

sloping land, particularly effects of forces arising from slopes on motion of machines—The Secretary, National Institute of Agricultural Engineering, Scottish Station, Bush Estate, Penicuik, Midlothian, Scotland.

SENIOR RESEARCH ASSOCIATE IN THE SCHOOL OF CHEMISTRY for research into reaction mechanisms in boron chemistry—The Registrar, The University, Newcastle upon Tyne, 2.

TECHNICAL ASSISTANT (female, 20 or over, with advanced level G.C.E. in physics and mathematics, or the equivalent) in THE PHYSICS DEPARTMENT, for duties concerned with the medical application of radioactive isotopes, and training will be given in the specialized techniques involved—The Secretary, The Royal Infirmary, Leicester.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

- Electrical Research Association. Report No. 5059: Dielectric Losses in Polymer Films Formed by a Discharge. By M. Stuart. Pp. 5+5 figures. (Leatherhead: Electrical Research Association, 1964.) 7s. 6d. [147]
- Department of Scientific and Industrial Research. Report of the Research Council for the year 1963. Pp. iv+66. (Cmnd. 2394.) (London: H.M. Stationery Office, 1964.) 4s. 6d. net. [147]
- Fourth Annual Report of the Council of the Institute of Physics and the Physical Society, 1963. Pp. 26. (London: Institute of Physics and the Physical Society, 1964.) [147]
- General Register Office. The Registrar General's Quarterly Return for England and Wales: Births, Deaths and Marriages; Infectious Diseases; Weather; Population Estimates, Quarter ended 31st March, 1964. (No. 461, 1st Quarter, 1964.) Pp. 28. (London: H.M. Stationery Office, 1964.) 2s. 6d. net. [147]
- Henry Wiggin and Co., Ltd. Hot-Working Tools in Nimonic and Nimcast Alloys. Pp. 8. (London: Henry Wiggin and Co., Ltd., 1964.) [147]
- The Grassland Research Institute. Experiments in Progress No. 16: Annual Report for 1962-63. Pp. 100+4 plates. (Hurley, near Maidenhead: The Grassland Research Institute, 1964.) 10s. [147]
- Department of Scientific and Industrial Research. Building Research 1963: The Report of the Building Research Board with the Report of the Director of Building Research. Pp. iv+99+16 plates. (London: H.M. Stationery Office, 1964.) 8s. 6d. net. [147]
- British Chemicals and their Manufacturers—1964 Supplement. Pp. 32. (London: Association of British Chemical Manufacturers, 1964.) [147]
- Committee of Privy Council for Medical Research. Report of the Medical Research Council for the year 1962-1963. Pp. viii+280+3 plates. (Cmnd. 2382.) (London: H.M. Stationery Office, 1964.) 16s. 6d. net. [147]
- British Radio Valve Manufacturers' Association. British Valve and Semiconductor Industry. Second edition. Pp. 8. (London: B.V.A., 156 Oxford Street, 1964.) [147]
- The South Yorkshire Glass Industry. By Geoffrey D. Lewis. Pp. 4+2 plates. (Sheffield: The City Museum, 1964.) 6d. [147]
- An Introduction to the Work of the British Steel Castings Research Association. Pp. 24. (Sheffield: The British Steel Castings Research Association, 1964.) [147]
- Department of Scientific and Industrial Research: National Physical Laboratory. Notes on Applied Science. No. 12: Calibration of Temperature Measuring Instruments. By J. A. Hall and C. R. Barber. Third edition. Pp. iv+55. (London: H.M. Stationery Office, 1964.) 4s. 6d. net. [147]
- Furniture Development Council. Fifteenth Annual Report for the year ended 31st December, 1963. Pp. 12. (Stevenage: Furniture Development Council, 1964.) [147]
- The Scientific Proceedings of the Royal Dublin Society. Series A. Vol. 1, No. 15 (May 5, 1964): Irish Salmon—a Review of Investigations up to 1963. By Arthur E. J. Went. Pp. 365-412. 12s. Vol. 2, No. 1 (April 30, 1964): Compartment Deformation near Buttevant, County Cork, Ireland, and Its Relation to the Variscan Thrust Front. By M. E. Philcox. Pp. 1-12+1 plate. 4s. 6d. Vol. 2, No. 2 (April 30, 1964): The Geological Structure of North County Cork, Ireland. By R. A. Monkhouse. Pp. 13-20+plate 2. 4s. Series B. Vol. 1, No. 11 (April 24, 1964): Evaluation of Tick Beans (*Vicia faba* L.) as a Protein Supplement in Pig Feeding. By F. X. Aherne and Prof. D. M. McAleese. Pp. 113-122. 3s. (Dublin: The Royal Dublin Society, 1964.) [147]
- Department of Scientific and Industrial Research. Torry Research Station Annual Report on the Handling and Preservation of Fish and Fish Products: Report of the Torry Research Station Steering Committee and Report of the Director of the Torry Research Station. Pp. iv+51+4 plates. (London: H.M. Stationery Office, 1964.) 4s. 6d. net. [147]
- Review of Coal Tar Technology, July-December 1964. Vol. 15, Part 2. Pp. ii+79-149. (Gomersal, Leeds: The Coal Tar Research Association, 1964.) 30s. per volume. [147]
- The Lister Institute of Preventive Medicine. Report of the Governing Body 1964. Pp. 37. (London: The Lister Institute of Preventive Medicine, 1964.) [147]

