

Official Publications Received.

Department of the Interior: Bureau of Education. Bulletin, 1923, No. 31: Americanization in the United States. By Prof. John J. Mahoney. Pp. iv+42. (Washington: Government Printing Office.) 5 cents.

Year Book of the Royal Society of Tropical Medicine and Hygiene. Session 1923-24. Pp. 27+lv. (London: 11 Chandos Street, W.1.)

Publications of the American Astronomical Society. Vol. 4. Pp. iv+432+8 plates. (Madison, Wis.: Washburn Observatory.) 2 dollars.

The Parliament of the Commonwealth of Australia, 1923 (Second Session). Meteorological Service. Report to the Honorable the Minister for Home and Territories on the Work of the Meteorological Service for the Financial Year 1921-22. By H. A. Hunt. Pp. 31. (Melbourne: Albert J. Mullett.) 1s. 3d.

The Journal of the Royal Anthropological Institute of Great Britain and Ireland. Vol. 53, January to June. Pp. 262. (London: 50 Great Russell Street, W.C.1.) 15s. net.

Ministry of Public Works, Egypt. Report on the Work of the Physical Department for the Year ending March 31st, 1923. By Dr. H. E. Hurst. Pp. 25. (Cairo: Government Publications Office.) P.T. 5.

Ministry of Public Works, Egypt. Zoological Service, Publication No. 36: Report on the Zoological Service for the Year 1922, in which is included the 24th Annual Report of the Giza Zoological Gardens. By Major S. S. Flower. Pp. 26. Zoological Service, Publication No. 37: List of Birds of Prey 1898-1923, with Notes on their Longevity. By Major S. S. Flower. Pp. 46. (Cairo: Government Publications Office.) P.T. 5 each.

Departement van Landbouw, Nijverheid en Handel. "S Lands Plantentuin" ("Jardin Botanique de Buitenzorg"). Treubia: Recueil de Travaux Zoologiques, Hydrobiologiques et Oceanographiques. Vol. 4, Livraisons 1-4: Meteorological and Hydrographical Observations made in the Western Part of the Netherlands East Indian Archipelago. By K. M. van Weel. Pp. 559+9 plates+28 charts. (Batavia: Drukkerij Ruygrok & Co.)

Abstract-Bulletin of Nela Research Laboratory, National Lamp Works of General Electric Company, Cleveland, Ohio. Vol. 1, No. 3, October 1922. Pp. ix+803-521. (Cleveland, Ohio.)

Proceedings of the Liverpool Geological Society. Session the Sixty-fourth, 1922-1923. Part 4, Vol. 13. Edited by C. B. Travis. Pp. xviii+231-341. (Liverpool.)

The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts. Year Book, 1923. Pp. 195. (Philadelphia.)

Edinburgh University and the East of Scotland College of Agriculture: Animal Breeding Research Department. Report of the Director for the Year ending 30th June 1923. Pp. 16. (Edinburgh.)

Diary of Societies.

SATURDAY, NOVEMBER 17.

BRITISH MYCOLOGICAL SOCIETY (in Botany Department, University College), at 11.—Miss R. Bracher: Observations on Rhytisma.—J. J. Clarke: Notes on some Mycological Chromidia.—W. J. Dowson: A Mould attacking Sweet Peas.—Dr. A. S. Horne and G. H. Jones: Further Contributions to the Study of Eidamia.—R. Paulson: Observations on Tree Mycorrhiza.—A. A. Pearson: A Foray in Paris.

BRITISH PSYCHOLOGICAL SOCIETY (General Meeting conjointly with the Aesthetic Section) (at King's College), at 3.15.—R. Fry: What Artists want from Psycho-Analysis.

MONDAY, NOVEMBER 19.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—A. B. Eason and others: Discussion on Power in Telephone Exchanges.

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 6.—Prof. T. P. Nunn: The Philosophy of Signor Gentile.

INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section, London), at 7.—Special Exhibition of Industrial Kinematograph Films.

