

Meetings

17-18 December, **Meeting on Metal Ions, Free Radical Reactions and Disease**, London (Mr B. Halliwell, Department of Biochemistry, King's College, Strand, London WC2R 2LS, UK).

25 February-1 March, **36th Pittsburg Conference and Exposition on Analytical Chemistry and Applied Spectroscopy**, New Orleans, USA (Mrs Linda Briggs, Program Secretary, 437 Donald Road, Pittsburgh, Pennsylvania, 15235, USA).

26 February-8 March, **Winter Session on Disordered Systems and Biological Organization**, Les Houches, France (Mr G. Weisbuch, Centre de Physique, Univ. Scientifique et Medicale de Grenoble, Côte des Chavants, 74310 Les Houches France).

26-29 March, **3rd European Conference on Food Chemistry**, Antwerp, Belgium (Euro Food Chem. III, Flemish Chemical Society — Food Science Section, Dr P. Dirinck, Faculty of Agricultural Sciences, State University of Gent, Coupure Links 653, B-9000 Gent, Belgium).

27-29 March, **Symposium on the Oceanography of the Rockall Channel** organized by the Royal Society of Edinburgh and the Scottish Marine Biological Association, Edinburgh, UK (The Meeting's Secretary, The Royal Society of Edinburgh, 22, 24 George Street, Edinburgh EH2 2PQ, UK).

31 March-4 April, **Meeting on Process Systems Engineering: SPE '85** — The Use of Computers in Chemical Engineering, Cambridge, UK. The Institution of Chemical Engineers, 165-171 Railway Terrace, Rugby CV21 3HQ, UK).

31 March-5 April, **4th Pfefferkorn Conference on The Science of Biological Specimen Preparation for Microscopy and Microanalysis**, Las Vegas, USA (Dr. Om Johari, PO Box 66507, AMF O'Hare, Illinois 60666 USA).

10-12 April, **Symposium on Recent Advances in Medical and Physiological Imagery**, Harrow Middlesex, UK (Mr M. Goff, Thermographic Laboratory, Clinical Research Centre, Watford Road, Harrow, Middlesex HA1 3UJ, UK).

15-19 April, **International Symposium on Biomineralization in Lower Plants and Animals**, Birmingham, UK (Dr Robert Riding, Biomineralization Symposium, Department of Geology, University College, Cardiff CF1 1XL, UK).

16-18 April, **International Meeting on Pregnancy Proteins in Animals**, Copenhagen, Denmark (Ms Ulla Salado-Jimena, Department of Pathology, Laboratory Animal Unit, Royal Veterinary and Agricultural University of Copenhagen, Bülowsvej 13, Dk-1870 Copenhagen V, Denmark).

22-26 April, **International Symposium-Workshop on Particulate and Multi-Phase Processes, & 16th Annual Meeting of the Fine Particle Society**, Miami Beach, USA (Mr T. Nejat Veziroglu, Director, Clean Energy Research Institute, University of Miami, PO Box 248294, Florida 33124, USA).

24-26 April, **International Symposium on Peptides and Ion Transport**, Florence, Italy (Organizing Secretary, Fondazione Giovanni Lorenzi, Via Monte Napoleone 23, 20121 Milan, Italy).

9-15 June, **21st Chemical Engineering Exhibition**, Frankfurt, FRG (Ms A. Bondaray, V.I.P. Business & Trade Fairs Travel Ltd, 42 North Audley Street, Grosvenor Square, London W1A 4PY, UK).

18-20 June, **Conference on Forest Decline**, Goslar, FRG (Verein Deutscher Ingenieure, Kommission Reinhaltan der Luft, POB 1139 D-4000 Düsseldorf 1, FRG).

