

### Official Publications Received.

Madras Fisheries Department. A Statistical Study of Young Fishes from Sivaivattural Lagoon, Tuticorin. By Dr. R. H. Whitehouse. (Report No. 3 of 1923, Madras Fisheries Bulletin, Vol. 17.) Pp. 49-103. 1.4 rupees. The Anatomy of the Shank (*Turbinella pyrum*). By S. T. Moses. (Report No. 4 of 1923, Madras Fisheries Bulletin, Vol. 17.) Pp. 105-107. 5 annas. (Madras: Government Press.)

Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards. No. 478: Redetermination of Secondary Standards of Wave Length from the new International Iron Arc. By W. F. Meggers, C. C. Kiess, and Kevin Burns. Pp. 263-272. No. 479: Interferometer Measurements of the Longer Waves in the Iron Arc Spectrum. By W. F. Meggers and C. C. Kiess. Pp. 273-280. (Washington: Government Printing Office.) 5 cents each.

University Grants Committee. Returns from Universities and University Colleges in Receipt of Treasury Grant, 1922-23. Pp. 22. (London: H.M. Stationery Office.) 3s. 6d. net.

Journal of the Chemical Society. Supplementary Number, containing Title-pages, Contents, and Indexes, 1923, Vols. 123 and 124 (Parts 1 and 2). Pp. 3443-3519+xxxi+ii. 393-ii.1312+20. (London: Gurney and Jackson.)

Department of Scientific and Industrial Research: Advisory Council. Third and Final Report of the Mine Rescue Apparatus Research Committee. Pp. vi+32. (London: H.M. Stationery Office.) 1s. net.

Memoirs and Proceedings of the Manchester Literary and Philosophical Society, 1922-23. Vol. 67, Part 2. Pp. 73-139+xliiv+viii. (Manchester: 36 George Street.) 12s.

Agricultural Progress: the Journal of the Agricultural Education Association. Pp. 118. (London: Ernest Benn, Ltd.) 5s. net.

International Air Congress, London, 1923: Report. Edited for the Committee by Lieut.-Col. W. Lockwood Marsh. Pp. 981. (London: Royal Aeronautical Society.)

*Errata.*—The publisher of the last four volumes in the list of "Official Publications Received" in the issue for March 1 should have been given as the Carnegie Institution of Washington, and not the Smithsonian Institution.

### Diary of Societies.

#### SATURDAY, MARCH 15.

BRITISH MYCOLOGICAL SOCIETY (in Botany Lecture Theatre, University College), at 11 A.M.—Miss M. Brett: Conditions of Sclerotia Formation in a Species of *Aspergillus*.—A. D. Cotton: Some Results of the Ministry of Agriculture's Plant Disease Survey.—Dr. J. Peko: The Work of *Kruis* and *Satava* on Normal and Reduced Forms of Yeast and Alternation of Generations.—Miss E. J. Welsford: Diseases of Clove.

GEOLOGISTS' ASSOCIATION (at Geology Department, King's College), at 2.30.—Prof. W. T. Gordon, assisted by A. K. Wells, S. W. Woodriddle, and A. J. Bull: Demonstrations on Minerals, Rocks and Fossils, including the Rocks collected on the Arran Excursion.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Properties of Gases in High and Low Vacua (2).

#### MONDAY, MARCH 17.

ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge), at 5.—Col. H. St. J. L. Winterbotham and others: Discussion on the Choice of a Grid for British Maps.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—L. Gaster, J. S. Dow, and others: Discussion on Illuminating Engineering: its Application and Value to the Electrical Industry.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—H. Bagenal: Planning for Musical Requirements.

ARISTOTELIAN SOCIETY (at University of London Club), at 8.—Dr. C. Pellizzi: The Problem of Religion for the Italian Idealists.

#### TUESDAY, MARCH 18.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Lt.-Col. G. Liston: The Plague (Milroy Lectures) (3).

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Dr. R. W. Chambers: Civilisation and Literature of the Anglo-Saxon Period (2).

ROYAL STATISTICAL SOCIETY, at 5.15.—A. W. Flux: The Census of Production.

MINERALOGICAL SOCIETY, at 5.30.—Dr. L. J. Spencer: Allopalladium from British Guiana.—W. Campbell Smith: A Serpentine-like Mineral from Burgenland, Austria.—H. C. G. Vincent: Chemical Analyses of Granite from Dufton, Westmorland, and of Mica from Burma.

ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—The Secretary: Report on the Additions made to the Society's Menagerie during the month of February 1924.—G. Summers: Exhibition of Cinematograph Films of Animal Life in Spitsbergen.—Dr. L. Hill: The Atmospheric Conditions at the Zoological Gardens, London.—W. J. Philipps: A New Genus of Ribbon-Fishes.—B. N. Schwanwitsch: The Ground-Plan of Wing Pattern in Nymphalids and certain other Families of the Rhopalocerous Lepidoptera.—Dr. F. Wood Jones: The Status of the Kangaroo Island Kangaroo (*Macropus fuliginosus*).

INSTITUTION OF CIVIL ENGINEERS, at 6.—D. H. Remfry: The Interaction in Bridgework of the Deck System on the Main Girders, and the Consequent Modification of Stresses therein.—Prof. C. E. Inglis: Theory of Transverse Oscillations in Girders and its Relation to Live-load and Impact Allowances.

