

couple, the latter being standardised in place by the interference method of air thermometry previously described. The temperatures found were 962° C. for silver and 1064° for gold.—Determination of the density of gases upon very small volumes, by M. Th. Schloesing, jun. (see p. 374).—On the correlation between reduction by nascent hydrogen, electrolysis, and photolysis of carbonic acid, by M. A. Bach. The reduction of a solution of carbon dioxide in water by hydrogenised palladium gave rise to some formic aldehyde, the latter being identified by conversion into methylene-aniline and hexamethylenetetramine. The electrolytic reduction of carbon dioxide is shown to be parallel with the reduction by solar radiation.—On the aromatic urethanes of conicine, by MM. P. Cazeneuve and Moreau.—New colour reaction of phenylhydrazine, by M. Louis Simon. The solution of the hydrazine is warmed with a little aqueous trimethylamine, some drops of a solution of nitroprussiate of soda added, and then concentrated potash. A blue coloration results which allows of the detection of one part of phenylhydrazine in 50,000 of water.—On the influence of the frequency of the movements and of the weights sustained upon the maximum power of muscle under regular treatment, by MM. André Broca and Charles Richet.—On the development of the conjunctive fibrilla, by M. P. A. Zachariadès.—On the constitution of cannel coal, by M. B. Renault.—On the polymorphism of fluorspar, by M. F. Wallerant.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 17.

- ROYAL SOCIETY, at 4.30.—On the Connection between the Electrical Properties and the Chemical Composition of Different Kinds of Glass: Prof. A. Gray, F.R.S., and Prof. J. J. Dobbie.—On the Magnetic Deformation of Nickel: Dr. E. Taylor Jones.—Upon the Structure and Development of the Enamel of Elasmobranch Fishes: C. S. Tomes, F.R.S.—On Artificial Temporary Colour-Blindness, with an Examination of the Colour Sensations of 109 Persons: G. J. Burch.—Contributions to the Mathematical Theory of Evolution. On the Inheritance of the Cephalic Index: Cicely Fawcett, and Prof. K. Pearson, F.R.S.
- ROYAL INSTITUTION, at 3.—Some Italian Pictures at the National Gallery: Dr. Jean Paul Richter.
- SOCIETY OF ARTS (Imperial Institute), at 4.30.—The Plague in Bombay: Dr. Herbert Mills Birdwood.
- LINNEAN SOCIETY, at 8.—On the Genus *Arenaria*: F. N. Williams.—On the Histology of the Salivary and other Glands of the *Cotubridae*: G. S. West.
- CHEMICAL SOCIETY, at 8.—Some Lecture Experiments: J. Tudor Cundall.—Observations on the Influence of the Silent Discharge of Electricity on Atmospheric Air: W. A. Shenstone and W. T. Evans.

FRIDAY, FEBRUARY 18.

- ROYAL INSTITUTION, at 9.—A Yorkshire Moor: Prof. L. C. Miall, F.R.S.
- GEOLOGICAL SOCIETY, at 3.—Annual General Meeting.
- EPIDEMIOLOGICAL SOCIETY, at 8.30.—The Relationship of Variations of the Ground-Water Level to the Incidence and Seasonal Distribution of Malarial Fevers in India: Surgeon-Captain Leonard Rogers.

SATURDAY, FEBRUARY 19.

- ROYAL INSTITUTION, at 3.—The Structure of Instrumental Music: William H. Hadow.

MONDAY, FEBRUARY 21.

- IMPERIAL INSTITUTE, at 8.30.—The Nile and its Tributaries: Colonel C. M. Watson, R.E., C.M.G.
- SOCIETY OF ARTS, at 8.—The Principles of Design in Form: Hugh Stannus.
- VICTORIA INSTITUTE, at 4.30.—Purpose in Nature: Dr. W. Kidd.

TUESDAY, FEBRUARY 22.

- ROYAL INSTITUTION, at 3.—The Simplest Living Things: Prof. E. Ray Lankester, F.R.S.
- ANTHROPOLOGICAL INSTITUTE, at 8.30.—Ethnographical Notes on the Murray Islands, Torres Straits: Rev. Archibald E. Hunt.—There will be exhibited two Tattooed Heads carved in Kauri Gum from New Zealand, lent by Edge Partington; and a Collection of Objects obtained during the Recent Exploration of a Cairn in Breconshire, lent by T. C. Cantrell.
- INSTITUTION OF CIVIL ENGINEERS, at 8.—The Theory, Design, and Practical Working of Alternate-Current Motors: Llewelyn B. Atkinson.—Dublin Electric Tramways: H. F. Parshall.

