

# announcements

## Awards

**Her Majesty the Queen** has approved the grant of a **Royal Charter** to the **Institute of Measurement and Control**.

The Royal Meteorological Society has announced the following awards: **Symons Memorial Gold Medal** to **B. J. Mason, FRS** (development of meteorology and understanding of the physics of clouds); **Fitzroy Prize** to **R. W. Gloyne** (application of meteorology and climatology to agriculture, horticulture and forecasting); **L. F. Richardson Prize** to **J. J. Barnett** (stratosphere on Nimbus IV).

The Royal Society has announced the election of the following Fellows: **R. J. H. Beverton, CBE**; **G. M. Binnie**; **E. G. Bowen, CBE**; **S. H. U. Bowie**; **G. M. Brown**; **A. D. Buckingham**; **P. C. Caldwell**; **J. Charnley, CBE**; **J. W. Christian**; **B. A. Cross**; **K. Dalziel**; **P. De Mayo**; **J. M. Dodd**; **A. Edrélyi**; **D. A. Haydon**; **G. N. Hounsfeld**; **A. M. Lane**; **A. R. Lang**; **A. L. McLaren**; **R. Mason**; **C. Milstein**; **P. A. P. Moran**; **R. C. Rainey**; **E. C. Slater**; **R. A. Slatyer**; **D. C. Smith**; **B. P. Stoicheff**; **G. P. L. Walker**; **R. Weck, CBE**; **F. R. Whatley**; **R. Wilson**; **E. C. Zeeman**.

## Appointments

**Peter Palmer**, a Director of Drake and Cubitt Holdings, has been appointed the first visiting professor in the department of mechanical engineering of the City University.

**James Briden** has been appointed professor of geophysics in the department of earth sciences at Leeds University.

## International meetings

May 6–7, **Isolation and clinical significance of trace components of plasma**, Washington, DC (Symposium Planning Committee, American National Red Cross, Blood Research Laboratory, 9312 Old Georgetown Road, Bethesda, Maryland 20014).

May 13–14, **Pulsed methods in photochemistry**, London (Dr M. A. West, The Royal Institution, 21 Albemarle Street, London W1X 4BS, UK).

June 9–August 29, **Frontiers of science**—Gordon Research Conferences on a wide variety of physical and biological

topics, running throughout the summer, New Hampshire and California. Applications to: Dr A. M. Cruikshank, Director, Gordon Research Conferences, University of Rhode Island, Pastore Chemical Laboratory, Kingston, Rhode Island 02881; Programme Summary from: Women's Colby College, New Hampshire, New London, New Hampshire 03257.

June 16–18, **Mass spectrometry in biochemistry and medicine**, Alghero, Sardinia (Alberto Frigiero, c/o Istituto di Ricerche Farmacologiche Mario Negri, Via Eritrea 62, 20157 Milan, Italy).

June 16–20, **American Geophysical Union**, Washington, DC (Shelton Alexander, 204 Mineral Sciences Building, Pennsylvania State University, Pennsylvania 16802).

June 17, **Polymer science: achievements and prospects**, Pittsburgh (Hershel Markovitz, Department of Chemistry, Carnegie-Mellon University, 4400 Fifth Avenue, Pittsburgh, Pennsylvania 15213). The symposium is in honour of Paul J. Flory, the Nobel Laureate in chemistry, 1974.

June 22–28, **Immunochemistry of the cell membrane**, Ravello, Italy (Dr P. Comoglio, Department of Anatomy, Turin University, Corso M. D'Azeglio 52, 10126 Torino, Italy, or Dr S. Zappacosta, Fondazione Pascale Cancer Institute, Via M. Semmola, 80131 Napoli, Italy).

June 23–July 4, **Physics of quantum electronics**, Santa Fe, New Mexico (Professor S. F. Jacobs, Optical Sciences Center, University of Arizona, Tucson, Arizona 85721).

June 25–27, **Mercury**, Pasadena, California (James A. Dunne, Executive Secretary, First International Colloquium on Mercury, Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove, Pasadena, California 91103).

June 30–July 1, **Applications of enzymes**, Exeter (Miss M. V. Auguste, The Chemical Society, Burlington House, London W1V 0BN, UK).

June 30–July 4, **Marine natural products**, Santa Barbara, California (Paul J. Scheuer, University of Hawaii at Manoa, Department of Chemistry, 2545 The Mail, Honolulu, Hawaii 96822).

