.—The Factors in Rhythmic Activity of the Nervous System: T. Graham Brown.

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ROYAL INSTITUTION, at 3.—Ice Formation in Canada. I. The Physical Aspect: Prof. H. T. Barnes, F.R.S.

INSTITUTION OF MINING AND METALLURGY, at 8.—Illogical Precision in Mine Reports: F. Percy Rolfe.—The Law of the Pay-streak in Placer Deposits: J. B. Tyrrell.—Gold and Platinum Alluvial Deposits in Russia: Leon Perret.—A Plant for the Enrichment of Pyritic Blende Concentrates: E. C. Hugon.

INSTITUTION OF ELECTRICAL ENGINEERS, at 7.45.—Annual General Meeting.—At 8.30.—Condensers in Series with Metal Filament Lamps: A. W. Ashton.

ROYAL SOCIETY OF ARTS, at 4.30.—Indian Railways: Neville Priestley.

FRIDAY, MAY 17.

ROYAL INSTITUTION, at 9.—High Frequency Currents: W. Duddell, F.R.S.

MONDAY, MAY 20.

ROYAL GEOGRAPHICAL SOCIETY, at 3.—Anniversary Meeting.

ROYAL SOCIETY OF ARTS, at 8.—Heavy Oil Engines: Captain H. R. Sankey, R.E.

TUESDAY, MAY 21.

ZOOLOGICAL SOCIETY, at 8.30.—Lantern Exhibition of Game Animals from British East Africa: A. Blayney Percival.—The Local Races of Burchell's Zebra: Major J. Stevenson Hamilton.—On Two New Larval Trematodes from the Striped Snake: Dr. W. Nicoll.—On *Dipteroptelis*, a New Genus of the Crustacean Order Branchiura: Dr. W. T. Calman.—Second Contribution to our Knowledge of the Varieties of the Wall-Lizard (*Lacerta muralis*): G. A. Boulenger.—A Note on the Rare British Nudibranch *Hancockia eudactyloata*, Gosse: Sir Charles Eliot, K.C.M.G.

ROYAL INSTITUTION, at 3.—The Study of Genetics: Prof. W. Bateson, F.R.S.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—Demonstration of Maor Skulls: Dr. R. J. Gladstone.

ROYAL SOCIETY OF ARTS, at 4.30.—Australian Railways: Hon. J. G. Jenkins.

ROYAL STATISTICAL SOCIETY, at 5.—Railway Accounts and Statistics: W. M. Ackworth and George Paish.

WEDNESDAY, MAY 22.

ROYAL METEOROLOGICAL SOCIETY, at 4.30.—The Thunderstorm of March 11, 1912, in Hampshire and Sussex: C. J. P. Cave.—The Automatic Release of Self-Recording Instruments from Ballons-Sondes: Eric S. Bruce.

THURSDAY, MAY 23.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: Theory of a New Mechanism for Varying the Volume of Discharge in the Rotating Slider Crank Form in the Chamber Crank Chain of Rouleaux: H. S. Hele-Shaw.—A New Treatment of Optical Aberrations: Prof. R. A. Sampson.—On the Extinction of Light by an Illuminated Retina: Sir W. de W. Abney, K.C.B.—Optical Measurements at High Pressures: Walter Wahl.—The Changes in Certain Absorption Spectra in Different Solvents: T. R. Merton.—Changes in Absorption Spectra of "Didymium" Salts: W. C. Ball.—The Viscosity of Carbon Dioxide: Dr. P. Phillips.

ROYAL INSTITUTION, at 3.—Ice Formation in Canada: The Economic Aspect: Prof. H. T. Barnes, F.R.S.

FRIDAY, MAY 24.

ROYAL INSTITUTION, at 9.—Recent Advances in Agricultural Science: The Fertility of the Soil: A. D. Hall, F.R.S.

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