

Distribution and Origin of Life in America. By Dr. R. F. Scharff. Pp. xvi+497. (London: Constable and Co., Ltd.) 10s. 6d. net.

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Formal Logic: a Scientific and Social Problem. By Dr. F. C. S. Schiller. Pp. xviii+423. (London: Macmillan and Co., Ltd.) 10s. net.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 29.

ROYAL SOCIETY, at 4.30.—The Bacterial Production of Acetylmethylcarbinol and 2,3. Butylene Glycol. II: Dr. A. Harden, F.R.S., and Dorothy Norris.—An Instrument for Measuring the Distance between the Centres of Rotation of the Two Eyes: H. S. Ryland and B. T. Lang.—The Locomotor Function of the Lantern in *Echinus*, with remarks on other Allied Lantern Activities: Dr. J. F. Gemmill.—The Relation of Wild Animals to Trypanosomiasis: Capt. A. D. Fraser, R.A.M.C., and Dr. H. L. Duke.—The Transmission of *Trypanosoma nanum* (Laveran): Dr. H. L. Duke.—The Development of a Leucocytozoon of Guinea-pigs: E. H. Ross.

FRIDAY, MARCH 1.

ROYAL INSTITUTION, at 9.—The Total Solar Eclipse in the South Pacific, April, 1911: Dr. W. J. S. Lockyer.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Design and Construction of Masonry Dams: H. J. F. Gourley.

GEOLOGISTS' ASSOCIATION, at 8.—The Natural History of Petroleum: A. Wade.

SATURDAY, MARCH 2.

ROYAL INSTITUTION, at 3.—Molecular Physics: Sir J. J. Thomson, F.R.S.

MONDAY, MARCH 4.

SOCIETY OF ENGINEERS, at 7.30.—The Trolley Vehicle System of Railless Traction: H. C. Adams.

ARISTOTELIAN SOCIETY, at 8.—A Theory of Material Fallacies: H. S. Shelton.

AERONAUTICAL SOCIETY, at 8.30.—Military Airships: Lieut. C. M. Waterlow, R.E.

ROYAL SOCIETY OF ARTS, at 8.—The Loom and Spindle: Past, Present and Future: Luther Hooper.

SOCIETY OF CHEMICAL INDUSTRY, at 8.—The Photographic Process: Dr. C. F. Kenneth Mees.—Notes on the Estimation of Glucose in Leather: J. Gordon Parker and J. R. Blockey.

TUESDAY, MARCH 5.

ROYAL INSTITUTION, at 3.—Optical Determination of Stress, and some Applications to Engineering Problems: Prof. E. G. Coker.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—The Tribes of the Central Province of Southern Nigeria: N. W. Thomas.

RÖNTGEN SOCIETY, at 8.15.—Physiological Action of an Alternating Magnetic Field: Prof. S. P. Thompson, F.R.S.—Demonstration of Radiometer: W. Hampson.

INSTITUTION OF CIVIL ENGINEERS, at 8.—(1) Roller and Ball Bearings; (2) The Testing of Anti-friction Bearing Metals: Prof. J. Goodman.

ZOOLOGICAL SOCIETY, at 8.20.—The Classification, Morphology, and Evolution of the Echinoidea Holcetypoida: Herbert L. Hawkins.—Blood-Parasites found in the Zoological Gardens during the Four Years 1908-1911: H. G. Plimmer, F.R.S.—Zoological Results of the Third Tanganyika Expedition, conducted by Dr. W. A. Cunningham, 1904-1906. Report on some Larval and Young Stages of Prawns from Lake Tanganyika: Dr. G. O. Sars.—On the Structure of the Internal Ear, and the Relation of the Basal-cranial Nerves in *Dicynodon*, and on the Homology of the Mammalian Auditory Ossicles: Dr. R. Broom.

WEDNESDAY, MARCH 6.

SOCIETY OF PUBLIC ANALYSTS, at 8.—A Method of Estimating Calcium Carbonate in Soils: H. S. Shrewsbury.—Standards for Malt Vinegar: A. C. Chapman.—The Estimation of Ammonia in Carbonated Waters: G. D. Elsdon and N. Evers.—A Note on a New Preservative for Milk, Cream, etc.—G. A. Stokes.

ROYAL SOCIETY OF ARTS, at 8.—Some Modern Problems of Illumination: The Measurement and Comparison of Light Sources: T. Thorne Baker.

ENTOMOLOGICAL SOCIETY, at 8.

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THURSDAY, MARCH 7.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: (1) On the Devitrification of Silica Glass; (2) The Volatility of Metals of the Platinum Group: Sir William Crookes, O.M., For. Sec. R.S.—An Optical Load-extension Indicator, together with some Diagrams obtained therewith: Prof. W. E. Dalby.—(1) The Velocity of the Secondary Cathode Particles ejected by the Characteristic Röntgen Rays; (2) The Transmission of Cathode Rays through Matter: R. Whiddington.—On the Voltage Effect in Selenium: E. E. Fournier d'Albe.

LINNEAN SOCIETY, at 8.—Internodes of Calamites: Prof. Percy Groom.—Coloured Drawings of Barbados Plants: Miss Ethel M. Phillips.—On *Psymophyllum majus*, sp. n., from the Lower Carboniferous Rocks of Newfoundland, together with a Revision of the Genus and Remarks on its Affinities; E. A. Newell Arber.—Historic Doubts about *Vauvohompsonia*: Rev. T. R. R. Stebbing.—Living Specimens of Cactoid Euphorbias from South Africa: Dr. Otto Stapf.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Tariffs for Electrical Energy, with Particular Reference to Domestic Tariffs: W. W. Lackie.

FRIDAY, MARCH 8.

ROYAL ASTRONOMICAL SOCIETY, at 5.

MALACOLOGICAL SOCIETY, at 8.—The Distribution and Habits of Alopia, a Subgenus of Clausilia: Rev. A. H. Cooke.—A Synopsis of the Recent and Tertiary Freshwater Mollusca of the Californian Province. Part I. Pelecypoda and Pulmonata: H. Hannibal.—Note on the Existence of Two Editions of Ferussac's Tableaux Systématiques: Major M. Conolly. Note on *Pleurotoma bipartita*, Smith: E. A. Smith.

PHYSICAL SOCIETY, at 8.—Exhibition of a "Method of Making Capillary Filaments": H. S. Souttar.—The Intensity at Points near the Principal Focus of an Object Glass with Symmetrical Aberration: J. Walker.—The Equipment of the Spectroscopic Laboratory of the Imperial College of Science: Prof. A. Fowler, F.R.S.

SATURDAY, MARCH 9.

ROYAL INSTITUTION, at 3.—Molecular Physics: Sir J. J. Thomson, F.R.S.

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