

# Reports and Publications

## UK & Ireland—May

Science Policy Research Unit. Annual Report 1976. Pp. 68. (Falmer, Brighton: SPRU, University of Sussex, 1977.) [25]

The British Institute of Radiology. Annual Report and Accounts, 1976. Pp. 16. (London: The British Institute of Radiology, 32 Welbeck Street, W1, 1977.) [25]

Medical Research Council. Review of Dental Research: a Report by the MRC Dental Committee. Pp. 58. (London: MRC, 20 Park Crescent, W1, 1977.) [25]

National Radiological Protection Board. NRPB-R58: A Revised Oceanographic Model to Calculate the Limiting Capacity of the Ocean to Accept Radioactive Waste. By G. A. M. Webb and P. D. Grimwood. Pp. 19. (Harwell, Didcot, Oxon: National Radiological Protection Board, 1976.) [25]

Conservation and Metallurgical Process Design. By Herbert H. Kellogg. (Thirteenth Sir Julius Wernher Memorial Lecture of the Institution of Mining and Metallurgy.) Pp. 11. (London: The Institution of Mining and Metallurgy, 44 Portland Place, W1, 1977.) [25]

The Welfare of Laboratory Animals: Legal, Scientific and Humane Requirements. (Proceedings of a Symposium organized by The Universities Federation for Animal Welfare, The British Laboratory Animals Veterinary Association, and the Laboratory Animal Science Association, 30th September and 1st October, 1976.) Pp. 131. (Potters Bar, Herts: The Universities Federation for Animal Welfare, 1977.) [45]

World Energy Conference. Symposium—Conservation Commission Review and African Energy Prospects, held in Abidjan, Ivory Coast on the 12th October, 1976, on the occasion of the meeting of the International Executive Council. Pp. 84. (London: World Energy Conference, 34 St. James's Street, SW1, 1977.) [45]

European Brewery Convention. Report of their Barley Committee: Field Trials 1972 (Malting 1973). Pp. ii + 284. (Cambridge: National Institute of Agricultural Botany, 1977.) [55]

Philosophical Transactions of the Royal Society of London. B: Biological Sciences. Vol. 278, No. 962: A Discussion on Resource Development in Semi-Arid Lands. Organized by Sir Josephy Hutchinson, FRS., A. H. Bunting, A. R. Jolly and H. C. Pereira, FRS. Pp. 437-6144 2 plates. (London: The Royal Society, 1977.) UK £10.60; Overseas £11.10. [55]

Department of the Environment. Government Response to the Yorkshire and Humberside Regional Strategy Review 1975—The Next Ten Years. Pp. 19. (London: Department of the Environment, 2 Marsham Street, SW1, 1977.) [65]

No. 10 Downing Street. (Department of the Environment.) Pp. 12. (London: HMSO, 1977.) 50p net. British National Bibliography. Research Fund Report No. 1: The Reading Habits of Adults—a Select Annotated Bibliography by Margaret Mann. Pp. 72. (London: Publications Officer, British Library Research and Development Department, Sheraton House, Gt. Chapel Street, W1, 1977.) £5.95 (cash with order). [95]

Philosophical Transactions of the Royal Society of London. A: Mathematical and Physical Sciences. Vol. 285, No. 1327: The Moon—a New Appraisal from Space Missions and Laboratory Analyses. Pp. 1-606. (London: The Royal Society, 1977.) UK £36.50; Overseas £37.50. [95]

Tetrahedron Reports. No. 20: The Molecules R<sub>2</sub>CXCR<sub>2</sub> Including Azomethine, Carbonyl and Thio-carbonyl Ylides. Their Syntheses, Properties and Reactions. By Richard M. Kellogg. Pp. 20. £4.95. No. 21: Synthetic Uses of Anodic Substitution Reactions. By Lennart Ebersson and Klas Nyberg. Pp. 22. £4.95. No. 22: An Empirical Analysis of the Circular Dichroism of Chiral Olefins. By John Hudea and David N. Kirk. Pp. 32. £4.95. No. 23: Structure and Reactivity of Cycloimmonium Ylides. By G. Spataneanu, J. P. Cateau, P. Karafiloglou and A. Lablache-Combier. Pp. 17. £4.95. No. 24: The Mechanism of Epoxidation of Olefins by Peroxides. By V. G. Dryuk. Pp. 12. £4.95. No. 25: Ketone Enolates: Regiospecific Preparation and Synthetic Uses. By Jean d'Angelo. Pp. 12. £4.95. (Oxford and New York: Pergamon Press, 1977.) [105]

