

derivatives with an alkaline solution of sodium hypochlorite.—The rôle of the fever in the evolution of an infectious disease, by M. Cheinisse.—On serotherapy of tuberculosis, by MM. V. Babes and G. Proca. In the case of the animals used, chiefly dogs, immunity to virulent tuberculous injections was effected by treatment with tuberculin in increasing doses for several months, followed by subcutaneous injection in increasing doses of the dead bacilli that had already served for the preparation of the tuberculin.—On the embryonic membranes of the *Molgule*, by M. A. Pizon.—On the gills of the *Tetraclita porosa*, by M. A. Gruvel. The oxygenising surface of the gills is enlarged in a peculiar manner; instead of only one lamella, there are from eight to ten, of different sizes, according as they are at the ends or the middle of the gill, each of which is folded on itself in the most irregular fashion.—Note on *Mucor* and *Trichoderma*, by M. J. Ray. A description of a new species of mucor, to which the name of *Mucor crustaceus* is given, and of a parasite much resembling *Trichoderma viride*. This case of parasitism is accompanied by important modifications, both of the host and of the parasite: in the former, the mineral coating being largely increased, and its spores reduced in number; in the latter, appearance of a continuous structure, and reduction of the fructiferous apparatus.—On the yield of flour from wheat, and on whole-meal bread, by M. Balland.—On some French lakes, by M. A. Delebecque.—On the abyss of Gaping Ghyll, by M. E. A. Martel.

DIARY OF SOCIETIES.

LONDON.

THURSDAY, JANUARY 16.

ROYAL SOCIETY, at 4.30.—The Rotation of an Elastic Spheroid: S. S. Hough.—On a Type of Spherical Harmonics of Unrestricted Degree, Order, and Argument: Dr. Hobson, F.R.S.—Mémorial on the Theory of the Partitions of Numbers. Part 1: Major MacMahon, F.R.S.—Some Physical Properties of Argon and Helium: Lord Rayleigh, Sec.R.S.

LONDON INSTITUTION, at 6.—Experiments with Incandescent Lamps: Prof. Fleming, F.R.S.

LINNEAN SOCIETY, at 8.—On the Fistulose Polymorphinæ and the Ramulinæ: Prof. T. Rupert Jones, F.R.S., and F. Chapman.

SOCIETY OF ARTS, at 4.30.—The Shan Hills: their Peoples and Products: Colonel R. G. Woodthorpe, C.B., R.E.

SOCIETY OF ANTIQUARIES, at 8.30.

CHEMICAL SOCIETY, at 8.—The Acetylene Theory of the Luminosity of Hydrocarbon Flames: Prof. Vivian B. Lewes.—And other Papers.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Presentation of Premiums.—Inaugural Address of the President, Dr. John Hopkinson, F.R.S.

NUMISMATIC SOCIETY, at 7.

FRIDAY, JANUARY 17.

ROYAL INSTITUTION, at 9.—More about Argon: Lord Rayleigh, Sec.R.S.

QUEKETT MICROSCOPICAL CLUB, at 8.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Iron Tunnels: W. O. Leitch.

EPIDEMIOLOGICAL SOCIETY, at 8.—Experiences in Relation to Cholera in India from 1842-79: Surgeon-General C. A. Gordon, C.B.

SATURDAY, JANUARY 18.

ROYAL INSTITUTION, at 3.—To the North of Lake Rudolf and among the Gallas: Dr. A. Donaldson Smith.

MONDAY, JANUARY 20.

SOCIETY OF ARTS, at 8.—Alternate Current Transformers: Dr. J. A. Fleming, F.R.S.

VICTORIA INSTITUTE, at 4.30.—On Newly-deciphered Inscriptions: Mr. Pinches.

LONDON INSTITUTION, at 5.—Cambridge University; its History and Development: E. J. C. Morton, M.P.

TUESDAY, JANUARY 21.

ROYAL INSTITUTION, at 3.—The External Covering of Plants and Animals: Prof. C. Stewart.

ROYAL PHOTOGRAPHIC SOCIETY, at 8.—On Irregular Grained Screens: E. Sanger Shepherd.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Sanitary Works of Buenos Ayres: Sewerage, Drainage, and Water-Supply: Hon. R. C. Parsons.

ANTHROPOLOGICAL INSTITUTE, at 8.30.—Annual Meeting.

