

Official Publications Received.

BRITISH.

Transactions of the Royal Society of Edinburgh. Vol. 55, Part 1, No. 7: The Igneous Geology of Ardsheal Hill, Argyllshire. By Frederick Walker. Pp. 147-157+1 plate. 1s. 9d. Vol. 55, Part 1, No. 8: On a Tetractyle in the Brain of the Minnow. By Prof. J. H. Ashworth and Janet C. W. Bannerman. Pp. 159-172+1 plate. 2s. Vol. 55, Part 1, No. 9: A Critical Examination of the Vitarieae with a View to their Systematic Comparison. By Dr. S. Williams. Pp. 173-217+3 plates. 6s. 6d. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)

Committee on Education and Industry in Scotland. First Report. Pp. 32. (London: H.M. Stationery Office.) 1s. net.

Proceedings of the Royal Society of Edinburgh, Session 1926-1927. Vol. 47, Part 1, No. 4: The Evaporation of Water and Salt Solutions from Surfaces of Stone, Brick and Mortar. By Principal A. P. Laurie and John Milne. Pp. 52-63+1 plate. 1s. 6d. Vol. 47, Part 1, No. 5: The Distribution of Intensity in the X-ray Spectra of the Normal Saturated Dicarboxylic Acids, their Diethyl, and Mono-Ethyl Esters. By Alexander R. Normand, John D. Ross and Edward Henderson. Pp. 69-80. 1s. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)

Department of Agriculture, Jamaica. Entomological Circular No. 12: Insecticides and Fungicides. By C. C. Gowdey. Pp. 12. (Jamaica: Government Printing Office, Kingston.)

Brighter Biochemistry: being the Illustrated Journal of the Biochemical Laboratory, Cambridge. No. 4, February. Pp. 46. (Cambridge: Sir William Dunn Institute.) 2s. 6d.

Proceedings of the Royal Physical Society for the Promotion of Zoology and other Branches of Natural History, Session 1925-26. Vol. 21, Part 2. Pp. 33-108. (Edinburgh: Oliver and Boyd.) 7s. 6d.

The Solar Eclipse of 1927: Catalogue of Books on Astronomy in the Wigan Public Libraries; together with a Note on the Total Eclipse of the Sun to take place on Wednesday, June 29th, 1927, and a Map showing the Area of West Lancashire under the Shadow. Compiled by Arthur John Hawkes. Pp. 14. (Wigan: Central Public Library.) 3d.

Journal of the Chemical Society: containing Papers communicated to the Society. February. Pp. iv+iv+281-331. (London: Gurney and Jackson.)

Memoirs of the Department of Agriculture in India. Veterinary Series, Vol. 3, No. 7: Experiments on the Treatment of Hookworm Infection in Dogs. By Amarnath Gulati. Pp. 167-185. 11 annas; 1s. 3d. Veterinary Series, Vol. 3, Nos. 8, 9: On the Occurrence of a Lung Fluke *Paragonimus edwardsi*, n.sp., in a Palm Civet (*Paradoxurus grayi*) in Kumaon Hills, by Amarnath Gulati; On the Occurrence of *Isospora* and *Balantidium* in Cattle, by Hugh Cooper and Amarnath Gulati. Pp. 187-193+2 plates. 4 annas; 6d. Chemical Series, Vol. 8, No. 12: A Study of Absorption of Moisture by Soils. By Dr. Jatindra Nath Sen and Bhailal Motibhai Amin. Pp. 235-253. 6 annas; 9d. Chemical Series, Vol. 9, No. 1: The Selection of Burma Beans (*Phaseolus lunatus*) for Low Prussic Acid Content. By J. Charlton. Pp. 36. 10 annas; 1s. Chemical Series, Vol. 9, No. 2: Bangalore Maintenance Experiments, First Series. By F. J. Warth. Pp. 37-61. 11 annas; 1s. 2d. (Calcutta: Government of India Central Publication Branch.)

The Journal of the Indian Mathematical Society. Edited by M. T. Naraniengar. Vol. 16, No. 12, December. Pp. 205-292+177-192. (Madras) 1 rupee.

Journal of the Indian Institute of Science. Vol. 9A, Part 7: Reactions of Chromates at High Temperatures. Part ii: The System $\text{CaO} \cdot \text{Cr}_2\text{O}_3 \cdot \text{O}_2$. By K. S. Nargund and H. E. Watson. Pp. 149-167. 1 rupee. Vol. 9A, Part 8: i, The Catalytic Hydrogenation of Carone, by Subramania Narayana Iyer and John Lionel Simonsen; ii, Connesine, by Darab Dinsha Kanga, Panchandana Ramaswami Ayyar and John Lionel Simonsen. Pp. 169-177. 8 annas. (Bangalore.)