Broadcasting to a Community in Conflict—the Experience in Northern Ireland. By Richard Francis. (Lecture given at the Royal Institute of International Affairs, Chatham House, 22 February 1977.) Pp. 16. (London: BBC, 1977.) [115]

Department of the Environment. Environmental Standards: a Description of United Kingdom Practice. (The Report of an Inter-Departmental Working Party. Pollution Paper No. 11.) Pp. v + 30. (London: HMSO, 1977.) 75p net. [125]

Department of Health and Social Security. Health and Personal Social Services Statistics for England (with summary tables for Great Britain), 1976. Pp. 200. (London: HMSO, 1977.) £5.50 net. [135]

Mazingira, the World Forum for Environment and Development. No. 1, 1977. Published quarterly. Pp. 1-98. Annual Subscription: \$10; Single copies \$2.50. (Oxford: Robert Maxwell, Pergamon Press, 1977.) [135]

Evaluation in Education: International Progress, Vol. 1, No. 1, 1977. Edited by Dr. Bruce H. Choppin and Dr. T. Neville Postlethwaite. Pp. 1-72. (Oxford and New York: Pergamon Press, 1977.) £4.50. [135]

Mullard Research Laboratories. Annual Review 1976. Pp. 52. (Redhill, Surrey: Mullard Research Laboratories, Cross Oak Lane, 1977.) [135]

Nuclear Power and the Environment. (Comments on the Royal Commission Report on Environmental

Pollution.) Pp. 16. (London: The Institution of Professional Civil Servants, Northumberland Street, WC2, 1977.) [135]

Proceedings of the Royal Irish Academy. Section A: Mathematical and Physical Sciences. Vol. 77, A, No. 1: Asymptotic Linearity and Nonlinear Eigenvalue Problems II. By J. F. Toland. Pp. 1-12. 96p. Vol. 77, A, No. 2: Diffusion Equation Study of Rotational Brownian Motion. By J. McConnell. Pp. 13-30. £1.80. Section B: Biological, Geological and Chemical Sciences. Vol. 77, B, No. 2: A Re-Appraisal of Some Ordovician Successions in Eastern Ireland. By P. J. Brechley, J. C. Harper, W. I. Mitchell and M. Romano. Pp. 65-85 + 1 plate. £1.23. Vol. 77, B, No. 3: A Comparison between *In situ* Photosynthetic Rates Determined Using <sup>14</sup>C Uptake and Oxygen Evolution Methods in Lough Neagh, Northern Ireland. By D. H. Jewson. Pp. 87-99. 69p. (Dublin: Royal Irish Academy, 1977.) [165]

Trade Literature: a Review and Survey. By Martin J. Thomson. Pp. 52. (London: British Library, Science Reference Library, 1977.) £3. [165]

A Key to the Adults and Nymphs of the British Stoneflies (Plecoptera), with Notes on Their Ecology and Distribution. By Dr. H. B. N. Hynes. Pp. 90. Third edition. £1. A Key to the Larvae and Adults of British Freshwater Megaloptera and Neuroptera, with Notes on Their Life Cycles and Ecology. By J. M. Elliott. Pp. 51. £1. (Ambleside, Cumbria: Freshwater Biological Association, The Ferry House, 1977.) [165]

The Institution of Chemical Engineers. The Association of Cost Engineers. A New Guide to Capital Cost Estimating. Pp. 76. (Rugby: Institution of Chemical Engineers, George E. David Bldg., 165/171 Railway Terrace, 1977.) £3. [165]

Brown Boveri Kent Limited. Report and Accounts 9 Months ended December 31, 1976. Pp. 23. (Luton: Brown Boveri Kent Limited, 1977.) [165]

Rat News Letter. No. 1, April 1977. Pp. 73. (Carshalton, Surrey: Medical Research Council, Laboratory Animals Centre, Woodmansterne Road, 1977.) [165]

Ministry of Overseas Development. Annual Report of the Directorate of Overseas Surveys for the year ended 31st March 1976. Pp. 59 + 8 plates. (London: HMSO, 1977.) £3.50 net. [175]

The 1977-1978 Aldrich Catalogue Handbook of Organic and Biochemicals. Pp. 999. (Gillingham, Dorset: Aldrich Chemical Co., Ltd., The Old Brickyard, New Road, 1977.) [185]

Department of Industry. Report on Research and Development, 1974-1976. Pp. 60. (London: HMSO, 1977.) £1.25 net. [185]

