

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

## Great Britain and Ireland

- Proceedings of the Royal Irish Academy. Vol. 56, Section A, No. 4: A General Variational Principle for Dissipative Systems. By J. W. Herivel. Pp. 33-44. 1s. 6d. Vol. 56, Section B, No. 3: Fauna of Strangford Lough and Neighbouring Coasts. By G. Williams. Pp. 29-134. 10s. (Dublin: Hodges, Figgis and Co., Ltd. 1954.) [96]
- National Institute for Research in Dairying (University of Reading). Report, 1953. Pp. 138+1 plate. (Shinfield: National Institute for Research in Dairying, 1954.) 3s. [116]
- Philosophical Transactions of the Royal Society of London. Series A: Mathematical and Physical Sciences. No. 917, Vol. 246 (8 June 1954): Electronic Wave Functions. XI: A Calculation of Eight Variable Wave Functions for Cl, Cl<sup>-</sup>, S and S<sup>-</sup>. By S. F. Boys and V. E. Price. XII: The Evaluation of the General Vector-Coupling Coefficients by Automatic Computation. By S. F. Boys and R. C. Sahni. Pp. 451-479. 9s. No. 918, Vol. 246 (8 June 1954): Eddy Diffusion of Momentum, Water Vapour, and Heat near the Ground. By N. E. Rider. Pp. 481-501. 6s. 6d. (London: Cambridge University Press, 1954.) [116]
- Colonial Office. The Colonial Territories 1953-54. Pp. xii+196. (Cmd. 9169.) (London: H.M. Stationery Office, 1954.) 6s. net. [156]
- Fuel for the Nation: The Gas Industry's Programme. Pp. v+78 (13 plates). (London: Gas Council, 1954.) 1s. [156]
- British Commonwealth of Nations: Scientific Liaison Offices. B.C.S.O. (London). A Discussion on the Maintenance of Cultures by Freeze Drying. Pp. ii+48+1 plate. (London: H.M. Stationery Office, 1954.) 5s. net. [156]
- British Coal Utilisation Research Association. Annual Report, 1953. Pp. 64. (Leatherhead: British Coal Utilisation Research Association, 1954.) [156]
- The Bedfordshire Naturalist. (Journal of the Bedfordshire Natural History Society and Field Club.) No. 8: 1953. Pp. 46+4 plates. (Bedford: Bedfordshire Natural History Society and Field Club, 1953.) 5s. [156]
- The World of Oil: an Outline of a Major Industry. Pp. 36. (London: Petroleum Information Bureau, 1954.) [156]
- Corrosion Technology. Vol. 1, No. 4 (June 1954). (First issue as a separate journal.) Pp. ii+81-124+ii. (London: Leonard Hill, Ltd., 1954.) [156]
- Report of the Astronomer Royal to the Board of Visitors of the Royal Greenwich Observatory. Pp. 30. (Herstmonceux: Royal Greenwich Observatory, 1954.) [156]
- British Society for the Promotion of Vegetable Research. Fourth Annual Report, 1953. (Oct. 1952-Sept. 1953.) Pp. vii+46. (Wellesbourne, Warwick: National Vegetable Research Station, 1954.) [156]
- Council for the Preservation of Rural England: Sheffield and Peak District Branch. Annual Report, May 1954. Pp. 28 (2 plates). (Sheffield: Council for the Preservation of Rural England: Sheffield and Peak District Branch, 1954.) [156]
- Institution of Civil Engineers. Conference on the North Sea Floods of 31 January/1 February, 1953: a Collection of Papers presented at the Institution in December, 1953. Pp. 242+19 plates. (London: Institution of Civil Engineers, 1954.) 25s. [186]
- Memorandum of Gamma-Ray Sources for Radiography. Prepared by a Committee of the Non-destructive Testing Group (formerly the Industrial Radiology Group) of the Institute of Physics. Revised edition. Pp. 28. (London: Institute of Physics, 1954.) 3s. 6d. [186]
- Department of Scientific and Industrial Research. Memoirs of the Geological Survey. Special Reports on the Mineral Sources of Great Britain. Vol. 36: The Cambro-Ordovician Limestones and Dolomites of the Ord and Torran Areas, Skye, and the Kishorn Area, Ross-shire. By H. E. Wilson. Pp. iv+30. (London: H.M. Stationery Office, 1954.) 2s. 6d. net. [186]
- The Work of Aslib for the year ended December, 1953. Pp. 22. (London: Aslib, 1954.) [186]
- Association of Scientific Workers. Atomic Energy Progress Notes, Vol. 1: Pp. ii+19. 2s. 6d. Vol. 2: Pp. ii+23. 2s. (London: Association of Scientific Workers, 1953.) [186]
- Commonwealth Bureau of Pastures and Crops. List of Periodicals and Reports examined by the Commonwealth Bureau of Pastures and Field Crops. Pp. 20. (Hurley: Commonwealth Bureau of Pastures and Field Crops, 1954.) [186]
- Suggestions for the Legal Protection of Laboratory Animals Overseas. (Based on a Study of the British Cruelty to Animals Act, 1876, on the licences and certificates issued under the Act, and on the annual return *Experiments on Living Animals*, issued by the Home Office.) Pp. 8. (London: Universities Federation for Animal Welfare, 1954.) [186]
- Aero Research Technical Notes. Bulletin No. 137 (May, 1954): Machinery and Equipment (Part 2). For Use with Synthetic Resin Glues in the Woodworking Industries. Pp. 6. (Duxford: Aero Research, Limited, 1954.) [186]
- Scottish Marine Biological Association. Collected Reprints, 1953 (including the Annual Report 1952-53). Reprints 112-147. (Millport: Scottish Marine Biological Association, 1954.) [186]

