

DIARY OF SOCIETIES.

THURSDAY, JANUARY 26.

- ROYAL SOCIETY, at 4.30.—Contributions to the Theory of Simultaneous Partial Differential Equations: Prof. A. C. Dixon.—On the Structure and Affinities of Fossil Plants from the Palæozoic Rocks. III. On *Medullosa anglica*, a New Representative of the Cycadoflites: Dr. Scott, F.R.S.—On the Nature of Electro-Capillary Phenomena. I. Their Relation to the Potential Differences between Solutions: S. W. J. Smith.
- ROYAL INSTITUTION, at 3.—Tibet and the Tibetans: A. Henry Savage Landor.
- INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Rules for the Regulation of the Wiring of Premises for Connection to Public Supply Mains: J. Pigg.—The Regulation of Wiring Rules: C. H. Wordingham.—The Institution Wiring Rules: R. E. Crompton.

FRIDAY, JANUARY 27.

- ROYAL GEOGRAPHICAL SOCIETY, at 4.—The Sub-Oceanic Physical Features off the Coast of Western Europe, including France, Spain, and Portugal: Prof. Edward Hull, F.R.S.
- PHYSICAL SOCIETY, at 5.—On the Equivalent Resistance and Inductance of a Wire to an Oscillatory Discharge: Dr. Edwin H. Barton.—Exhibition of (a) a Deplegator; (b) a Temperature Tell-Tale: R. Appleyard.—On the Volume Changes accompanying Solution: T. H. Littlewood.
- INSTITUTION OF CIVIL ENGINEERS, at 8.—King's Lynn Water Works: F. C. Grimley.

SATURDAY, JANUARY 28.

- ESSEX FIELD CLUB (Technical Institute, Stratford), at 6.30.—Exhibition of Geological Photographs (Lantern) brought together by the British Association Committee: T. V. Holmes.

MONDAY, JANUARY 30.

- SOCIETY OF ARTS, at 8.—Bacterial Purification of Sewage: Dr. Samuel Rideal.
- IMPERIAL INSTITUTE, at 8.30.—West Africa: Miss M. H. Kingsley.

TUESDAY, JANUARY 31.

- ROYAL INSTITUTION, at 3.—Morphology of the Mollusca: Prof. E. Ray Lankester, F.R.S.
- SOCIETY OF ARTS, at 4.30.—The Centenary Exhibition of Lithographs, with Remarks on Further Developments of the Art: Edward F. Strange.
- ROYAL MINERALOGICAL SOCIETY, at 8.—Experiments with Zeolites: Prof. A. H. Church, F.R.S.—Analyses of Ceylon Apatite: by the same.—On a New Mode of Occurrence of Ruby in North Carolina: Prof. J. W. Judd, C.B., F.R.S., and W. E. Hidden; with Crystallographic Notes by Dr. J. H. Pratt.—On the Constitution of the Mineral Arsenates and Phosphates. II. Pharmacosiderite; E. G. J. Hartley.—On the Chemical Composition of Binnite: G. T. Prior and L. J. Spencer.
- INSTITUTION OF CIVIL ENGINEERS, at 8.—Papers to be further discussed: The Effects of Wear upon Steel Rails: William G. Kirkaldy.—On the Microphotography of Steel Rails: Prof. Roberts-Austen, K.C.B., F.R.S.—And, time permitting: The Waterworks of the Madras Presidency: J. A. Jones.

WEDNESDAY, FEBRUARY 1.

- SOCIETY OF ARTS, at 8.—The Cost of Municipal Enterprise: Dixon H. Davies.
- GEOLOGICAL SOCIETY, at 8.—On Radiolaria in Chert from Chypon's Farm, Mullion District, Cornwall: Dr. G. J. Hinde, F.R.S.—Gravel at Moreton-in-the-Marsh (Gloucestershire): S. S. Buckman.—On the Occurrence of Pebbles of Schorl-Rock from the South-West of England in the Drift Deposits of Southern and Eastern England: A. E. Salter.

THURSDAY, FEBRUARY 2.

