

preparation and properties of aricine, by MM. H. Moissan and Ed. Landrin.—Influence of light and of the leaves upon the development of the tubers of the potato, by M. Pagnoul.—The comparative physiology of the sensations of taste and touch; note by M. Raphaël Dubois.—A method of studying the nuclei of white corpuscles, by M. Mayet.—On the localization, in plants, of the principles which yield hydrocyanic acid, by M. Léon Guignard.—On the intensification of sexuality in a hybrid (*Ophrys tenthredinifera-scolopax*), note by M. L. Trabut.—On the relations which appear to exist between the Cretaceous Mammalia of America and the Mammalia of the Cernaysienne fauna in the neighbourhood of Rheims.—Remarks by M. Albert Gaudry on the communication of M. Lemoine; appearances of inequality in the development of the beings of the Old and New Worlds.—New anthropological discoveries at Champigny (Seine), by M. Émile Rivière.—Note on the formation of the delta of the Neva, according to the latest researches, by M. Venukoff.

DIARY OF SOCIETIES.

LONDON.

THURSDAY, MARCH 13.

ROYAL SOCIETY, at 4.30.—On the Organization of the Fossil Plants of the Coal-Measures, Part 17: Prof. W. C. Williamson, F.R.S.—The Nitrifying Process and its Specific Ferment, Part 1: Prof. P. F. Frankland and Grace C. Frankland.
 MATHEMATICAL SOCIETY, at 8.—Some Groups of Circles connected with Three given Circles: R. Lachlan.—Perfect Numbers: Major P. A. MacMahon, R.A.
 SOCIETY OF ARTS, at 5.—Agriculture and the State in India: W. R. Robertson.
 INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Theory of Armature Reactions in Dynamos and Motors; James Swinburne.—Some Points in Dynamo and Motor Design: W. B. Esson. (Discussion.)
 ROYAL INSTITUTION, at 3.—The Early Development of the Forms of Instrumental Music (with Musical Illustrations): Frederick Niecks.

FRIDAY, MARCH 14.

ROYAL ASTRONOMICAL SOCIETY, at 8.
 ROYAL INSTITUTION, at 9.—The Glow of Phosphorus: Prof. T. E. Thorpe, F.R.S.

SATURDAY, MARCH 15.

SOCIETY OF ARTS, at 3.—The Atmosphere: Prof. Vivian Lewes.
 ROYAL INSTITUTION, at 3.—Electricity and Magnetism: Right Hon. Lord Rayleigh, F.R.S.

SUNDAY, MARCH 16.

SUNDAY LECTURE SOCIETY, at 4.—A Trip to British Columbia—the Life of an Emigrant in North-West Canada (with Oxyhydrogen Lantern Illustrations): Dr. James Edmunds.

MONDAY, MARCH 17.

SOCIETY OF ARTS, at 8.—Some Considerations concerning Colour and Colouring: Prof. A. H. Church, F.R.S.
 ARISTOTELIAN SOCIETY, at 8.—Symposium—The Relation of the Fine Arts to one another: B. Bosanquet, E. W. Cook, and D. G. Ritchie.

TUESDAY, MARCH 18.

ZOOLOGICAL SOCIETY, at 8.30.—On the South American Canidæ: Dr. Miavart, F.R.S.—A Revision of the Genera of Scorpions of the Family Buthidæ, with Descriptions of some New South African Species: R. I. Pocock.—On some Points in the Anatomy of the Condor: F. E. Beddard.
 SOCIETY OF ARTS, at 5.—Brazil: James Wells.
 MINERALOGICAL SOCIETY, at 8.—An Account of a Visit to the Calcite Quarry in Iceland: J. L. Hoskyns Abrahall.—Mineralogical Notes: H. A. Miers.—The History of the Meteoric Iron of Tucson: L. Fletcher, F.R.S.
 ROYAL STATISTICAL SOCIETY, at 7.45.—On Marriage-Rates and Marriage-Ages, with Special Reference to the Growth of Population: Dr. William Ogle.
 INSTITUTION OF CIVIL ENGINEERS, at 8.—Lough Erne Drainage: James Price, Jun.
 ROYAL INSTITUTION, at 3.—The Post-Darwinian Period: Prof. G. J. Romanes, F.R.S.

