

sodditè is proposed for the mineral.—J. Thoulet: Deep submarine volcanic eruptions. Evidence of submarine eruptions furnished by deep-sea soundings near the Canaries and the Azores.—R. Souèges: The embryogeny of the Rosaceæ. The first stages of the development of the embryo in *Geum urbanum*.—M. and Mme. F. Moreau: Mycelium with protuberances found in the Ascomycètes.—J. Stoklasa: The influence of selenium and of radium on the germination of seeds. Both sodium selenate and selenite exert a toxic action on the development of seeds, the latter possessing the most marked effect. This toxic effect is partially neutralised if radioactive substances are present at the same time.—R. Argaud: The intranucleolar presence of the centrosome.—A. Lumière and J. Chevrotier: Antityphoid vaccination by scarification. As an alternative to vaccination by the mouth, which as yet has not been fully accepted, trials have been made of a process of immunisation by scarification. This method is free from the troublesome reactions caused by direct injection, but the immunity conferred is not quite complete.—MM. Cohendy and E. Wollman: Some results obtained by the method of growth under aseptic conditions. Experimental scurvy. Infection of the aseptic guinea-pig by cholera.—L. Corbière and A. Chevalier: The origin of *Spartina Townsendi* and its rôle in the fixation of marine mud.

## Diary of Societies.

### FRIDAY, MAY 12.

ROYAL ASTRONOMICAL SOCIETY, at 5.—J. Halm: A Method of determining Photographic Star Magnitudes without the Use of Screens or Gratings.—J. Halm: The Rotation of the Sun's Reversing Layer.—J. Evershed: Widened Lines in the Spectrum of Sirius.—A. Stanley Williams: Two Variable Stars in Gemini.—A. Stanley Williams: A Probably Variable Star in Gemini.—A. Stanley Williams: The Tawny Hue of Jupiter's Equatorial Belt.—A. N. Brown: Observations of RT Cygni (Ch. 7085) in 1917–22.—W. H. Steavenson: Observations of Nova Persei (1901) in 1921–22.

PHYSICAL SOCIETY OF LONDON (at Imperial College of Science and Technology), at 5.—S. O. Pearson and H. St. G. Anson: Demonstration of Some Electrical Properties of Neon-filled Lamps.—Dr. A. Griffiths and W. T. Heys: A New Apparatus for the Measurement of the Polarisation Capacity of Platinum Plates in Sulphuric Acid.—Dr. H. Chatley: The Molecular Forces involved in Cohesion.

ROYAL SOCIETY OF MEDICINE (Clinical Section), at 5.30.—Annual General Meeting.

JUNIOR INSTITUTION OF ENGINEERS (at Institution of Mechanical Engineers), at 7.30.—L. A. Legros: Tanks and Chain Track Artillery.

MALACOLOGICAL SOCIETY OF LONDON (at Linnean Society).

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Dr. H. H. Dale: The Search for Specific Remedies.

### SATURDAY, MAY 13.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. O. W. Richardson: The Disappearing Gap between the X-ray and Ultra-violet Spectra. I. Grating Results.

### MONDAY, MAY 15.

ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge, Kensington Gore), at 5.—E. A. Reeves: The Evidence of a True North and South Directive Force in the Atmosphere.

ARISTOTELIAN SOCIETY (at University of London Club, 21 Gower Street, W.C.1), at 8.—Prof. T. P. Nunn, and others: Discussion on Prof. Whitehead's "Enquiry" and "Concept of Nature."

ROYAL SOCIETY OF ARTS, at 8.—F. T. Renwick: Modern Aspects of Photography (3) (Cobb Lectures).

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—J. A. Gotch: The First Half-century of the R.I.B.A.

### TUESDAY, MAY 16.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. W. Bulloch: Tyndall's Biological Researches and the Foundations of Bacteriology (Tyndall Lectures) (1).

ROYAL SOCIETY OF MEDICINE (General Meeting of Fellows), at 5.

ROYAL STATISTICAL SOCIETY, at 5.15.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—J. F. Shepherd: Natural Colour Photography.

### WEDNESDAY, MAY 17.

ROYAL METEOROLOGICAL SOCIETY, at 5.—Dr. A. E. M. Geddes: Weather and the Crop-Yield in the North-East Counties of Scotland, followed by a general discussion on R. H. Hooker's Presidential Address, The Weather and the Crops in Eastern England, 1885–1921.—Dr. H. P. Warren: A New Form of Direct-reading Barometer.

ROYAL SOCIETY OF MEDICINE (Surgery Section), at 5.30.—Annual General Meeting.

ROYAL MICROSCOPICAL SOCIETY, at 8.—Annual Exhibition of Microscopic Pond Life.

### THURSDAY, MAY 18.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. F. Keeble: Plant Sensitiveness (II), To Contact and to Chemical Stimulation.

