

Official Publications Received.

BRITISH.

- Ministry of Agriculture and Fisheries. Report of the Departmental Committee on the Reconstruction of the Royal Veterinary College. Pp. 26. (London: H.M. Stationery Office.) 1s. 3d. net.
- British Cast Iron Research Association. Eighth Annual Report for the Year ending June 30th, 1929. Pp. 31. (Birmingham.)
- Department of Scientific and Industrial Research. Summary of Progress of the Geological Survey of Great Britain and the Museum of Practical Geology for the Year 1928. Part 2. Pp. v+128+3 plates. (London: H.M. Stationery Office.) 3s. net.
- Journal of the Chemical Society: containing Papers communicated to the Society. October. Pp. iv+2173-2425+x. (London.)
- Proceedings of the Royal Society. Series A, Vol. 125, No. A798, October 1. Pp. 393-578. 6s. Series A, Vol. 125, No. A799, November 1. Pp. 579-734+vi. 5s. (London: Harrison and Sons, Ltd.)
- Publications of the Dominion Astrophysical Observatory, Victoria, B.C. Vol. 4, No. 12: A Spectroscopic Investigation of Beta Cephei. By Ralph N. Van Arnam. Pp. 171-178. Vol. 4, No. 13: Two Highly Eccentric Orbits. By W. E. Harper. Pp. 179-187. Vol. 4, No. 14: Line Intensities in Nebular Spectra. By H. H. Plaskett. Pp. 187-207. (Victoria, B.C.)
- Ninth Annual Report of the Scientific and Industrial Research Council of Alberta, 1928. (Report No. 24.) Pp. 53. (Edmonton, Alta.: W. D. McLean.)
- Commission Internationale de l'Éclairage en succession à la Commission Internationale de Photométrie. Septième Session, Saranac Inn, N.Y., Septembre 1928. Recueil des Travaux et Compte Rendu des Séances. Pp. 1268. (Teddington: National Physical Laboratory.) 5 dollars.
- Records of the Geological Survey of India. Vol. 62, Part 3. Pp. 293-389. (Calcutta: Government of India Central Publication Branch.) 2.12 rupees; 5s.
- Bulletin of the Raffles Museum, Singapore, Straits Settlements. No. 2, July. Pp. 146. (Singapore.) 60 cents; 1s. 6d.
- Air Ministry: Aeronautical Research Committee. Reports and Memoranda. No. 1260 (Ae. 409): Flight Tests on an Atlas fitted with Automatic Slots connected with the Ailerons and some Data relevant to the Design of Auto-Slots for R.A.F.28 Section Wing. By E. T. Jones. (P. 277.) Pp. 8+6 plates. (London: H.M. Stationery Office.) 6d. net.
- Biological Reviews and Biological Proceedings of the Cambridge Philosophical Society. Edited by H. Munro Fox. Vol. 4, No. 4, October. Pp. 307-397. (Cambridge: At the University Press.) 12s. 6d. net.
- Transactions and Proceedings of the New Zealand Institute. Vol. 60, Part 2, June. Pp. iv+205-378+plates 18-32. (Wellington, N.Z.)
- Journal of the Society of Glass Technology. Vol. 13, No. 51, September. Pp. viii+71-296+xxx. (Sheffield.) 10s. 6d.
- The Journal of the Board of Greenkeeping Research. Maintained by the British Golf Unions' Joint Advisory Committee for the Scientific Investigation of Greenkeeping Problems. Vol. 1, No. 1, November. Pp. 48+4 plates. (Bingley: St. Ives Research Station.) 2s. 6d.
- British Honduras. Report of the Forest Trust, 1928. Pp. 17. (Belize.)

FOREIGN.

