

# Announcements

## University News

**Dr M. J. O'Hara** has been appointed to a personal chair of petrology in the **University of Edinburgh**.

**Dr R. J. Knops**, University of Newcastle upon Tyne, has been appointed to the chair of mathematics at **Heriot-Watt University**, in succession to **Professor R. Smart**, who retires this year.

The following appointments have been made in the **University of London**: **Dr R. P. Dales** has been appointed to the chair of zoology tenable at Bedford College; **Dr P. J. Lachmann** has been appointed to the chair of immunology tenable at the Royal Postgraduate Medical School and **Dr Walter Plowright** has been appointed to the chair of veterinary microbiology and parasitology tenable at the Royal Veterinary College. The following titles have been conferred: professor of embryology, on **Professor F. Beck**; professor of dental anatomy, on **Professor R. W. Fearnhead**; and professor of physiology, on **Professor W. R. Keatinge**, in respect of their posts at the London Hospital Medical College; professor of computer systems, on **Dr P. T. Kirstein**, in respect of his post at the Institute of Computer Science; professor of epidemiology and preventive medicine, on **Professor G. A. Rose**, in respect of his post at St Mary's Hospital Medical School; professor of computer science, on **Professor P. A. Samet**, in respect of his post at University College.

**Dr K. W. Brittan** has been appointed to the newly created Rank chair of instrument science and technology at **Loughborough University of Technology**.

## Miscellaneous

The research medal of the **Royal Society of Victoria** has been awarded to **Professor G. Burnstock**, University of Melbourne, for his work on the autonomic innervation of smooth muscle.

**Academician I. M. Vinogradov**, mathematician and member of the **Academy of Sciences of the USSR**, has been awarded the Lomonosov gold medal of the Academy.

The **Edinburgh Geological Society** has awarded the Clough medal to **Professor F. H. Stewart**, University of Edinburgh, and the Clough award to **Dr P. Toghill**, British Museum (Natural History). Applications for a grant from the Clough memorial fund for geological research in Scotland and the North of England should be sent to the secretary of the Society, 19 Grange Terrace, Edinburgh EH9 2LF.

The **Linnean gold medal** has been awarded to **Dr J. E. Smith**, director of the Marine

Biological Association, Plymouth, for his work in zoology and to **Dr C. R. Melcalfe**, formerly keeper of the Jodrell Laboratory, Royal Botanic Gardens, for his work in botany. The H. H. Bloomer award to an amateur naturalist has been made to **Dr John G. Dony**, author of *Floras of Bedfordshire and Hertfordshire*.

**Harkness fellowships** of the Commonwealth Fund for 1971 have been awarded to the following scientists: **C. J. Adams**, University of Oxford (chemistry); **D. J. Broadhurst**, University of Sussex (physics); **D. J. Collop**, University of Cambridge (applied mathematics); **J. H. Danskin**, University of Edinburgh (physics); **J. S. Halliday**, University of Cambridge (electronics); **E. F. Hawkins**, University of Sheffield (zoology); **S. A. McKilligan**, University of Aberdeen (mathematics); **N. C. Price**, University of Oxford (biochemistry); **T. E. H. Walker**, University of Oxford (chemistry); **C. G. Wynn-Williams**, University of Cambridge (astronomy).

Awards for 1971 have been announced by the **Council of the Institute of Physics and the Physical Society**: Guthrie medal and prize, to **Mr J. A. Ratcliffe**, formerly of the Radio Research Station; Glazebrook medal and prize, to **Dr F. E. Jones**, Mullard Ltd; Thomas Young medal and prize, to **Professor C. G. Wynne**, Imperial College of Science and Technology; Maxwell medal and prize, to **Dr J. B. Taylor**, Culham Laboratory, UKAEA; Charles Chree medal and prize, to **Mr D. G. King-Hele**, Royal Aircraft Establishment; Duddell medal and prize, jointly to **Dr V. E. Cosslett** and **Dr K. C. A. Smith**, University of Cambridge; Charles Vernon Boys prize, to **Dr M. Hart**, University of Bristol; Bragg medal and prize, to **Mr G. R. Noakes**, formerly of Uppingham School; A. B. Wood medal and prize, to **Dr R. E. Apfel**, Harvard University.

The following were elected **Fellows of the Royal Society** on March 18: **Professor N. H. Ashton**, Institute of Ophthalmology, University of London; **Dr J. H. Beynon**, Dyestuffs Division of Imperial Chemical Industries Limited; **Mr B. B. Boycott**, MRC; **Professor A. Carrington**, University of Southampton; **Professor D. H. Copp**, University of British Columbia; **Dr G. S. Dawes**, Nuffield Institute for Medical Research, Oxford; **Professor M. E. Fisher**, Cornell University; **Professor D. V. Glass**, London School of Economics, University of London; **Dr J. B. Gurdon**, University of Oxford; **Dr B. S. Hartley**, MRC; **Mr Lionel Haworth**, Rolls Royce Limited; **Professor R. Hide**, Meteorological Office; **Professor J. F. C. Kingman**, University of Oxford; **Professor J. Mandelstam**, University of Oxford; **Dr E. H. Mansfield**, Royal Aircraft Establishment; **Dr W. Marshall**, UKAEA; **Professor J. L. Monteith**, University of Nottingham;

