

Official Publications Received.

BRITISH.

- South Australia: Department of Mines. Mining Review for the Half year ended June 30th, 1929. (No. 50.) Pp. 105+4 plates. (Adelaide: Harrison Weir.)
- The Medical and Scientific Archives of the Adelaide Hospital. No. 8 (for the Year 1928). Pp. 81. (Adelaide: Harrison Weir.)
- Institute of Industrial Administration. Examination Scheme for the Diploma of Industrial Administration. December 1929 edition. Pp. 16. (London.)
- Department of Agriculture, New South Wales. Veterinary Research Report, 1927-28. (No. 5.) Pp. 124+12 plates. (Sydney, N.S.W.: Alfred James Kent.)
- Transactions of the Mining and Geological Institute of India. Vol. 24, Part 2, December 1929. Pp. 79-222+plates 4-14. (Calcutta.) 4 rupees.
- Memoirs of the Indian Museum. Vol. 9, No. 4: An Aid to the Study of Hamilton Buchanan's "Gangetic Fishes". By Dr. Sunder Lal Hora. Pp. 169-192+plates 13-28. 2.10 rupees; 4s. 9d. Vol. 10: The Copepoda of Indian Seas—Calanoida. By Lieut.-Col. R. B. Seymour Sewell. Pp. 221. 8.2 rupees; 13s. 9d. (Calcutta: Zoological Survey of India.)
- Records of the Indian Museum. Vol. 31, Part 4, December 1929. Pp. 259-334+plates 12-15. (Calcutta: Zoological Survey of India.) 2.12 rupees; 5s.
- River Moriston. Report on River Flow, July to September 1929. By W. N. McClean. (River Flow Records, Ness Basin.) Pp. 4+3 tables. (London: River Flow Records.) 1s. 6d.
- Torquay Natural History Society. Transactions and Proceedings for the Year 1928-9. Vol. 5, Part 3. Pp. 175-258+3 plates. (Torquay.)
- Journal of the Royal Microscopical Society. Series 3, Vol. 49, Part 4, December 1929. Pp. xvi+319-466. (London.) 10s. net.
- Air Ministry: Aeronautical Research Committee. Reports and Memoranda. No. 1207 (Ae. 388): Wing Flutter as Influenced by the Mobility of the Fuselage. By R. A. Frazer and W. J. Duncanson. (T. 2677: T. 2741: T. 2746.) Pp. 33. (London: H.M. Stationery Office.) 1s. 3d. net.
- University College and University College Hospital Medical School, London. The Second Rickman Godlee Lecture. Natural History: the Pleasure and Purpose of Observation. Delivered by the Rt. Hon. the Viscount Grey of Fallodon in the Great Hall of the College on Thursday, 7th November 1929. Pp. 32. (London: University College Publications Secretary.) 1s.
- The Gardens' Bulletin, Straits Settlements. Vol. 6, Part 1, December: On Chinese Medicine; Drugs of Chinese Pharmacies in Malaya. By Dr. David Hooper. Pp. 163. (Singapore: Botanic Gardens.) 2.50 dollars.
- Government of India: Department of Industries and Labour (Public Works Branch). Irrigation in India: Review for 1927-28. Pp. 37. (Calcutta: Government of India Central Publication Branch.) 14 annas; 1s. 6d.

FOREIGN.