Philosophical Transactions of the Royal Society of London. A: Mathematical and Physical Sciences. Vol. 284, No. 1326: A Discussion on Methods and Applications of Ranging to Artificial Satellites and the Moon. Organized by Alan H. Cook, FRS, D. G. King-Hele, FRS, S. A. Ramsden and A. R. Robbins. Pp. 419-623 + 2 plates. UK £11.90; Overseas £12.40. Vol. 285, No. 1328: On Linear Wave Motions in Magnetic-Velocity Shears. By I. A. Eltayeb. Pp. 607-636. UK £1.80; Overseas £1.85. (London: The Royal Society, 1977.) [185]

Advisory Committee on Oil Pollution of the Sea—Annual Report 1976. Pp. 36. (London: Advisory Committee on Oil Pollution of the Sea, 39 Victoria Street, SW1, 1977.) [195]

The Cotton Silk and Man-Made Fibres Research Association. Shirley Institute Report and Accounts, 1975-76. Pp. 24. (Didsbury, Manchester: Shirley Institute, 1977.) [195]

Reading University Computer-Based Packages for Teaching Earth Science Report No. 3: Computer Programs in BASIC for the Interpretation of Gravity, Magnetic and Resistivity Profiles. By C. McCann (with Programs by S. Watts). Pp. 100. (Geological Reports, No. 9). £1.50. Report No. 4: The Computation and Display of Geotechnical Properties for Sediment Cores Using BASIC and FORTRAN. By Andrew Parker and Roger Till (with programs by Margaret Moss). Pp. 63. (Geological Report No. 10). 75p. Report No. 6: Programs in BASIC for Non-Linear and Multivariate Least-Squares Methods (with Worked Examples). By Roger Till (with programs by Duncan Cowan, Margaret Moss and Sue Watts). Pp. 87. (Geological Reports No. 12.) £1.50. (Reading: Geology Department, The University, 1977.) [195]

Department of Energy. Fuel Efficiency Booklet No. 10: Controls and Energy Saving. Pp. 12. (London: Department of Energy, 1977.) [205]

Health Service Commissioner. Third Report for Session 1976-77: Investigations completed—December 1976 to March 1977. Pp. 139. £2.10 net. Annual Report of the Health Service Commissioner 1976-77. Pp. 16. 45p net. (London: HMSO, 1977.) [205]

Office of Population Censuses and Surveys: Medical Statistics Division. Mortality Surveillance 1968-1975. England, Wales, Deaths and Rates by A-List Cause, Sex and Age Group. Pp. 150. (Fareham, Hampshire: Office of Population Censuses and Surveys, 1977.) Individual Analysis sheets 124p each (plus VAT + p & p 10p). Spirally bound complete set £14.50 (plus VAT + p & p 50p). Microfilm version of complete set £2.50 (plus VAT + p & p 20p.) [205]

National Radiological Protection Board. Annual Research and Development Report 1976. Pp. 152. (Harwell, Didcot, Oxon: National Radiological Protection Board, 1977. On sale through HMSO.) £1.75. [205]

The Institution of Gas Engineers. Communication 1018 Domestic Gas in an Energy Conscious Future. By J. A. Demont, S. R. Kirk and E.A.K. Patrick. Pp. 27. £125. Communication 1019: The Planning and Management of Conversion. By B. C. Smith. Pp. 33. £1.25. Communication 1020: Preaching to the Unconverted. By J. A. McCawley. Pp. 22. £1.25. Communication 1021: Conversion in Retrospect—The Contractor's Point of View. By W. Richardson. Pp. 21. £1.25. Communication 1022: Some Recollections of the Technical Aspects

of Conversion. By R. W. Byford, A. E. Sharman and J. Shuttleworth. Pp. 51. £1.25. Communication 1023: The Conversion of Central London, II. By F. A. Collins and J. D. Greene. Pp. 28. Communication 1024: Engineering Management in Emgas. By C. H. Brown. Pp. 38. Communication 1025: Computer Based Customer Systems. By P. G. Clarke and R. Gofford. Pp. 24. £1.25. Communication 1026: Text Processing—Towards a Paperless Office. By J. E. Hogben and B. A. Izzard. Pp. 21. £1.25. Communication 1027: Quality Assurance—Two British Gas Approaches. By J. Cairns and J. Boddy. Pp. 24. £1.25. Communication 1028: Telling is Not Communicating. By G. Bostock. Pp. 14. £1.25. Communication 1029: 'Putting it Across' to Factory Managers, Plant Engineers, Local Authorities, etc. By P. W. King. Pp. 13. £1.25. (114th Annual General Meeting, Bournemouth, May 1977.) (London: The Institution of Gas Engineers, 17 Grosvenor Crescent, SW1, 1977.) [235]

