

Official Publications Received.

Ministerio da Agricultura, Industria e Commercio. Anuario publicado pelo Observatorio Nacional do Rio de Janeiro, para o anno de 1923. (Anno 89.) Pp. xiv+462. (Rio de Janeiro: Imprensa Nacional.)

Ministerio da Agricultura, Industria e Commercio: Directoria de Meteorologia. Boletim Meteorologico: anno de 1911. Pp. v+94. Boletim Meteorologico: anno de 1917. Pp. 147. Boletim Meteorologico: anno de 1918. Pp. v+139. (Rio de Janeiro.)

The Carnegie Trust for the Universities of Scotland. Twenty-first Annual Report (for the Year 1921-22) submitted by the Executive Committee to the Trustees on 14th February 1923. Pp. iv+81. (Edinburgh.)

Report of the Secretary of the Smithsonian Institution for the Year ending June 30, 1922. (Publication 2709.) Pp. iii+125. (Washington: Government Printing Office.)

Věstník Královské České Společnosti Nauk. Třída Matematicko-Přirodovědecká. Ročník 1920. (Mémoires de la Société Royale des Sciences de Bohême. Classe des Sciences. Année 1920.) Pp. iv+17+20+21+11+20+6+43+93. (Prague: F. Rivišák.)

Imperial Department of Agriculture for the West Indies. Report on the Agricultural Department, St. Vincent, for the Year 1921. Pp. iv+44. (Trinidad.) 6d.

Diary of Societies.

SATURDAY, FEBRUARY 24.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Atomic Projectiles and their Properties (2).

BRITISH PSYCHOLOGICAL SOCIETY (at Bedford College), at 3.—Prof. T. H. Pear: An Examination of some Current Beliefs concerning Muscular Skill.—Miss M. MacFarlane: The Use of Mental Tests in American Schools and Clinics.

MONDAY, FEBRUARY 26.

VICTORIA INSTITUTE, at 4.30.—Dr. A. T. Schofield: The Voices behind Spiritism.

INSTITUTE OF ACTUARIES, at 5.—P. H. McCormack: Damaged Lives and Options.

FELLOWSHIP OF MEDICINE (at Royal Society of Medicine), at 5.30.—C. Rowntree: Cancer of the Breast.

INSTITUTION OF MECHANICAL ENGINEERS (London Graduates' Section), at 7.—Prof. E. G. Coker: Photo-Elastimetric Researches on Mechanical Engineering Problems.

ROYAL SOCIETY OF MEDICINE (Odontology Section), at 8.—Adjourned Discussion on: Dental Sepsis as an Œtiological Factor in Disease of other Organs.

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—Lt.-Col. T. T. Behrens: The Brenner Pass Boundary and Italy's New Province.

TUESDAY, FEBRUARY 27.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Arthur E. Shipley: Life and its Rhythms: (1) Life and its Attributes.

BRITISH SCIENCE GUILD (at Mansion House), at 3.30.—Sir Ronald Ross, Rt. Hon. Sir Joseph Cook, and others: The Importance of promoting Efficiency and Economy in Industry, Commerce and all Imperial Affairs by the Progressive Use of Science and Scientific Method.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. W. G. Savage: Canned Foods in Relation to Health (2).

INSTITUTE OF MARINE ENGINEERS, INC., at 6.30.—Eng.-Comdr. R. Beeman: Auxiliary Machinery.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—R. Chislett: Bird Life in the North Isles of Shetland.

CIRCLE OF SCIENTIFIC, TECHNICAL, AND TRADE JOURNALISTS (at Institute of Journalists).—J. L. Greaves: Paper: Some developments in its Manufacture.—Discussion on the Requirements of Art, Trade, Technical and other Journals.

WEDNESDAY, FEBRUARY 28.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—S. H. Warren: The Late Glacial Stage of the Lea Valley (Third Report). With a Report on the Arctic Flora by Mrs. Eleanor Mary Reid and Miss Marjorie Elizabeth Jane Chandler.—S. H. Warren, with Appendices by Dr. C. W. Andrews, Mrs. E. M. Reid, and Miss M. E. J. Chandler, A. S. Kennard, B. B. Woodward, and M. A. C. Hinton: The *Eleyhas-antiquus* Bed of Clacton-on-Sea (Essex), and its Flora and Fauna.

ROYAL MICROSCOPICAL SOCIETY (Industrial Applications of the Microscope Section), at 7.—Demonstrations and Exhibits.—C. Baker: The R.M.S. Microscope (New Model).—C. Beck: Mercury Globules under Polarised Light, with Special Reference to Dr. Owen's Communication read at the last Meeting.—A. Gallenkamp and Co., Ltd.: The Gallenkamp Electro-metric Titration Apparatus, an "End Point" Indicator for all Acid, Alkali and Oxidation Titrations.—Adam Hilger, Ltd.: Interference Accessory for testing the Stands and Fine Adjustments of the Microscopes.—Vertical Illuminator for the Microscopical Examination of Opaque Objects.—Ogilvy and Co.: Silverman Illuminator for Opaque Objects and Standard Illuminator, both showing Similar Specimens for Comparison of Image.—W. Watson and Sons, Ltd.: A Petrological Binocular Microscope for Glass Examination, illustrated by Lantern Slides.—H. J. Denham: Some Mounting Media for Microscopic Objects, especially for Cotton and other Hairs and Fibres, and for general Microscopical Work.—T. Terrell, junr.: The Use of the Microscope in the Gas Mantle Industry.