**Professor F. R. N. Nabarro**, University of the Witwatersrand; **Dr A. C. Neish**, National Research Council of Canada; **Professor P. R. Owen**, Imperial College, University of London; **Professor J. C. Polanyi**, University of Toronto; **Dr A. F. Posnette**, East Malling Research Station; **Dr R. E. Reason**, Rank Precision Instruments Limited; **Dr F. G. Rees**, University College of Wales; **Mr J. D. Rose**, Imperial Chemical Industries Limited; **Professor G. W. Series**, University of Reading; **Professor R. M. Shackleton**, University of Leeds; **Professor T. I. Shaw**, Queen Mary College, University of London; **Professor B. C. L. Weedon**, Queen Mary College, University of London; **Dr A. M. Wetherell**, CERN; **Professor H. B. Whittington**, University of Cambridge; **Professor D. R. Wilkie**, University College, University of London.

## Errata

IN the article "Fission Track Dating of Archaeological Materials from Japan" on page 242 of this issue of *Nature*, the first sentence on page 243 should read "Zircon required from 1 to 2 min in concentrated H<sub>3</sub>PO<sub>4</sub> at 450–500° C . . .".

IN the article "Search for a Human Breast Cancer Virus" by Dan H. Moore *et al.* (*Nature*, 229, 611; 1971), the word "man" on line 3 of the first paragraph should read "mice". The penultimate line of the fourth paragraph should read "Gentamycin (Schering 0.01 ml./ml. of milk) . . ."

IN the article "Crystal Structure of Cu(adenine)<sub>2</sub>Cl<sub>2</sub>·3H<sub>2</sub>O and Bridging Capability of Adenine" by P. de Meester, D. M. L. Goodgame, K. Angela Price and A. C. Skapski (*Nature*, 229, 191; 1971), the abbreviation EPR was mistakenly translated as electron proton resonance. This should, of course, have read electron paramagnetic resonance.

IN the article "Parameter Sensitivity as a Criterion for Evaluating and Comparing the Performance of Biochemical Systems" by Michael A. Savageau (*Nature*, 229, 542; 1971), the paragraph immediately following Fig. 1 should read as follows: "The following definition of parameter sensitivity meets these requirements and avoids the difficulties encountered in measuring the effectiveness of a biochemical control system that I have mentioned. (In this definition a parameter will refer to a property of the system that is normally a fixed quantity, and may be considered characteristic of the system. In different systems, or in different environments, parameters may assume different but fixed values. For example, in a simple enzyme-catalysed reaction the Michaelis constant  $K_m$  would be a parameter of the system, whereas the concentration of the substrate would be

considered a variable.) In the steady state the relative variation (or percentage change) in some property  $X$ , related to the system function in question, with respect to the relative variation of a parameter  $\alpha$ , characteristic of the system, is defined as the parameter sensitivity of  $X$  with respect to  $\alpha$ , that is . . . .”

## International Meetings

March 29–April 2, **New Problems, New Techniques and New Concepts in Statistical Mechanics**, Chicago (Professor S. A. Rice, James Franck Institute, University of Chicago, Chicago, Illinois 60637, USA).

March 31–April 2, **Joint Meeting of the Genetical Society and the Virus Group of the Society for Genetical Microbiology**, Cambridge (Dr Michael Ashburner, 0223 56894).

May 3–7, **Automatic Indexing and Information Retrieval**, London (Mr C. W. Cleverdon, Cranfield Institute of Technology, Cranfield, Bedford, England).

May 4, **Crop Protection**, Ghent (Faculteit van de Landbouwwetenschappen, Coupure Links 533, B-9000 Ghent, Belgium).

May 6–7, **Computer Culture**, University of Bradford (University of Bradford, Bradford, Yorkshire BD7 1DP).

May 18–21, **International London Electronic Component Show**, London (Siemens (United Kingdom) Ltd, Publicity Dept., Great West House, Great West Road, Brentford, Middlesex).

June 4, **Two Phase Morphology of Block Co-polymers**, University of Essex (Prof. M. Gordon, Dept. of Chemistry, University of Essex, Wivenhoe Park, Colchester, Essex).

June 6–10, **Tissue Culture Association Annual Meeting**, Lake Placid, New York (Dr Vincent J. Cristofalo, The Wistar Institute, 36th Street at Spruce, Philadelphia, Pennsylvania 19104, USA).

June 13–15, **Canadian Society of Plant Physiologists Annual Meeting**, Toronto (Professor Dorothy Forward, Department of Botany, University of Toronto, Toronto 181, Ontario, Canada).

June 13–16, **Cranfield Fluidics Conference**, University of Uppsala (H. S. Stephens, Secretary, 5CFC Organizing Committee, British Hydromechanics Research Association, Cranfield, Bedford, England).

