

that hydrophobia may be due to a microsporidium.—Auguste Lumière: Concerning the irregularities of the lactic fermentation in the presence of certain antiseptics. Reply to criticisms of M. Richet.—A. Boquet: The rôle of traumatism in anthrax infection of the guinea-pig by the alimentary canal.

Official Publications Received.

The Institution of Civil Engineers. Engineering Abstracts prepared from the Current Periodical Literature of Engineering and Applied Science, published outside the United Kingdom. Supplement to the Minutes of Proceedings of the Institution. New Series, No. 18, January. Edited by W. F. Spear. Pp. 208. (London: Great George Street.)

Appendix No. 2 to the Annual Report of the Chief of the Bureau of Navigation, 1923: Annual Report of the Naval Observatory for the Fiscal Year 1923. Pp. 25. (Washington: Government Printing Office.)

Department of Commerce: U.S. Coast and Geodetic Survey. Serial No. 240: Precise Leveling in Georgia. By Henry G. Avers. (Special Publication No. 95.) Pp. ii+107. (Washington: Government Printing Office.) 15 cents.

Air Ministry: Meteorological Office, London. Southport Auxiliary Observatory (The Fernley Observatory of the Corporation of Southport). Annual Report, and Results of Meteorological Observations, for the Year 1922; with an Appendix containing Hourly Averages, from 20 Years' Observations, of the Duration, Amount, and Intensity of Rainfall. By Joseph Baxendell. Pp. 36. (Southport: Fernley Observatory; London: Meteorological Office.)

Imperial Department of Agriculture for the West Indies. Report on the Agricultural Department, Dominica, 1922-23. Pp. iv + 45. Barbados. 6d.

Proceedings of the Edinburgh Mathematical Society. Vol. 41. (Session 1922-23.) Edited by Dr. Archibald Milne and Dr. George D. C. Stokes. Pp. viii+160. (London: G. Bell and Sons, Ltd.) 10s. net.

Year-Book of the Royal Society of London, 1924. (No. 28.) Pp. iii+213. (London: Harrison and Sons, Ltd.) 7s. 6d.

National Research Council. Organization and Members, 1923-1924. Pp. 56. (Washington, D.C.: National Academy of Sciences.)

Reprint and Circular Series of the National Research Council. No. 49: Statement of Activities of the National Research Council for the Year, July 1, 1922-June 30, 1923. By Vernon Kellogg. Pp. 16. (Washington, D.C.: National Academy of Sciences.) 25 cents.

Bergens Museum. Aarsberetning, 1922-1923. Pp. 77. (Bergen: A/S John Griegs boktrykkeri og N. Nilssen & Søn.)

Bergens Museums Aarbok 1921-1922. 2 Hefte. Naturvidenskabelig række, Nr. 7: Havdængeromraadetets Hieraciumflora. Av S. O. F. Omang. Pp. 216. (Bergen: A/S John Griegs boktrykkeri og N. Nilssen & Søn.)

The National University of Ireland. Calendar for the Year 1923. Pp. viii + 323 + 359 + 102. (Dublin.)

Diary of Societies.

SATURDAY, FEBRUARY 2.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—W. Wallace: Influence upon Composition of Improvements in Musical Instruments. GILBERT WHITE FELLOWSHIP (at 6 Queen Square, W.C.1), at 3.—H. Main: A Pilgrimage to Provence.

MONDAY, FEBRUARY 4.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting. ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. K. M. Walker: The Internal Secretion of the Testis. SOCIETY OF ENGINEERS, INC. (at Geological Society), at 5.30.—G. A. Becks: Presidential Address. INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—F. W. Crawler and others: Discussion on Storage Battery Troubles. ARISTOTELIAN SOCIETY (at University of London Club), at 8.—K. J. Spalding: The Presuppositions of Philosophy. ROYAL SOCIETY OF ARTS, at 8.—Dr. E. K. Rideal: Colloid Chemistry (Cantor Lectures (3)). SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Engineers' Club, Coventry Street), at 8.—Prof. J. W. Hinchley: The Manufacture of Potash and other Salts from Leucite. INSTITUTION OF RUBBER INDUSTRY (at Engineers' Club, Coventry Street), at 8.—F. Kaye: The Use of Rubber Latex in the Manufacture of Boards, Leather, and Linoleum Substitutes, and as to the Vulcanisation of these Products. ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.30.—Presidential Address to Students and Presentation of Prizes.

TUESDAY, FEBRUARY 5.

ROYAL SOCIETY OF ARTS (Dominions and Colonies Section), at 4.30.—F. W. Walker: The Commercial Future of the Backward Races, with special reference to Papua. ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. A. Dendy: What is Heredity? (2). ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Secretary: Report on the Additions to the Society's Menagerie during the Months of November and December 1923.—Dr. N. S. Lucas: Report on the Deaths which have occurred in the Society's Menagerie during 1923.—C. Tate Regan: Reversible Evolution with Examples from Fishes.—M. A. Smith: New

Tree-Frogs from Indo-China and the Malay Peninsula.—R. R. Mole: The Trinidad Snakes.—Mary L. Hett: (1) The Family Linguatulidae; (2) Zoological Results of the Third Tanganyika Expedition conducted by Dr. W. A. Cunnington, 1904-1905: Report on the Linguatulidae.