The Institute of Physics, London, is holding a series of one-day meetings in London this autumn: 17 October, **Electronics Update**; 23 October, **Applications of Non-linear Analysis**, and **Resonator Sensor Systems**; 24 October, **Critical Phenomena in Magnetism and Low Temperature Physics**; 29 October, **Fundamental Aspects of Polymer Flammability**; 6 November, **Magnetic Thin Film Coatings for the Recording Media**; 8 November, **Low Temperature Techniques Course**; 14 November, **High Complexity Displays**; 21 November, **Drying and Curing**; 5 December, **Electrostatic Imaging**; 12 December, **Transient Annealing of Semiconductors**; 14 December, **Permanent Magnetic Materials and Applications**. Further information from The Meetings Office, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX, UK.

The Scientists Center for Animal Welfare USA, are sponsoring three workshops on **Animals and the Scientist: Institutional Responsibilities**, and **"How to Run an Effective Animal Care and Use Committee**, in conjunction with the following universities: 11-12 October, Michigan State University, Lansing Michigan; 14-15 November, University of Southern California, Los Angeles; and 23-24 May 1985, Aspen Institute, Aspen, Colorado (Dr Barbara Orlans, Scientists Center for Animal Welfare, PO Box 9581, Washington D.C. 20016, USA).

Short courses

19-22 November, **Training Course in Fluid Rheology** (Mr L.J. Viney, Warren Spring Laboratory, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2BX, UK).

10-12 December, **Yield of Cereals** (Warwick University, UK); 12-14 December, **Yield of Potatoes** (Warwick University, UK) and 5-7 February, **Yield of Sugar Beet** (Peterborough, UK). Further details form the Arable Unit, National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire CV8 2LZ, UK).

23 April-29 June 1985, **Understanding Climate** (Dr T.M.L. Wigley, Director, Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, UK).

6-25 January, **International Training Courses on Gene Transfer in Higher**

Eukaryotes, Sofia, Bulgaria (Professor R.G. Tsanev, Institute of Molecular Biology, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria).

3-7 June 1985, **Second International Summer School on Mathematical Modelling in Physiology and Clinical Medicine**, University of Padua, Italy (Dr E.R. Carson, Research Centre for Measurement and Information in Medicine, The City University, Northampton Square, London EC1, UK). **The Centre for Extension Studies, Loughborough University** is organizing a programme of five modular short courses in 1985, leading to the University Diploma in Occupational Health and Safety Management (Mrs K. Gilbert, Centre for Extension Studies, Loughborough University of Technology, Loughborough, Leicestershire LE11 3TU, UK).

Miscellaneous

The Royal College of Pathologists is introducing a Final Examination in Clinical Cytogenetics open to medical and non-medical candidates. Further details are available form the Examinations Department of the Royal College of Pathologists, 2, Carlton House Terrace, London SW1Y 5AF, UK.

The International Commission on Zoological Nomenclature is calling for nominations for new members to replace staff who are retiring. Nominations should be sent by the end of December 1984 to The Secretary, International Commission on Zoological Nomenclature, British Museum (Natural History), Cromwell Road, London SW7 5BD, UK.

It was recently announced that the **British Computer Society** had been granted a Royal Charter by Her Majesty the Queen.

The Nobeyama Radio Observatory (NRO) has decided to make its 45m telescope available to foreign scientists from January — May 1985 and is calling for study proposals for its use. Those scientists having a Japanese co-investigator will be preferred although in a limited number of cases applications from those without Japanese co-investigators will also be accepted. The deadline for applications will be at the end of October 1984 and further details can be obtained from K. Akabane, Director, Nobeyama Radio Observatory, Nobeyama, Minamisaku, Nagano 384-13, Japan.

A Trauma Research Center, one of the largest of its kind in the world, has been established at the Hebrew University-Hadassah Medical School, Israel.

The European Powder Metallurgy Federation was formed earlier this year in Clermont Ferrand, Switzerland; further information from Mr Robert Wood, The Metals Society, 1 Carlton House Terrace, London SW1Y 5DB, UK.

Laboratory 85 will now form part of British Laboratory week to be held next year from 17-19 September at Olympia, London, UK.