

experimental work—The Secretary, National Vegetable Research Station, Wellesbourne, Warwick.

POSTDOCTORATE FELLOW IN THE DEPARTMENT OF PHYSICS, for work on electron resonance—The Registrar, University College of North Staffordshire, Keele, Staffs.

RESEARCH ASSISTANT (CHEMIST) IN THE DEPARTMENT OF CHEMICAL PATHOLOGY, for work on problems associated with steroid metabolism—The House Governor, St. Mary's Hospital, Paddington, London, W.2.

RESEARCH ASSISTANT (with a first- or second-class honours degree in chemistry with physiology in the final year of the honours degree) IN THE DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY—Clerk to the Governors, Chelsea College of Advanced Technology, Manresa Road, London, S.W.3.

SENIOR LECTURER (qualified to direct research) IN PHYSICS; a LECTURER (preferably with an interest in mycology, ecology or cytogenetics) IN BOTANY; and a LECTURER (preferably with qualifications in research) IN MATHEMATICS—The Clerk, Northern Polytechnic, Holloway, London, N.7.

SENIOR RESEARCH ASSISTANT (with a Ph.D. or appropriate research experience) IN THE PHYSICS DEPARTMENT—Prof. J. G. Wilson, Department of Physics, The University, Leeds 2.

TIMBER OPERATIONS OFFICER (under 50 years of age, with a university degree in forestry with at least three years practical experience in the control of timber exploitation on a large scale) in the Southern Cameroons, for the administration and management of all timber operations—The Director of Recruitment, Colonial Office, London, S.W.1, quoting BCD.61/603/02/T.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Ciba (A.R.L.), Limited. Technical Notes No. 210 (June, 1960) Strip Heating, Part 2 (Conclusion). Pp. 6. (Duxford: Ciba (A.R.L.), Limited, 1960.) [187]

The Church Information Office. Both Old and New: Fourteenth Report of the Central Council for the Care of Churches. Pp. 7+14 plates. (London: Church Information Office, 1960.) 3s. 6d. [187]

Ministry of Power. Reports of H.M. Inspectors of Mines and Quarries under the Mines and Quarries Act 1954, for 1959. Scottish Division. By H. Hyde. Pp. iv+47+3 plates. (London: H.M. Stationery Office, 1960.) 3s. 6d. net. [187]

The Grassland Research Institute. Experiments in Progress No. 12. Annual Report for 1958-1959. Pp. 112. 7s. 6d. The Development and Work of the Grassland Research Institute. By William Davies. Pp. ii+31+4 plates. (Hurley, near Maidenhead: Grassland Research Institute, 1960.) [187]

The Chemical Society. Special Publication No. 14: Handbook for Chemical Society Authors. Pp. vii+224. (London: Chemical Society, 1960.) 21s. 3 dollars. [117]

Annual Report of the Yorkshire Philosophical Society for the year 1959. Pp. 15. (York: Yorkshire Philosophical Society, 1960.) [117]

Government of Northern Ireland: Ministry of Agriculture. Leaflet No. 145: Chemical Weed Control in Horticulture. Pp. 25. (Belfast: Ministry of Agriculture, 1960.) [117]

Scotland. Western Regional Hospital Board: Regional Physics Department. Annual Report of the Regional Physicist for the year 1959. Pp. ii+62. (Glasgow: Western Regional Hospital Board, Physics Department, 1960.) [127]

The Council for Nature. Nature and Conservation in East Anglia. Pp. 16. (London: The Council for Nature, 1960.) [127]

Bulletin of the British Museum (Natural History). Botany, Vol. 2, No. 8: On the Geographical Relationships of the Angiosperm Flora of New Guinea. By Ronald Good. Pp. 203-226. 10s. Historical.