- ROYAL SOCIETY, at 4.30.—*Probable Papers*: Sets of Operations in relation to Groups of Finite Order: A. N. Whitehead.—Note on the Enhanced Lines in the Spectrum of a Cygni: Sir J. Norman Lockyer, F.R.S.—On the Effects of Strain on the Thermo-Electric Qualities of Metals: Dr. Magnus Maclean.—The Constitution of the Electric Spark: Prof. A. Schuster, F.R.S., and G. Hemsalech.
- ROYAL INSTITUTION, at 3.—Tibet and the Tibetans: A. H. Savage Landor.
- LINNEAN SOCIETY, at 8.—Notes on the Genus *Nanomitrium*, Lindberg: E. Stanley Salmon.—On the Production of Apospory by Environment in *Athrium Filix-foemina*, var. *unco-glomeratum*, an apparently Barren Fern: Dr. F. W. Stansfield.—On the Genus *Lemnalia*, Gray, with an Account of the Branching System of the Order Alcyonacea: Gilbert C. Bourne.
- CHEMICAL SOCIETY, at 8.—(1) Maltodextrin, its Oxidation Products and Constitution; (2) On Attempts to prepare Pure Starch Derivatives through their Nitrates: Dr. H. T. Brown, F.R.S., and J. H. Millar.—An Isomeric of Amarine: Dr. H. Lloyd Snape and Dr. Arthur Brooke. Propylbenzenesulphonic Acids: Dr. G. T. Moody.—Derivatives of Dibenzylstyrene. W. H. Mills and T. H. Easterfield.—On the Action of Chlorosulphonic Acid on the Paraffins and other Hydrocarbons: Dr. Sydney Young, F.R.S.—(1) The Action of Reducing Agents on Nitrogen Iodide; (2) The Action of Acids upon Nitrogen Iodide: F. D. Chattaway and H. P. Stevens.—The Composition of Nitrogen Iodide: F. D. Chattaway.—(1) The Preparation and Properties of Nitrogen Iodide; (2) The Action of Light upon Nitrogen Iodide; (3) The Action of Alkaline Hydrates, of Water, and of Hydrogen Peroxide upon Nitrogen Iodide; (4) Theory of the Formation and Reactions of Nitrogen Iodide: F. D. Chattaway and Kennedy J. P. Orton.

FRIDAY, FEBRUARY 3.

- ROYAL INSTITUTION, at 9.—The Roman Defences of South-East Britain: Prof. Victor Horsley, F.R.S.
- GEOLOGISTS' ASSOCIATION, at 7.30.—Annual Meeting.—Address by the President, J. J. H. Teall, F.R.S.
- QUEKETT MICROSCOPICAL CLUB, at 8.

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BOOKS, PAMPHLETS, and SERIALS RECEIVED.

- BOOKS—Sketch of the Evolution of our Native Fruits: L. H. Bailey (Macmillan)—Handbook of Metallurgy: Dr. C. Schnabel, translated by Prof. H. Louis, 2 Vols. (Macmillan).—Traité de Zoologie Concrète: Y. DeLage and E. Hérouard, Tome viii. (Paris, Schleicher).—Among the Himalaya: Major L. A. Waddell (Constable).—Untersuchungen über Strukturen: Prof. O. Bütschli, Text and Atlas (Leipzig, Engelmann).—Dictionnaire Technique: H. S. Lovendal (Paris, Boyveau).—Ostwald's Klassiker der Exakten Wissenschaften, Nr. 101 and 102 (Leipzig, Engelmann).—A Short History of Astronomy: A. Berry (Murray).—River Development: Prof. I. C. Russell (Murray).—The Temple of Mut in Asher: M. Benson and J. Gourlay (Murray).—Zoological Results: Dr. A. Willey, Part 2 (Cambridge University Press).—A Treatise on Photographic Optics: R. S. Cole (Low).—The Native Tribes of Central Australia: Prof. B. Spencer and F. J. Gillen (Macmillan).—The Book of the Master: W. M. Adams (Murray).—An Intermediate Text-Book of Geology: Prof. C. Lapworth, new edition (Blackwood)—Photo-micrography: E. J. Spitta (Scientific Press).—Gordon in Central Africa: edited by Dr. G. B. Hill, new edition (Macmillan).—Fertilizers: Prof. E. B. Voorhees (Macmillan).—Mathematical Tables, Wrapson and Gee (Macmillan).—The Marine Steam-Engine: C. Busley, translated by H. A. B. Cole, 3rd edition, 2nd Part (Grevell).—Annuaire de l'Observatoire Royal de Belgique, 1899; and ditto, Supplément to 1898 (Bruxelles).—A Class-Book of Physical Geography: Prof. W. Hughes, Revised, &c., by R. A. Gregory (Phillip).—Pubblicazioni della Specola Vaticana, Vol. v. (Roma).—An Introduction to the Mathematical Theory of Attraction: Prof. F. A. Tarleton (Longmans).—The Testing of Materials of Construction: Prof. W. C. Unwin, 2nd edition (Longmans).—Creation Myths of Primitive America: J. Curtin (Williams).—Outlines of Industrial Chemistry: Dr. F. H. Thorp (Macmillan).
- PAMPHLETS.—The World's Exchanges in 1898: J. H. Norman (Low).—A Course of Lectures on Mining: Prof. W. Galloway; Colliery Explosions (Cardiff).—"Representative Indians" in Court, or What is Authorship?: Sastri and Pillai (Madras).
- SERIALS.—Natural Science, January (Pentland).—Himmel und Erde, January (Berlin).—An Illustrated Manual of British Birds: H. Saunders, 2nd edition, Parts 13 to 15 (Gurney).—American Journal of Science, January (New Haven).—Beiträge zur Biologie der Pflanzen, viii. Band, 1. Heft (Breslau).—Transactions of the English Arboricultural Society, Vol. iv. Part 1 (Carlisle).—Educational Review, January (203 Strand).

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