

and Logarithmic Functions of X , etc. With Answers. Pp. xv+181-402+xv-xxxix. (London: G. Bell and Sons, Ltd.) 5s.

Plantation Rubber and the Testing of Rubber. By Dr. G. S. Whitby. Pp. xvi+559+viii plates. (London: Longmans, Green and Co.) 28s. net.

The Centenary Volume of Charles Griffin and Company, Ltd., Publishers, 1820-1920. With Foreword by Lord Moulton. Pp. xx+290+plates. (London: C. Griffin and Co., Ltd.)

Diary of Societies.

THURSDAY, OCTOBER 28.

CHEMICAL SOCIETY (at Institution of Mechanical Engineers), at 8.—Dr. M. O. Forster: The Emil Fischer Memorial Lecture.

ABERNETHIAN SOCIETY (at St. Bartholomew's Hospital), at 8.30.—Sir St. Clair Thomson: Recollections of Joseph Lister by one of his House-surgeons.

ROYAL SOCIETY OF MEDICINE (Urology Section), at 8.30.—Sir Thomas Horder: The Treatment of Sub-acute Nephritis by Decapsulation; with an Account of Four Cases.—Y. Bonney: A New Operation for Nephrophtosis.

FRIDAY, OCTOBER 29.

ROYAL GEOGRAPHICAL SOCIETY (at the Eolian Hall), at 5.—T. A. Barns: In the Land of the Okapi and the Gorilla.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. A. Keith: Demonstration on the Contents of the Museum.

INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—H. W. Bennett: Winchester: The Cathedral, the School, and the Hospital of St. Cross.

CHEMICAL INDUSTRY CLUB (at 2 Whitehall Court), at 8.—Annual Meeting.

ROYAL SOCIETY OF MEDICINE (Epidemiology and State Medicine Section), at 8.30.—Dr. A. K. Chalmers: The Function of the Isolation Hospital in a General Scheme of Hospital Provision.

MONDAY, NOVEMBER 1.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. S. G. Slatkock: Demonstration of Pathological Specimens in the Museum.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.

INSTITUTE OF BREWING (at Imperial Hotel, Russell Square), at 8.—A. F. Baillie: The Use of Oil Fuel in Breweries.

SOCIETY OF CHEMICAL INDUSTRY (at Institution of Mechanical Engineers), at 8.—Sir William J. Pope: The Photography of Coloured and of Distant Objects.

TUESDAY, NOVEMBER 2.

ROYAL HORTICULTURAL SOCIETY, at 3.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Sir William B. Leishman: An Experimental Investigation of the Parasite of Tick Fever, *Spirochaeta Duttoni* (Horace Dobell Lecture).

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—J. A. Brodie: Presidential Address.

ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—J. H. Lloyd: Some Observations on the Structure and Life-history of the Common Nematode of the Dogfish (*Scyllium canicula*).—Mrs. O. A. Merritt Hawkes: Observations on the Life-history, Biology, and Genetics of the Lady-bird Beetle, *Adalia bipunctata*, Mulsant.—Haru Ram Mehra: The Sexual Phase in certain Indian Naididae (Oligochaeta).—E. A. Barnes: In the Land of the Gorilla and Okapi.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Capt. C. W. R. Knight: Herodry.

RÖNTGEN SOCIETY, at 8.15.

WEDNESDAY, NOVEMBER 3.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Miss M. E. J. Chandler: The Arctic Flora of the Cam Valley at Barnwell, Cambridge.

SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.—Dr. W. R. Schoeller and E. F. Waterhouse: The Gravimetric Estimation of Bismuth as Phosphate and its applications in Ore Analysis.—P. J. Fryer: The Time Factor in Saponification.—V. Cofman: The Position of Analytical Chemistry in France.—W. T. Burgess: Apparatus for collecting Samples of Water at Great Depths.