ROYAL INSTITUTE OF BRITISH ARCHITECTS (at 1 Wimpole Street), at 8.—G. T. Forrest: The Rebuilding of Ypres.

ROYAL SOCIETY OF ARTS, at 8.—S. H. Davies: The Cultivation of Cocoa in British Tropical Colonies.

ROYAL GEOGRAPHICAL SOCIETY (at Eolian Hall), at 8.30.—Count Byron de Prorok: Results of Recent Research at Carthage.

TUESDAY, NOVEMBER 20.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—E. Gosse: Personal Relations between Medicine and Literature (David Lloyd Roberts Lecture).

ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—The Secretary: (1) Report on the Additions to the Society's Menagerie during the month of October 1923; (2) Exhibition of a Collection of Autographs recently presented the Society by Mr. Hugh S. Gladstone.—W. E. Le Gros Clark: Notes on the Living Tarsier.—Dr. Francis, Baron Nopsca: Reversible and Irreversible Evolution; a Study based on Reptiles.—Dr. J. R. Garrod: Two Skeletons of the Cetacean *Pseudorca crassidens* from Thorney Fen, Cambridgeshire.—Dr. C. Crossland: Polychæta of Tropical East Africa, the Red Sea, and Cape Verde Islands; and of the Maldivé Archipelago.—Miss Joan B. Procter: (1) New and Rare Reptiles from South America; (2) New and Rare Reptiles and Batrachians from the Australian Region.

INSTITUTION OF CIVIL ENGINEERS, at 6.—R. F. Grantham: The Effect of Groyning on Some Parts of the English Coast.—E. W. Hollingworth: The Tides from an Engineer's Standpoint.

INSTITUTE OF MARINE ENGINEERS, INC., at 6.30.—H. Campbell: The Gas Turbine.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Meeting organised by the Scientific and Technical Group.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—L. H. Dudley Buxton: The Inhabitants of Inner Mongolia.

CIRCLE OF SCIENTIFIC, TECHNICAL, AND TRADE JOURNALISTS, at 8.15.—Sir Richard Gregory: Progress in Science and Invention.

WEDNESDAY, NOVEMBER 21.

ROYAL SOCIETY OF MEDICINE, at 5.—General Meeting.

ROYAL METEOROLOGICAL SOCIETY, at 5.—L. F. Richardson: Attempts to measure Air Temperature by shooting Spheres upward.—Col. H. G. Lyons: Exhibit of a Replica of an Early Korean Rangauge.—F. J. W. Whipple: Exhibit of a Limit-gauge for Rainfall.—S. N. Sen: The Distribution of Air Density over the Globe.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. L. J. Wills: The Development of the Severn Valley in the Neighbourhood of Ironbridge and Bridgnorth.

INSTITUTION OF CIVIL ENGINEERS (Students' Meeting), at 6.—H. H. Mardon: Address.

INSTITUTION OF ELECTRICAL ENGINEERS (Wireless Section), at 6.—Dr. E. V. Appleton and F. S. Thompson: Periodic Trigger Reception.—R. C. Clinker: A Dynamic Model of a Valve and Oscillating Circuit.

INSTITUTION OF PRODUCTION ENGINEERS (at Engineers' Club), at 7.30.—A. W. Swan: The Use of Charts in Engineering.

ROYAL MICROSCOPICAL SOCIETY, at 7.45.—F. R. Brambell: Sex-Reversal and Intersexuality.—Prof. J. Bronté Gatenby: Further Evidence on the Transition of Peritoneal Cells into Germ-Cells in Amphibia.—Dr. M. Johnston: The Preparation of Eel Scales for Microscopic Examination.—F. I. G. Rawlins: The Microscope in Physics.—Dr. H. M. Woodcock: Exhibition of Bacteriomorphic Granules (or Granules Simulating Bacteria) resulting from Cell-lysis or Digestion.

ROYAL SOCIETY OF ARTS, at 8.—A. Knowles: Forgeries of Ancient Stained Glass.

ENTOMOLOGICAL SOCIETY OF LONDON, at 8.