June 14–18, **Theoretical Biology and Biomathematics**, Proctor Academy, Andover, New Hampshire (Dr A. M. Cruickshank, Director, Gordon Research Conferences, Colby Jnr. College, New London, New Hampshire. Tel. 603 526 2870).

June 14–18, **Radiology in Amsterdam**, International Congress Centre, Amsterdam (Congress Secretariat, c/o Holland Organizing Centre, 16 Lange Voorhout, The Hague).

June 17–27, **Telecom**, Geneva (International Telecommunications Union, Place des Nations, Geneva, Switzerland).

June 21–26, **Electromagnetic Interactions**, Trieste (A. M. Hamende, International Centre for Theoretical Physics, Miramare, PO Box 586, 34100 Trieste, Italy).

June–July, **World Administrative Radio Conference for Space Telecommunications**, Geneva (International Telecommunications Union, Place des Nations, Geneva, Switzerland. Tel. 34 70 00).

June 21–July 30, **Advanced Study in Gerontology**, S. California (Summer Institute Coordinator, Gerontology Center, University of Southern California, University Park, Los Angeles, California 90007).

June 21–July 30, **Community Mental Health and Ageing**, Southern California (Summer Institute Coordinator, Gerontology Center, University of Southern California, University Park, Los Angeles, California 90007).

July 6–9, **Major Loss Prevention in the Process Industries**, Newcastle upon Tyne (Institution of Chemical Engineers, 16 Belgrave Square, London SW1).

July 6–17, **Introduction to Techniques in Electron Microscopy**, Middletown, NY (G. Mokotoff, Orange County Community College, Middletown, NY 10940, USA).

July 7–9, **The Structure of Matter**, Physics Dept., University of Canterbury, Christchurch (Prof. B. G. Wybourne, Physics Dept., University of Canterbury, Christchurch, New Zealand).

July 12–19, **Relativity and Gravity**, Trieste (A. M. Hamende, International Centre for Theoretical Physics, Miramare, PO Box 586, 34100 Trieste, Italy).

July 19–23, **Molecular Energy Transfer**, Cambridge (University of Cambridge, Dept. of Physical Chemistry, Lensfield Road, Cambridge CB2 1EF).

July 25–30, **The Engineering Properties of Sea Floor Soils and their Geophysical Identification**, Seattle (M. A. Sherif, Department of Civil Engineering, University of Washington, Seattle, Washington 98105, USA).

July 25–30, **Pure and Applied Chemistry**, Boston (American Chemical Society, 1155 Sixteenth Street, NW Washington DC 20036, USA).

July 26–30, **Physics of Electronic and Atomic Collisions**, Amsterdam (Organisatie Bureau Amsterdam NV Postbus 7205, Amsterdam, Netherlands).

July 27–August 8, **Molecular and Developmental Biology**, Sicily (H. G. Zachau, 8 Munchen 15, Goethestrasse 33, West Germany).

August 2–4, **Operations Research**, Chicago (The Graduate Library School, University of Chicago, 1100 East 57th Street, Chicago, Ill. 60637).

## British Diary

### Monday, March 29

**Land Pollution** (6 p.m.) Sir Frank Fraser Darling, Royal Society of Arts, at John Adam Street, Adelphi, London WC2. (Third of four Cantor Lectures on “Problems of Pollution”).

### Tuesday, March 30

**Enzymes in Industry** (symposium) Birmingham University Chemical Engineering Society, Postgraduate Section, at the University.

**New Materials in Architecture** (discussion meeting) Institution of Metallurgists, at the Department of Metallurgy, Imperial College, London SW7.

**The Influence of the Industrial Training Boards on the Electricity Industry** (5.30 p.m. discussion) Institution of Electrical Engineers, at Savoy Place, London WC2.

**The M21/40 Computer for Pembroke Power Station** (5.30 p.m.) Mr R. I. Scott-Kerr, Institution of Electrical Engineers, at Savoy Place, London WC2.

### Wednesday, March 31

**165th Meeting** (three days) Genetical Society, jointly with the Virus Group of the Society for General Microbiology, at the University of Cambridge.

**Environmental Engineering Aspects of Pollution Control** (symposium, two days) Society of Environmental Engineers, at Earls Court, London.

**Hormonal Control of Gene Action in Cultured Cells** (4.30 p.m.) Dr Gordon Tomkins (University of California), Medical Research Council, at the National Institute for Medical Research, Mill Hill, London NW7.

**Meat in the Future—Problems and Solutions** (two-day symposium) Institute of Biology; the Institute of Food Science and Technology; the Institute of Refrigeration and the Institute of Meat (in London).

**Plasma Torches** (colloquium) Institution of Electrical Engineers, at the University, Sheffield.

**The Impact of Colour in Commerce** (third Scottish symposium, three days) Colour Group (Great Britain), at the University of Edinburgh.

### Thursday, April 1

**Electrical Heating in Buildings** (two-day conference) Institution of Electrical Engineers, in association with the Institution of Heating and Ventilating Engineers, at the Institution of Electrical Engineers, Savoy Place, London WC2.