INSTITUTE OF MARINE ENGINEERS, INC., at 6.30.—G. W. Johnson: The Development of the Marine Steam Turbine.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—J. C. Dollman: The Appreciation of the Beautiful.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—Prof. F. G. Parsons: A Comparison of Cranial Contours.

#### WEDNESDAY, MARCH 19.

INSTITUTION OF CIVIL ENGINEERS (Students' Meeting), at 6.—A. J. Hill: The Work of a Mechanical Engineer's Office (Lecture).

ROYAL METEOROLOGICAL SOCIETY, at 7.30.—Prof. V. H. Blackman: Atmospheric Electric Currents, Normal and Abnormal, and their Relation to the Growth of Plants (Lecture).

ROYAL MICROSCOPICAL SOCIETY, at 7.45.—Prof. W. T. Gordon: Fossil Plants.

C.B.C. SOCIETY FOR CONSTRUCTIVE BIRTH CONTROL AND RACIAL PROGRESS (at Essex Hall, Strand), at 8.—Miss Evelyn Fox: Practical Aspects of the Association's Work.

ROYAL SOCIETY OF ARTS, at 8.—R. L. Robinson: The Forests and Timber Supply of North America.

#### THURSDAY, MARCH 20.

PHYSICAL SOCIETY OF LONDON (Jubilee Celebrations) (at Institution of Electrical Engineers), at 3.45.—Le Duc de Broglie: The Photo-electric Effect in the Case of High-frequency Radiation, and some Associated Phenomena (Ninth Guthrie Lecture).

ROYAL SOCIETY, at 4.30.—Sir Charles Sherrington and E. G. T. Liddell: Reflexes in Response to Stretch. (Myotatic Reflexes).—R. Campbell Thompson: The Plants of the Assyrian Medical Tablets.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. D. S. M. Watson: Evolution To-day (1).

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—W. S. Farren: The Work of the Aeronautical Research Committee's Panel on Scale Effect.

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

CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—E. Cammaerts: Education in England and Belgium compared.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Sir Richard Paget, Bart.: The Nature and Reproduction of Speech Sounds (Vowels) (Lecture).

INSTITUTION OF AUTOMOBILE ENGINEERS (London Graduates' Meeting) (at Watergate House, Adelphi), at 7.30.—H. E. Merritt: Brake Shoe Design.

INSTITUTE OF METALS (London Local Section) (at Institute of Marine Engineers, Inc.), at 8.—Open Discussion.

CHEMICAL SOCIETY, at 8.—P. C. Austin and V. A. Carpenter: Rotatory Dispersion of Derivatives of Tartaric Acid. Part I. Methylene Derivatives.—Prof. T. M. Lowry and J. O. Cutter: The Rotatory Dispersive Power of Organic Compounds. Part XV. The Molecular Weight of Ethyl Tartrate and the Origin of Anomalous Rotatory Dispersion in Tartaric Acid and its Derivatives.

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (Laboratory Meeting at the Royal Army Medical College, Grosvenor Road), at 8.15.—Demonstrations by Lieut.-Cols. S. P. James, W. P. Macarthur, H. Marrian Perry, Drs. J. G. Thomson, Broughton-Alcock, and C. M. Wenyon; I. M. Puri and L. G. Saunders.—Dr. A. Balfour: Cinematograph Film, illustrating the Etiology, Spread, and Prevention of Malaria.

#### FRIDAY, MARCH 21.

PHYSICAL SOCIETY OF LONDON (Jubilee Celebrations) (at Institution of Electrical Engineers), at 4.—Sir William Barrett, Prof. J. A. Fleming, Prof. C. V. Boys, Sir Richard Glazebrook.—At 6.—Sir Arthur Schuster, Sir Oliver Lodge, Prof. H. E. Armstrong, Dr. C. Chree.

ROYAL SOCIETY OF ARTS (Indian Section), at 4.30.—O. Rothfeld: Progress of Co-operative Banking in India.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—W. H. Patchell: Presidential Address.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—L. Richmond: My Experiences in Venice.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—P. Parrish: Sulphuric Acid Plants, New and Old; Constructional Details and Working.

ILLUMINATING ENGINEERING SOCIETY (at Royal Society of Arts), at 8.—G. P. Garbett and others: Discussion on The Use of Light for Outdoor Advertisements.—Miss M. Partridge and others: Discussion on The Use of Light in Shops, in Show-windows and for Display Purposes.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Sir Frederick Keeble: The Plant Commonwealth and its Government.

#### SATURDAY, MARCH 22.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Properties of Gases in High and Low Vacua (3).

#### PUBLIC LECTURES.

#### SATURDAY, MARCH 15.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—C. N. Bromehead: Links between Geology and Art.

#### WEDNESDAY, MARCH 19.

INSTITUTE OF HYGIENE (Devonshire Street), at 3.30.—Dr. Ethel Bentham: The Health of the Domestic Servant.

HOSPITAL FOR SICK CHILDREN (St. Ormond Street), at 5.—Prof. E. Gorter: The Pathogenesis of Certain Nutritional Disorders (in English).

UNIVERSITY COLLEGE, at 6.—Dr. P. Stocks: Influence of Social Status and Physical Development on the Characters of the Blood.

#### FRIDAY, MARCH 21.

BEDFORD COLLEGE FOR WOMEN, at 5.15.—Prof. J. S. Phillimore: The Prospect in the Humanities.

#### SATURDAY, MARCH 22.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—H. N. Milligan: The Natural History of Subterranean Animals.