

and a written recommendation) to: AMCO-5 Secretariat, Institut d'Electronique Fondamentale, Bât. 220 Université Paris-Sud F-91405, Orsay, France.

**Achievement Award.** Applications are invited for this award, made annually for a British or Commonwealth achievement in the field of scientific instruments—research, design, or new technique—by the Worshipful Company of Scientific Instrument Makers. Applications (by March 31) to: The Clerk, Worshipful Company of Scientific Instrument Makers, Alliance House, 12 Caxton Street, London SW1, UK.

**Essay Competition.** The Bertrand Russell Memorial Logic Conference is offering a prize of £200 for an essay that examines in detail some aspect of the relationship between mathematics and the development of social or economic conditions. To be of general interest to mathematicians and include a consideration of current mathematical practice. Deadline: February 1, 1976. Further details from: Dr A. Slomson, School of Mathematics, The University, Leeds LS2 9JT, UK.

**Foulkes Foundation.** Offers a number of fellowships to science or other suitable graduates who have recently received a Ph.D. or equivalent, and who wish to take a full second degree course in medicine. Also for recently qualified medical men and women wishing to take a scientific, technological or other suitable subject. Applications to: D. W. FitzSimons, Secretary, Foulkes Foundation Fellowship, The CIBA Foundation, 41 Portland Place, London W1N 4BN, UK.

## International meeting

April 15–16, **Understanding Energy Systems**, London (R. A. Davies, Operational Research Society, Sixth Floor, Neville House, Waterloo Street, Birmingham B2 5TX, UK).

## Reports and publications

### Great Britain

**Theoretical Chemistry: Past and Future.** By Professor C. A. Coulson. (An Inaugural Lecture delivered before the University of Oxford on 13 February 1973.) Pp. 38. (Oxford: Clarendon Press, London: Oxford University Press, 1974.) 50p net. [211]

**University College of Wales, Aberystwyth. Report of the Welsh Plant Breeding Station for 1973.** Pp. 133. (Plas Gogerddan, Near Aberystwyth: Welsh Plant Breeding Station, 1974.) 50p. [211]

**Conservation in Museums and Galleries: a Survey of Facilities in the United Kingdom.** Pp. 115. (London: United Kingdom Group, International Institute for Conservation of Historic and Artistic Works, 608 Grand Buildings, Trafalgar Square, 1974.) £1. [221]

**Philosophical Transactions of the Royal Society of London. A: Mathematical and Physical Sciences.** Vol. 277, No. 1270: A Discussion on the Origin of the Cosmic Radiation. Organized by G. D. Rochester, and A. W. Wolfendale. Pp. 317–501 + plates 12 and 13. UK £6.85; Overseas £7.05. Vol. 277, No. 1271: The Theory, Manufacture, Structure and Performance of N. P. L. X-ray Gratings. By A. Franks, K. Lindsey, J. M. Bennett, R. J. Speer, D. Turner, and D. J. Hunt. Pp. 503–543 + plates 16–19. UK £1.90; Overseas £2. (London: The Royal Society, 1975.) [231]

## Person to Person

**Weinberg's Differential Rule.** Additional data required to test this rule. Would workers routinely ascertaining and blood-typing twins at birth please let me have the following data: among the pairs known to be DZ on basis of blood groups alone, how many are same-sexed, and how many are opposite-sexed? (Dr W. H. James, Galton Laboratory, Department of Human Genetics and Biometry, University College, London NW1 2HE, UK).

**Enzymes.** A summer course is being organised by the Massachusetts Institute of Technology on 'Enzymes and their Use in Analysis and Clinical Diagnosis', from June 23–27. Aims to develop ability to use enzymes as analytical reagents and measure their activities. Director of the Summer Session, Room E19-356, MIT, Cambridge, Massachusetts 02139).

**Echange de Maisons.** Famille à Londres veut faire un échange de maisons avec famille française, août 9–16. Offert: maison de 4/5 chambres, 4 étages, tout ce qu'il faut pour bébés/enfants; location paisible dans un faubourg agréable, près de Greenwich, 20 minutes par le train au centre de Londres; visites intéressantes aux environs. Demandé: maison, ville ou campagne, endroit agréable, Bretagne, Paris ou le nordouest, pour famille de 3 enfants (D. Davies, 32 St Margaret's Passage, London, S.E.13, UK).

**Mitochondrial Structure and Function.** This course, sponsored by the University Board of Studies in Biochemistry, will be held from April 7–10 and is designed for post-graduate or other qualified students in the London area. Consists of a series of lectures and practical demonstrations on mitochondrial bioenergetics. Registration fee: £10 (Dr P. J. Quinn, Department of Biochemistry, Chelsea College, Manresa Road, London SW3 6LX, UK).

**House Exchange.** House sought in English or Scottish fishing village, fortnight August, preferably near the spring tides. Offer in exchange our house in Stratford-upon-Avon. Family of two adults, two boys (both primary age), (R. C. Hardwick, 3 Mayfield Avenue, Stratford-upon-Avon, Warwickshire, CV37 6XB, UK).

There will be no charge for this service. Send items (not more than 60 words) to Robert Vickers at the London office. The section will include exchanges of accommodation, personal announcements, and scientific queries. We reserve the right to decline material submitted. No commercial transactions.

## Other countries

**Annals of the South African Museum.** Vol. XLVII, Part 5: Contributions to the Knowledge of South African Marine Mollusca. Part VII. Revised Fauna List. By K. H. Barnard. Pp. 663–781. R.10.40. Vol. XLVII, Part 6: Contributions to the Knowledge of South African Marine Mollusca. Index: Parts I–VII. Compiled by B. Kensley. Pp. 783–825. R.3. (Cape Town: South African Museum, 1974.) [3012]

**Brain Structures at Work in Organism-Environment Interactions.** By Edward Friel. Pp. 41. (Seattle, Washington: Edward Friel, 1837—12th Avenue West, 1974.) [3112]

**Smithsonian Contributions to Zoology, No. 184: The Genus *Coptocarpus* Chaudoir of the Australian Region with Notes on Related African Species (Coleoptera: Carabidae: Oodini).** By Terry L. Erwin. Pp. iii + 25. (Washington, DC: Smithsonian Institution Press, 1974. For sale by US Government Printing Office.) 85 cents. [3112]

**Cahiers de Micropaléontologie, No. 3.** Par A. Rouvillois. Pp. 19 + 4 planches. (Paris: Centre National de la Recherche Scientifique, 1974.) 15 francs. [3112]

**The Discrimination of Birthtypes in Relation to Disease.** By John M. Addey. Pp. 26. (Green Bay, Wisconsin: The Cambridge Circle Press, 463 Vande Hei Road, 1974.) [31]

**Australia: Commonwealth Scientific and Industrial Research Organisation. Division of Soils Technical Paper No. 24: INTERPS—a Computer Program for Estimating Chemical Analyses from Light Intensity Measurements Recorded with Colorimetric Methods of Analysis.** By J. D. Colwell. Pp. 15. (Melbourne: CSIRO, 1974.) [31]

**European Organisation for Nuclear Research—CERN 74-24: PL-11—a Programming Language for the DEC PDP-11 Computer.** By Robert D. Russell. Edited by T. C. Streater. Pp. xov + 104. (Geneva: CERN, 1974.) [61]

