DIARY OF SOCIETIES.

THURSDAY, MARCH 10.

THURSDAY, MARCH TO.

ROYAL SOCIETY, at 4.30.—(1) On the Rotation of Plane of Polarisation of Electric Waves by a Twisted Structure. (2) On the Production of a "Dark Cross" in the Field of Electro-magnetic Radiation: Prof. J. C. Bose.—An Extension of Maxwell's Electro-magnetic Theory of Light to include Dispersion, Metallic Reflection, and Allied Phenomena: E. Edser.—On the Relative Retardation between the Components of a Stream of Light produced by the Passage of the Stream through a Crystalline Plate, cut in any Direction with respect to the Faces of the Crystal: J. Walker.—On the Relation between the Diurnal Range of Magnetic Declination and horizontal Force, and the Period of Solar Spot Frequency: W. Ellis.

ROYAL INSTITUTION, at 3.—Recent Researches on Magnetism and Diamagnetism: Prof. J. A. Fleming, F.R.S.

SOCIETY OF ARTS (Indian Section), at 4.30.—India and Sir Henry Maine: Charles Lewis Tupper, C.S.I.

MATHEMATICAL SOCIETY, at 8.—The Geodesic Geometry of Surfaces in non-Euclidean Space: A. N. Whitehead.—The Transformation of Linear Partial Differential Operators by Extended Linear Continuous Groups: Prof. Elliott, F.R.S.—Stereographic Illustrations of Catenaries: Prof. Greenhill, F.R.S., and T. I. Dewar.—On Linear Homogeneous Continuous Groups whose operations are Permutable: Prof. W. Burnside, F.R.S.—Supplementary Note on Aurifeuillians: Lieut.-Colonel Cunningham, R.E.—On the Calculation of the Sum of the mth Powers of a Large Number of Magnitudes: W. F. Sheppard.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—On the Manufacture of Lamps and other Apparatus for 200 volt Circuits: G. Binswanger-Byng.

FRIDAY, MARCH 11.

Byng.

FRIDAY, MARCH II.

ROYAL INSTITUTION, at 9.—Marked Unexplored: W. F. Lord.

ROYAL ASTRONOMICAL SOCIETY, at 8.—On a convenient Method of Adjusting a Polar Axis to the Diurnal Motion: D. P. Todd.—Nebulæ discovered at the Royal Observatory, Cape of Good Hope: Royal Observatory, Cape of Good Hope.—List No. 7 of new Nebulæ: L. Swift.—Long enduring Spots on Jupiter: A. S. Williams.—The Concave Grating for Stellar Photography: C. L. Poor.—On the Fallacy Associated with the Current Rotation Periods of Venus: E. M. Antoniadi.—Equatorial Comparisons of Neptune with 1r4 Tauri: J. Tebbutt.—A Remarkable Object in Perseus: Rev. T. E. Espin.—On the "Two Method" Personal Equation: W. W. Bryant.—A few Suggestions with Reference to the Newtonian Reflector: T. W. Bush.—The Spectrum of o Ceti, as Photographed at the Stonyhurst College Observatory: Rev. W. Sidgreaves.—The Effect of Latitude Variation on the Ecliptic Investigation: W. G. Thackeray.—Note on Dr. Gill's Paper on the Effect of Chromatic Dispersion of the Atmosphere on the Parallaxes of α Centauri and β Orionis: Prof. A. A. Rambaut.

persion of the Atmosphere on the Parallaxes of a Centauri and p Orionis. Prof. A. A. Rambaut.

Physical Society, at 4.—Council Meeting.—At 5.—On Dynamical Illustrations of certain Optical Phenomena; Prof. J. D. Everett, F.R.S.—On Properties of Liquid Mixtures: R. A. Lehfeldt.

Institution of Civil Engineers, at 8.—The Drainage of Cottage Property: H. C. Adams.

Malacological Society, at 8.—The Mollusca of Lake Tanganyika, with especial reference to their Origin and Affinities; J. E. S. Moore.—On the Anatomy of Mulleria and Mutela: M. F. Woodward.

... MONDAY MARCH 14.

. MONDAY, MARCH 14.

SOCIETY OF ARTS, at 8.—The Thermo-Chemistry of the Bessemer Process: Prof. W. N. Hartley, F.R.S.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Exploration in Spitsbergen, 1897: Sir W. Martin Conway.

SOCIETY OF CHEMICAL INDUSTRY, at 8.—Electrical Industries at the Foyers Waterfalls: R. W. Wallace.

TUESDAY, MARCH 15.

TUESDAY, MARCH 15.

ROYAL INSTITUTION, at 3.—The Simplest Living Things: Prof. E. Ray Lankester, F.R.S.

SOCIETY OF ARTS (Foreign and Colonial Section), at 4 30.—The West Indies and Sugar Bounties: Nevile Lubbock.

ZOOLOGICAL SOCIETY, at 8.30.—On New or Imperfectly Known Species of Ostracoda, chiefly from New Zealand: Dr. G. Stewardson Brady, F.R.S.—On a New Flagellate Protozoan of the Genus Lophomonas: E. H. J. Schuster.—On the Early Post-Larval Stages of the Crab (Cancer pagurus), and on the Affinity of that Species with Atelecyclus heterodon: J. T. Cunningham.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Calcium Carbide and Acetylene: Henry Fowler.