WEDNESDAY, MARCH 19.

SOCIETY OF ARTS, at 8.—Commercial Geography: J. S. Keltie.
 ROYAL METEOROLOGICAL SOCIETY, at 7.—A Brief Notice respecting Photography in Relation to Meteorological Work: G. M. Whipple.—Application of Photography to Meteorological Phenomena: William Marriott.
 ROYAL MICROSCOPICAL SOCIETY, at 8.—On the Variations of the Female Reproductive Organs, especially the Vestibule, in different Species of Uropoda: A. D. Michael.
 UNIVERSITY COLLEGE CHEMICAL AND PHYSICAL SOCIETY, at 5.—The Manufacture of Aluminium by the Deville-Castner Process: F. A. Anderson.

THURSDAY, MARCH 20.

ROYAL SOCIETY, at 4.30.
 LINNEAN SOCIETY, at 8.—The External Morphology of the Lepidopterous Pupæ; Part 2, the Antennæ and Wings: E. B. Poulton, F.R.S.—On the Intestinal Canal of the Ichthyopsidæ with especial Reference to its Arterial Supply: Prof. G. B. Howes.

CHEMICAL SOCIETY, at 8.—The Evidence afforded by Petrographical Research of the Occurrence of Chemical Change under Great Pressures: Prof. Judd, F.R.S.

ZOOLOGICAL SOCIETY, at 4.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.

ROYAL INSTITUTION, at 3.—The Early Developments of the Forms of Instrumental Music (with Musical Illustrations): Frederick Niecks.

FRIDAY, MARCH 21.

PHYSICAL SOCIETY, at 5.—On the Villari Critical Point of Nickel: Herbert Tomlinson.—On Bertrand's Idiocylophanous Prism: Prof. Silvanus Thompson.

INSTITUTION OF CIVIL ENGINEERS, at 7.30.—Economy Trials of a Compound Mill-Engine and Lancashire Boilers: L. A. Legros.

ROYAL INSTITUTION, at 9.—Electro-magnetic Radiation: Prof. G. F. Fitzgerald, F.R.S.

SATURDAY, MARCH 22.

SOCIETY OF ARTS, at 3.—The Atmosphere: Prof. Vivian Lewes.

ROYAL BOTANIC SOCIETY, at 3.45.

ROYAL INSTITUTION, at 3.—Electricity and Magnetism: Right Hon. Lord Rayleigh, F.R.S.

BOOKS, PAMPHLETS, and SERIALS RECEIVED.

The Reign of Law, 10th Edition: Duke of Argyll (Murray).—Recherches sur les Tremblements de Terre: J. Girard (Paris, Leroux).—The English Sparrow in North America: Dr. C. H. Merriam and W. B. Barrows (Washington).—Facsimile-Atlas to the Early History of Cartography: A. E. Nordenskiöld; translated by J. A. Ekelöf and C. R. Markham (Stockholm).—Birds' Nests, Eggs, and Egg-Collecting: R. Kearton (Cassell).—Force as an Entity with Stream, Pool, and Wave Forms: Lieut. Colonel W. Sedgwick (Low).—Notes on Indian Economic Entomology (Calcutta).—National Academy of Sciences, vol. 4; Second Memoir, the Solar and the Lunar Spectrum: S. P. Langley.—Erläuterungen zu der Geologischen Uebersichtskarte der Alpen: Dr. F. Noë (Wien, Hölzel).—Journal of Morphology, vol. 3, No. 3 (Collins).—North American Fauna, No. 3: C. H. Merriam (Washington).—Himmel und Erde, Heft 6 (Berlin).

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