methyl-propyl-ketone, by M. C. **Marie.** The phosphorus compounds described were obtained by heating together hypophosphorous acid and various ketones.—On the results obtained in the distillery by the application of yeasts acclimatised to the volatile toxic principles present in the molasses from beetroot, by M. Henri **Alliot.** Satisfactory results have been obtained in practice by the use of acclimatised yeasts, the alcoholic fermentation taking place in a liquid not only containing substances detrimental to yeasts, but also contaminated with foreign bacteria.—Experimental researches on epithelial hyperplasia and on the transformation of epithelium into conjunctive tissue, by M. Ed. **Retterer.** The irritation which produces on the epidermis the loosening of the skin gives rise to evolutive phenomena which recall very nearly those of cartilage in the course of ossification. The cells proliferate and give rise to new cells, which are transformed into reticular and vascular conjunctive tissue.—The series of the genus Absidia, by M. Paul **Vuillemin.**—On the interpretation of the arrangement of the bundles in the petiole and leaf veins of the dicotyledons, by M. **Col.**—Eruptions of the secondary period in the Island of Crete, by M. L. **Cayeux.** The eruptive rocks in Crete form a part of the strata which have been identified with the Upper Jurassic. The eruptive rocks have metamorphosed the upper strata in which they are included, and leave absolutely untouched the more recent strata.—The lower Devonian in the region of Kosva (Northern Ural), by MM. L. **Duparc,** L. **Mrazec** and F. **Pearce.**—On the faults at Poitou, between Parthenay, Niort and Poitiers, by M. Jules **Welsch.**

DIARY OF SOCIETIES.

THURSDAY, MARCH 5.

ROYAL SOCIETY, at 4.30.—The Resistance of the Ions and the Mechanical Friction of the Solvent: Prof. F. Kohlrausch, For. Mem. R.S.—The Electrical Conductivity of Solutions at the Freezing Point of Water: W. C. D. Whetham, F.R.S.—A Note on a Form of Magnetic Detector for Hertzian Waves adapted for Quantitative Work: Prof. J. A. Fleming, F.R.S.—On the Laws Governing Electric Discharges in Gases at Low Pressures. Communicated by Prof. J. J. Thomson. F.R.S.: W. R. Carr.—The Differential Invariants of a Surface, and their Geometric Significance: Prof. A. R. Forsyth, F.R.S.

ROYAL INSTITUTION, at 5.—Insect Contrivances: Prof. L. C. Miall, F.R.S.

SOCIETY OF PUBLIC ANALYSTS, at 8.

CHEMICAL SOCIETY, at 8.—The Mechanism of the Reduction of Potassium Bichromate by Sulphurous Acid: H. Bassett.—The Constitution of Pilocarpine. Part IV.: H. A. D. Jowett.—Preparation and Properties of 1:4 (or 1:5)-Dimethyl Glyoxaline and 1:3-Dimethyl Pyrazole: H. A. D. Jowett and C. E. Potter.—Some Analyses of "Reh," or the Alkaline Salts in Indian Usar Land: E. G. Hill.—Experiments on the Synthesis of Camphoric Acid. Part III. Synthesis of Isolauronolic Acid: W. H. Perkin, Jun., and J. F. Thorpe.—Camphor-β-thiol: T. M. Lowry and G. C. Donington.—Isomeric Change of Dibenzanilide into Benzoyl-*o*-amino- and Benzoyl-*p*-amino-benzophenone: F. D. Chattaway.—The Rate of Decomposition of Diazo-compounds. Part III. The Temperature Coefficient: J. C. Cain and F. Nicoll.

LINNEAN SOCIETY, at 8.—On some Points in the Visceral Anatomy of the Characinidæ: W. S. Rowntree.—On the Anatomy of the Pig-footed Bandicoot *Chaeropus castanotis*: F. G. Parsons.—Further Notes on Lemurs: Dr. Elliot Smith.

RÖNTGEN SOCIETY, at 8.30.—Spark Phenomena: F. H. Glew.

FRIDAY, MARCH 6.

ROYAL INSTITUTION, at 9.—Studies in Experimental Phonetics; Prof. J. G. McKendrick, F.R.S.

GEOLOGISTS' ASSOCIATION, at 8.—The Pliocene Bone Bed of Concud, Teruel, Spain: Dr. A. Smith Woodward, F.R.S.—On the Zones of the Upper Chalk in Suffolk: A. J. Jukes-Browne.

SATURDAY, MARCH 7.

