

## Official Publications Received.

Bureau of Education, India. Pamphlet No. 18: Conference of Indian Universities held in May 1924 at Simla. Pp. viii+79. (Calcutta: Central Publication Branch.) 7 annas; 8d.

Agricultural Research Institute, Pusa. Bulletin No. 154: The Bionomics of the Sarcopic Mange Parasite of the Buffalo, with some Observations concerning the relative Power of Resistance to Adverse Conditions of the different stages of the Acaus and of its Egg. By T. M. Timoney. Pp. 180-200. (Calcutta: Central Publication Branch.) 2 annas.

Transactions of the Royal Society of Edinburgh. Vol. 53, Part 3, No. 25: Size in relation to Internal Morphology. No. 1: Distribution of the Xylem in the Vascular System of Psilotum, Tmesipteris, and Lycopodium. By Claude W. Wardlaw. Pp. 503-532. 4s. Vol. 53, Part 3, No. 23: Observations on the Early Development of the Human Embryo. By Prof. Thomas H. Bryce. Pp. 533-567+9 plates. 7s. 6d. (Edinburgh: R. Grant and Son; London: Williams and Norgate, Ltd.)

Travaux du Laboratoire de Psychologie expérimentale de l'Université de Cracovie. Éditées par W. Heinrich. Pp. iv+391. (Cracovie: Académie Polonoise des Sciences et de Lettres; Paris: Félix Alcan.) 25 francs.

Memoirs of the Indian Museum. Vol. 5: Fauna of the Chilka Lake. No. 12: Crustacea Oeopoda, by Major R. B. Seymour Sewell; Mollusca Gastropoda (revision) by the late Dr. N. Annandale; Tanaidacea and Isopoda, by Prof. Charles Chilton. Pp. 771-896+plates 44-60. (Calcutta: Zoological Survey of India.) 10 rupees.

Report of the Aeronautical Research Institute, Tôkyô Imperial University. No. 7: Über die Mechanismen der Zykklonen und Antizykklonen. Von Tatu Kobayasi. Pp. 187-212. (Tôkyô: Maruzen Kabushiki-Kaisha.) 0,700 Yen.

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 52: The Effect of the Summer Fallow upon Soil Protozoa in Egypt. By Dr. E. McKenzie Taylor and A. Chamley Burns. Pp. 10. (Cairo: Government Press.) 5 P.T.

Bulletin of the American Museum of Natural History. Vol. 51, Art. 5: Basin Structures in Mongolia. By Charles P. Berkey and Frederick K. Morris. Pp. 103-127. (New York.)

Proceedings of the Cambridge Philosophical Society. Vol. 22, Part 3, September 20th. Pp. 201-480. (Cambridge: At the University Press.) 10s. net.

Report of Technical Conference held under the Auspices of the Rubber Growers' Association, Inc., and the Research Association of British Rubber and Tyre Manufacturers, London, Friday, 15th July 1924. Pp. 44. (Croydon: Research Association of British Rubber and Tyre Manufacturers, 105 Lansdowne Road.)

U.S. Department of Agriculture. Farmers' Bulletin No. 1425: The Tobacco Flea-Beetle in the dark Fire-cured Tobacco District of Kentucky and Tennessee. By A. C. Morgan and J. U. Gilmore. Pp. 12. (Washington: Government Printing Office.) 5 cents.

Koninklijk Nederlandsch Meteorologisch Instituut. No. 102, Mededeelingen en Verhandelingen. 23: De Stoomwegen van Caylon naar de Golf van Aden in den Zuidwestnoesschen. By P. M. Van Riel. Pp. 20. 0.35 fl. 29a: Klimatologie van den Indischen Ocean. (With English Summaries.) By P. H. Gallé. Pp. 87. 1.50 fl. (s-Graevenhage: Algemeene Landsdrukkerij.)

