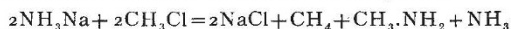


M. Roederer. Strontium ammonium is prepared in a similar manner to the compounds of ammonia with barium and calcium, and has the analogous formula $Ba(NH_3)_6$.—Osmosis through tubes of fused quartz: **G. Belloc.** The passage of gases through quartz tubes appears to be the result of a kind of devitrification caused by moisture and high temperature, the tendency to crystallisation being clearly made out under the microscope.—On a new osmium compound and a new reaction for osmium: **Piñerúa Alvarez.** The process is based on the formation of a green compound of hydriodic acid and osmium iodide of great tinctorial power.—The action of alkalis on aqueous solutions of acetol: **André Kling.** The behaviour of acetol on neutralisation with bases seemed to point to its being a pseudo-acid, and this view was confirmed by a study of the changes in its electrical conductivity.—On the saccharification by malt of artificial starch: **Eug. Roux.**—The action of metal ammoniums on the halogen derivatives of methane: **E. Chablay.** The equation



was found to represent the reaction between methyl chloride and sodium ammonium. The reactions with chloroform and iodoform were more complicated.—On the use of metal ammoniums in organic chemistry: the formation of primary amines: **Paul Lebeau.**—On a new method of characterising the purity of milk based on the estimation of the ammonia: **A. Trillat** and **M. Sauton.** Ammonia should not be present in normal pure milk; its presence is evidence of pollution.—On polymorphic transformations by mechanical action: **Fred. Wallerant.**—On the state of preservation of minerals in arable earth: **M. Cayeux.** In opposition to the views of **MM. Delage** and **Lagatu**, the author finds that minerals in an altered state are always present in arable earth.—New species of endophytes of orchids: **Noël Bernard.**—The culture of *Morchella*: **Ch Répin.**—The elective action of chloroform on the liver: **M. Doyon** and **J. Billet.**—On the toxicity of the urinary alkaloids: **H. Guillemand** and **P. Vranceano.**—The estimation of the sugar in the blood at the moment of accouchement in the goat without udders: **M. Porcher.**—The influence of sexuality on the nutrition of *Bombix mori* at the later stages of its evolution. The localisation of the glycogen, fat, and soluble albumen in the course of nymphosis: **C. Vanev** and **F. Maignon.**

DIARY OF SOCIETIES.

THURSDAY, MAY 18.

ROYAL SOCIETY, at 4.30.—On Lesage's Theory of Gravitation and the Repulsion of Light: **Prof. G. H. Darwin, F.R.S.**—The Atomic Weight of Chlorine; an Attempt to Determine the Equivalent of Chlorine by direct burning with Hydrogen: **Prof. H. B. Dixon, F.R.S.**, and **E. C. Edgar.**—The Flow of the River Thames in Relation to British Pressure and Rainfall: **Sir Norman Lockyer, K.C.B., F.R.S.**, and **Dr. W. J. S. Lockyer.**—Thorizantite, a New Mineral, from Ceylon: **Prof. W. R. Dunstan, F.R.S.**, and **G. S. Blake.**—A Modified Apparatus for the Measurement of Colour, and its Application to the Determination of the Colour Sensations: **Sir William Abney, K.C.B., F.R.S.**—Further Observations on the Germination of the Seed of the Castor Oil Plant (*Ricinus communis*): **Prof. J. Reynolds Green, F.R.S.**, and **H. Jackson.**—On the Efferent Relationship of the Optic Thalamus and Deiter's Nucleus to the Spinal Cord, with Special Reference to the Cerebellar Influx Theory (Hughlings Jackson) and the Genesis of Decerebrate Rigidity (Sherrington): **Dr. F. H. Thiele.**—On Reciprocal Innervation of Antagonistic Muscles. Eighth Note: **Prof. C. S. Sherrington, F.R.S.**—The Structure and Function of Nerve Fibres. Preliminary Communication and Addendum: **Prof. G. S. Macdonald.**—On the Occurrence of *Anopheles (Myzomyia) Listoni* in Calcutta: **Major A. Alcock, C.I.E., F.R.S.**, and **Major J. R. Adie.**—On the Chemical Mechanism of Gastric Secretion: **Dr. J. S. Edkins.**—Contributions to the Physiology of Mammalian Reproduction. Part I. The Estrous Cycle in the Dog. Part II. The Ovary as an Organ of Internal Secretion: **F. H. A. Marshall** and **W. A. Jolly.**

ROYAL INSTITUTION, at 5.—Flame: **Sir James Dewar, F.R.S.**

SOCIETY OF ARTS, at 4.30.—Plague in India: **Dr. C. Creighton.**

FARADAY SOCIETY, at 8.—An Application to Electrolytes of the Hydrate Theory of Solutions: **Dr. T. M. Lowry.**

FRIDAY, MAY 19.

ROYAL INSTITUTION, at 9.—The Native Races of the British East Africa Protectorate: **Sir Charles Elliot, K.C.M.G.**

EPIDEMIOLOGICAL SOCIETY, at 8.30.—Phthisis Rates: their Significance and their Teaching: **Dr. A. Ransome, F.R.S.**—Demonstration of a New Method for Recording the Incidence of Infectious Disease: **C. H. Cooper.**

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SATURDAY, MAY 20.

ROYAL INSTITUTION, at 3.—The Evolution of the Kingship in Early Society: **Dr. J. G. Frazer.**

MONDAY, MAY 22.

SOCIETY OF ARTS, at 8.—The Uses of Electricity in Mines: **H. W. Ravenshaw.**

VICTORIA INSTITUTE, at 4.30.—Minerals and Metals of the Old Testament: **Cavaliere W. P. Jervis.**

TUESDAY, MAY 23.

SOCIETY OF ARTS, at 4.30.—The Cape to Cairo Railway: **Sir Charles H. T. Metcalfe, Bart.**

ANTHROPOLOGICAL INSTITUTE, at 8.15.—The Great Zimbabwe: **Franklin White.**

WEDNESDAY, MAY 24.

LINNEAN SOCIETY, at 8.—Anniversary Meeting.

GEOLOGICAL SOCIETY, at 8.—On the Igneous Rocks occurring between St. David's Head and Strumble Head (Pembrokeshire): **J. V. Eldsen.**—

(1) The Rhætic and Contiguous Deposits of Glamorganshire; (2) On the Occurrence of Rhætic Rocks at Berrow Hill, near Tewkesbury (Gloucestershire): **L. Richardson.**

SOCIETY OF ARTS, at 8.—Modern Lightning Conductors: **Killingworth Hedges.**

THURSDAY, MAY 25.

ROYAL SOCIETY, at 4.30.—Croonian Lecture on "The Globulins": **W. B. Hardy, F.R.S.**

ROYAL INSTITUTION, at 5.—Electro-magnetic Waves: **Prof. J. A. Fleming, F.R.S.**

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Wireless Telegraphy Measurements: **W. Duddell** and **J. E. Taylor.**

FRIDAY, MAY 26.

ROYAL INSTITUTION, at 9.—The Development of Spectro-chemistry: **Prof. J. W. Brühl.**

SATURDAY, MAY 27.

ROYAL INSTITUTION, at 3.—The Evolution of the Kingship in Early Society: **Dr. J. G. Frazer.**

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