ROYAL INSTITUTION, at 3.—Light: Its Origin and Nature: Lord Rayleigh.

MONDAY, MARCH 9.

SOCIETY OF ARTS, at 8.—Hertzian Wave Telegraphy in Theory and Practice: Prof. J. A. Fleming, F.R.S.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—A Buried Landscape in the English Midlands: Prof. W. W. Watts.

TUESDAY, MARCH 10.

ROYAL INSTITUTION, at 5.—Recent Advances in Photographic Science: Sir William Abney, K.C.B.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Recent Irrigation in the Punjab: S. Preston.—The Irrigation Weir across the Bhadar River, Kathiawar: J. J. B. Benson.

WEDNESDAY, MARCH 11.

SOCIETY OF ARTS, at 8.—Existing Laws, By-Laws and Regulations relating to Protection from Fire, with Criticisms and Suggestions: T. Brice Phillips.

GEOLOGICAL SOCIETY, at 8.—Petrological Notes on Rocks from Southern Abyssinia collected by Dr. R. Koettlitz: Dr. Catherine A. Raisin.—The Overthrust Torridonian Rocks of the Isle of Rum and the Associated Gneisses: Alfred Harker, F.R.S.

THURSDAY, MARCH 12.

ROYAL SOCIETY, at 4.30.—*Probable Papers*:—On the Histology of *Uredo dispersa*, Erikks., and the "*Mycoplasm*" Hypothesis: Prof. Marshall Ward, F.R.S.—A Study of a Unicellular Green Alga, occurring in Polluted Water, with Especial Reference to its Nitrogenous Metabolism: Miss H. Chick.—A Comparative Study of the Grey and White Matter of the Motor Cell Groups and of the Spinal Accessory Nerve in the Spinal Cord of the Porpoise (*Phocaena communis*): Dr. D. Hepburn and Dr. D. Waterston.—The Oestrous Cycle and the Formation of the Corpus Luteum in the Sheep: F. H. A. Marshall.—On the Culture of the Nitroso-bacterium: H. S. Fremlin.—Upon the Immunising Effects of the Intracellular Contents of the Typhoid Bacillus as Obtained by the Disintegration of the Organism at the Temperature of Liquid Air: Dr. A. Macfadyen.

ROYAL INSTITUTION, at 5.—Insect Contrivances: Prof. L. C. Miall, F.R.S.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Distribution Losses in Electric Supply Systems: A. D. Constable and E. Fawssett.—A Study of the Phenomenon of Resonance in Electric Circuits by the Aid of Oscillograms (abstract): M. B. Field.

SOCIETY OF ARTS, at 4.30.—The Currency Policy of India: J. Barr Robertson.

MATHEMATICAL SOCIETY, at 5.30.—On the Convergence of Certain Multiple Series: G. H. Hardy.—On the Representation of a Group of Finite Order as an Irreducible Group of Linear Substitutions and the Direct Establishment of the Relations between the Group-Characteristics: Prof. W. Burnside.—Approximate Calculation of the Periods of Vibration of a Circular Plate: Prof. H. Lamb.—Mathematical Notes: Dr. H. F. Baker.

FRIDAY, MARCH 13.

ROYAL INSTITUTION, at 9.—Character Reading from External Signs; Prof. Karl Pearson, F.R.S.

PHYSICAL SOCIETY, at 5.—On the Interpretation of Milne Seismograms: Dr. Farr.—A Potentiometer for Thermocouple Measurements: Dr. R. A. Lehfeldt.—A Direct-Reading Potentiometer for Thermoelectric Work: Dr. J. A. Harker.—The Measurement of Small Resistances: A. Campbell.—A Resistance Comparator: Dr. R. A. Lehfeldt.

MALACOLOGICAL SOCIETY, at 8.—Further Description of the Animal of *Damayantia carinata*, Collinge: Lieut.-Col. H. H. Godwin-Austen, F.R.S.—Note on the Generic Name Buliminus: B. B. Woodward.—Notes on Pleistocene Non-marine Mollusca from Portland Bill; and on Holocene Non-marine Mollusca from Wilts, Dorset Canbridgeshire and Folkestone: R. Ashington Bullen.—On the Occurrence of *Neritina Grateloupiana*, Fér., in the Pleistocene at Swanscomb: A. S. Kennard and B. B. Woodward.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Reconstruction of Midland Railway Bridge No. 27, over the the River Trent: A. R. Langton.

SATURDAY, MARCH 14.

ROYAL INSTITUTION, at 3.—Light: Its Origin and Nature: Lord Rayleigh.

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