

Comstock. Part i. Second edition. Pp. xviii+220. (Ithaca, N.Y.: The Comstock Publishing Co.) 2.50 dollars net.

Plant Indicators: The Relation of Plant Communities to Process and Practice. By F. E. Clements. Pp. xvi+388+92 plates. (Washington: Carnegie Institution of Washington.)

Carnegie Institution of Washington. Year Book No. 18, 1919. Pp. xvi+380+plate. (Washington: Carnegie Institution of Washington.)

Egyptological Researches. Vol. iii. By W. Max Müller. Pp. 88+40 plates. (Washington: Carnegie Institution of Washington.)

Elementary Agricultural Chemistry. By H. Ingle. Third edition. Pp. ix+250. (London: C. Griffin and Co., Ltd.) 5s.

Diary of Societies.

THURSDAY, JUNE 3.

INSTITUTION OF GAS ENGINEERS (at Institution of Mechanical Engineers), at 10 a.m.—Society of British Gas Industries: Carbonisation.—H. J. Hodsman and Prof. J. W. Cobb: Oxygen in Gas Production.—J. Fisher: Electricity Supply by Gas Companies.—G. Warburton: Contemplations on the Report of the Fuel Research Board.

ROYAL HORTICULTURAL SOCIETY (at Royal Gardens, Chelsea), at 3.—Capt. H. J. Page: Green Manuring—Its Possibilities in Horticulture.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—William Archer: Dreams with Special Reference to Psycho-Analysis.

ROYAL SOCIETY, at 4.30.—Sir Ernest Rutherford: The Nuclear Constitution of the Atom (Bakerian Lecture).

LINNEAN SOCIETY OF LONDON, at 5.—R. Swainson-Hall: Exhibition of 50 Drawings of the Oil-Palm, *Elæis guineensis*.—A. Whitehead: Objects Observed near Basra during the War.—Prof. W. J. Dakin: Whaling in the Southern Ocean.—Dr. R. R. Gates: Demonstration of Chromosomes in the Pollen Development of Lettuce.

CHEMICAL SOCIETY, at 8.—M. O. Förster and W. B. Saville: Studies in the Camphane Series. Part XXXVIII. The Cyanohydrate of Camphorquinone.—R. G. Fargher: Arsenic Acids derived from Guaiaacol and Veratrole.—G. T. Morgan and D. C. Vining: Diphenylarsenous Chloride and Cyanide. (Diphenylchloroarsine and Diphenylcyanoarsine.)—F. Challenger and A. E. Goddard: Organo-derivatives of Bismuth. Part III. The Preparation of Derivatives of Quinquevalent Bismuth.—J. N. Ray: Modification and Extension of Friedel-Crafts' Reaction. Part I.—F. Arnall: The Determination of the Relative Strengths of some Nitrogen Bases of the Aromatic Series and of some Alkaloids.—J. C. Ghosh: The Electrical Conductivity of Pure Salts in the Solid and Fused States; Determination of the Activity Coefficients of Ions in Solid Salts.—W. J. Sanderson and W. J. Jones: Anethole as Solvent in the Cryoscopic Method of Determining Molecular Weight.

ROYAL SOCIETY OF MEDICINE (Obstetrics and Gynaecology Section), at 8.—Dr. P. Turner: Traumatic Rupture of the Pedicle of a Sub-Peritoneal Fibroid.—Dr. F. Anderson: A Case of Rupture of the Uterus.—Dr. F. Shaw and Dr. Burrows: Radical Cure of Advanced Carcinoma of the Cervix, made Possible by the Application of Radium.—G. Ley: The Pathology of Accidental Hæmorrhage.

FRIDAY, JUNE 4.

ASSOCIATION OF ECONOMIC BIOLOGISTS AND IMPERIAL ENTOMOLOGICAL CONGRESS.—Joint Meeting (at the Rothamsted Experiment Station), St. Pancras Station to a.m. train.

ROYAL SOCIETY OF ARTS (Indian and Colonial Sections, Joint Meeting), at 4.30.—Prof. Sir John Cadman: The Oil Resources of the British Empire.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Sir Ronald Ross: Science and Poetry.

SATURDAY, JUNE 5.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Dr. J. H. Jeans: The Theory of Quanta.