THURSDAY, NOVEMBER 22.

MEDICO-PSYCHOLOGICAL ASSOCIATION OF GREAT BRITAIN AND IRELAND (at 11 Chandos Street, W.1), at 2.45.—Prof. D. C. Winckler: The Psychiatric and Neurological Teaching at the Dutch Universities, especially at the University of Utrecht.

ROYAL SOCIETY, at 4.—Special General Meeting to consider the Annual Report of Council.—At 4.40.—E. Simeon: The Carbon Arc Spectrum in the Extreme Ultra-Violet, II.—H. J. Gough and Dr. D. Hanson: The Behaviour of Metals subjected to Repeated Stresses.—W. Sucksmith and L. F. Bates: A Null Method of Measuring the Gyro-Magnetic Ratio.—J. H. Shaxby: Studies in Brownian Movement, II. The Determination of Avogadro's Number from Observations on Bacteria (Cocci).—To be read in title only.—Dr. H. Hartridge and F. J. W. Roughton: The Kinetics of Hæmoglobin, II.—A. F. A. Young: The Thermionic and Photo-Electric Properties of the Electro-Positive Metals.—O. F. T. Roberts: The Theoretical Scattering of Smoke in a Turbulent Atmosphere.

CHILD-STUDY SOCIETY (at Royal Sanitary Institute), at 6.—Dr. J. J. Findlay: Rhythm, Labour, and Child Development.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—A. Bachellery: The Electrification of the Midi Railway (Joint Meeting with the British Section of the Société des Ingénieurs Civils de France).

SOCIETY OF DYERS AND COLOURISTS (London Section) (at Dyers' Hall, Dowgate Hill, E.C.3), at 7.—A. D. Lang: Macbeth Artificial Daylight, and the Fade-ometer.

FRIDAY, NOVEMBER 23.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—F. Martin Duncan: Lantern Lecture.

INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.—British Locomotive Practice and Performance.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—W. A. Tookey: Technical Arbitrations.

PUBLIC LECTURES.

SATURDAY, NOVEMBER 17.

GILBERT WHITE FELLOWSHIP (at 6 Queen Square, W.C.1), at 3.—G. Morris: The Prehistoric Survey of Selborne.
HORNIMAN MUSEUM (Forest Hill), at 3.30.—S. H. Warren: The Cave-Paintings of Stone Age Man in Europe.

MONDAY, NOVEMBER 19.

KING'S COLLEGE, LONDON, at 5.30.—Prof. W. T. Gordon: Gem Minerals and their Uses in Art and Industry (Swiney Lectures). (Succeeding Lectures on November 21, 23, 26, 28, 30, December 3, 5, 7, 10, 12, and 14.)

TUESDAY, NOVEMBER 20.

UNIVERSITY COLLEGE, at 5.30.—Engr.-Capt. E. C. Smith: Epochs in the History of Marine Engineering.

WEDNESDAY, NOVEMBER 21.

ROYAL INSTITUTE OF PUBLIC HEALTH, at 4.—Dr. C. W. Saleeby: Sunlight and Disease.

UNIVERSITY COLLEGE, at 5.30.—A. Jenkinson: Handwriting and Early Printing.

THURSDAY, NOVEMBER 22.

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, at 5.15.—Dr. J. W. Heslop Harrison: Problems of Variation. (Succeeding Lecture on November 23.)

LONDON SCHOOL OF ECONOMICS, at 5.30.—F. S. Marvin: Great Britain and Europe (League of Nations Union Lecture).

FRIDAY, NOVEMBER 23.

KING'S COLLEGE, LONDON, at 5.30.—C. E. M. Joad: The Philosophical Background of Music and Poetry: (1) The Function of Art.

ROYAL SOCIETY OF ARTS, at 8.—Major H. Barnes: Hygiene and Architecture: Remedial Hygiene—Health and the Hospital (Chadwick Lecture).

SATURDAY, NOVEMBER 24.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Miss E. Goodyear: The Romance of the Highways.