INSTITUTION OF CIVIL ENGINEERS, at 6.—T. R. Nolan: Slips and Washouts on the Hill Section of the Assam-Bengal Railway.—R. D. Walker: Underdrainage and its Application to Railway Work.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—A. L. Coburn: Address to Pictorial Group.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—W. E. Armstrong: Rossel Island Money.

RÖNTGEN SOCIETY (at Institution of Electrical Engineers), at 8.15.—Prof. H. S. Gasser: The Recording of Action Currents in Nerve with special reference to the Use of the Cathode Ray Oscillograph.

WEDNESDAY, FEBRUARY 6.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. C. M. Page: The Surgical Treatment of Osteo-arthritis.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Prof. O. T. Jones: The Upper Towy Drainage System.

NEWCOMEN SOCIETY (at 17 Fleet Street), at 5.30.—Short Papers. INSTITUTE OF PHYSICS (at Chemical Society), at 5.30.—Prof. C. H. Desch: The Physicist in Metallurgy.

INSTITUTION OF CIVIL ENGINEERS (Students' Meeting), at 6.—F. W. S. Hawtayne: The Bristol Waterworks—Past and Present.

INSTITUTION OF ELECTRICAL ENGINEERS (Wireless Section), at 6.—E. B. Moullin: Atmospherics and their Effect on Wireless Receivers.

ROYAL MICROSCOPICAL SOCIETY (Biological Section), at 7.30.—R. Paulson: Symbiosis or Parasitism?

SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (Annual General Meeting) (at Chemical Society), at 8.—Presidential Address.—C. Ainsworth Mitchell: Osmium Tetroxide as a Reagent for the Estimation of Tannins and their Derivatives.—G. D. Elsdon: The Composition and Examination of Beef and Mat Wine.—S. A. de Lacy: Demonstration of an Apparatus for Fat Extraction and Solvent Recovery.

ROYAL SOCIETY OF ARTS, at 8.—I. Tokugawa: The Earthquake and the Work of Reconstruction in Japan.

ENTOMOLOGICAL SOCIETY OF LONDON, at 8.

THURSDAY, FEBRUARY 7.

ROYAL SOCIETY, at 4.30.—Dr. J. W. Pickering and J. A. Hewitt: Further Experiments on the Action of "Peptone" on Blood, with Notes on the Significance of Surface Phenomena in the Problems of Anaphylaxis and Susceptibility.—L. B. Winter and W. Smith: Studies on Carbohydrate Metabolism. I. Variations in the Nature of the Blood Sugar.—E. C. Grey: The Latent Fermenting Powers of Bacteria. Parts I, II, and III.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Sir William Bragg: The Crystalline Structure of Organic Substances (I).

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—Squadron Leader Maycock: Airmanship at Sea.

CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Miss Grace Owen: The Present Prospect of the Nursery School.

CHEMICAL SOCIETY, at 8.—N. V. Sidgwick and R. K. Callow: (1) The Solubility of the Aminophenols; (2) Abnormal Benzene Derivatives.

FRIDAY, FEBRUARY 8.

ROYAL ASTRONOMICAL SOCIETY (Anniversary Meeting), at 5. PHYSICAL SOCIETY OF LONDON (Annual General Meeting) (at Imperial College of Science and Technology), at 5.—E. G. Richardson: Eolian Tones.—J. E. Calthrop: The Effect of Torsion on the Thermal and Electrical Conductivities of Metals.—C. W. Hawksley: Demonstration of a Microscope with Special Eyepiece for the Observation of Interference Fringes.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. W. H. Ogilvie: The Infection of the Upper Alimentary Tract.

MALACOLOGICAL SOCIETY OF LONDON (at Linnean Society), at 6. INSTITUTION OF MECHANICAL ENGINEERS, at 6.—R. W. Wilson: Repair and Upkeep of Pneumatic Tools.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Lantern Lecture.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Sir Arthur Evans: Recent Lights on the Minoan Art of Crete.

PUBLIC LECTURES.

SATURDAY, FEBRUARY 2.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—C. N. Bromehead: A Geologist's History of London.

MONDAY, FEBRUARY 4.

UNIVERSITY COLLEGE, at 5.30.—Prof. Morton Prince: Psychology. (Succeeding Lectures on February 6 and 7.)

TUESDAY, FEBRUARY 5.

KING'S COLLEGE, at 5.30.—Prof. H. Wildon Carr: The Transition to the Relativist Conception of Nature. (Succeeding Lectures on February 12, 19, 26.)

FRIDAY, FEBRUARY 8.

UNIVERSITY COLLEGE, at 5.15.—Dr. Bernard Hart: Psychology and Medicine.—At 5.30.—Dr. D. Heron: Business Forecasting.

SATURDAY, FEBRUARY 9.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—E. Lovett: The Origin of Children's Toys.