Annals of the (Mededelingen van het) Transvaal Museum. Vol. 12, Part 1: Contributions to our Knowledge of the Dermoptera and Orthoptera of the Transvaal and Natal. By James A. G. Rehn. Part ii: Mantodea. Pp. 54+2 plates. (Cambridge: Printed at the University Press.)

The Welsh Journal of Agriculture: the Journal of the Welsh Agricultural Education Conference. Vol. 3. Pp. 357. (Cardiff: University of Wales Press Board.) 2s. 6d.

The Botanic Gardens, Singapore. Illustrated Guide. Pp. 67. (Singapore.) 1 dollar; 2s. 4d.

Ministry of Health. Report of the Departmental Committee on the Treatment of Flour with Chemical Substances. Pp. 24. (London: H.M. Stationery Office.) 6d. net.

Quarterly Journal of the Royal Meteorological Society. Edited by a Committee of the Council. Vol. 53, No. 221, January. Pp. 98. (London: Edward Stanford, Ltd.) 7s. 6d.

FOREIGN.

Department of the Interior: U.S. Geological Survey. Water-Supply Paper 550: Surface Water Supply of the United States, 1921. Part 10: The Great Basin. Pp. v+194+2 plates. 25 cents. Water-Supply Paper 555: Surface Water Supply of Hawaii, July 1, 1921, to June 30, 1922. Pp. iv+177. 20 cents. Water-Supply Paper 564: Surface Water Supply of the United States, 1923. Part 4: St. Lawrence River Basin. Pp. iv+171+3 plates. 25 cents. Water-Supply Paper 592: Surface Water Supply of the United States, 1924. Part 12: North Pacific Slope Drainage Basins. A: Pacific Basins in Washington and Upper Columbia River Basin. Pp. v+178+3 plates. 20 cents. Bulletin 758-A: Topographic Instructions of the United States Geological Survey. A: Administration. Compiled by H. M. Fryer. Pp. v+45. 10 cents. Professional Paper 187: The Fauna of the Ripley Formation on Coon Creek, Tennessee. By Bruce Wade. Pp. ii+272+72 plates. 1 dollar. Professional Paper 147-C: American Tertiary Mollusks of the Genus *Clementia*. By W. P. Woodring. (Shorter Contributions to General Geology, 1926.) Pp. ii+25-49+plates 14-17. (Washington, D.C.: Government Printing Office.)

Library of Congress. Report of the Librarian of Congress for the Fiscal Year ending June 30, 1926. Pp. vi+375+5 plates. (Washington, D.C.: Government Printing Office.)

Smithsonian Institution: United States National Museum. Bulletin 137: The Collection of Primitive Weapons and Armor of the Philippine Islands in the United States National Museum. By Herbert W. Krieger. Pp. iii+128+21 plates. (Washington, D.C.: Government Printing Office.) Jahrbuch der Zentralanstalt für Meteorologie und Geodynamik. Amtliche Veröffentlichung. Jahrgang 1922. Neue Folge, Band 69. Pp. xvi+A30+B39+C42+D3. (Wien: Gerold und Co.)

Publikationer fra det Danske Meteorologiske Institut. Aarbøger. Isforholdene i de Arktiske Have (The State of the Ice in the Arctic Seas) 1926. Pp. 34+5 maps. (København: G. E. C. Gad.)

Proceedings of the United States National Museum. Vol. 69, Art. 19: *Kentriodon perutz*, a Miocene Porpoise from Maryland. By Remington Kellogg. (No. 2645.) Pp. 55+14 plates. (Washington, D.C.: Government Printing Office.)

Proceedings of the Academy of Natural Sciences of Philadelphia. Vol. 78, 1926, Supplement: Synopsis of North American Diatomaceae. Part i: Coscinodisecatae, Rhizoselenatae, Biddulphiatae, Fragiliariatae. By Charles S. Boyer. Pp. 228. (Philadelphia, Pa.)

Proceedings of the Imperial Academy. Vol. 2, No. 10, December 1926. Pp. xxvii-xxviii+521-564+ix+ii. (Ueno Park, Tokyo.)

State of California: Fish and Game Commission. Twenty-ninth Biennial Report for the Years 1924-1926. Pp. 127. (Sacramento, Cal.)

