

Action of high temperatures upon antimony peroxide, by M. H. Baubigny. At a temperature just above the melting-point of gold, antimony peroxide is almost completely decomposed into oxygen and the volatile antimony trioxide.—Action of tannin and some other aromatic derivatives upon some alkaloids and compound ureas, by M. Echsner de Coninck.—On some derivatives of anethol, by M. Georges Darzens. The unsaturated nature of anethol was shown by the formation of a chlorine derivative by addition. The chlorine was used in carbon tetrachloride solution, a very convenient form of using chlorine in known amounts. This derivative cannot be distilled, as it readily splits off hydrogen chloride, leaving a monochloranethol from which, by addition of chlorine and bromine in carbon tetrachloride solution, the corresponding saturated halogen compounds were prepared.—On the combination of iodine with rice and wheat starch, by M. G. Rouvier.—On the solubility of the red colouring matter of the raisin, and on the sterilisation of the expressed juice of fruit, by M. A. Rosenstiehl.—On the Japanese and Chinese vines acclimatised at Damigny (Orne), and on the composition of the wines which they produce, by M. L. Lindet.—On the composition of the ancient Indian pottery of Venezuela, by M. F. Geay.—Refractory period in the nervous centres, nervous wave, and consequences which result, from the point of view of cerebral dynamics, by MM. André Broca and Charles Richet.—On a new anatomical apparatus observed in the peritoneum, by M. J. J. Andeer.—On some anatomical peculiarities observed in the larva of *Thriaxion Halidayanum*, by M. J. Pantel.—On the relations of *Antennophorus Uhlmanni* (Haller) with *Lasius mixtus* (Nyl), by M. Charles Janet. The *Antennophorus* are parasites living on the *Lasius*, and are nourished by a nutritive fluid exuded by the ants. The parasites always place themselves symmetrically about the body of their host, so that his movements are impeded as little as possible.—On some points in the geology of the environs of Bourgaenuef (Creuse), by M. Ph. Glangeaud.—On the use of formaline in the preparation of microscopic specimens, after hardening with osmic acid, by M. Ch. Rousselet.—Synthesis of the elementary forces, by M. Bridou.

DIARY OF SOCIETIES.

THURSDAY, MARCH 25.

ROYAL SOCIETY, at 4.30.—Meeting for Discussion. *Subject*: The Chemical Constitution of the Stars, introduced by J. Norman Lockyer, C.B., F.R.S., with a Communication "On the Chemistry of the Hottest Stars."
 ROYAL INSTITUTION, at 3.—The Relation of Geology to History: Prof. W. Boyd Dawkins, F.R.S.
 SOCIETY OF ARTS (Imperial Institute), at 8.—The Cultivation and Manufacture of Rhea Fibre: Thomas Barraclough.
 INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—On some Repairs to the South American Company's Cable off Cape Verde, 1893 and 1895: H. Benest. (Continuation of Discussion.)
 CHEMICAL SOCIETY, at 8.—The Pasteur Memorial Lecture: Prof. P. F. Frankland, F.R.S.
 CAMERA CLUB, at 8.15.—From Mont Blanc to the Matterhorn: Lamond Howie.

FRIDAY, MARCH 26.

ROYAL INSTITUTION, at 9.—Early Man in Scotland: Sir William Turner, F.R.S.
 PHYSICAL SOCIETY (Finsbury Technical College), at 5.—Various Exhibitions of Experiments, &c., will be shown by Prof. Thompson and others.
 INSTITUTION OF CIVIL ENGINEERS, at 8.—The Re-signalling of the Liverpool Street Terminus of the Great Eastern Railway: W. J. Griffiths.

SATURDAY, MARCH 27.

ROYAL INSTITUTION, at 3.—Electricity and Electrical Vibrations: Lord Rayleigh, F.R.S.
 ROYAL BOTANIC SOCIETY, at 4.
 ESSEX FIELD CLUB (at Loughton), at 6.30.—Seventeenth Annual Meeting.—Presidential Address: Field Work as Science Training: David Howard.

MONDAY, MARCH 29.

