

of the double chlorides of dimercuriammonium and ammonium: H. **Gaudechon**. The compounds



in presence of water at the ordinary temperature behave as true double salts.—The establishment of the constitutional formula of fenone: L. **Bouveault** and M. **Levallois**. The authors regard their experimental work as definitely eliminating the formula suggested by Wallach, and giving great probability to that of Semmler.—The essence of *Magnolia kobus*: Eug. **Charabot** and G. **Laloue**. This essence consists chiefly of citral (15 per cent.) and anethol.—The volcano of Siroua, Moroccan Anti-Atlas: Louis **Gentil**.—Researches on the pulp called Netté flour: A. **Goris** and L. **Crété**. The name flour applied to this substance, which is obtained from the fruit of *Parkia biglobosa*, is a misnomer, as it contains no starch. It is rich in fatty matter, phosphates, and sugar (saccharose). As regards the latter, it contains about 25 per cent. of saccharose and 20 per cent. of glucose and levulose, and surpasses either the sugar beet or sugar cane.—The erythrolytic function of the spleen in fishes: Richard **Blumenthal**. In fish the spleen appears to be normally the place where the red corpuscles of the blood are destroyed.—Modifications of the blood caused by the injection of atropine or of peptone: MM. **Doyen** and Cl. **Gautier**.—Bovine bacilliform piroplasmoid observed in the neighbourhood of Algiers: H. **Soulié** and G. **Roig**.—An attempt at grafting articular tissues: Henri **Judet**. These experiments were made on rabbits, dogs, and cats, and show that it is possible to repair a loss of articular cartilage by the transplantation of fragments arising either from the costal cartilages of the same animal or the articular cartilages of an animal of closely allied species.—The nature of the urns of the Siphuncles: J. **Kunster**.—*Bacillus endoethrix*, a new bacterial parasite of the hair: Fernand **Guéguen**.—A Laboulbeniaceæ, *Trenomyces histophthorus*, an endoparasite of the lice (*Menopon pallidum* and *Goniocotes abdominalis*) of the domestic fowl: Édouard **Chalton** and François **Picard**.—The middle Lias in the Seybouse basin (Algeria): J. **Darreste de la Chavanne**.—A neotype of *Pinus (Pseudostrobus) Defrancei* in the Lutetian of the Trocadero (Paris): Paul **Combes**, jun.—Characteristics of the foliar trace in genera *Gyropteris* and *Tubicaulis*: Paul **Bertrand**.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 6.

ROYAL SOCIETY, at 4.30.—On the Weight of Precipitum obtainable in Precipitin Interactions with Small Weights of Homologous Protein: Prof. D. A. Welsh and H. G. Chapman.—Nitrication in Acid Soils: A. D. Hall, N. H. J. Miller, and C. T. Gimmingham.—A Criticism of the Oponic Theory based upon Studies carried out by Means of Melanin: S. G. Shattock and L. S. Dudgeon.—A Contribution to the Study of the Mechanism of Respiration, with Especial Reference to the Action of the Vertebral Column and Diaphragm: J. F. Halls-Dally.

ROYAL INSTITUTION, at 3.—The Story of the Spanish Armada: Major Martin Hume.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Protective Devices for High Tension Transmission Circuits: J. S. Peck.

LINNEAN SOCIETY, at 8.—Fruits and Seeds from the Pre-Glacial Beds of Britain and the Netherlands: Clement Reid, F.R.S.—On a Method of Disintegrating Peat and other Deposits containing Fossil Seeds: Mrs. Reid.—On a Botanical Expedition to Fokien: S. T. Dunn.

CIVIL AND MECHANICAL ENGINEERS' SOCIETY, at 8.—Some Devices for the Absorption of Shock on Wheeled Vehicles: F. G. Woollard.