## Other Countries

- Indian Forest Records (New Series). Entomology, Vol. 8, No. 8: On a Collection of Indian Ichneumonidae (Hymenoptera) in the Forest Research Institute, Dehra Dun. By Dr. S. N. Rao. Pp. ii+159-226. (Delhi: Manager of Publications, 1953.) 5 rupees 12 annas; 9s. [46]
- Annalen Van de Sterrewacht te Leiden, Deel 20. Dertiende Stuk: Discussion of 25 Variable Stars in a Region Around CPD-31° 5547. By P. Th. Oosterhoff and Miss J. A. Horikx. Prepared for publication by J. Ponsen. Veertiende Stuk: Ephemerides of Seventeen Variable Stars in the Constellation Monoceros. By F. Bertiau. Vijftiende Stuk: Discussion of Twenty-Six Short-Period Variable Stars in Scorpius and Corona Australis. By J. Ponsen. Pp. ii+345-380. (Leiden: Staatsdrukkerij- en Uitgeverijbedrijf, 1954.) [46]

- Bulletin of the Astronomical Institutes of the Netherlands. Vol. 12, No. 452 (May 14, 1954): The Spiral Structure of the Outer Part of the Galactic System Derived from the Hydrogen Emission at 21 cm. Wave Length. By H. C. van de Hulst, C. A. Muller and J. H. Oort. Pp. 117-150. (Leiden: Astronomical Institutes of the Netherlands, 1954.) [46]
- Somaliland Protectorate. Geological Survey. Mineral Resources Pamphlet No. 1: Gypsum-Anhydrite. Pp. 4. 1s. Annual Report of Geological Survey, 1952. (April 1952-March 1953.) (C.D. & W. Scheme D. 1626.) Pp. 13+2 maps. (Hargeisa, Somaliland Protectorate: Chief Secretary to the Government; London: Crown Agents for Overseas Governments and Administrations, 1954.) [46]
- Annals of the New York Academy of Sciences. Vol. 58, Art. 3: The Synthesis and Physical-Chemical Properties of New Aromatic Amides. By Martin Kuna and M. J. Kopac. Pp. 261-292. 1 dollar. Vol. 59, Part 1: Reserpine (Serpassil) and other Alkaloids of *Rauwolfia Serpentina*: Chemistry, Pharmacology, and Clinical Applications. By Frederick F. Yonkman and 34 Other Authors. Pp. 140. 3 dollars. (New York: New York Academy of Sciences, 1954.) [86]
- Growing Food for a Growing World: The Work of FAO 1952/53. Pp. v+38+12 plates. (Rome: Food and Agricultural Organization of the United Nations; London: H.M. Stationery Office, 1954.) [86]
- Merentutkimuslaitoksen Julkaisu, Havforskningsinstituttets Skrift. No. 153: Contribution to the Knowledge of the Range of Sea Level Variations in the North Baltic. By Eugenie Lisitzin. Pp. 20. No. 154: Die Eisverhältnisse in den Finnland Umgebenden Meeren in den Wintern. By Heikki Simojoki. Pp. 88. No. 155: Surface Temperature and Salinity Records Along the Coast of Finland, July 1940-June 1952. By Gunnar Granqvist. Pp. 106. No. 156: A Treatise on Severe Ice Conditions in the Central Baltic. By Erkki Palosuo. Pp. 130. No. 157: Vedenkorkeusarvoja 1947 ja 1948. By Ilmo Hela. Pp. 78. No. 158: A Study of Land Uplift at the Finnish Coast. By Ilmo Hela. Pp. 38. No. 159: Fysikalische und Chemische Verhältnisse in Beziehung zur Biologischen Aktivität im Wasser des Südwestlichen Schärenmeeres von Finnland. By Kurt Buch. Pp. 86. No. 160: The Time for Freezing and Ice Break-Up and the number of Ice-Days on the Finnish Coast in the Winters of 1934-53. Edited by Heikki Simojoki. Pp. 18. No. 161: On Internal Waves in the Northern Baltic. By Eugenie Lisitzin. Pp. 10. (Helsinki: Merentutkimuslaitoksen Havforskningsinstituttet, 1952, 1953 and 1954.) [86]