- Proceedings of the United States National Museum. Vol. 76, Art. 11: Revision of the Two-winged Flies of the Genus *Coelopa* Meigen in North America. By J. M. Aldrich. (No. 2808.) Pp. 6. Vol. 76, Art. 12: Two New Species of Trematodes of the Genus *Parametorechis* from Fur-bearing Animals. By Emmett W. Price. (No. 2809.) Pp. 5. Vol. 76, Art. 15: New Genera and Species of Muscoid Flies. By J. M. Aldrich. (No. 2812.) Pp. 13. Vol. 76, Art. 20: Notes on the Muscoid Flies of the Genera *Opelusia* and *Opsodexia* with the Description of Three New Species. By H. J. Reinhard. (No. 2817.) Pp. 9. (Washington, D.C.: Government Printing Office.)
- Report of the Aeronautical Research Institute, Tokyo Imperial University. No. 51: Air Flow through Suction Valve of Conical Seat. Part 2: Analytical Investigation. By Keikiti Tanaka. Pp. 361-424. 0.70 yen. No. 52: Application of the Inverse Wiedemann Effect to Torque Measurements and to Torque Variation Recordings. By Tatuo Kobayasi, assisted by Kinmatsu Shimamura and Tatuo Koyama. Pp. 425-445. 0.35 yen. (Tokyo: Koseikai Publishing House.)
- Instituts scientifiques de Buitenzorg: "s Lands Plantentuin". Treubia: recueil de travaux zoologiques, hydrobiologiques et océanographiques. Vol. 11, Livraison 2, Novembre 1929. Pp. 155-300. (Buitenzorg: Archipel Drukkerij.) 2.50 f.
- Comité International des Poids et Mesures. Procès-verbaux des séances. Deuxième série, Tome 13, Session de 1929. Pp. vii+287. (Paris: Gauthier-Villars et Cie.)
- Rapport annuel sur l'état de l'Observatoire de Paris pour l'année 1928. Par M. Deslandres. Pp. 46. (Paris.)
- Annales de l'Institut de Physique du Globe de l'Université de Paris et du Bureau Central de Magnétisme terrestre. Publiées par les soins de Prof. Ch. Mairan. Tome 7. Pp. iv+213. (Paris: Les Presses universitaires de France.)
- Comité National Français de Géodésie et de Géophysique: Section de Magnétisme et Électricité terrestres. Nouveau réseau magnétique de la France au 1er janvier 1924. (Extrait des Annales de l'Institut de Physique du Globe de l'Université de Paris, tome 7.) Pp. 45. (Paris: Les Presses universitaires de France.)
- Ministry of Public Works, Egypt: Physical Department. Meteorological Report for the Year 1923. Pp. xiii+168. (Cairo: Government Press.) 40 P.T.
- Journal of the Faculty of Science, Imperial University of Tokyo. Section 1: Mathematics, Astronomy, Physics, Chemistry. Vol. 1, Part 12. Pp. 439-480+plates 36-39. 1.20 yen. Section 4: Zoology. Vol. 2, Part 2. Pp. 51-139+plates 9-11. 2.30 yen. Section 2: Geology, Mineralogy, Geography, Seismology. Vol. 2, Part 9. Pp. 369-398+plates 71-76. 1.10 yen. Vol. 3, Part 1. Pp. vi+28+4 plates. 1.00 yen. Vol. 3, Part 2. Pp. 29-129. 1.90 yen. (Tokyo: Maruzen Co., Ltd.)
- Smithsonian Institution: United States National Museum. Bulletin 100: Contributions to the Biology of the Philippine Archipelago and Adjacent Regions. Bryozoa of the Philippine Region. By Ferdinand Canu and Ray S. Bassler. Pp. xi+685+94 plates. (Washington, D.C.: Government Printing Office.) 1.75 dollars.

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Annual Report of the Naval Observatory for the Fiscal Year 1929. (Appendix No. 2 to Annual Report of the Chief of the Bureau of Navigation, 1929.) Pp. iii+37. (Washington, D.C.: Government Printing Office.)

United States Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research. Vol. 3, No. 5, November 1929. Pp. 619-827. (Washington, D.C.: Government Printing Office.)

The University of Chicago. Publications of the Yerkes Observatory, Vol. 7, Part 1: Radial Velocities of 500 Stars of Spectral Class A. By Edwin B. Frost, Storrs B. Barrett and Otto Struve. Pp. vii+79. (Chicago: University of Chicago Press; London: Cambridge University Press.)

Verhandlungen der Schweizerischen Naturforschenden Gesellschaft. 110 Jahresversammlung vom 29 August bis 1 September 1929 in Davos. Pp. 144+236+44. (Aarau: H. R. Sauerländer et Cie.)

CATALOGUES.

- Catalogue of Scientific Books and Publications of Learned Societies. (No. 545.) Pp. 110. (Cambridge: W. Heffer and Sons, Ltd.)
- Watsons Microscope Record. No. 19, January. Pp. 32. (London: W. Watson and Sons, Ltd.)
- The "Sanbro" Laboratory Oven. Pp. 8. (London: Brown and Son, Ltd.)

Diary of Societies.