### Other Countries

- Coconut Research Institute, Ceylon. Bulletin No. 21: Biological Control of Coconut Leaf Caterpillar (*Nephantia serinopa* Meyrick) in Ceylon. By Edwin Dharmaraju. Pp. 46. Cumulative Index to *Ceylon Coconut Quarterly*. Author and Subject, Volumes 1-10, 1954-1959. Compiled by M. J. C. Perera. Pp. 13. (Lunuwila: Coconut Research Institute, 1963.) [256]
- Mutation Research*, Vol. 1, No. 1 (May 1964). Pp. 1-112. Published bi-monthly. Annual subscription 130s.; 65 D.fl.; 18 dollars. (Amsterdam: Elsevier Publishing Company, 1964.) [256]
- Annales de l'Institut de Physique du Globe de l'Université de Paris et du Bureau Central de Magnétisme Terrestre, Tome 31. Pp. 197. (Paris: Institut de Physique du Globe de l'Université de Paris, 1963.) [256]
- South African Council for Scientific and Industrial Research: National Building Research Institute. Proceedings of the Building Research Symposium, 16-17 May 1963, Red Cross Hall, Windhoek; (Theme: Building Research and Its Significance to South West Africa). Pp. v+129. Urban Bantu Townships. By C. Tod Welch. Pp. 17. (Supplement to S.A. *Architectural Record*, December, 1963). C.S.I.R. Research Report No. 193: Komprehensiewe Hoërskool vir 1,200 Leerlinge: Aanbevelings van die Skoolgeboukomitee. (1,200-Pupil Comprehensive High School: Recommendations of the School Buildings Committee.) Pp. 48. C.S.I.R. Research Report No. 209: School Lighting. Pp. iv+47. (Pretoria: South African Council for Scientific and Industrial Research, 1963 and 1964.) [256]
- Museum of Comparative Zoology, Harvard University, Breviora. No. 206 (April 10, 1964): An Anguid Lizard from the Leeward Islands. By Garth

Underwood. Pp. 10. No. 201, (April 10, 1964): Food Habits and Young Stages of North Atlantic *Alepisaurus* (Pisces, Iniom). By Richard L. Haedrich. Pp. 15, No. 202, (April 10, 1964): The Blind Snakes (*Typhlops*) of Haiti with Descriptions of Three New Species. By Neil D. Richmond. Pp. 12. No. 203, (April 10, 1964): A New Capromyid Rodent from the Quaternary of Hispaniola. By Clayton E. Ray. Pp. 4. No. 204, (May 15, 1964): The Status of *Pseudogekko shebae* and Observations on the Geckos of the Solomon Islands. By Walter C. Brown. Pp. 8. (Cambridge, Mass.: Museum of Comparative Zoology, Harvard University, 1964.) [256]