Mathilda and Terence Kennedy Institute of Rheumatology. Report for 1976. Pp. 31. (London: Mathilda and Kennedy Institute of Rheumatology, 6 Bute Gardens, W6, 1977.) [235]

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Philosophical Transactions of the Royal Society of London. B: Biological Sciences. Vol. 277, No. 955: A Discussion of the Meiotic Process. Organized by R. Riley, FRS, M. D. Bennett and R. B. Flavell. Pp. 183-376 + 28 plates. (London: The Royal Society, 1977.) UK £17.05; Overseas £17.60. [235]

Photobiology Bulletin. Vol. 1, No. 1, May 1977. Pp. 1-20. (London: British Photobiology Society, Department of Visual Science, Institute of Ophthalmology, Judd Street, WC1, 1977.) [235]

AERE, Harwell. AERE-R 8671: Radioactive Fallout in Air and Rain—Results to the End of 1976. By R. S. Cambray, Miss E. M. R. Fisher, J. D. Eakins and D. H. Peirson. Pp. 42. (London: HMSO, 1977.) £1.50 net. [245]

Pharmaceutical Industry Press Directory. Pp. 24. (London: The Association of the British Pharmaceutical Industry, 162 Regent Street, W1, 1977.) [255]

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East Malling Research Station. Report for 1976, 1st October 1975 to 30th September 1976. (The Kent Incorporated Society for Promoting Experiments in Horticulture.) Pp. 220. (Maidstone, Kent: East Malling Research Station.) £2.50; \$5. [305]

Review Body on Doctors' and Dentists' Remuneration—Seventh Report, 1977 (Cmnd. 6800). Pp. v + 72. (London: HMSO, 1977.) £1.35 net. [305]

Common Waiting List for NHS and Private Patients in NHS Hospitals. (Report by the Health Services Board made under Section 6 of the Health Services Act 1976.) (Cmnd. 6828) Pp. 15. (London: HMSO, 1977) 35p net. [305]

Philosophical Transactions of the Royal Society of London. B: Biological Sciences. Vol. 279, No. 963: A Discussion of Scientific Research in Antarctica. Organized by Sir Vivian Fuchs, FRS, and R. M. Laws. Pp. 1-288 + 8 plates. (London: The Royal Society, 1977.) UK £18; Overseas £18.50. [305]

Report to the Worshipful Company of Clothworkers of the City of London of the Advisory Committee on the Departments of Textile Industries and Colour Chemistry and Dyeing in the University of Leeds for the Session 1975-1976. Pp. 60. (Leeds: The University, 1977.) [315]

## Other countries—May

The Zoological Institute, Faculty of Science, University of Tokyo. Annual Report for 1976. Pp. 31. (Tokyo: The University, 1977.) [25]

The Center for the Study of Drug Development, University of Rochester Medical Centre, Rochester, New York. Recurrent Criticisms: a History of Investigations of the FDA. By Jeanne Herzog. Pp. 9. Some Homework is Needed. By Alexander M. Schmidt. Pp. 7. (Rochester, New York: The Center for the Study of Drug Development, 1977.) [25]

United States Geological Survey. Annual Report, Fiscal Year 1976. Pp. iii + 212. (Washington, DC: US Government Printing Office, 1977.) [25]

Smithsonian Contributions to the Earth Sciences. No. 19: Mineral Sciences Investigations, 1974/1975. Edited by Brian Mason. Pp. iii + 125. (Washington, DC: Smithsonian Institution Press, 1977. For sale by US Government Printing Office.) [25]

United States Department of the Interior: Geological Survey. Bulletin 1421-C: The Volumetric Properties of Aqueous Sodium Chloride Solutions from 0°C to 500°C at pressures up to 2,000 Bars Based on a Regression of Available Data in the Literature. By Robert W. Potter II and David L. Brown. Pp. iii + 36. (Washington, DC: US Government Printing Office, 1977.) [45]

Republic of South Africa: Department of Industries. Seat Fisheries Branch Investigational Report No. 110: Marine Algae from Southern Africa. 2. Morphology and Taxonomy of Five Foliose Chlorophyceae (Rhodophyta). By R. H. Simons and F. E. Hewitt. Pp. 46. (Sea Point, Cape Town: Sea Fisheries Branch, Department of Industries, 1976.) [45]

Democratic Republic of the Sudan. Agricultural Research Corporation. 1970-71 Annual Report of the Hudeiba Research Station. Pp. 135. (Hudeiba: Research Station, 1976.) [45]