THURSDAY, NOVEMBER 4.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: Prof. H. Lamb: The Vibrations of an Elastic Plate in Contact with Water.—Prof. H. M. Macdonald: The Transmission of Electric Waves around the Earth's Surface.—Lord Rayleigh: A Re-examination of the Light scattered by Gases in respect of Polarisation. II. Experiments on Helium and Argon.—Prof. C. F. Jenkin: Dilatation and Compressibility of Liquid Carbonic Acid.—W. T. David: Radiation in Explosions of Hydrogen and Air.—Dr. R. E. Slade and G. I. Higson: Photochemical Investigations of the Photographic Plate.—Dr. E. H. Chapman: The Relationship between Pressure and Temperature at the same Level in the Free Atmosphere.—Prof. J. C. McLennan: Note on Vacuum Grating Spectroscopy.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. R. C. B. Well: Chorea (Bradshaw Lecture).

LINNEAN SOCIETY, at 5.

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—Wing-Comdr. Flack: The Human Machine in Relation to Flying.

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CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Mrs. S. S. Brierley: Discussion on Vocational Tests.

CHEMICAL SOCIETY, at 8.—L. Higginbotham and H. Stephen: The Preparation of 4-, 5-, and 6-Methyl-coumarin-2-ones, and some Derivatives of *o*-, *m*-, and *p*-Tolylxyacetic Acids.—H. Stephen: A New Method for the Preparation of 2:4-Dihydroxy- and 2:4:4'-Trihydroxy-benzophenone, and some Observations relating to the Hoesch Reaction.—W. J. Pope and E. E. Turner: Triphenylarsine and Diphenylarsenous Salts.—R. H. Atkinson, C. T. Heycock, and W. J. Pope: The Preparation and Physical Properties of Carbonyl Chloride.—H. W. Bausor, C. S. Gibson, and W. J. Pope: Interaction of Ethylene and Selenium Monochloride.—G. Van B. Gilmour: A Study of the Reactions of Sugars and Polyatomic Alcohols in Boric Acid and Borate Solutions, with Some Analytical Applications.—F. L. Pyman and L. A. Ravald: The Sulphonation of Glyoxalines.—F. L. Pyman and L. A. Ravald: *o*- and *p*-Tolueneazoglyoxalines.—M. E. Laing and J. W. McBain: Investigation of Sodium Oleate Solutions in the Three Physical States of Curd, Gel, and Sol.—J. C. Irvine and E. S. Steele: The Constitution of Polysaccharides. Part I. The Relationship of Inulin to Fructose.—B. E. Hunt: The Preparation of Ethyl Iodide.—R. C. Menzies: Action of Sulphur Trioxide on Aromatic Ethers.—G. T. Morgan and H. D. K. Drew: Researches on Residual Affinity and Coordination. Part II. Acetylacetones of Selenium and Tellurium.—R. B. Drew: The Formation of 2:3:6-Trinitrotoluene in the Nitration of Toluene.—J. N. E. Day and J. F. Thorpe: The Formation and Reactions of Imino-compounds. Part XX. The Condensation of Aldehydes with Cyanoacetamide.—O. Becker and J. F. Thorpe: The Formation and Stability of Spiro-compounds. Part III. Spiro-compounds from Cyclopentane.—H. Chattopadhyaya and P. C. Ghosh: Condensation of Dimethyldihydroresorcin with Aromatic Aldehydes.—E. B. Maxted: The Influence of Lead on the Catalytic Activity of Platinum.

FRIDAY, NOVEMBER 5.

ASSOCIATION OF ECONOMIC BIOLOGISTS (in Botanical Lecture Theatre, Imperial College of Science), at 2.30.—Prof. F. W. Oliver: The Reclamation of Waste Land by Botanical Means.—Dr. E. J. Russell: The Reclamation of Waste Land by Agricultural Means. GEOGRAPHICAL COMMITTEE (Royal Astronomical Society), at 5.—Discussion on the African Arc and Meridian, to be opened by Col. H. G. Lyons, and continued by Sir Charles Close, Col. E. M. Jack, A. R. Hinks, C. G. T. McCaw, and others. INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Sir Richard T. Glarebrook: Limit Gauging (Thomas Hawksley Lecture).

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