FRIDAY, JANUARY 31.

- DIESEL ENGINE USERS' ASSOCIATION (at Caxton Hall), at 3.30.—W. S. Burn: High-powered Oil Engines for Land Purposes.
- ROYAL ASTRONOMICAL SOCIETY (Geophysical Discussion), at 4.30.—Seismic Methods in Surveying: Prof. A. O. Rankine, Dr. H. Jeffreys, Capt. Shaw, R. S. Whipple, F. J. W. Whipple. Chairman, Prof. H. H. Turner.
- ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. W. S. Handley: The Papilloma and its Menace.
- INSTITUTION OF ELECTRICAL ENGINEERS (London Students' Section), at 6.15.—R. R. Poole: Practical Television.
- MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY (Chemical Section), at 7.
- NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (Graduate Section) (Joint Meeting) (at Newcastle-upon-Tyne), at 7.15.—W. G. Thompson: The Electrical Propulsion of Ships.
- SOCIETY OF CHEMICAL INDUSTRY (Glasgow Section, jointly with other Chemical Societies of Glasgow) (at 39 Elmbank Crescent, Glasgow), at 7.30.—Prof. L. M. Heilbron: Our Present Knowledge of the Fat-soluble Vitamins A and D.
- JUNIOR INSTITUTION OF ENGINEERS (Informal Meeting), at 7.30.—F. Onions: Superheating.
- ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Lord Rayleigh: Iridescent Colour in Nature.
- INSTITUTION OF ELECTRICAL ENGINEERS (West Wales (Swansea) Sub-Centre).
- SATURDAY, FEBRUARY 1.
- BRITISH MYCOLOGICAL SOCIETY (at University College), at 11 A.M.—D. B. Barnes: Induced Variations in *Thamnidium elegans*.—Prof. W. Brown: Investigations on the Physico-chemical Basis of Disease Resistance.—Dr. I. Reichert: Infection of *Egillips* with *Tilletia*.—Dr. G. Samuel: The Generic Names *Alternaria* and *Macrosporium*.—Dr. H. S. Vasudeva: The Effect of one Organism in Reducing the Virulence of Another.
- MATHEMATICAL ASSOCIATION (London Branch) (at Bedford College for Women), at 3.—Annual Meeting.
- ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. R. W. Chambers: Sir Thomas More and his Friends (2).
- ROYAL AERONAUTICAL SOCIETY (Yeovil Branch) (at Yeovil).—The Westland Wapiti in Service.

MONDAY, FEBRUARY 3.

- ROYAL SOCIETY, EDINBURGH, at 4.30.—R. W. Wrigley: On Changes of Rock Temperatures and Irregularities of the Earth's Rotation.—S. Williams: The Morphology of *Trichomanes aphlebioides* Christ., with Special Reference to the Apherbioid Leaves.—J. S. Patel: On the Existence of a Kyogenic Substance in the Corpus Luteum.—Pius Koller: Genetic Studies of the A and B Races of *Drosophila obscura*.—Prof. F. A. E. Crew and Dr. L. Mirskaia: Maturity in Albino and Coloured Mice.—A. Mozley: Report of the Jasper Park Lakes Investigations, 1924-26. The Mollusca of Jasper Park.
- VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Rev. Dr. W. M. Christie: Jew and Arab in Palestine.
- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting.
- ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Prof. G. Keynes: The Radium Treatment of Carcinoma of the Breast.
- SOCIETY OF ENGINEERS (at Geological Society), at 6.—W. M. Beckett: Presidential Address.
- BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 6.—Miss Evelyn Lawrence: An Investigation into the Relation between Intelligence and Inheritance.
- INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—H. G. S. Peck and others: Discussion on Maintenance of Telephone Plant.
- UNIVERSITY OF BIRMINGHAM MEDICAL SOCIETY, at 8.—Prof. J. C. Brash: The Surgeon Anatomist and the History of Anatomy (William Haslam Oration).
- ROYAL SOCIETY OF ARTS, at 8.—H. J. L. Wright: Three Master Etchers: Rembrandt, Meryon, Whistler (Cantor Lectures) (3).
- SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Institution of Mechanical Engineers), at 8.—Dr. H. Levinstein: Chemical Disarmament.