## Reports and publications

### Great Britain

Memoirs of the Royal Astronomical Society, Vol. 78, Part 2: Equivalent Width and Rotational Velocities of Southern Early-Type Stars. By L. A. Balona. Pp. 51–72. (Oxford and London: Blackwell Scientific Publications, 1975. Published for the Royal Astronomical Society.) [281]

The Stable Isotope Project—Progress Report 1970–1973. (Publications Series C, No. 13, October 1974.) Pp. iv + 16. (London: Natural Environment Research Council, 1974.) [291]

Bulletin of the British Museum (Natural History). Geology, Vol. 25, No. 4: Cretaceous Faunas from Zululand and Natal, South Africa. Introduction, Stratigraphy. By W. J. Kennedy and H. C. Klinger. Pp. 273–315 + 1 plate (London: British Museum (Natural History), 1975.) £3.75. [291]

Philosophical Transactions of the Royal Society of London. A: Mathematical and Physical Sciences. Vol. 277, No. 1272: Coupling Coefficients and Tensor Operators for Chains of Groups. By P. H. Butler. Pp. 545–585. UK £1.50. Overseas £1.60. Vol. 277, No. 1273: On the Use of the Breit-Pauli Approximation in the Study of Relativistic Effects in Electron-Atom Scattering. By M. Jones. Pp. 587–622. UK £1.30; Overseas £1.50. (London: The Royal Society, 1975.) [301]

Proceedings of the Royal Irish Academy. Vol. 74, Section A, Nos. 18–36: Spectral Theory Symposium. Pp. 133–310. £3.45. Vol. 74, Section B, No. 28: Some *Pennireteppra* (Bryozoa) from the Visean on County Fermanagh with a Revision of the Generic Name. By Foluso Olaloye. Pp. 471–506 + plates 15–22. £1.53. No. 29: Enzyme Production by *Bacillus polymyxa* in an Extract of Peat. I. Preliminary Studies and the Effect of Added Carbon on Amylase and Protease Production. By W. M. Fogarty and P. J. Griffin. Pp. 507–522. 31p. Nos. 30 and 31: Enzyme Production by *Bacillus polymyxa* in an Extract of Peat. II. The Effects on Nitrogen and other Factors on Amylase and Protease Production. III. Amylase and Protease Production in Batch Cultures. By P. J. Griffin and W. M. Fogarty. Pp. 523–548. 46p. (Dublin: Royal Irish Academy, 1974.) [311]

Department of Industry: Laboratory of the Government Chemist. Report of the Government Chemist, 1973. Pp. iv + 175 + 8 plates. (London: HMSO, 1974.) £1.80 net. [311]

Medical Research Council. The Toxicity of Plutonium. Pp. iii + 38. (London: HMSO, 1975.) 45p net. [311]

Government Statistics: a Brief Guide to Sources. Pp. 18. (London: Central Statistical Office, Great George Street, SW1, 1975.) [32]

Mineral Resources Consultative Committee. Mineral Dossier No. 9: Tin. Compiled by D. Slater. Pp. vi + 41. 65p net. Mineral Dossier No. 10: Talc. Compiled by D. E. Highley. Pp. 25. 55p net. (London: HMSO, 1974.) [32]

University of Cambridge. Annual Report of the Institute of Astronomy, 1973/1974. Pp. 20. (Cambridge: The Observatories, The University, 1975.) [42]

Philosophical Transactions of the Royal Society of London. B: Biological Sciences. Vol. 270, No. 901: A Physiological Analysis of Walking in the American Lobster (*Homarus americanus*). By D. L. Macmillan. Pp. 1–59. (London: The Royal Society, 1975.) UK £2.50; Overseas £2.60. [62]

Bird Life in the Royal Parks, 1973. (A Report by the Committee on Bird Sanctuaries in the Royal Parks.) Pp. 13. (London: Royal Parks Division, Department of the Environment, 29 Great Peter Street, SW1, 1975.) gratis. [62]

Materials for Cryogenic Service: Engineering Properties of Austenitic Stainless Steels. Pp. 48. (London: International Nickel, Ltd., 1974.) [62]

Estuaries Research: Report of the NERC Working Party on Estuaries Research. (Publications, Series B, No. 9.) Pp. 62. (London: Natural Environment Research Council, 27/33 Charing Cross Road, WC2, 1975.) [62]

Royal Observatory Bulletins No. 178: Provisional Positions of the Sun and Planets 1957–1971. By M. E. Buontempo, J. V. Carey and Patricia Eldridge. Pp. 191–300. (Herstmonceux: Royal Greenwich Observatory, 1973.) £2.25 net. [72]

Bailey's Technical Dictionaries Catalogue 1974. Pp. 80. (Folkestone: Bailey Bros. and Swinfen, Ltd., 1975.) 70p. [72]

Ministry of Agriculture, Fisheries and Food. Agricultural Chemicals Approval Scheme: Insecticides Fungicides/Herbicides. 1975 List of Approved Products and their Uses for Farmers and Growers. Pp. 182. (Harpenden, Herts: Agricultural Chemicals Approval Organization, Ministry of Agriculture, Fisheries and Food, Plant Pathology Laboratory, 1974.) [102]

The Institution of Gas Engineers. Discussions of the 111th Annual General Meeting, Bristol, 1974. (D931–940). Pp. 151. (London: The Institution of Gas Engineers, 1975.) £1. [102]