

to exclude that portion into which the ducts of the liver and pancreas open. He then fed the animal on cream, and found that in no single case was any of the emulsified fat absorbed.—Dr. R. du Bois Reymond exhibited a number of Röntgen photographs.

January 24.—Prof. du Bois Reymond, President, in the chair.—Dr. Apolant spoke on the ciliary ganglion, which has at one time been regarded as a spinal, at another time as a sympathetic structure, these views being based on anatomical, morphological, embryological and physiological researches. Of late years it has been shown by stimulation that this ganglion is in the closest relationship to the oculomotor nerve, and the speaker had made experiments on cats and found that the degeneration set up by section of this nerve progresses only as far as the cells of the ganglion; whereas the latter, as well as the ciliary nerves which spring from them, remain intact. He hence concluded that the ganglion belongs to the sympathetic system.—Dr. Rawitz described how he had, by means of his new method of staining, investigated the attraction-spheres in the testicular cells of salamander maculosa during the first stages of division. He found that the sphere, which is stained dark by alizarin, becomes larger and stains less deeply, after which amœboid processes make their appearance on its surface. These then separate off in a globular form, whereby the sphere becomes divided up into some six or nine small dark spherules. Later on the central zone of the sphere becomes elongated, oval, and spindle-shaped, the spherules arranging themselves longitudinally in the axis of the spindle. After this the central spherules disappear, leaving only the two polar end particles, which then undergo the ordinary well-known later changes. These observations were made on salamanders caught in June; later in the year, the above phases were no longer to be seen.

DIARY OF SOCIETIES.

LONDON.

THURSDAY, FEBRUARY 27.

ROYAL SOCIETY, at 4.30.—On the Spinal-Root Connections and Ganglion-cell Connections of the Nerve Fibres which produce Contraction of the Spleen; Prof. Schäfer, F.R.S., and B. Moore.—A Method for rapidly producing Diphtheria Antitoxines. Preliminary Note: Dr. C. Wood.
ROYAL INSTITUTION, at 3.—Some Aspects of Modern Botany: Prof. H. Marshall Ward, F.R.S.
INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Electric Wiring Question: F. Bathurst.—Concentric Wiring: Sam. Mavor.—High-Voltage Lamps and their Influence on Central Station Practice: G. L. Addenbrooke.
SOCIETY OF ANTIQUARIES, at 8.30.

FRIDAY, FEBRUARY 28.

ROYAL INSTITUTION, at 9.—Marine Organisms and their Conditions of Environment: Dr. John Murray.
PHYSICAL SOCIETY, at 5.—Experiments with Incandescent Lamps: Sir D. Salomons.—The Alternating Current Arc: Messrs. Fleming and Petavel.
INSTITUTION OF CIVIL ENGINEERS, at 8.—Loughborough Sewage-Disposal Works: Arthur S. Butterworth.

SATURDAY, FEBRUARY 29.

ROYAL INSTITUTION, at 3.—Light: Lord Rayleigh, F.R.S.

MONDAY, MARCH 2.

SOCIETY OF ARTS, at 8.—The Chemistry of certain Metals and their Compounds used in Building, and the Changes produced in them by Air, Moisture, and Noxious Gases, &c.: Prof. J. M. Thomson.
SOCIETY OF CHEMICAL INDUSTRY (Burlington House), at 8.—Artificial Silk: Messrs. Cross and Bevan.
VICTORIA INSTITUTE, at 4.30.—Paper by Dr. Guppy.

TUESDAY, MARCH 3.

ROYAL INSTITUTION, at 3.—The External Covering of Plants and Animals: Prof. Charles Stewart.
SOCIETY OF ARTS, at 8.—The Commercial Prospects of English East Africa and British Central Africa: G. Scott Elliot.
ZOOLOGICAL SOCIETY, at 8.—Remarks on the Divergences between the "Rules for Naming Animals" of the German Zoological Society and the Stricklandian Code of Nomenclature (to introduce a discussion on Zoological Nomenclature): P. L. Sclater, F.R.S.—On the Ornithological Researches of M. Jean Kalinowski in Central Peru; Graf Hans v. Berlepsch and J. Stolzmann.—On West Indian Terrestrial Isopod Crustaceans: Adrian Dollfus.
INSTITUTION OF CIVIL ENGINEERS, at 8.—On Littoral Drift in relation to River-Outfalls and to Harbour-Entrances: William Henry Wheeler.
PATHOLOGICAL SOCIETY, at 8.30.
ROYAL VICTORIA HALL, at 8.30.—A Visit to the Orkney Islands: J. Saxon Mills.