ROYAL SOCIETY, at 4.30.—*Probable Papers*.—Prof. T. B. Wood and Dr. J. W. Capstick: The Progress of Metabolism after Food in Swine.—C. G. Lamb: The Geometry of Insect Pairing.—G. E. Briggs: Experimental Researches on Vegetable Assimilation and Respiration. XV. The Development of Photosynthetic Activity during Germination of Different Types of Seeds.—G. E. Briggs: Experimental Researches on Vegetable Assimilation and Respiration. XVI. The Characteristics of Sub-normal Photosynthetic Activity resulting from Deficiency of Nutrient Salts.—J. A. Gardner and F. W. Fox: The Origin and Destiny of Cholesterol in the Animal Organism. Part 13. The Autolysis of Liver and Spleen.

ROYAL SOCIETY OF MEDICINE (Dermatology Section), at 5.—Annual General Meeting.

INSTITUTION OF MINING AND METALLURGY (at Geological Society), at 5.30.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Sir Ernest Rutherford: Electricity and Matter (Kelvin Lecture).

INSTITUTION OF AUTOMOBILE ENGINEERS (London Graduates' Meeting), at 8.—P. H. Hardy and L. B. Harris: Electrical Equipment.

CHEMICAL SOCIETY, at 8, followed by an Informal Meeting.

### FRIDAY, MAY 19.

ASSOCIATION OF ECONOMIC BIOLOGISTS (in Botanical Lecture Theatre, Imperial College of Science and Technology), at 2.30.—W. Rushton: Further Contributions to the Biology of Freshwater Fishes.—Prof. J. H. Priestley: Toxic Action of Illuminating Gas on Plants (with Demonstration).

ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), at 5.—Annual General Meeting.

INSTITUTION OF ELECTRICAL ENGINEERS (London Students' Section) (Annual General Meeting), at 7.—A. H. Reeves: The Elimination of Atmospherics in Radio-telegraphy.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Sir William Bragg: The Structure of Organic Crystals.

### SATURDAY, MAY 20.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. O. W. Richardson: The Disappearing Gap between the X-ray and Ultra-violet Spectra. II. Photo-electric Methods.

### PUBLIC LECTURES.

(A number in brackets indicates the number of a lecture in a series.)

### FRIDAY, MAY 12.

LONDON SCHOOL OF ECONOMICS, at 5.—Dr. P. Giles: Modern Views of Indo-European Origins (1).

UNIVERSITY COLLEGE, at 5.15.—A. E. M. van der Meersch: Simplified Solutions for B.M. and S.F. Values for Rolling Loads (1);—at 5.30.—Prof. W. R. Shepherd: The Expansion of European Civilisation (2).

BIRKBECK COLLEGE, at 6.—Dr. E. J. Russell: Recent Work with regard to the Influence of Soil Conditions on Agriculture (1).

GRESHAM COLLEGE, at 6.—A. R. Hinks: Astronomy (4) (Gresham Lectures).

### TUESDAY, MAY 16.

UNIVERSITY COLLEGE, at 5.—Sir Arthur Shipley: Insects and Disease (3).

KING'S COLLEGE, at 5.30.—Prof. H. Wildon Carr: The Principle and Method of Hegel (3): The Philosophical Sciences.

GRESHAM COLLEGE, at 6.—Sir Robert Armstrong-Jones: Physic (1) (Gresham Lectures).

### WEDNESDAY, MAY 17.

SCHOOL OF ORIENTAL STUDIES, at 5.—Dr. R. A. Nicholson: The Idea of Personality in Sufism (1).

UNIVERSITY COLLEGE, at 5.15.—Dr. D. H. Scott: The Early History of the Land Flora (4).

KING'S COLLEGE, at 5.—Dr. A. Harker: Tertiary Igneous Action in Britain (1);—at 5.30.—Prof. J. F. Van Bemmelen: The Morphological Character of the Skin Pattern in Insects and Mammals.

GRESHAM COLLEGE, at 6.—Sir Robert Armstrong-Jones: Physic (2) (Gresham Lectures).

### THURSDAY, MAY 18.

UNIVERSITY COLLEGE, at 2.30.—Prof. W. M. Flinders Petrie: Recent Discoveries in Egypt (1);—at 5.15.—Sir Joseph J. Thomson: Atoms, Molecules, and Chemistry (3).

ST. MARY'S HOSPITAL (Institute of Pathology and Research), at 5.—Major-Genl. Sir W. B. Leishman: Enteric Fevers in the War.

GRESHAM COLLEGE, at 6.—Sir Robert Armstrong-Jones: Physic (3) (Gresham Lectures).

### FRIDAY, MAY 19.

LONDON SCHOOL OF ECONOMICS, at 5.—Dr. P. Giles: Modern Views of Indo-European Origins (2).

UNIVERSITY COLLEGE, at 5.15.—A. E. M. van der Meersch: Simplified Solutions for B.M. and S.F. Values for Rolling Loads (2);—at 5.30.—Prof. W. R. Shepherd: The Expansion of European Civilisation (3).

BIRKBECK COLLEGE, at 6.—Dr. E. J. Russell: Recent Work with regard to the Influence of Soil Conditions on Agriculture (2).

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