- Inter-American Tropical Tuna Commission. Bulletin, Vol. 1, No. 1: A Study of Opulations of the Anchoveta, *Cetengraulis mysticetus*, based on Meristic Characters. By Gerald V. Howard. Pp. 24. Vol. 1, No. 2: Some Aspects of the Dynamics of Populations Important to the Management of the Commercial Marine Fisheries. By Milner B. Schaefer. Pp. 25-56. (La Jolla, Calif.: Inter-American Tropical Tuna Commission, 1954.) [86]
- Index List: Current Scientific Literature. Vol. 1, No. 1, Cols. 1-28. (1 June 1954.) Pp. 16. (Published semi-monthly.) (New Delhi: National Scientific Documentation, 1954.) [86]
- Fisheries Research Board of Canada. Progress Reports of the Atlantic Coast Stations. No. 58 (April, 1954). Pp. 32 (Ottawa: Fisheries Research Board of Canada, 1954.) [86]
- Fisheries Research Board of Canada. Atlantic Biological Station, St. Andrews, N.B. Circular-General Series, No. 22: The Inshore Scallop Fishery of the Maritime Provinces. By J. S. MacPhail. Pp. 4. Circular-General Series, No. 23: Control of Eel-Grass in Oyster Culture Areas. By A. R. A. Taylor. Pp. 3. (Ottawa: Fisheries Research Board of Canada, 1954.) [86]
- Fondation Universitaire. Trente Troisième Rapport Annuel, 1952-1953. Pp. 143. (Bruxelles: Fondation Universitaire, 1954.) [116]
- East Africa High Commission. East African Industrial Research Board, Eleventh Annual Report, 1953. Pp. ii+11. (Nairobi: Government Printer, 1954.) [156]
- A Geological Reconnaissance of the Sedimentary Deposits of the Protectorate of British Somaliland. By the Somaliland Oil Exploration Company, Ltd. Pp. vii+42+3 maps. (Hargeisa: Chief Secretary: Somaliland Protectorate; London: Crown Agents for the Colonies, 1954.) 15s. [156]
- Publikationer fra det Danske Meteorologiske Institut, Charlottenlund. The State of the Ice in the Arctic Seas. Prepared by Helge Thomsen and Cmdr. M. V. L. Lørk, R.D.N.R. (Appendix to the Nautical-Meteorological Annual 1951.) Pp. 26+5 maps. (Charlottenlund: Trykt I Hørsholm Bogtrykkeri, 1954.) [156]
- Museum of Applied Science of Victoria. Report of Activities for the year ended 30th June, 1953. Pp. 12. (Melbourne: Museum of Applied Science of Victoria, 1954.) [186]
- United States Department of Agriculture. Circular No. 939: Estimation of Available Phosphorus in Soils by Extraction with Sodium Bicarbonate. By Sterling R. Olsen, C. V. Cole, Frank S. Watanabe and L. A. Dean. Pp. 19. 15 cents. Farmers' Bulletin No. 1886: Wireworms and their Control on Irrigated Lands. By M. C. Lane and M. W. Stone. Pp. 20. 15 cents. (Washington, D.C.: Government Printing Office, 1954.) [186]
- Annals of the New York Academy of Sciences. Vol. 57, Art. 6: Nutritional Factors and Liver Diseases. By Klaus Schwarz and 58 other Authors. Pp. 615-962. (New York: New York Academy of Sciences, 1954.) 4.50 dollars. [186]
- l'Institut pour l'Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture. (I.R.S.I.A.) Rapport Annuel, Exercice 1953. Pp. 203. (Bruxelles: l'Institut pour l'Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture, 1954.) [186]

## Catalogues

- Sturge Products. Pp. 17. (Birmingham: John and E. Sturge, Ltd., 1954.) [186]
- Nebro Photographic Equipment Catalogue, 1954. Pp. 96. (London: Neville Brown and Co., Ltd., 1954.) [186]
- Elliott News. No. 32 (May, 1954). Pp. 4. (Lewisham, London, S.E.13: Elliott Brothers (London), Ltd., 1954.) [186]
- Price List of Fine Chemicals for Analytical, Pharmaceutical, Photographic, Research and Technical Purposes: Standard Stains and Indicators. Pp. 256. (Chadwell Heath: Hopkin and Williams, Ltd., 1954.) [186]
- Catalogue of Microwave Instruments. (Gateshead: Scanners, Ltd., 1954.) [186]