Henry Fowler.

ROYAL PHOTOGRAPHIC SOCIETY, at 8.—Half-tone Negative-making: W.
H. Lascelles.

ROYAL VICTORIA HALL, at 8.30.—Wireless Telegraphy; A. W. Porter. ROYAL STATISTICAL SOCIETY, at 5.

WEDNESDAY. MARCH 16.
SOCIETY OF ARTS, at 8.—The Recent History of Paper-making: Clayton

ROYAL GEOGRAPHICAL SOCIETY, at 4.30.—Sea Beaches and Sand Banks: Vanghan Cornish.

ENTOMOLOGICAL SOCIETY, at 8.—Further Notes on Dyscritina, Westw.

ENTOMOLOGICAL SOCIETY, at 8.—Purtner Notes on Dyschulia, Westw. E. E. Green.

ROYAL METEOROLOGICAL SOCIETY, at 7.30.—Photographing Meteorological Phenomena: Arthur W. Clayden.

ROYAL MICROSCOPICAL SOCIETY, at 8.—Exhibition of Mounted Rotifers: G. F. Rousselet.

THURSDAY MARCH 17.

G. F. Rousselet.

THURSDAY, MARCH 17.

ROYAL SOCIETY, at 4.30.—The Croomian Lecture will be delivered by Prof. Wilhelm Pfeffer, For. Mem. R.S. On the Nature and Significance of Functional Metabolism (Betriebs-stoffwechsels) in the Plant.

ROYAL INSTITUTION, at 3.—Magnetism and Diamagnetism: Prof. J. A. Fleming, F.R.S.

LINNEAN SOCIETY, at 8.—Natural Selection the Cause of Mimetic Resemblance and Common Warning Colours: Prof. E. B. Poulton, F.R.S.

—On the Brain of the Edentata, including Chlamydophorus: Dr. Elliott Smith.—On Limnocarpus, a New Genus of Fossil Plants from the Tertiary Deposits of Hampshire: Clement Reid.

CHEMICAL SOCIETY, at 8.—The Reduction of Bromic Acid and the Law of Mass Action: Winifred Judson and Dr. J. Wallace Walker.—The Action of Ferric Chloride on the Ethereal Salts of Ketone Acids:—Dr. R. S. Morell and Dr. J. M. Crofts.—Note on the Volatility of Sulphur T. C. Porter.—Action of Ammonia and Substituted Ammonias on Acetylurethane: Dr. George Young and Ernest Clark.—Cannabinol: T. B. Wood, W. T. N. Spivey, and Dr. T. H. Easterfield.—Formation of Oxytriazoles from Semicarbazides: Dr. G. Young, and B. M. Stockwell. INSTITUTION OF CIVIL ENGINEERS, at 8.—Sixth "James Forrest" Lecture, Geology in Relation to Engineering: Prof. W. Boyd Dawkins, F.R.S. CAMERA CLUB, at 8.15 .- Some Recent Animal Photographs: Gambier

FRIDAY, MARCH 18.

ROYAL INSTITUTION, at 9.—The Bringing of Water to Birmingham fro the Welsh Mountains: J. Mansergh.

BOOKS, PAMPHLET, and SERIALS RECEIVED.

BOOKS, PAMPHLET, and SERIALS RECEIVED.

Books.—Peregrinazioni Antropologische e Fisiche, &c.: Dr. T. Vignoli and Prof. G. V. Schiaparelli (Milano, Hoepli).—Travels in the Coastlands of British East Africa &c.: W. W. A. Fitzgerald (Chapman).—L'Algèrie: J. A. Battandier and L. Trabut (Paris, Baillière).—Epidemic Diphtheria: Dr. A. Newsholme (Sonnenschein).—Magnetical and Meteorological Observations made at the Government Observatory, Bombay, 1896 (Bombay).—Geological Literature added to the Geological Society's Library during the Year ended December 31, 1897 (Geological Society).—Royal Geographical Society. People et l'Étude des Nuages: J. Boyer (Paris, C. Mendel).—The Teacher's Manual of Object-Lessons in Domestic Economy, V. T. Murché: Vol. 1 (Macmillan).—General Elementary Science (Clive).
PAMPHLET.—Review of Mineral Production in India for 1896 (Calcutta).
SERIALS.—Bulletin de l'Académie Royale des Sciences, &c., de Belgique, 1898, No. 1 (Bruxelles).—Journal of the Royal Microscopical Society, February (Williams).—Zeitschrift für Physikalische Chemie, xxv. Band, 2 Heft (Leipzig, Engelmann).—Middlesex Hospital Journal, Vol. 2, No. 6 (London).—Quarterly Journal of the Geological Society, February (Congmans).—Journal of Botany, March (West).—Scribner's Magazine, March (Low).—Archives de Parasitologie, January (Paris, Carré).—Revue de l'Université de Bruxelles, March (Bruxelles).—National Geographic Magazine, February (Washington).—Transactions of the American Microscopical Society, December (Buffalo).—Geographical Journal, March (Stanford).—Astrophysical Journal, February (Chicago).—Atlantic Monthly, March (Gay).

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