CHEMICAL SOCIETY, at 8.30.—The Metallic Picrates: O. Silberrad and H. A. Phillips.—Organic Derivatives of Silicon. Part V., Benzylethylsilicone, Dibenzylsilicone and other Benzyl- and Benzylethyl-derivatives of Silicane: R. Robison and F. S. Kipping.—Some Physico-chemical Properties of Mixtures of Pyridine and Water: H. Hartley, N. C. Thomas, and M. P. Applebey.—The Constitution of Umbellulone, Part III.: F. Tutin.—The Residual Affinity of the Coumarins and Thio-coumarins as shown by their Additive Compounds: A. Clayton.—The Influence of Foreign Substances on Certain Transition Temperatures, and the Determination of Molecular Weights: H. M. Dawson and C. G. Jackson.—The Bromination of β -Hydroxydiphenylamine: Miss A. E. Smith and K. J. P. Orton.—Colour and Constitution of α -Methine Compounds, Part I.: F. G. Pope.—The Decomposition of Ammonium Bichromate by Heat. Preliminary Notice: W. M. Hooton.

FRIDAY, FEBRUARY 7.

ROYAL SOCIETY OF ARTS, at 8.—The Hygiene of the Pottery Trade: W. Burton.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Electric Hardening and Annealing Furnaces: P. T. Steinthal.

GEOLOGISTS' ASSOCIATION, at 8.—Presidential Address: The Centenary of the Geological Society: R. S. Herries.

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JUNIOR INSTITUTION OF ENGINEERS, at 8.—Aerial Navigation: H. Chatley.

MONDAY, FEBRUARY 10.

ROYAL SOCIETY OF ARTS, at 8.—The Theory and Practice of Clock Making: H. H. Cunynghame, C.B.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—The Story of London Maps: Laurence Gomme.

TUESDAY, FEBRUARY 11.

ROYAL INSTITUTION, at 3.—Membranes: Their Structure, Uses, and Products: Prof. W. Stirling.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—Additional Notes on New Guinea Games: Dr. A. C. Haddon, F.R.S.—Exhibition of a New Instrument for determining the Colour of the Hair, Skin, and Eyes: J. Gray.

INSTITUTION OF CIVIL ENGINEERS, at 8.—The Erection of the Pwll-y-Pant Viaduct on the Brecon and Merthyr Extension of the Barry Railway: A. L. Dickie.—Notes on the Erection of Cantilever Bridges: Prof. T. C. Fidler.

WEDNESDAY, FEBRUARY 12.

ROYAL SOCIETY OF ARTS, at 8.—The Application of Science to Foundry Work: R. Buchanan.

ROYAL SANITARY INSTITUTE, at 8.—Rivers Pollution, with Special Reference to the Board proposed by the Royal Commission: Sir William Ramsay, K.C.B., F.R.S.

THURSDAY, FEBRUARY 13.

ROYAL SOCIETY, at 4.30.—*Probable Papers*:—The Constitution of the Electric Spark: T. Royds.—On the Determination of Viscosity at High Temperatures: Dr. C. E. Fawcitt.—The Effect of Hydrogen on the Discharge of Negative Electricity from Hot Platinum: Prof. H. A. Wilson, F.R.S.—The Decomposition of Ozone by Heat: E. P. Perman and R. H. Greaves.

ROYAL SOCIETY OF ARTS, at 4.30.—The New Imperial Gazetteer of India: R. Burn.

MATHEMATICAL SOCIETY, at 5.30.—Proof that every Algebraic Equation has a Root: Dr. H. A. de S. Pittard.—On the Uniform Approach of a Continuous Function to its Limit: Dr. W. H. Young.—Note on q -differences: Rev. F. H. Jackson.

FRIDAY, FEBRUARY 14.

ROYAL INSTITUTION, at 9.—Biology and History: Dr. C. W. Saleeby.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Anniversary Meeting.

PHYSICAL SOCIETY, at 8

MALACOLOGICAL SOCIETY, at 8.—Annual Meeting.—President's Address: Malacology versus Palæoconchology: B. B. Woodward.

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