ROYAL STATISTICAL SOCIETY, at 5.

WEDNESDAY, JANUARY 22.

SOCIETY OF ARTS, at 8.—Supply of Sea-Water to London: Frank W. Grierson.

GEOLOGICAL SOCIETY, at 8.—On the Speeton Series in Yorkshire and Lincolnshire: G. W. Lamplugh.—On Cretaceous Podophthalmata from Vancouver and Queen Charlotte Islands: Dr. Henry Woodward, F.R.S.—On a Fossil Octopus from the Cretaceous of the Lebanon: Dr. Henry Woodward, F.R.S.—On Transported Boulder Clay: Rev. Edwin Hill.

THURSDAY, JANUARY 23.

ROYAL SOCIETY, at 4.30.

CHEMICAL SOCIETY, at 8.—Helmholtz Memorial Lecture: Prof. G. F. Fitzgerald, F.R.S.

LONDON INSTITUTION, at 6.—Unexplored Glaciers of Vatna Jökul: F. W. Howell.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.

SOCIETY OF ANTIQUARIES, at 8.30.

FRIDAY, JANUARY 24.

ROYAL INSTITUTION, at 9.—Ludwig and Vitalism: Prof. Burdon Sanderson, F.R.S.

PHYSICAL SOCIETY, at 5.—Exhibition of some Geometrical Instruments; E. Scott and Signor Monticolo.—On Resonant Tones: Prof. J. D. Everett, F.R.S.—Experiments with Incandescent Lamps: Sir D. Salomons.

BOOKS, PAMPHLETS, and SERIALS RECEIVED.

Books.—Object Lessons for Infants: V. T. Murché, Vol. 2 (Macmillan).—Ethnology: A. H. Keane (Cambridge University Press).—Popular Telescopic Astronomy: A. Fowler (Phillip).—Journal of Microscopy and Natural Science, third series, Vol. 5 (Baillière).—The Steam Engine: Prof. J. H. Cotterill, 3rd edition (Spon).—Folk og Natur i Finnmarken: H. Reusch (Kristiania, Brogger).—A New View of the Origin of Dalton's Atomic Theory: H. E. Roscoe and A. Harden (Macmillan).—Types of American Character: G. Bradford (Macmillan).—Wissenschaftliche Abhandlungen der Physikalisch-Technischen Reichsanstalt, Band ii. (Berlin, Springer).—Beobachtungen der Russischen Polar Station an der Lenamündung, 1 Teil, 1882-84.—Nouveaux Mémoires de la Société Helvétique des Sciences Naturelles, Band xxxiv. (Williams).—The Koh-i-Nûr Diamond: E. W. Streeter (Bell).—Ostwald's Klassiker der Exakten Wissenschaften, Nr. 67 to 71 (Leipzig, Engelmann).—The Life and Letters of George John Romanes (Longmans).—Discoveries and Inventions of the Nineteenth Century: R. Routledge, 11th edition (Routledge).

PAMPHLETS.—Some Factors in the Evolution of Adaptations: G. D. Haviland (Porter).—La Théorie Atomique et la Théorie Dualistique: Prof. E. Lenoble (Paris, Gauthier-Villars).—Government and Religion of the Virginia Indians: Dr. S. R. Hendren (Baltimore).

SERIALS.—Engineering Magazine, January (Tucker).—American Journal of Science, January (New Haven).—Journal of Anatomy and Physiology, January (Griffin).—Verhandlungen der Naturhistorischen Vereins der Preussischen Rheinlande, &c., 52 Jahrg. 1. Hälfte (Bonn).—Psychologische Arbeiten, Erster Band, 2 und 3 Heft (Leipzig, Engelmann).—Strand Magazine, January (Newnes).—Strand Musical Magazine, January (Newnes).—American Naturalist, January (Philadelphia).—Journal of the Chemical Society, January (Gurney).—Himmel und Erde, January (Berlin).—Berichte der Naturforschenden Gesellschaft zu Freiburg i. B., June, September, 1894; September 1895 (Williams).—Morphologisches Jahrbuch, 23 Band, 3 and 4 Heft (Williams).—Zeitschrift für Wissenschaftliche Zoologie, lx. Band, 4 Heft; Ditto, lxi. Band, 1 Heft (Williams).

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