WEDNESDAY, FEBRUARY 23.

- SOCIETY OF ARTS, at 8.—Children's Sight: R. Brudenell Carter.

THURSDAY, FEBRUARY 24.

- ROYAL SOCIETY, at 4.30.—Meeting for Discussion.—Subject: The Scientific Advantages of an Antarctic Expedition. The Discussion will be opened by Dr. John Murray, F.R.S.
- INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—On the Manufacture of Lamps and other Apparatus for 200 volts Circuits: G. Binswanger Byng.

FRIDAY, FEBRUARY 25.

- ROYAL INSTITUTION, at 9.—The Theory of Colour Vision applied to Modern Colour Photography: Captain W. de W. Abney, C.B., F.R.S.
- INSTITUTION OF CIVIL ENGINEERS, at 8.—The Problem of Train Resistance: C. E. Wolff.

SATURDAY, FEBRUARY 26.

- ROYAL INSTITUTION, at 3.—The Structure of Instrumental Music: W. H. Hadow.

BOOKS, PAMPHLETS, and SERIALS RECEIVED.

BOOKS.—The Arrangement of Atoms in Space: J. H. van't Hoff, 2nd edition, translated and edited by A. Eiloart (Longmans).—On Laboratory Arts: Prof. R. Threlfall (Macmillan).—Motion: its Origin and Conservation: Rev. Dr. W. McDonald (Dublin, Browne).—Calendar, &c., of the Department of Science and Art, 1898 (Eyre).—Evolutional Ethics and Animal Psychology: E. P. Evans (Heinemann).—The Flora of Berkshire: G. C. Druce (Oxford, Clarendon Press).—Researches on Tuberculosis: Dr. A. Ransome (Smith, Elder).—Pasteur: Prof. and Mrs. P. Frankland (Cassell).—Lehrbuch der Entwicklungsgeschichte des Menschen: Dr. J. Kollmann (Jena, Fischer).—Organographie der Pflanzen: Dr. K. Goebel, Erster Teil (Jena, Fischer).—Das Optische Drehungsvermögen: Dr. H. Landolt, Zweite Auflage (Braunschweig, Vieweg).—Die Gattung Cycloclamen L.: Dr. F. Hildebrand (Jena, Fischer).

PAMPHLETS.—Museum Handbooks: Catalogue of the Hadfield Collection of Shells from the Loyalty Islands, Parts 2 and 3 (Manchester, Cornish).—A Visit to Giessen: Prof. Senier (Dublin, Ponsobny).

SERIALS.—Physical Review, November, December, and January (Macmillan).—American Journal of Psychology (Worcester, Mass.).—Observatory, February (Taylor).—Bulletin de la Société Impériale des Naturalistes de Moscou, 1897, No. 2 (Moscou).—Geographical Journal, February (Stanford).—Boletim do Museu Paraense, &c., Vol. 2, No. 2 (Pará, Brazil).—Quarterly Journal of Microscopical Science, January (Churchill).—Engineering Magazine, February (222 Strand).—Atlantic Monthly, February (Gay).—Zeitschrift für Physikalisches Chemie, xxv. Band, 1 Heft (Leipzig, Engelmann).—Annales de l'Electrobiologie, &c., No. 1 (Paris, Alcan).—Memorias y Revista de la Sociedad Científica, Tomo x. Nos. 5-12 (Mexico).—Memoirs of the Boston Society of Natural History, Vol. v. No. 3 (Boston, Mass.).—An Illustrated Manual of British Birds: H. Saunders, 2nd edition, Part 4 (Gurney).—Journal of the Institution of Electrical Engineers, February (Spon).—Memoirs and Proceedings of the Manchester Literary and Philosophical Society, Vol. 42, Part 1 (Manchester).—American Journal of Science, February (Newhaven).—Among British Birds in their Nesting Haunts: O. A. J. Lee, Part 9 (Edinburgh, Douglas).—The West Australian Settler's Guide and Farmer's Handbook, Part 5 (Perth, W.A., Wigg).

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