Bernice P. Bishop Museum. Bulletin 29: Ancient Hawaiian Music. By Helen H. Roberts. Pp. 401+5 plates. Bulletin 30: Pyroclastic Geology of Oahu. By Chester K. Wentworth. Pp. iv+121+22 plates. Bulletin 31: Insects of Hawaii, Johnston Island and Wake Island. By E. H. Bryan, Jr., and collaborators. (Tanager Expedition, Publication No. 3.) Pp. 94. Bulletin 32: History and Traditions of Niue. By Edwin M. Loeb. Pp. iv+226+13 plates. Bulletin 33: The Products and Structure of Kilauea. By John B. Stone. Pp. 59+2 plates. Honolulu, Hawaii.)

Proceedings of the American Philosophical Society held at Philadelphia for Promoting Useful Knowledge. Vol. 65, No. 5. Pp. xv+381-385. (Philadelphia, Pa.)

Conference on the Future of the Smithsonian Institution, February 11, 1927. Pp. 40+7 plates. (Washington, D.C.: Smithsonian Institution.)

Reprint and Circular Series of the National Research Council. No. 72: A Bibliography of the Analysis and Measurement of Human Personality up to 1926. By Dr. Grace E. Manson. Pp. 59. 1 dollar. No. 73: List of Publications of the National Research Council and its Fellows and Partial List of Papers having their Origin in the Activities of its Committees to January 1, 1926. Pp. 70. 75 cents. No. 74: The Need for Scientific Research in the Fishing Industries. By Maurice Holland. Pp. 8. 15 cents. (Washington, D.C.: National Academy of Sciences.)

Bulletin of the National Research Council. Vol. 11, Part 2, No. 56: Transactions of the American Geophysical Union, Seventh Annual Meeting, April 29 and 30, 1926, Washington, D.C. Pp. 134. (Washington, D.C.: National Academy of Sciences.) 1.25 dollars.

Proceedings of the United States National Museum. Vol. 70, Art. 7: Notes on Cestode Parasites of Birds. By Edwin Linton. (No. 2656.) Pp. 73+15 plates. (Washington, D.C.: Government Printing Office.)

State of Connecticut: State Geological and Natural History Survey. Bulletin No. 36: The Uredinales or Rusts of Connecticut and the other New England States. By Dr. Willis Roberts Hunt. (Public Document N. 47.) Pp. 198. 1 dollar. Bulletin No. 37: Catalogue of the Lichens of Connecticut. By Prof. Alexander William Evans and Rose Meyrowitz. (Public Document No. 47.) Pp. 56. 60 cents. (Hartford, Conn.)

Department of Commerce: U.S. Coast and Geodetic Survey. Serial No. 364: Tides and Currents in South-east Alaska. By R. W. Woodworth and F. J. Haight. (Special Publication No. 127.) Pp. iv+149. (Washington, D.C.: Government Printing Office.) 25 cents.

Smithsonian Miscellaneous Collections. Vol. 78, No. 6: The Lyell and Freshfield Glaciers, Canadian Rocky Mountains, 1926. By Dr. J. Monroe Thornton. (Publication 2911.) Pp. 8+12 plates. (Washington, D.C.: Smithsonian Institution.)

Department of the Interior: Bureau of Education. Bulletin, 1926, No. 21: Record of Current Educational Publications; comprising Publications received by the Bureau of Education to October 1, 1926. Pp. 24. (Washington, D.C.: Government Printing Office.) 5 cents.

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. Maurain. Tome 4. Pp. iv+163. (Paris: Les Presses universitaires de France.)

The Royal Colonial Institute at Amsterdam: Origin, Scope and Future. By C. J. Hasselman. Translated from the Dutch by E. J. Labarre. Second, revised edition. Pp. 104. (Amsterdam.)

Department of Commerce: Bureau of Standards. Circular of the Bureau of Standards, No. 311: Stucco Investigations at the Bureau of Standards, with Recommendations for Portland Cement Stucco Construction. Pp. 34. (Washington, D.C.: Government Printing Office.) 15 cents.

Diary of Societies.

SATURDAY, APRIL 2.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Yorkshire District) (at Town Hall, Bradford), at 2.

INSTITUTION OF BRITISH FOUNDRYMEN (Lancashire Branch) (Annual General Meeting) (at College of Technology, Manchester), at 3.—At 4.—B. Hird: Absorbed Gases in Iron and the Creation of Gas Holes in the Casting.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: The Alpha Rays and their Application to Atomic Structure (3).

MONDAY, APRIL 4.

VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Rev. Dr. S. M. Zwemer: The Place of Woman in Islam.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting.