

Department of the Interior: United States Geological Survey. Forty-third Annual Report of the Director of the United States Geological Survey to the Secretary of the Interior for the Fiscal Year ended June 30, 1922. Pp. ii+80. (Washington: Government Printing Office.)

Proceedings of the University of Durham Philosophical Society. Vol. 6, Part 4, 1922-1923. (John Theodore Merz Memorial Number.) Pp. 215-290. (Newcastle-on-Tyne.) 2s. 6d.

Carnegie Institution of Washington. Annual Report of the Director of the Department of Botanical Research. (Extracted from Year Book No. 21 for the Year 1922.) Pp. 47-76. (Washington.)

Report of the Director of the Observatory to the Marine Committee, and Meteorological Results deduced from the Observations taken at the Liverpool Observatory, Bidston, Birkenhead, in the Years 1920-21. (Published by order of the Mersey Docks and Harbour Board.) Pp. 75. (Bidston.)

## Diary of Societies.

### SATURDAY, MARCH 10.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Atomic Projectiles and their Properties (4).

GILBERT WHITE FELLOWSHIP (at 6 Queen Square, W.C.1), at 3.—Conversazione.

### MONDAY, MARCH 12.

VICTORIA INSTITUTE (at 1 Central Buildings, Westminster), at 4.30.—Rev. Prof. A. S. Geden: Value and Purpose of the Study of Comparative Religion.

ROYAL SOCIETY OF MEDICINE (War Section), at 5.—Col. J. F. C. Fuller: Problems of Future Warfare; to be followed by a discussion on The Medical Problems of Future Warfare.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Man's Posture: its Evolution and Disorders (4) (Hunterian Lectures).

ROYAL SOCIETY OF ARTS, at 8.—J. E. Sears, jun.: Accurate Length Measurement (2) (Cantor Lectures).

SURVEYORS' INSTITUTION, at 8.—C. G. Eve: The Re-valuation for Landlord's Property Tax, Schedule A.

ROYAL GEOGRAPHICAL SOCIETY (at Aeolian Hall), at 8.30.—O. G. S. Crawford: Air Survey and British Archaeology.

### TUESDAY, MARCH 13.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. C. G. Seligman: Rainmakers and Divine Kings of the Nile Valley (1).

ROYAL SOCIETY OF MEDICINE (Therapeutics and Pharmacology Section), at 4.30.—Prof. F. R. Fraser, Dr. A. N. Drury, Dr. A. E. Clark-Kennedy, and Dr. T. F. Cotton: Discussion on the Action of Quinidine in Cases of Cardiac Disease.

ROYAL SOCIETY OF MEDICINE (General Meeting), at 5.—J. E. Adams: The Urgent Need for Education in the Control of Cancer, to be followed by a discussion by Dr. C. P. Childe, Lord Dawson, Dr. H. Spencer, and others.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. G. Evans: The Nature of Arterio-sclerosis (3) (Goulstonian Lectures).

INSTITUTION OF PETROLEUM TECHNOLOGISTS (Annual General Meeting) (at Royal Society of Arts), at 5.30.—Prof. J. S. S. Brame: Presidential Address.

MINERALOGICAL SOCIETY (at Geological Society of London), at 5.30.—A. Hutchinson: A Graphical Method of correcting Specific Gravity Determinations.—C. E. Tilley: Genesis of Rhombic Pyroxene in Thermal Metamorphism. Mineral Associations and the Phase Rule.—C. S. Garnett: A Peculiar Chlorite-rock from Ible, Derbyshire. The Dissociation of Dolomite.—A. Brammall and H. F. Harwood: The Dartmoor Granite: (a) Porphyritic Felspars, and Biotite; (b) Andalusite, Sillimanite, Cordierite, and Spinellids.—J. G. C. Leech: Some Occurrences of Titanium Minerals on St. Austell Moor.

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 6.—H. Gordon: The Effect of Schooling on Intelligence Tests.

INSTITUTE OF MARINE ENGINEERS, INC., at 6.30.—W. A. Dexter: The Development of the Air Pump for High Vacuum.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Annual General Meeting.

QUEKETT MICROSCOPICAL CLUB, at 7.30.—C. H. Cuffyn: Rocks under the Microscope.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—Miss M. Edith Durham: "Bird-men" and related Customs in the Balkans.

SOCIOLOGICAL SOCIETY (at Leplay House, 65 Belgrave Road), at 8.15.—J. A. Hobson: Bias in the Social Sciences.

ROYAL SOCIETY OF MEDICINE (Psychiatry Section), at 8.30.—Dr. C. S. Myers: The Association of Psychoneuroses with Mental Deficiency.—Dr. H. J. Norman: Genius and Insanity.

### WEDNESDAY, MARCH 14.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Man's Posture: its Evolution and Disorders (5) (Hunterian Lectures).

GEOLOGICAL SOCIETY OF LONDON, at 5.30.

FELLOWSHIP OF MEDICINE (at Royal Society of Medicine), at 5.30.—A. J. Walton: The Differential Diagnosis of Surgical Dyspepsias.

INSTITUTION OF AUTOMOBILE ENGINEERS, at 7.45.—Major T. G. Tulloch: Multiple-wheel and Track Motor Vehicles.

ROYAL SOCIETY OF ARTS, at 8.—Sir William Warrender Mackenzie: Industrial Arbitration.

### THURSDAY, MARCH 15.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Lt.-Col. E. A. Strange: Japanese and Chinese Lacquer (1).