Bulletin of the Museum of Comparative Zoology, Harvard University. Vol. 131, No. 3: American Spiders of the Genus *Phoronocida* (Araneae: Theridiidae). By Herbert W. Levi. Pp. 65-86. Vol. 131, No. 4: The Brachiac of the Paleozoic Elasmobranch *Tamiobatis*. By Alfred Sherwood Romer. Pp. 87-105+1 plate. Vol. 131, No. 5: The Taxonomic Status of *Heptaxodon* and Dental Ontogeny in *Elasmodontomys* and *Amblyrhiza* (Rodentia: Caviomorpha). By Clayton E. Ray. Pp. 107-127. Vol. 131, No. 6: The Skeleton of the Lower Carboniferous Labyrinthodont *Pholidogaster pisciformis*. By Alfred Sherwood Romer. Pp. 129-159+1 plate. (Cambridge, Mass.: Museum of Comparative Zoology, Harvard College, 1964.) [256]

Transactions of the Royal Society of New Zealand. Zoology, Vol. 4, No. 4, (March 26, 1964): Distribution of *Amphibola crenata* (Pulmonata) in the Dunedin Area, with Notes on the Probable Origin of the Species. By P. A. Watters. Pp. 117-134. Vol. 4, No. 5, (March 20, 1964): The North Otago Shelf Fauna. Part 4: Chordata—Classes Reptilia, Aves, Mammalia. By John Graham. Pp. 135-138. Vol. 4, No. 6, (March 19, 1964): Regeneration of Appendages in Some New Zealand Wetas (Insecta: Orthoptera). By G. W. Ramsay. Pp. 139-144. Vol. 4, No. 7, (March 20, 1964): A New Crab of the Genus *Trichopeltaria* from New Zealand. By L. R. Richardson and R. K. Dell. Pp. 145-152. Vol. 4, No. 8, (March 23, 1964): The Occurrence of *Lepeophtheirus insignis* Wilson (Copepoda: Parasitica) in New Zealand Waters and Its Relationship to *L. molae* Hoegaard. By G. C. Hewitt. Pp. 155-156+2 plates. Vol. 4, No. 9, (March 20, 1964): The Postchalarid Development of *Lepeophtheirus polyprioni* Hewitt, 1963, (Copepoda: Caligidae). By G. C. Hewitt. Pp. 157-160. Vol. 4, No. 10, (March 23, 1964): Regional Variation in Riblet Frequency in the *Ptychodon* (*Ptychodon*) *hectori-humanaensis* Complex, (Mollusca: Charopidae). By R. A. Cumber. Pp. 161-166. (Wellington: The Royal Society of New Zealand, 1964.) [256]

Transactions of the Royal Society of New Zealand. Vol. 4, No. 11, (March 20, 1964): Land Snails from Subantarctic Islands. By R. K. Dell. Pp. 167-174. Vol. 4, No. 12, (March 19, 1964): Studies on the Biology of the Red-finned Bully *Gobiomorphus huttoni* (Ogilby). Part 1: Habitat and Species Inter-Relationships. By R. M. McDowall. Pp. 175-182. Vol. 4, No. 13, (March 23, 1964): Some Common Species of *Apanteles* Occurring in New Zealand with a Catalogue of Australian and New Zealand Species of the Genus *Apanteles* Foerster. By Arthur W. Parrott. Pp. 183-194. Vol. 4, No. 14, (March 30, 1964): Notes on *Metacrias strategica* (Meyrick). By Lindsay L. Wilkinson. Pp. 195-200. Vol. 4, No. 15, (April 17, 1964): Oligocene Echinoids from Trelissic Basin, New Zealand. By H. Barracough Fell. Pp. 201-206+4 plates. Botany. Vol. 2, No. 18, (March 26, 1964): The Fungal Association in a Colony of *Gastrodia sesamoides* R.Br. By Ella O. Campbell. Pp. 237-246. (Wellington: The Royal Society of New Zealand, 1964.) [256]