Koninklijk Nederlandsch Meteorologisch Instituut. No. 108, Seismische Registreringen in De Bilt, 9, 1921. Pp. xiv+44. (Utrecht: Kemink en Zoon.) 0.80 fl.

Department of the Interior: Bureau of Education. Bulletin, 1924, No. 4: A Type Rural High School—Mount Vernon Union High School, Skagit County, Washington. By C. A. Nelson and E. E. Windes. Pp. iii+36. Bulletin, 1924, No. 23: Government Publications useful to Teachers. Compiled by Eustace E. Windes. Pp. 34. (Washington: Government Printing Office.) 10 cents each.

British Museum (Natural History). British Butterflies. Series No. 2, Set E19, 5 cards in colour. Series No. 3, Set E20, 5 cards in colour. Series No. 4, Set E21, 5 cards in colour. Series No. 5, Set E22, 5 cards in colour. Series No. 6, Set E23, 5 cards in colour. Series No. 7, Set E24, 5 cards in colour. Exotic Moths. Series No. 4, Set E25, 5 cards in colour. Series No. 5, Set E26, 5 cards in colour. Series No. 6, Set E27, 5 cards in colour. British Moths. Series No. 2, Set E28, 5 cards in colour. (London: British Museum (Natural History).) 1s. each set.

Canada. Department of Mines: Geological Survey. Summary Report, 1923, Part A. Pp. 114A. Memoir 1:9, No. 119 Geological Series: Coquihalla Area. British Columbia. By C. E. Cairnes. Pp. 187. (Ottawa: F. A. Acland.)

## Diary of Societies.

MONDAY, OCTOBER 27.

CAMBRIDGE PHILOSOPHICAL SOCIETY (Annual General Meeting), at 4.30.—J. T. Saunders: The Hydrogen in Concentration of the Waters of Lake Lucerne.—J. Gray: The Process of Cell Division in the Eggs of Echinoderms.—V. Nath: Oogenesis of Lithobius.—By title only.—Dr. H. Singh Pruthi: Studies on Insect Metamorphosis.—1. Prothely in Mealworms (*Tenebrio molitor*) and other Insects. Effects of Different Temperatures.—H. Munro Fox: Chloroerucin.—C. G. F. James: Characteristics of Complexes of Conics in Space of Four Dimensions.—T. M. Cherry: Integrals developable about a Singular Point of a Hamiltonian System of Differential Equations.—R. A. R. Tricker: A Helical Method of focussing  $\beta$ -rays.—D. R. Hartree: Some Methods of estimating the Successive Ionisation Potentials of any Element.—Sir Joseph Larmor: Why Wireless Electric Waves can bend round the Earth.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—Prof. F. O. Bower: Presidential Address.

INSTITUTE OF ACTUARIES, at 5.—A. D. Besant: Presidential Address.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—W. B. Woodhouse and others: Discussion on The Interconnexion of Power Stations.

INSTITUTION OF ELECTRICAL ENGINEERS (North-Eastern Centre) (at Armstrong College, Newcastle-on-Tyne), at 7.15.—W. T. Maccall: Chairman's Address.

ROYAL SOCIETY OF MEDICINE (Odontology Section), at 8.—J. G. Turner: Presidential Address.—E. D. D. Davis: Some Points in the Pathology, Diagnosis, and Treatment of Disease of the Maxillary Antrum.

MEDICAL SOCIETY OF LONDON, at 8.30.—Clinical Evening.

TUESDAY, OCTOBER 28.

ROYAL DUBLIN SOCIETY (at Royal College of Surgeons, Dublin), at 4.15.—H. H. Jeffcott: The Determination of the most Economic Size of Pipe Line for Water Power Installations.—Dr. W. R. G. Atkins and G. T. Harris: Seasonal Changes in the Water and Plankton of Fresh Water Ponds.—K. C. Bailey: The Synthesis of Urea from Carbon Dioxide and Ammonia under Atmospheric Pressure.—Miss S. D. King: Oogenesis in *Lithobius fortificatus*.—A. Subba Rassa, F. W. R. Brambell, and Prof. J. B. Gatenby: Observations on the Golgi Bodies in the Living Cell.