- U.S. Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research, Vol. 3, No. 4, October. R.P. No. 108: Compressive Strength of Clay Brick Walls, by A. H. Stang, D. E. Parsons and J. W. McBurney; R.P. No. 109: Determination of Manganese in Steel and Iron by the Persulphate-Arsenite Method, by H. A. Bright and C. P. Larrabee; R.P. No. 110: Determination of Fluorine and of Silica in Glasses and Enamels containing Fluorine, by J. I. Hoffman and G. E. F. Lundell; R.P. No. 111: The Heat of Formation of Sulphur Dioxide, by J. R. Eckman and Frederick D. Rossini. Pp. 507-618+20 plates. (Washington, D.C.: Government Printing Office.) 40 cents.
- Bulletin of the Vanderbilt Oceanographic Museum. Vol. 1, Art. 1: Scientific Results of the Yacht *Ara* Expedition during the Years 1926 to 1928, while in Command of William K. Vanderbilt. Fishes. By N. A. Borodin. Pp. 37+5 plates. (Huntington, L.I.)
- U.S. Department of Agriculture. Technical Bulletin No. 130: The Chestnut Curculios. By Fred E. Brooks and Richard T. Cotton. Pp. 24+6 plates. (Washington, D.C.: Government Printing Office.) 19 cents.
- Smithsonian Miscellaneous Collections. Vol. 81, No. 15: Arthropods as Intermediate Hosts of Helminths. By Maurice C. Hall. (Publication 3024.) Pp. 77. (Washington, D.C.: Smithsonian Institution.)
- Cornell University Agricultural Experiment Station, Ithaca, New York. Bulletin 475: The Production and Marketing of New York Market Peas. By Dilworth Walker. Pp. 137. Bulletin 476: The Utilization of Marginal Lands. By William Allen. Pp. 109. Bulletin 477: Composition and Body of Butter. By E. S. Guthrie. Pp. 34. Bulletin 480: Premature Seeding of Celery. By H. C. Thompson. Pp. 50. Bulletin 482: Soil and Field-Crop Management for Yates County, New York. By H. O. Buckman, H. P. Cooper and F. B. Howe. Pp. 82. Bulletin 484: A Comparison of the Cost of Maintenance of Large and of Small Country Boards in the United States: a Study in the Cost of Government. By M. Slade Kendrick. Pp. 41. Bulletin 486: An Economic Study of the Collection of Milk at Country Plants in New York. By Leland Spencer. Pp. 47. Memoir 124: The Rhizoctonia Damaging-Off of Conifers, and its Control by Chemical Treatment of the Soil. By James Stewart Wiant. Pp. 64. (Ithaca, N.Y.)
- Reports of the Conferences on Cycles. Pp. 83. (Washington, D.C.: Carnegie Institution.) Free.
- Carnegie Institution of Washington. Publication No. 390: Second Bibliography and Catalogue of the Fossil Vertebrata of North America. By Oliver Perry Hay. Vol. 1. Pp. viii+916. 7.50 dollars. Publication No. 395: Race Crossing in Jamaica. By C. B. Davenport and Morris Steggerda; in collaboration with F. G. Benedict, Lawrence H. Snyder, Arnold Gesell, Inez Dunkelberger Steggerda, and many Residents of the Colony of Jamaica. Pp. ix+516+29 plates. 7 dollars. (Washington: D.C.: Carnegie Institution.)
- Methods and Problems of Medical Education. (Fourteenth Series.) Pp. v+207. (New York City: The Rockefeller Foundation.)

No. 3133, VOL. 124]

University of Illinois Engineering Experiment Station. Bulletin No. 195: The Plaster-Model Method of Determining Stresses Applied to Curved Beams. By Prof. Fred B. Seely and Prof. Richard V. James. Pp. 33. (Urbana, Ill.) 20 cents.

CATALOGUES.

- A Catalogue of Autograph Letters, Manuscripts and Documents. (New Series, No. 4.) Pp. 96. (London: Francis Edwards, Ltd.)
- West Indies: a Catalogue of Books, Maps and Engravings, including Sections on Guiana, Slave Trade and Buccaneers and Pirates. (No. 519.) Pp. 60. (London: Francis Edwards, Ltd.)
- S.U.P. 86 for the Treatment of Colds, Influenza, Broncho-Pneumonia, Pneumonia, Asthma and other Inflammatory, or Septic, Conditions. Pp. 16. (London: The British Drug Houses, Ltd.)

Diary of Societies.

FRIDAY, NOVEMBER 15.