**Comptes Rendus des Travaux du Laboratoire Carlsberg.** Vol. 40, No. 1: Microscopical Studies on the Macronucleus of Heat Synchronized *Tetrahymena pyriformis* GL. By Jytte R. Nilsson and Erik Zeuthen. Pp. 1–18 + 15 plates. Vol. 40, No. 2: Assessment of an Industrial Homogenizer for Protein and Enzyme Solubilization from Spent Brewery Yeast. By D. A. Whitworth. Pp. 19–32. Vol. 40, No. 3: Effects of Niniionic Surfactants on Alkane Utilization by Yeast-Structure-Action Relationships. By D. A. Whitworth. Pp. 33–46. Vol. 40, No. 4: Conversion of Hexadecan-I-OL by Extracts of *Candida lipolytica*. By D. A. Whitworth. Pp. 49–56. Vol. 40, No. 5: A Method for Synchronization of Cell Division and Macromolecule Formation in the Ciliate *Tetrahymena vorax*. By Howard E. Buhse, Jr., and Leif Rasmussen. Pp. 57–68. Vol. 40, No. 6: Respiration and Macromolecular Synthesis During Cell Division and Macromolecule Formation in Heat Synchronized *Tetrahymena vorax*, Strain V. By Howard E. Buhse, Jr., Kristen Hamburger and Anne Lykkesfeldt. Pp. 69–76. Vol. 40, No. 7: Induced Macromolecule Formation in *Tetrahymena vorax* Strain V<sub>2</sub> Patterns of Respiration. By Howard E. Buhse, Jr., and Kristen Hamburger. Pp. 77–90. (Copenhagen: Danish Science Press, Ltd., 1974.) Dkr. 11.50 each. [81]

**United States Department of the Interior: Fish and Wildlife Service. Togiak National Wildlife Refuge, Alaska—a Proposal.** Pp. 16. Selawik National Wildlife Refuge, Alaska—a Proposal. Pp. 12. Noatak National Arctic Range, Alaska—a Proposal. Pp. 16. Koyukuk National Wildlife Refuge, Alaska—a Proposal. Pp. 16. Iliamna Alaska National Resource Ranga—a Proposal. Pp. 24. Yukon Flats National Wildlife Refuge, Alaska—a Proposal. Pp. 24. Yukon Delta National Wildlife Refuge, Alaska—a Proposal. Pp. 24. Alaska Coastal National Wildlife Refuges—a Proposal. Pp. 32. Arctic National Wildlife Refuge—a Proposal. Pp. 24. Proposed Alaska National Wildlife Refuges. Pp. 8. (Washington, DC: US Department of the Interior, 1974.) [81]

**Soil Conservation: a Guide to Farming Practices in the Sugarcane Industry.** (Bulletin No. 20.) Pp. 27. (P.O. Mount Edgecombe, S. Africa: The Experiment Station of the South African Sugar Association, 1974.) [91]

**World Health Organization. Monograph Series No. 61: Handbook on Human Nutritional Requirements.** By R. Passmore, B. M. Nicol, M. Narayana Rao, in collaboration with G. H. Beaton and E. M. Demayer. Pp. vii + 66. Sw.fr.12. Offset Publication No. 7: Health Education—a Programme Review. (A Report by the Director-General of the World Health Organization to the Fifty-third Session of the Executive Board.) Pp. 78. Sw.fr.17. Offset Publication No. 8: The Current and Future Use of Registers in Health Information Systems. By Eileen M. Brooke. Pp. ii + 43. Sw.fr.14. (Geneva: WHO; London: HMSO, 1974.) [91]

**World Health Organization. Public Health Papers, No. 57: The Teaching of Human Sexuality in Schools for Health Professionals.** Edited by Dr. D. R. Mace, Dr. R. H. O. Bannerman and Dr. J. Burton. Pp. 47. (Geneva: WHO; London: HMSO, 1974.) Sw.fr.5. [101]

**Australia: Commonwealth Scientific and Industrial Research. Annual Report of the Division of Irrigation Research, 1973/1974.** Pp. iv + 66. (Griffith, NSW: CSIRO, 1974.) [101]

**European Organization for Nuclear Research—CERN. CERN 74-23: Proceedings of the 1974 CERN School of Computing, Godoyssund, Norway.** 11–24 August 1974. Pp. v + 438. (Geneva: CERN, 1974.) [101]

**World Health Organization. Technical Report Series No. 557: Evaluation of Certain Food Additives: Eighteenth Report of the Joint FAO/WHO Expert Committee on Food Additives.** Pp. 37. (Geneva: WHO; London: HMSO, 1974.) Sw.fr.5. [131]