Vol. 2, No. 4: Darwin's Notebooks on Transmutation of Species. Part 3: Third Notebook, July 15th 1838—October 2nd 1838. Edited with an Introduction and Notes by Sir Gavin de Beer. Pp. 119-150. 12s. (London: British Museum (Natural History), 1960.) [197]

United Kingdom Atomic Energy Authority. Sixth Annual Report for the period 1st April, 1959—31st March, 1960. Pp. vi+72+4 plates. 5s. net. Atom 1960: an Illustrated Summary of the Sixth Annual Report from 1st April 1959 to 31st March 1960 of the United Kingdom Atomic Energy Authority, with some additional material to 1st July 1960. Pp. 34. 2s. 6d. net. (London: H.M. Stationery Office, 1960.) [197]

Imperial College of Science and Technology. Telecommunication as a Social Science: Inaugural Lecture, 3 November 1959. By Dr. Colin Cherry. Pp. 105-124. 4s. 6d. Physiology Has No Frontiers: Inaugural Lecture, 1 December 1959. By Prof. H. K. Porter. Pp. 125-137. 5s. Superficial Chemistry and Solid Imperfections: Inaugural Lecture, 2 February 1960. By Prof. F. C. Tompkins. Pp. 139-148. 5s. (London: Imperial College of Science and Technology, 1960. Distributed by The Modern Book Co., Ltd., 19 Praed Street, London, W.2.) [197]

### Other Countries

Union of South Africa: Department of Commerce and Industries, Division of Fisheries Investigations Report No. 41: The Biology of Guano-Producing Sea-Birds—The Distribution, Abundance and Feeding Habits of the Cape Penguin, *Spheniscus demersus*, off the South-Western Coast of the Cape Province. By R. W. Rand. Pp. 28. (Reprint from *Commerce and Industry*). (Pretoria: Government Printer, 1960.) [117]

European Productivity Agency, O.E.E.C. O.E.E.C. Standard Code and Test Bulletin for Agricultural Tractors. Pp. 37. (Documentation, 1959 Series, Food and Agriculture, No. 20.) (Project No. 251/4.) (Paris: European Productivity Agency, Organization for European Economic Co-operation; London: H.M. Stationery Office, 1960.) 2 NF.; 3s.; 0.50 dollars; 2 Swiss francs; 1.70 D.M. [117]

Smithsonian Contributions to Astrophysics, Vol. 8, No. 9: Geodetic Users of Artificial Satellites. By George Veis. Pp. iv+95-161. 65

cents. Vol. 4, No. 1: Catalog of Hourly Meteor Rates. By Charles P. Olivier. Pp. ii+1-14. 15 cents. (Washington, D.C.: Government Printing Office, 1960.) [117]

United States Department of Commerce: Weather Bureau. Technical Paper No. 38: Generalized Estimates of Probable Maximum Precipitation for the United States West of the 105th Meridian for Areas to 400 Square Miles and Durations to 24 Hours. Pp. iii+66. (Washington, D.C.: Government Printing Office, 1960.) 1 dollar. [117]

Publications de l'Institut National pour l'Etude Agronomique du Congo Belge. Série Scientifique No. 85: Recherches Taxonomiques et Caryologiques chez quelques Espèces du Genre *Hevea*. Par J. Bouharmont. Pp. 64+13 photographs. (Bruxelles: Institut National pour l'Etude Agronomique du Congo Belge, 1960.) 100 francs. [117]

Smithsonian Miscellaneous Collections, Vol. 139, No. 11: A Classification for the Birds of the World. By Alexander Wetmore. Pp. i+37. (Publication No. 4417). (Washington, D.C.: Smithsonian Institution, 1960.) [117]

United States Department of the Interior: Fish and Wildlife Service. Bureau of Sport Fisheries and Wildlife. Statistical Digest No. 46: Propagation and Distribution of Food Fishes for the calendar years 1957 and 1958. Prepared by the Branch of Fish Hatcheries. Pp. ii+46. (Washington, D.C.: Government Printing Office, 1960.) 20 cents. [117]

*Neue Physik*, Doppelheft 4/5 (1959): Das Atommodell der Photonentheorie: Die Verhältnisse in der Elektronenhülle und die Spektralenergie, Der Aufbau des Atomkerns und die Kernkräfte. Von K. Nowak. Pp. 113-176. (Wien: *Neue Physik*, Mollardgasse 8, 1960.) 24 schillings; 4 D.M. [127]