- ROYAL SOCIETY OF MEDICINE (Balneology Section), at 5.—Dr. G. L. K. Pringle: A Survey of 2000 Cases of Rheumatic Disease.
- BRITISH INSTITUTE OF RADIOLOGY (Informal Meeting), at 5.—Discussion on Radiology in Obstetrics.
- INSTITUTION OF MECHANICAL ENGINEERS, at 6.—F. Hodgkinson: Journal bearing Practice.
- NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (at Mining Institute, Newcastle-upon-Tyne), at 6.—Dr. B. C. Laws: The Behaviour of a Cargo Vessel during a Winter North Atlantic Voyage.
- INSTITUTE OF FUEL (at University College, Nottingham), at 7.—Dr. J. W. Whitaker: Coals and their Impurities.
- INSTITUTION OF LOCOMOTIVE ENGINEERS (North-Eastern Centre) (at Hotel Metropole, Leeds), at 7.—E. W. Selby: Compound Locomotives.
- ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group—Informal Meeting), at 7.
- SOCIETY OF CHEMICAL INDUSTRY (South Wales Section) (at Technical College, Cardiff), at 7.15.—S. Dixon: Some Recent Food Investigations.
- ELECTRICAL DEVELOPMENT ASSOCIATION (at Royal Society of Arts), at 7.30.—G. E. Sharp: Selling Time Switches.
- JUNIOR INSTITUTION OF ENGINEERS (Informal Meeting), at 7.30.—W. T. Griffiths: Nickel and its Uses in Engineering.
- ROYAL AERONAUTICAL SOCIETY (at St. Ermin's Hotel), at 7.30.—Discussion: That this Meeting is of the opinion the Present Rules for the Schneider Trophy Race and the High-Speed Record are not consistent with the Proper Development of High-Speed Aircraft.
- ROYAL SANITARY INSTITUTE (at Town Hall, Carlisle), at 7.30.—P. Dalton and others: Discussion on Town Planning of Built-Up Areas.—C. J. H. Stock and others: Discussion on Some Dangers and Difficulties of Small Water Supplies.—R. Simpson and others: Discussion on The Veterinarian in Relation to the Milk Supply.
- GEOLOGISTS' ASSOCIATION (at University College), at 7.30.—Special General Meeting.
- TEXTILE INSTITUTE (Lancashire Section) (at Rochdale Technical School), at 7.30.—J. Ryan: The Problems of the Cotton Industry with special reference to the Spinners' Difficulties.
- BRITISH PSYCHOLOGICAL SOCIETY (Industrial Section) (at National Institute of Industrial Psychology), at 8.—R. J. Bartlett: Some Effects of Low-Frequency Vibration.—S. Wyatt: Factors in Unproductive Time.—Dr. A. Macrae: Some Problems of Vocational Guidance.
- ROYAL SOCIETY OF MEDICINE (Obstetrics Section), at 8.—Dr. J. E. Hughes: A Case of Hydatidiform Mole with Multiple Small Syncytial Infarction of the Lungs.—Dr. Kathleen Vaughan: Maternal Mortality and its Relation to the Shape of the Female Pelvis.
- ROYAL SOCIETY OF MEDICINE (Electro-Therapeutics Section), at 8.30.—Dr. Jessie E. Sheret: Massive Collapse of the Lungs.
- SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group) (jointly with Nottingham Section).—J. A. Reavell: The Scientific Heating of Liquids and Gases.
- SOCIETY OF DYERS AND COLOURISTS (Manchester Section) (at Manchester).—Dr. F. A. Mason: Peter Griess.

SATURDAY, NOVEMBER 16.

- BRITISH PSYCHOLOGICAL SOCIETY (at Royal Anthropological Institute), at 3.—C. Fox: Mental Energy.
- BRITISH ASSOCIATION OF MANAGERS OF TEXTILE WORKS (at Athenaeum, Manchester), at 6.30.—Conference: Is there a Changing Trend in the Textile Industry?
- PHYSIOLOGICAL SOCIETY (at Cardiff).

MONDAY, NOVEMBER 18.

- INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section, London) (jointly with Students' Sections of Institution of Civil Engineers and Institution of Electrical Engineers), at 7.—A. G. Brown: Artificial Lighting of Factories and Public Buildings.
- INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (at Liverpool University), at 7.—Dr. N. W. McLachlan: The Theory and Practice of Modern Loud Speakers.
- HUDDERSFIELD TEXTILE SOCIETY (at Huddersfield Technical College), at 7.30.—S. Kershaw: Uniform Worsted Yarn Processing.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—A. E. Munby: The Design of Science Buildings.
- ROYAL SOCIETY OF ARTS, at 8.—Dr. E. G. Richardson: Wind Instruments from Musical and Scientific Aspects (Cantor Lectures) (1).
- ROYAL GEOGRAPHICAL SOCIETY (at Eolian Hall), at 8.30.—C. Wells: The Colour of Ruwenzori.
- ROYAL AERONAUTICAL SOCIETY (Oxford Branch) (at Oxford).—Squadron Leader Orlebar: The Schneider Trophy Race and the Air Speed Record.