ROYAL SOCIETY, at 4.30.—G. C. Steward: Aberration Diffraction Effects.—Lord Rayleigh: Further Observations on the Spectrum of the Night

Sky.—Lord Rayleigh: Studies of Iridescent Colour, and the Structure producing it. IV. Iridescent Beetles.—Prof. J. W. Nicholson: Oblat Spheroidal Harmonics and their Applications.—Prof. J. W. Nicholson and Prof. F. J. Cheshire: The Theory and Testing of Right-angled Prisms.—Prof. J. C. McLennan and D. S. Ainslie: The Fluorescence and Channelled Absorption Spectra of Caesium and other Alkali Elements.—Dr. W. Stiles: The Indicator Method for the Determination of Coefficients of Diffusion in Gels, with special reference to the Diffusion of Chlorides.—H. T. Flint: A Generalised Vector Analysis of Four Dimensions.

LINNEAN SOCIETY OF LONDON, at 5.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. A. J. Hall: Encephalitis Lethargica (Epidemic Encephalitis) (1) (Lumleian Lectures).

ROYAL SOCIETY OF MEDICINE (Dermatology Section), at 5.

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—Prof. B. Melvill Jones: The Control of Aeroplanes at Slow Speeds.

INSTITUTION OF MINING AND METALLURGY (at Geological Society of London), at 5.30.—Annual Meeting.

CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Sir Richard Child: The Position and Character of Science in Schools.

INSTITUTION OF ELECTRICAL ENGINEERS AND ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 6.—F. Hooper and J. W. Beauchamp: Co-operation between the Architect and the Electrical Engineer.

CHEMICAL SOCIETY, at 8.—E. H. Usherwood and M. A. Whiteley: The Oxime of Mesoxamide (Isocitronomalomamide) and some Allied Compounds. Part III. Ring Formation in the Tetra-substituted Series.—H. H. Morgan: The Preparation and Stability of Cuprous Nitrate and other Cuprous Salts in the presence of Nitriles.—F. Challenger, A. L. Smith, and F. J. Paton: The Interaction of Hydrogen Sulphide, Thiocyanogen, and Thiocyanic Acid with Unsaturated Compounds.—Prof. T. M. Lowry: The Polarity of Double Bonds.

INSTITUTE OF METALS (London Local Section) (at Institute of Marine Engineers, Inc.), at 8.—W. B. Clarke and others: Discussion on The Heat Treatment of Non-Ferrous Metals.

CAMERA CLUB, at 8.15.—C. P. Crowthier: The Man behind the Camera.

### FRIDAY, MARCH 16.

ROYAL SOCIETY OF ARTS (Dominions and Colonies and Indian Sections), at 4.30.—Lt.-Col. Sir Leonard Rogers: Recent Advances towards the Solution of the Leprosy Problem.

ROYAL SOCIETY OF MEDICINE (Otology Section), at 5.—Dr. F. M. R. Walshe: The Symptomatology of Eighth Nerve Tumours.—W. Trotter: The Surgical Treatment of Tumours of the Eighth Nerve.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Man's Posture: its Evolution and Disorders (6) (Hunterian Lectures).

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Second Report of the Steam-Nozzles Research Committee.

RADIO SOCIETY OF GREAT BRITAIN (at Institution of Electrical Engineers), at 6.30.—L. F. Fogarty: Accumulators, Dry Cells, and the Currents used in the Reception of Radio Telegraphy, illustrated by Experiments.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—C. H. Woodfield: Comparative Power Costs.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group Meeting, in conjunction with the Affiliation of Photographic Societies), at 8.—R. H. Lawton: A Criticism of the Prints in the Affiliation Print Competition.

ROYAL SOCIETY OF MEDICINE (Electro-therapeutics Section), at 8.30.—Prof. Gosta Forsell: Some Observations on Movements of Gastro-intestinal Mucosa.

### SATURDAY, MARCH 17.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Atomic Projectiles and their Properties (5).

## PUBLIC LECTURES.

### SATURDAY, MARCH 10.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—H. N. Milligan: The Great Sea-serpent.

### MONDAY, MARCH 12.

INNER TEMPLE HALL, at 8.—Dr. C. Porter: The Principles and Practice of Sanitary Legislation (Chadwick Lecture).

### TUESDAY, MARCH 13.

LONDON SCHOOL OF ECONOMICS, at 5.—Sir Henry Reid: Food Supplies (Statistics, before, during, and after the War) (4).

UNIVERSITY COLLEGE, at 5.15.—Prof. E. T. Whittaker: Electric Fields in Atomic Physics (succeeding Lectures on March 15, 20, and 22).

### WEDNESDAY, MARCH 14.

KING'S COLLEGE, at 5.30.—Sir Richard Gregory: The Influence of Science.

### THURSDAY, MARCH 15.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 5.—H. S. Goodhart-Rendel: Architecture—a Necessity or a Luxury?

CENTRAL LIBRARY (Fulham Road), at 8.—A. H. Page: Architectural and Record Photography.

### FRIDAY, MARCH 16.

UNIVERSITY COLLEGE, at 5.30.—Sir Gregory Foster: Lectures—their Use and Abuse.

CHELSEA POLYTECHNIC, at 8.15.—Prof. A. C. Seward: A Summer in Greenland.

### SATURDAY, MARCH 17.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Dr. A. Abram: Travelling in the Middle Ages.