United States Department of the Interior: Geological Survey. Geophysical Abstracts, No. 208, May 1964. By James W. Clarke, Dorothy B. Vitaliano, Virginia S. Neuschel, and others. Pp. iii+345-428. 35 cents. Geophysical Abstracts, No. 209, June 1964. By James W. Clarke, Dorothy B. Vitaliano, Virginia S. Neuschel, and others. Pp. iii+429-517. 35 cents. Bulletin 1129: Geology of Lost River Mine Area, Alaska. By C. L. Sainsbury. Pp. v+80+plates 1-10. Bulletin 1133-D: Infiltration and Permeability of Weathered Crystalline Rocks, Georgia Nuclear Laboratory, Dawson County, Georgia. By J. W. Stewart. Pp. iv+59+plates 1-7. Bulletin 1141-J: Geology of the French Gulch Quadrangle, Shasta and Trinity Counties, California. By John P. Albers. Pp. iv+70+plates 1 and 2. Bulletin 1141-K: Geology of the Eureka Quadrangle, Utah and Juab Counties, Utah. By Hal T. Morris. Pp. iv+29+plate 1. Bulletin 1158-C: Bedrock Geology of the Wickford Quadrangle, Rhode Island. By Roger B. Williams. Pp. iii+15+plate 1. Bulletin 1163-A: Bedrock Geology of the Salem Quadrangle and Vicinity, Massachusetts. By Priestley Roulmin, III. Pp. v+79+plate 1. Bulletin 1167: Talc Resources of the United States. By A. H. Chidester, A. E. J. Engel and L. A. Wright. Pp. v+61+plates 1-7. Bulletin 1170: Systematic Analysis of Silicates. By Lee C. Peck. Pp. iv+89+plates 1-4. Bulletin 1181-G: Reconnaissance Petrographic Cross Section of the Idaho Batholith in Adams and Valley Counties, Idaho. By Dwight L. Schmidt. Pp. iv+50+plates 1 and 2. (Washington, D.C.: Government Printing Office, 1964.) [147]

United States Department of the Interior: Geological Survey. Water Supply Paper 1499-H: Water Resources of the Hartford-New Britain Area, Connecticut. By R. V. Cushman, D. Tanski and M. P. Thomas. Pp. vi+96+plates 1 and 2. Water-Supply Paper 1669-D: Hydrogeology of the Huntington-Smithtown Area, Suffolk County, New York. By E. R. Lubke. Pp. iv+68+plates 1-6. Water-Supply Paper 1669-U: Ground Water Resources of Waupaca County, Wisconsin. By C. F. Berkstrasser, Jr. Pp. iv+38+plates 1-4. Water Supply Paper 1687: Magnitude and Frequency of Floods in the United States. Part 12: Pacific Slope Basins in Washington and Upper Columbia River Basin. By G. L. Bodhaine and D. M. Thomas. Pp. xiii+337+plates 1-5. Water-Supply Paper 1778: Ground-Water Resources in Southern Oahu, Hawaii. By F. N. Fisher and J. F. Mink. Pp. vii+133+plate 1. (Washington, D.C.: Government Printing Office, 1964.) [147]

### Editorial and Publishing Offices of "NATURE"

MACMILLAN (JOURNALS) LIMITED

ST. MARTIN'S STREET, LONDON, W.C.2

Telephone Number: Whitehall 0081. Telegrams: Phisus London W.C.2

Annual subscription: Inland £13, Overseas £13 15s., payable in advance, postage paid to any part of the world.

Advertisements only should be addressed to

T. G. Scott & Son, Ltd., 1 Clement's Inn, London, W.C.2.

Telephone Number: Holborn 4743

Registered as a newspaper at the General Post Office  
Copyright © Macmillan (Journals) Limited, August 29, 1964