INSTITUTION OF CIVIL ENGINEERS, at 6.—E. Crammond: The Economic Position of Great Britain.

INSTITUTION OF AUTOMOBILE ENGINEERS (at 83 Pall Mall) (Informal Meeting), at 7.—Demonstration and Discussion of Devices connected with Cars not yet on the Market.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Special General Meeting (Members only).

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND (at 39 Elmbank Crescent, Glasgow), at 7.30.—Discussion on Paper by A. J. T. Taylor: Pulverised Fuel in its Commercial Aspect.—E. F. Spanner: A Proposed Form of Bow Construction.

WEDNESDAY, OCTOBER 29.

INSTITUTE OF PHYSICS (at Institution of Electrical Engineers), at 5.30.—Sir Oliver Lodge: Electrical Precipitation ("Physics in Industry," No. vii.).

THURSDAY, OCTOBER 30.

ROYAL AERONAUTICAL SOCIETY (at Royal Society of Arts), at 5.30.—Major J. S. Buchanan: The R.Ae.C. Light Aeroplane Competitions.

SOCIETY OF CHEMICAL INDUSTRY (Nottingham Section and Faraday Society) (at University College, Nottingham), at 5.30.—Dr. W. L. Balls and others: Discussion on Textiles.

CHILD-STUDY SOCIETY, at 6.—Dr. H. Y. Trotter: The Teaching of Music.

SOCIETY OF DYERS AND COLOURISTS (Midland Section) (at University College, Nottingham).—N. C. Lamb: The Dyeing of Leather.

INSTITUTION OF LOCOMOTIVE ENGINEERS (at Engineers' Club, Coventry Street, W.), at 7.—J. E. Anderson: Presidential Address.—Sir Henry Fowler: Solid Crank Axles for Locomotives.

FRIDAY, OCTOBER 31.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Anatomy and Malformations of the Heart—(3) Specimens illustrating Points in the Applied Anatomy of the Human Heart.

INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.—Discussion on Engineering Novelties at the British Empire Exhibition.

INSTITUTION OF MECHANICAL ENGINEERS (Leeds Section) (at Leeds).—Prof. W. T. David: Heat Loss in Gas-Engines.

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY (Chemical Section), at 7.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Kinematograph Group), at 7.—L. Eveleigh: Professional Secrets and Trick Kinematography.—J. Noble: Out of the Ink Pot and how it is done.

JUNIOR INSTITUTION OF ENGINEERS (at 39 Victoria Street), at 7.30.—H. J. N. Riddle: Audio-frequency Transformers.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (Middlesbrough Graduate Section) (at Cleveland Institution, Middlesbrough), at 7.30.—L. W. E. Rowbotham: Chairman's Address.

SATURDAY, NOVEMBER 1.

GILBERT WHITE FELLOWSHIP (at Queen Square, W.C.), at 3.—Sir A. Daniel Hall: The Countryside in English Literature (Presidential Address).

PUBLIC LECTURES.

SATURDAY, OCTOBER 25.

HORNIMAN MUSEUM (Forest Hill), at 3.30—F. Balfour-Browns: Social Life amongst Insects—(1) Ants, Bees, and Wasps.

MONDAY, OCTOBER 27.

UNIVERSITY COLLEGE, at 5.30.—Sir Mark Hunter: The History of English Pronunciation.

WEDNESDAY, OCTOBER 29.

UNIVERSITY COLLEGE, at 5.30.—L. Newcombe: University College Library and Modern University Libraries.

FRIDAY, OCTOBER 31.

UNIVERSITY COLLEGE, at 5.15.—Lt.-Comdr. A. S. Elwell-Sutton: China, her People and the Present Situation.

SATURDAY, NOVEMBER 1.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Miss M. A. Murray: Some Famous Pharaohs.