

A. Guyot and P. Pignet.—The cytology of the renal labyrinth of the *Thysanoura*: L. Bruntz.—The biology of a parasitic Rhabdocoele of *Cardium edule*: Paul Hallez.—The action of the X-rays on the evolution of the mammary gland during pregnancy in the rabbit: MM. Cluzet and Bassal. The evolution of the mammary gland may be hindered at all stages by the application of the X-rays, the maximum effect being produced when it is made in the course of the first fortnight.—The arrest and prolonged detention of radium sulphate in the living tissues: H. Dominici and Faure-Beaulieu.—The theory of electrical stimulation: Louis Lapicque.—An attempt to separate hypertensive substances from the urine: J. E. Abelous and E. Bardier.—Epithelioma and the parasitic nature of cancer: F. J. Bosc.—Acute tuberculous septicaemia of the guinea-pig: André Jousset.—Tubercles and fossil stems of Equisetum: P. H. Fritel and René Viguer.—The utilisation of faults for the determination of the mean density of the earth: A. Berget.—The study of the sea floor in the bay of the Seine: J. Thoulet.

GÖTTINGEN.

Royal Society of Sciences.—The *Nachrichten* (physico-mathematical section), part i. for 1908, contains the following memoirs contributed to the society:—

December 21, 1907.—The Pyrenomyces and Tubercaceae of the Göttingen flora: A. Peter.—The fundamental equations for the electromagnetic processes in moving bodies: H. Minkowski.

February 8, 1908.—Researches from the Göttingen University chemical laboratory (xix.) (1) Dissociation by the addition of water in terpene compounds; (2) synthesis of α -phellandrene; (3) synthesis of isofenchone (C₁₀H₁₆O) from nopinone (C₉H₁₄O): O. Wallach.—The differential equations of binary semi-invariants and invariants in independent substitutions: W. Fr. Meyer.

February 22.—The uniformisation of algebraic curves (imaginary substitution-groups): P. Koebe.

DIARY OF SOCIETIES.

THURSDAY, MAY 28.

ROYAL SOCIETY, at 4.30.—On the Theory of Capillarity: Prof. E. T. Whittaker, F.R.S.—Effect of a Cross Wind on Rifled Projectiles: A. Mallock, F.R.S.—Transparent Silver and other Metallic Films: Prof. T. Turner.—Mrs. Ayrton will give Demonstrations of Wave-Motion in Water. (Paper read January 30, 1908.)

ROYAL INSTITUTION, at 3.—The Chemistry of Photography: Dr. Alexander Scott, F.R.S.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.

FRIDAY, MAY 29.

ROYAL INSTITUTION, at 9.—Ancient and Mediæval Projectile Weapons other than Firearms: Sir Ralph Payne-Gallwey, Bart.

MONDAY, JUNE 1.

ARISTOTELIAN SOCIETY, at 8.—Person and Thing: Prof. G. Dawes Hicks.

INSTITUTE OF ACTUARIES, at 5.—Annual General Meeting.

TUESDAY, JUNE 2.

ROYAL INSTITUTION, at 3.—Animal Heat and Allied Phenomena: Prof. William Stirling.

WEDNESDAY, JUNE 3.

SOCIETY OF PUBLIC ANALYSTS, at 8.—Studies in Steam Distillation. Part iii. The Fatty Acids: H. Droop Richmond.—The Detection of Poisonous Metals: Dr. G. D. Lander and Mr. H. W. Winter.—The Estimation of Coconut Oil in Butter: Raymond Ross.—Ochoco Fat: Dr. Julius Lewkowitsch.—The Detection of Small Quantities of Methyl Alcohol in the Presence of Ethyl Alcohol: I. E. Hinkel.—The Separation of Certain Volatile Fatty Acids by Extraction with Benzene or Toluene: T. R. Hodgson.

ENTOMOLOGICAL SOCIETY, at 8.—On certain Nycteribiidæ, with Descriptions of Two New Species from Formosa: Hugh Scott.—Descriptions of some new Hesperidæ from Central and South America: Hamilton H. Druce.—Mimicry in Tropical American Butterflies: J. C. Moulton.—Heredity in the South-east African Form (*cenea*) of *Papilio dardanus* (*merope*): G. F. Leigh.

GEOLOGICAL SOCIETY, at 8.—On the Fossiliferous Rocks of the Southern Half of the Tortworth Inlier: F. R. C. Reed and Prof. S. H. Reynolds.

THURSDAY, JUNE 4.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: On the Aberration of Sloped Lenses and on their Adaptation to Telescopes of Unequal Magnifying Power in Perpendicular Directions: Lord Rayleigh, O.M., Pres. R.S.—On the Viscosity of Ice: R. M. Deeley.—The Effect of Tempera-

ture on the Neutralisation-Volume Change for Different Salts at Different Concentrations: Miss Ida Freund.—Note on a New Sounding Machine for Use on Lakes and Rivers without a Boat: Prof. E. J. Garwood.

ROYAL INSTITUTION, at 3.—The Chemistry of Photography: Dr. Alexander Scott, F.R.S.

LINNEAN SOCIETY, at 8.—Note on the Spicules of *Chirodota gemmifera* Dendy Hindle: Prof. A. Dendy, F.R.S.—Two New Fungus Diseases: E. S. Salmon.—The Caryophyllaceæ of Tibet: F. N. Williams.—Polychæta of the Indian Ocean: F. A. Potts.—The Stylasteria of the Indian Ocean: Dr. S. J. Hickson, F.R.S., and Miss Helen M. England.—A Contribution to the Mycology of South Africa: W. N. Cheesman and T. Gibbs.—*Exhibits*: Drawings prepared to illustrate Descourty's "Ornithologie brésilienne": C. E. Salmon.—Lantern-slides of the Life-history of a Wood-boring Wasp: F. Enoch.

INSTITUTION OF MINING ENGINEERS, at 11 a.m.—Presidential Address by C. E. Rhodes.—The Mineral Resources of Trinidad: J. Cadman.—The Occurrence of Fluorspar in Derbyshire: C. B. Wedd and G. C. Drabble.—Calcing-kilns: G. Jones.—Cobalt and Northern Ontario: J. B. Tyrrell.

CHEMICAL SOCIETY, at 8.30.—Condensation Products from Pinene Amino-dicarboxylic Acid: W. Godden.—A Delicate Test for Bromides alone, or in Solution with Chlorides: J. S. Jamieson.—Experiments on the Synthesis of *trans*-Methylcyclohexylidene-4-acetic Acid: W. H. Perkin and W. J. Pope.—The Triazo-group. Part iv., Allyl Azoimide: M. O. Forster and H. E. Fierz.

FRIDAY, JUNE 5.

ROYAL INSTITUTION, at 9.—The Nadir of Temperature and Allied Problems: Sir James Dewar, F.R.S.

INSTITUTION OF MINING ENGINEERS, at 11 a.m.—Winding-engine Tests, with Notes and Suggestions on the Design and Testing of Plant: S. L. Thacker.—The Utilisation of Sewage for the Production of Crude Oil and Ammonia: M. F. Purcell.—The Oil Prospects of Central British South Africa: Dr. C. Sandberg.—Oil-mining: D. M. Chambers.—Mining in the Boundary District of British Columbia: F. Keffer.

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