

In the use of boiling amyl alcohol and sodium as a reducing agent, it was found that the regenerated amyl alcohol had its boiling point raised. This was found to be due to the presence of a new alcohol, $C_{10}H_{22}O$, and its isovaleric ether. A second acid of the composition $C_{10}H_{18}O_2$ is also produced in the same reaction.—Distribution of carbon in humic materials, by M. G. André.—On the embryogeny of *Stoecharthrum Giardi*, by MM. Maurice Caullery and Félix Mesnil.—Contribution to the study of elements peculiar to the general cavity of the Phytosome, by MM. J. Kunstler and A. Gruvel.—On the earthquake at Triphylie of January 22, by M. D. Eginitis.

DIARY OF SOCIETIES.

THURSDAY, MARCH 2.

ROYAL SOCIETY, at 4.30.—Perturbations of the Leonids: Dr. G. J. Stoney, F.R.S., and Dr. Downing, F.R.S.—On Flapping Flight of Aeroplanes: Prof. M. F. Fitzgerald.—On Hydrogen Peroxide as the Active Agent in producing Pictures on a Photographic Plate in the Dark: Dr. Russell, F.R.S.

ROYAL INSTITUTION, at 3.—Toxins and Antitoxins: Dr. Allan Macfadyen.

LINNEAN SOCIETY, at 8.—On the External Nares of the Cormorant: W. P. Pycraft.—On the Irish *Carex rhynchoophysa*: G. C. Druce.—On the Fertilisation of *Glaux maritima*, Linn.: Edward Step.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Wireless Telegraphy: G. Marconi.

CHEMICAL SOCIETY, at 8.—Bromomethylfurfuraldehyde: H. J. H. Fenton and Mildred Gostling.—The Action of Metallic Thiocyanates on certain Substituted Carbamic and Oxamic Chlorides, and a New Method for the Production of Thiobisrets: Dr. Augustus Edward Dixon.—Ethylic $\beta\beta$ -Dimethylpropane Tetracarboxylate: W. Trevor Lawrence.—The Action of Alkyl Iodides on Hydroxylamine: Prof. Wyndham R. Dunstan, F.R.S., and Ernest Goulding.

FRIDAY, MARCH 3.

GEOLOGISTS' ASSOCIATION, at 8.—Honeycomb and other Forms of Surface Weathering of Sandstone and Limestone: George Abbott.

QUEKETT MICROSCOPICAL CLUB, at 8.

SATURDAY, MARCH 4.

ROYAL INSTITUTION, at 3.—Mechanical Properties of Bodies: Lord Rayleigh, F.R.S.

MONDAY, MARCH 6.

SOCIETY OF ARTS, at 8.—Cycle Construction and Design: Archibald Sharp.

VICTORIA INSTITUTE, at 4.30.—The Nature of Life, Part II.: Prof. Lionel Beale, F.R.S.

TUESDAY, MARCH 7.

ROYAL INSTITUTION, at 3.—Morphology of the Mollusca: Prof. E. Ray Lankester, F.R.S.

ZOOLOGICAL SOCIETY, at 8.30.—Exhibition and Remarks upon Specimens of the *Medusa* of Lake Tanganyika: J. E. S. Moore.—On the Chimpanzees and their Relationship to the Gorilla: Dr. A. Keith.—On the Myology of the Edentata: Dr. C. A. Windle and Prof. P. G. Parsons.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Water-Tube Boilers for Marine Engines: J. T. Milton.—Recent Trials of the Machinery of War-Ships: Sir A. J. Durston, K.C.B., R.N., and H. J. Oram, R.N.—Monthly Ballot for Members.

WEDNESDAY, MARCH 8.

SOCIETY OF ARTS, at 8.—Cornish Mines and Miners: J. H. Collins.

GEOLOGICAL SOCIETY, at 8.—On the Evolution of the Genus *Micraster*: A. W. Rowe.—On a Silt and Faulted Inlier in Tideswell Dale (Derbyshire): H. H. Arnold-Bemrose.

THURSDAY, MARCH 9.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: A Preliminary Note upon certain Organisms isolated from Cancer, and their Pathogenic Effects upon Animals: H. G. Plimmer.—On the Gastric Gland of Mollusca and Decapod Crustacea: its Structure and Functions: Dr. MacMunn.

SOCIETY OF ARTS (Indian Section), at 4.30.—Leprosy in India: H. A. Acworth.

MATHEMATICAL SOCIETY, at 8.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Subject announced at Meeting of March 2.

FRIDAY, MARCH 10.

ROYAL INSTITUTION, at 9.—Measuring Extreme Temperatures: Prof. H. L. Callendar.

ROYAL ASTRONOMICAL SOCIETY, at 8.