ROYAL SOCIETY OF ARTS, at 8.—Prof. W. E. S. Turner: Heat Resisting Glasses.

BRITISH PSYCHOLOGICAL SOCIETY (Medical Section) (at Medical Society of London), at 8.30.—Dr. J. A. Hadfield: Some Observations and Criticisms of Psychotherapeutic Methods.

ROYAL SOCIETY OF MEDICINE (Social Evening), at 9.—Sir William Hale-White: Pasteur in Relation to Medicine.—Prof. T. M. Lowry: Pasteur in Relation to Chemistry.—Dr. G. Monod: Pasteur as an Artist.

THURSDAY, MARCH 1.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—T. Stevens: Water Power of the Empire (1).

INSTITUTE OF CHEMISTRY, at 4.30.—Annual General Meeting.

ROYAL SOCIETY, at 4.30.—A. Mallock: The Effect of Temperature on some of the Properties of Steel.—Prof. C. H. Lees: Inductively Coupled Low Resistance Circuits.—Lord Rayleigh: Studies of Iridescent Colour, and the Structure producing it. I. The Colours of Potassium Chlorate Crystals. II. Mother of Pearl. III. The Colours of Labrador Felspar.—Dr. L. V. King: The Complex Anisotropic Molecule in Relation to the Dispersion and Scattering of Light.

ROYAL COLLEGE OF SURGEONS OF LONDON, at 5.—Dr. W. G. Savage: Canned Foods in relation to Health (3).

LINNEAN SOCIETY OF LONDON, at 5.

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—Major F. M. Green: Helicopters.

CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Prof. L. Hill: The Sun and Open-Air School.

INSTITUTE OF ELECTRICAL ENGINEERS, at 6.—Report presented on behalf of the British Electrical Research Association by S. W. Melsom and E. Fawssett on Permissible Loading of British Standard Paper-insulated Electric Cables.

CHEMICAL SOCIETY, at 8.—N. V. Sidgwick: Co-ordination Compounds and the Bohr Atom.—W. H. Gray: Silver Salvarsan.—Prof. H. B. Dixon: On the Propagation of the Explosion-wave through Gaseous Mixtures.

ROYAL SOCIETY OF MEDICINE (Obstetrics and Gynaecology Section), at 8.—S. Forsdike: The Treatment of Hemorrhage at the Menopause by Radium, with a report upon 45 cases.

CAMERA CLUB, at 8.15.—G. B. Clifton: My Method of making Bromoil Prints.

FRIDAY, MARCH 2.

ASSOCIATION OF TECHNICAL INSTITUTIONS (Annual General Meeting) (at Carpenters' Hall), at 11 and 2.—Sir Alfred Herbert: Presidential Address.

EMPIRE FORESTRY ASSOCIATION (at Guildhall), at 3.—Annual Meeting.

ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 4.45.—Dr. J. Horne: Tumours in the Inter-Arytenoid Space of the LARYNX.

PHILOLOGICAL SOCIETY (at University College), at 5.30.—C. T. Onions: Dictionary Evening.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—C. Saxton: Glass-forming Machines.

BRITISH MEDICAL ASSOCIATION (Marylebone Division), (at Medical Society of London), at 8.—Dean Inge: Religion and Medical Sociology.

ROYAL SOCIETY OF MEDICINE (Anæsthetics), at 8.30.—Dr. W. G. McCardie: General Anæsthesia in ordinary Dental Surgery (to be followed by a discussion).

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Dr. G. C. Simpson: The Water in the Atmosphere.

SATURDAY, MARCH 3.

ASSOCIATION OF TECHNICAL INSTITUTIONS (Annual General Meeting) (at Carpenters' Hall), at 11 and 2.

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

PUBLIC LECTURES.

SATURDAY, FEBRUARY 24.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—S. H. Warren: The Interplay of Land and Sea.

TUESDAY, FEBRUARY 27.

LONDON SCHOOL OF ECONOMICS, at 5.—Sir Josiah Stamp: Statistics, before, during, and after the War: Income and Wages.

WEDNESDAY, FEBRUARY 28.

LONDON SCHOOL OF ECONOMICS, at 5.—Prof. Graham Wallas: The Competition of the Sexes for Employment (Stansfeld Lecture).

KING'S COLLEGE, at 5.30.—Principal L. P. Jacks: The Limitations of Natural Science.

ROYAL SOCIETY OF MEDICINE, at 5.30.—Sir Archibald E. Garrod: Recent Work on Inborn Errors of Metabolism. (Succeeding Lectures on March 7 and 14.)

THURSDAY, MARCH 1.

ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 5.—Sir Ryland Adkins: Architecture and the Countryside (a Layman's Question).

UNIVERSITY COLLEGE, at 5.30.—Prof. A. E. Richardson: The Public Buildings of Sir Christopher Wren.

FRIDAY, MARCH 2.

KING'S COLLEGE, at 5.30.—C. E. M. Joad: The Case for Pluralism (1). (Succeeding Lectures on March 9 and 16.)

SATURDAY, MARCH 3.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Miss M. A. Murray: Legends of the Gods of Ancient Egypt.