MONDAY, JUNE 7.

INSTITUTE OF ACTUARIES, at 5.—(Annual General Meeting.)

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—(General Meeting.)

SOCIETY OF CHEMICAL INDUSTRY (at Institute of Chemistry), at 8.—(Informal Meeting.)

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—(Election of Council.)

ROYAL SOCIETY OF ARTS, at 8.—Dr. W. Rosenhain: Aluminium and its Alloys (Cantor Lecture.)

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—Prof. G. A. F. Molengraff: Ocean Research in the Dutch East Indies.

TUESDAY, JUNE 8.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Dr. W. H. Mills and Sir Wm. J. Pope: Studies on Photographic Sensitisers. Part II. (Sensitisers of the Type of Pinacyanol or Sensitol Red.)—G. I. Higson: A Simple Form of Non-intermittent Exposure Machine.—Mr. Offer: Examples of Photographs in Colour taken during Theatrical Performances.—(Lectures under the Control of the Scientific and Technical Group.)

WEDNESDAY, JUNE 9.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. C. G. Knott: Earthquake Waves and the Elasticity of the Earth.

INSTITUTION OF ELECTRICAL ENGINEERS (Wireless Section) (at Institution of Mechanical Engineers), at 6.—M. Latour: High Frequency Machines.

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at College of Preceptors), at 6.—W. H. Winch: Equal Additions *versus* Decomposition in Teaching Subtraction: An Experimental Research.

THURSDAY, JUNE 10.

INSTITUTION OF MINING ENGINEERS (at Geological Society), from 11 a.m. to 5.—(General Meeting.)—Prof. H. Louis: Compensation for Subsidence.—W. Maurice: The Fleissner Singing-flame Lamp.—W. Maurice: The Wolf-Pokorny and Wiede Acetylene Safety-lamps.—G. Oldham: The "Oldham" Cap Type Miner's Electric Safety-lamp.—Discussion on First Report of the Committee on "The Control of Atmospheric Conditions in Hot and Deep Mines."—D. S. Newey: A New Method of Working Thick Seams of Coal at Baggeridge Colliery.—T. G. Bocking: Protractors.—T. G. Bocking: Magnetic Meridian Observations; A Method of Utilising the Keo Observatory Records.

ROYAL SOCIETY, at 4.30.—*Probable Papers*.—A. V. Hill and W. Hartree: The Thermo-Elastic Properties of Muscle.—Sir James Dobbie and J. J. Fox: The Absorption of Light by Elements in the State of Vapour: (1) Selenium and Tellurium; (2) Mercury, Cadmium, Zinc, Phosphorus, Arsenic, Antimony.—H. G. Cannon: Production and Transmission of an Environmental Effect in *Simocephalus vetulus*.—E. C. Grey: The Enzymes of *B. coli communis* which are Concerned in the Decomposition of Glucose and Mannitol. Part IV. The Fermentation of Glucose in the Presence of Formic Acid.—L. T. Hogben: Studies on Synapsis. II. Parallel Conjugation and the Prophase Complex in Periplaneta, with Special Reference to the Premiotic Telophase.

LONDON MATHEMATICAL SOCIETY, at 5.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. A. F. Hurst: The Psychology of the Special Senses and their Hysterical Disorders (Croonian Lecture).

OPTICAL SOCIETY, at 7.30.—Miss A. B. Dale: Accuracy of Setting.—Dr. J. S. Anderson: A New Method of Immersion Refractometry.

INSTITUTE OF METALS (at Institution of Mechanical Engineers), at 8.—Prof. C. A. F. Benedicks: The Recent Progress in Thermo-Electricity (Annual May Lecture).

FRIDAY, JUNE 11.

INSTITUTION OF MINING ENGINEERS (at Geological Society), from 11 a.m. to 5.

ROYAL ASTRONOMICAL SOCIETY, at 5.

PHYSICAL SOCIETY OF LONDON, at 5.—Dr. T. Barratt and A. J. Scott: Radiation and Convection from Heated Surfaces.—J. S. G. Thomas: An Electrical Hot-Wire Incliniometer.—L. F. Richardson: Convective Cooling and the Theory of Dimensions.—J. W. T. Walsh: The Radiation from a Perfectly Diffusing Circular Disc.

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