

to the late Gen. Bassot.—A. Véronnet: Contraction and evolution of the sun.—F. Roux: The gold minerals of the Ivory Coast. Analyses of some specimens collected by the author at Kokumbo. The metallic portion of a quartz, without visible gold, gave bismuth 48 per cent., tellurium 37 per cent., gold 8.36 per cent. Two metallic specimens, extracted from the mineral from Poressou and containing 76.78 per cent. and 93.04 per cent. of gold, also contained tellurium and bismuth.—F. La Marca: A new hybrid produced by grafting.—A. Guillaumond: The nature and significance of the chondriome.—J. Amar: Physiological prothesis of the foot.—L. Lumière: A phenomenon of singular appearance relating to the persistence of luminous impressions.

BOOKS RECEIVED.

Organic Compounds of Arsenic and Antimony. By Prof. G. T. Morgan. (Monographs on Industrial Chemistry.) Pp. xx+376. (London: Longmans and Co.) 16s. net.

Edible Oils and Fats. By C. A. Mitchell. Pp. xii+159. (Monographs on Industrial Chemistry.) (London: Longmans and Co.) 6s. 6d. net.

Soil Physics and Management. By Prof. J. G. Mosier and A. F. Gustafson. Pp. xiii+442. (Philadelphia and London: J. B. Lippincott Co.) 8s. 6d. net.

Veterinary Post-Mortem Technic. By Prof. W. J. Crocker. Pp. xiv+233. (Philadelphia and London: J. B. Lippincott Co.) 16s. net.

A Not Impossible Religion. By S. P. Thompson. Pp. xv+335. (London: J. Lane.) 6s. net.

Mind and the Nation. By J. H. Parsons. Pp. 154. (London: John Bale, Ltd.) 7s. 6d. net.

The Photographic Industry of Great Britain, 1918. (London: British Photographic Manufacturers' Association, Ltd.)

Year-Book of the Scientific and Learned Societies of Great Britain and Ireland. Thirty-fourth annual issue. Pp. vii+334. (London: C. Griffin and Co., Ltd.) 9s.

Tropic Days. By E. J. Banfield. Pp. 313. (London: T. Fisher Unwin, Ltd.) 16s. net.

DIARY OF SOCIETIES.

THURSDAY, MAY 9.

ROYAL SOCIETY, at 4.30.—Contribution to the Theory of Attraction when the Force varies as any Power of the Distance: Major P. A. MacMahon and H. B. C. Darling.—Electromagnetic Integrals: Sir George Greenhill.—Intensity Relations in the Spectrum of Helium: Dr. T. R. Merton and Prof. J. W. Nicholson.—The Outline of a Theory of Magnetic Storms: Dr. S. Chapman.

ROYAL INSTITUTION, at 3.—The Folk Lore of Bells: Sir J. G. Frazer.

ROYAL SOCIETY OF ARTS, at 4.30.—The Freedom of the Sea: Sir F. T. Piggott.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Discussion: A British Electrical Proving House. Opener, C. Turnbull.

OPTICAL SOCIETY (Imperial College of Science and Technology), at 7.—Note on Spherical Aberration: T. Y. Baker and Major L. N. G. Filon.

MATHEMATICAL SOCIETY, at 5.—The Continued Fractions connected with the Hypergeometric Equation: E. Lindsay Ince.

FRIDAY, MAY 10.

ROYAL INSTITUTION, at 5.30.—Human Nutrition: Prof. F. Gowland Hopkins.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Observations of Encke's Comet (1917c) made with the 28-in. Equatorial: Royal Observatory, Greenwich.—Absurd Conclusions Derived from Einstein's Gravitation Theory: L. Silberstein.—A New Variable Star in Auriga: A. Stanley Williams.—Baxendell's Observations of Variable Stars: H. H. Turner and Mary A. Bagg.—Probable Papers: The Measurement of Time to the Thousandth of a Second: R. A. Sampson.—The Variation of Latitude. Observations of Sirius and Procyon made with the 28-in. Refractor of the Royal Observatory, Greenwich: Sir F. W. Dyson.—The Period of Sirius: R. Jonckheere.—Twelfth Note on the Number of Faint Stars with Large Proper Motions: F. A. Bellamy.

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PHYSICAL SOCIETY, at 5.—The Times of Sudden Commencement of Magnetic Storms: Dr. S. Chapman.—The Entropy of a Metal: Dr. H. S. Allen.—Tracing Rays through an Optical System: T. Smith.

MONDAY, MAY 13.

ROYAL SOCIETY OF ARTS, at 4.30.—Recent Developments in Leather Chemistry: Prof. H. R. Procter.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—The Achievements of France in Morocco: J. M. MacLeod.

VICTORIA INSTITUTE, at 4.30.—Terrestrial Magnetism: Dr. S. Chapman.

TUESDAY, MAY 14.

ROYAL INSTITUTION, at 3.—Field-Anthropologists: Prof. A. Keith.

ROYAL SOCIETY OF ARTS, at 4.30.—Recent Developments in Leather Chemistry: Prof. H. R. Procter.

ROYAL STATISTICAL SOCIETY, at 5.15.—The Effect of Trade Fluctuations upon Profits: Dr. J. C. Stamp.

ILLUMINATING ENGINEERING SOCIETY, at 6.30.—Discussion: The Lighting, Heating, and Power Order (1918), and the Best Methods of Making Economies.

WEDNESDAY, MAY 15.

ROYAL SOCIETY OF ARTS, at 4.30.—The Timber Industry: Prof. Percy Groom.

ROYAL METEOROLOGICAL SOCIETY, at 5.—Continentality and Temperature. II.: The Effect of Latitude on the Influence of Continentality on Temperature: C. E. P. Brooks.—Report on the Phenological Observations for 1917: J. E. Clark and H. B. Adames.

GEOLOGICAL SOCIETY, at 5.30.—The Geology of the Italian Front: Prof. E. J. Garwood.

SOCIETY OF GLASS TECHNOLOGY (Institute of Chemistry), at 2.30.—Furnace and Factory Operation for Automatic Glass-working Machinery: A. R. Hunter.—The Glass Industry after the War: W. F. J. Wood.

THURSDAY, MAY 16.

ROYAL SOCIETY, at 4.30.—Probable Papers: General Factors in Mental Measurements: J. C. M. Garnett.—The Absorption of X-Rays in Copper and Aluminium: C. M. Williams.—The Electrical Resolution and Broadening of Helium Lines: Dr. T. R. Merton.

ROYAL INSTITUTION, at 3.—The Prosecution and Punishment of Animals: Sir J. G. Frazer.

ROYAL SOCIETY OF ARTS, at 4.30.—The Freedom of the Sea: John Leyland.

INSTITUTION OF MINING AND METALLURGY, at 5.30.

FRIDAY, MAY 17.

ROYAL INSTITUTION, at 5.30.—The Story of a Grass: Dr. A. B. Rendle.

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