WEDNESDAY, MARCH 4.

SOCIETY OF ARTS, at 8.—Röntgen's Photography of the Invisible: A. A. Campbell Swinton.
BRITISH ARCHÆOLOGICAL ASSOCIATION, at 8.
ENTOMOLOGICAL SOCIETY, at 8.
SOCIETY OF PUBLIC ANALYSTS, at 8.—On the Estimation of the Diastatic Power of Malt: Dr. Walter J. Sykes and C. A. Mitchell.—Further Note on the Detection of Formalin: H. Droop Richmond and L. K. Boseley.—The Detection of Formalin: Otto Hehner.—Note on the Detection of Cotton-Seed Oil in Lard: E. J. Bevan.

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THURSDAY, MARCH 5.

ROYAL SOCIETY, at 4.30.
ROYAL INSTITUTION, at 3.—Masters of Modern Thought. I. Voltaire: Rev. William Barry.
LINNEAN SOCIETY, at 8.—Segmentally-disposed Thoracic Glands in the Larvæ of Trichoptera: Prof. Gustav Gilon.
CHEMICAL SOCIETY, at 8.—On the Explosion of Cyanogen: H. B. Dixon, E. H. Strange, and E. Graham.—On the Mode of Burning of Carbon: H. B. Dixon.—On the Detonation of Chlorine Peroxide: H. B. Dixon and J. A. Harker.—The Constitution of a New Acid resulting from the Oxidation of Tartaric Acid: H. J. H. Fenton.
SOCIETY OF ANTIQUARIES, at 8.30.

BOOKS, PAMPHLETS, and SERIALS RECEIVED.

BOOKS.—Results of Rain, River, and Evaporation Observations made in New South Wales, 1894: H. C. Russell (Sydney).—Studien zu Methodenlehre und Erkenntniskritik: F. Dreyer (Leipzig, Engelmann).—The Present Evolution of Man: G. A. Reid (Chapman).—Applied Magnetism: J. A. Kingdon (Alabaster).—By Tangled Paths: H. M. Briggs (Warne).—The Primary Factors of Organic Evolution: Prof. E. D. Cope (Open Court Publishing Company).—Calendar, History, and General Summary of Regulations of the Department of Science and Art, 1896 (Byre).—British Moths: J. W. Tutt (Routledge).—Résultats de l'Examen de Dix Mille Observations de Hernies: Prof. P. Berger (Paris, Alcan).—The Methods of Microscopical Research: A. C. Cole, 2nd edition (Baillière).—Lehrbuch der Experimental Physik: Prof. E. Riecke (Leipzig, Veit).—Géométrie Descriptive: A. Gouilly (Paris, Gauthier-Villars).—Calendario del Santuario di Pompei, 1896 (Valle di Pompei).—Exercices in Physical Measurement: Drs Austin and Thwing (Boston, Allyn).—Leçons sur l'électricité et Le Magnétisme de E. Mascart et J. Joubert, deux édition. E. Mascart, tome premier (Paris, Masson).
PAMPHLETS.—The Ballarat Field (Robertson).—Geological Literature added to the Geological Society's Library during the Year ended December 31, 1895 (Geological Society).—Report of Observations of Injurious Insects, &c., 19th Report: E. A. Ormerod (Simpkin).—Realgymnasium des Johanneums zu Hamburg (Hamburg).
SERIALS.—Royal Natural History, Vol. v. Part 28 (Warne).—Beiträge zur Psychologie und Philosophie, i. Band, i. Heft (Leipzig, Engelmann).—Quarterly Journal of the Geological Society, No. 205 (Longmans).—The Aeronautical Annual, No. 2 (Wesley).—Princeton Contributions to Psychology, January (Princeton).—Psychological Review Index for 1895 (Macmillan).—National Geographic Magazine, February (Marlborough).—Bulletin de l'Académie Royale des Sciences, &c., de Belgique, 1896, No. 1 (Bruxelles).

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