SOCIETY OF ARTS, at 4.30.—Alloys: Prof. W. Chandler Roberts-Austen, C.B., F.R.S.
 SANITARY INSTITUTE, at 8.—Ventilation, Warming, and Lighting: Dr. Joseph Priestley.
 INSTITUTE OF ACTUARIES, at 7.—Mortality Experience of Assured Lives and Annuitants in France: G. F. Hardy.
 CAMERA CLUB, at 8.15.—Snowdon in Winter; Climbing in Dauphiné: Henry Speyer.

TUESDAY, MARCH 30.

ROYAL INSTITUTION, at 3.—Animal Electricity: Prof. A. D. Waller, F.R.S.
 SOCIETY OF ARTS, at 8.—Lead-work: W. R. Lethaby.
 ANTHROPOLOGICAL INSTITUTE, at 8.
 INSTITUTION OF CIVIL ENGINEERS, at 8.—Electric Lifts and Cranes: Henry W. Ravenshaw.
 ROYAL VICTORIA HALL, at 8.30.—Quicksilver: Dr. H. Forster Motley.

WEDNESDAY, MARCH 31.

SOCIETY OF ARTS, at 8.—Cycling—Historical and Practical: George Lacy Hillier.
 CHEMICAL SOCIETY, at 3.—Annual General Meeting.—Ballot for Election of Officers and Council.

THURSDAY, APRIL 1.

ROYAL SOCIETY, at 4.30.—The Croonian Lecture—"The Mammalian Spinal Cord as an Organ of Reflex Action"—will be delivered by Prof. C. S. Sherrington, F.R.S.
 ROYAL INSTITUTION, at 3.—The Relation of Geology to History: Prof. W. Boyd Dawkins, F.R.S.
 SOCIETY OF ARTS, at 4.30.—A Visit to Russian Central Asia: Michael Francis O'Dwyer.
 LINNEAN SOCIETY, at 8.—On the Evolution of Oxygen from Coloured Bacteria: Dr. A. J. Ewart.—On the Germination of Spores of Agaricinae: Miss Helen Beatrix Potter.
 CHEMICAL SOCIETY, at 8.—On the Oxidation of α -Dimethyl- α' -Chloropyridine: E. Aston and Prof. J. Norman Collie, F.R.S.—The Composition of Cooked Fish: K. J. Williams.
 CAMERA CLUB, at 8.15.—Mountain and West Coast Scenery at Home and Abroad: T. C. Porter.

FRIDAY, APRIL 2.

ROYAL INSTITUTION, at 9.—Metallic Alloys and the Theory of Solution: Charles T. Heycock, F.R.S.
 GEOLOGISTS' ASSOCIATION, at 8.—The Physical History of Romney Marsh: George Dowker.—A Collection of Flint Implements from Cookham: Llewellyn Treacher.

SATURDAY, APRIL 3.

ROYAL INSTITUTION, at 3.—Electricity and Electrical Vibrations: Lord Rayleigh, F.R.S.
 GEOLOGISTS' ASSOCIATION (Baker Street Station), at 1.37.—Excursion to Chesham and Cowcroft. Director: Upfield Green.

BOOKS AND SERIALS RECEIVED.

BOOKS.—Macmillan's Geography Readers, Book iii. (Macmillan).—The Dahlia: various Writers (Macmillan).—The Popular Religion and Folk-Lore of Northern India: W. Crooke, 2 Vols., new edition (A. Constable).—Dr. Nansen: the Man and his Work: F. Dörlan (S.P.C.K.).—The Elements of Electro-Chemistry: Dr. R. Lüpke, translated by M. M. P. Muir (Grevel).—A Manual of Chemistry: Prof. W. A. Tilden (Churchill).—Glaciers of North America: Prof. I. C. Russell (Boston, Mass., Ginn).—The Phase Rule: W. D. Bancroft (Ithaca, New York, *Journal of Physical Chemistry*).—Elementary Text-Book of Physics: Profs. Anthony and Brackett, 8th edition (New York, Wiley; London, Chapman).—Picture Lessons in Natural History (Bacon).—Les Gaz de l'Atmosphère: H. Henriet (Paris, Gauthier Villars).—The Calculus for Engineers and Physicists: Prof. R. H. Smith (Griffin).
 SERIALS.—L'Anthropologie, Tome viii. No. 1 (Paris).—American Naturalist, March (Philadelphia).

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