PHYSICAL SOCIETY, at 5.—(1) A Study of an Apparatus for the Determination of the Rate of Diffusion of Solids dissolved in Liquids; (2) Note on the Source of Energy in Diffusive Convection: Albert Griffiths.—An Exhibition of Dr. A. Wehnelt's Electrolytic Current Interrupter for Ruhmkorff Coils: A. A. Campbell Swinton.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Construction of the Elan Aqueduct, Birmingham Waterworks: H. Lapworth.

MALACOLOGICAL SOCIETY, at 8.

SATURDAY, MARCH 11.

ROYAL INSTITUTION, at 3.—Mechanical Properties of Bodies: Lord Rayleigh, F.R.S.

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BOOKS, PAMPHLETS, and SERIALS RECEIVED.

Books.—Telegraphy: W. H. Preece and J. Sivewright, 15th edition (Longmans).—The Tutorial Dynamics: W. Briggs and G. H. Bryan (Clive).—Matriculation Directory, January (Clive).—Verhandlungen der Deutschen Zoologischen Gesellschaft auf der Achten Jahresversammlung zu Heidelberg den 1 bis 3, Juni 1898: Prof. J. W. Spengel (Leipzig, Engelmann).—Calendar, &c. of the Department of Science and Art, 1899 (London).—The Science of Life: J. A. Thomson (Blackie).—Allgemeine Biologie: Dr. M. Kasswitz, Zweiter Band (Wien, Perles).—Practical Work in Physics: W. G. Woolcombe, Part 4 (Oxford, Clarendon Press).—Die Medial-Fernrohre: Prof. L. Schupmann (Leipzig, Teubner).—Vertebrate Remains from the Port Kennedy Bone Deposit: E. D. Cope (Philadelphia).—Cambridge Natural History. Vol. ix. Birds: A. H. Evans (Macmillan).—The Chemistry of Coke: O. Simmersbach, translated, &c., by W. C. Anderson (Glasgow, Hodge).—Practical Dictionary of Electrical Engineering and Chemistry: P. Heyne (Grevell).—History of the New World called America: E. J. Payne, Vol. 2 (Oxford, Clarendon Press).—L'Audition et les Organes: Dr. M. E. Gellé (Paris, Alcan).—La Céramique Ancienne et Moderne: E. Guignet and E. Garnier (Paris, Alcan).—Recueil de Données Numériques, Optique, Deux Fasc. (Paris, Gauthier-Villars).—Lectures on Theoretical and Physical Chemistry: Prof. J. H. van 't Hoff, translated by Prof. R. A. Lehfeldt, Part 1 (Arnold).—Year-Book of the Royal Society, 1899 (Harrison).—Proceedings of the London Mathematical Society, Vol. xxix., 2 parts (Hodgson).—The Great Salt Lake Trail: Colonels Inman and Cody (Macmillan).—Volcanoes, their Structure and Significance: Prof. T. G. Bonney (Murray).—The Penycuik Experiments: Prof. J. C. Ewart (Black).—Electrician Electrical Trades Directory, 1899 (Electrician Company).—The Story of the British Race: J. Munro (Newnes).—Researches into the Origin of the Primitive Constellations of the Greeks, Phoenicians, and Babylonians: J. Brown, jun., Vol. 1 (Williams).—Under the African Sun: Dr. W. J. Ansoorge (Heinemann).

PAMPHLETS.—Regeneration und Entwicklung: Dr. H. Strasser (Jena, Fischer).—Die Lehre vom Organismus und ihre Beziehung zur Sozialwissenschaft: O. Hertwig (Jena, Fischer).

SERIALS.—American Journal of Science, February (New Haven).—Astrophysical Journal, January (Chicago).—Zoologist, February (West).—American Naturalist, February (Boston).—Botanische Jahrbücher, &c., Sechster Band, 3 and 4 Heft (Leipzig).—Plantæ Europææ: Richter and Gürke, Tomus ii. Fasc. 2 (Leipzig).—Physical Review, January (Macmillan).—Journal of the Franklin Institute, February (Philadelphia).—Engineering Magazine, February (222 Strand).—Annales de l'Observatoire Météorologique, &c., du Mont Blanc, Tome 3 (Paris).—Brain, Part 84 (Macmillan).—National Geographic Magazine, January (Washington).—Le Monde Moderne, February (Paris).—Popular Astronomy, February, Northfield, Minn.).—Memoirs of the Geological Survey of India, Ser. xv. Vol. 1, Part 3 (Calcutta).—Chambers's Journal, March (Chambers).—Journal of the Chemical Society, February (Gurney).—Good Words, March (Isbister).—Sunday Magazine, March (Isbister).—Century Magazine, March (Macmillan).—Journal of the Royal Microscopical Society, February (London).—Photogram, March (Dawbarn).

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