Geological Society of South Africa. Transactions and Proceedings of the Geological Society of South Africa, Vol. 62, January-December 1959. Edited by E. Mendelsohn, H. J. Nel and D. J. L. Visser. Pp. iii+397+clxix+30 plates. Annexure to Vol. 62, 1959: Sand—Its Origin, Transportation, Abrasion and Accumulation. By Ph. H. Kuenen. (Alex L. du Toit Memorial Lectures, No. 6). Pp. i+33+8 plates. (Johannesburg: Geological Society of South Africa, 1959.) Transactions and Annexure. £5 5s. [197]

World Power Conference Sixth Plenary Meeting, Melbourne, October 20th-26th, 1962—Technical Programme. Pp. 20. (Melbourne: Australian National Committee of the World Power Conference, 1960.) [197]

United States Department of the Interior: Geological Survey. Bulletin 1058-E: Geology and Ore Deposits of Northwestern Chichagof Island, Alaska. By Darwin L. Rossman. Pp. iv+139-216+plates 12-16. Bulletin 1071-H: Igneous and Tectonic Structures of the Stillwater Complex, Montana. By W. R. Jones, J. W. Peoples, and A. L. Howland. Pp. iv+281-340+plates 23-31. Bulletin 1106-E: Index to Geophysical Abstracts, 176-179. By Dorothy B. Vitaliano and others. Pp. ii+533-621. 35 cents. Bulletin 1112-C: Some Geologic Features of the Pima Mining District, Pima County, Arizona. By John E. Cooper. Pp. iv+63-103+plates 1-5. (Washington, D.C.: Government Printing Office, 1960.) [197]

United States Department of the Interior: Geological Survey. Water-Supply Paper 1312: Compilation of Records of Surface Waters of the United States through September 1950. Part 8: Western Gulf of Mexico Basins. Prepared under the direction of J. V. B. Wells. Pp. v+633+1 plate. Water-Supply Paper 1543-E: Storage and Flood Routing. By R. W. Carter and R. G. Godfrey. (Manual of Hydrology, Part 3: Flood-Flow Techniques). Pp. iv+81-104. 15 cents. Water-Supply Paper 1555: Surface Water Supply of the United States, 1958. Part 3-A: Ohio River Basin except Cumberland and Tennessee River Basins. Prepared under the direction of J. V. B. Wells. Pp. xii+574. Water-Supply Paper 1557: Surface Water Supply of the United States, 1958. Part 4: St. Lawrence River Basin. Prepared under the direction of J. V. B. Wells. Pp. x+394. Water Supply Paper 1565: Surface Water Supply of the United States, 1958. Part 11: Pacific Slope Basins in California. Prepared under the direction of J. V. B. Wells. Pp. xiv+681. 2.25 dollars. (Washington, D.C.: Government Printing Office, 1960.) [197]

United States Department of Commerce: National Bureau of Standards. Monograph No. 14: Bibliography on Molecular and Crystal Structure Models. By Deane K. Smith. Pp. iv+7. (Washington, D.C.: Government Printing Office, 1960.) 15 cents. [197]

United States Department of the Interior: Geological Survey. Professional Paper 315-D: Stratigraphy of Pennsylvanian and Lower Permian Rocks in Brown and Coloman Counties, Texas. By D. Hove Eargle. Pp. iii+55-77+plates 25-30. Professional Paper 333: The Foraminiferal Genus *Orbitolina* in North America. By Raymond C. Douglass. Pp. iv+52+plates 1-14. 1.50 dollars. Professional Paper 334-C: Trilobites of the Upper Cambrian Dunderberg Shale, Eureka District, Nevada. By Allison R. Palmer. Pp. iii+53-109+plates 4-11. 65 cents. Professional Paper 351: Mode of Flow of Saskatchewan Glacier, Alberta, Canada. By Mark F. Meier. Pp. ix+70+9 plates. (Washington, D.C.: Government Printing Office, 1960.) [197]

Bulletin of the American Museum of Natural History, Vol. 119, Article 4: Permian Gastropoda of the Southwestern United States. 3: Bellerophonacea and Patellacea. By Ellis L. Yochelson. Pp. 205-294+plates 46-57. (New York: American Museum of Natural History, 1960.) 8 dollars. [197]

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