

## FORTHCOMING EVENTS

(Meetings marked with an asterisk are open to the public)

### Monday, January 2

ROYAL GEOGRAPHICAL SOCIETY (joint meeting with the Geographical Association and the Institute of British Geographers, at 1 Kensington Gore, London, S.W.7), at 3 p.m.—Prof. K. C. Edwards: "Broadening Vistas".

SOCIETY OF CHEMICAL INDUSTRY, LONDON SECTION, and the HEAVY ORGANIC CHEMICALS and CHEMICAL ENGINEERING GROUPS (at 14 Belgrave Square, London, S.W.1), at 6.30 p.m.—Prof. H. H. Rosenbrock: "Progress in the Theory of Automatic Control of Chemical Processes".

### Tuesday, January 3

INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS (in the Large Physics Lecture Theatre, University College London, Gower Street, London, W.C.1), at 10.30 a.m.—Symposium on "Aspects of Road Traffic".

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 2.30 p.m.—Mr. Oliver Graham-Jones: "Chi Chi's Moscow Adventure" (Christmas Holiday Lecture for Young People).

INSTITUTION OF ELECTRICAL ENGINEERS (joint meeting with the Automatic Control Group of the Institution of Mechanical Engineers, and the S.I.T., at Savoy Place, London, W.C.2), at 5.30 p.m.—Mr. L. Finkelstein and Mr. R. D. Watts: "Instrument Transducers—a Systematic Approach".

### Wednesday, January 4

GEOLOGICAL SOCIETY OF LONDON, ENGINEERING GROUP (at Imperial College of Science and Technology, London, S.W.7)—Symposium on "Rock Slopes".

BRITISH BIOPHYSICAL SOCIETY, PHYSICAL BIOCHEMISTRY GROUP (in the Department of Biophysics, King's College, 26 Drury Lane, London, W.C.2), at 10.45 a.m.—Meeting on "Applications of the Computer to Problems in Physical Biochemistry". Chairman: Prof. H. Daniels.

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 2.30 p.m.—Prof. M. W. Thring: "Robots" (Dr. Mann Juvenile Lecture).

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 2.30 p.m.—Prof. John Cohen: "Artificial Men" (Christmas Holiday Lecture for Young People).

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Mr. L. J. Jacovides and Dr. B. Adkins: "Effect of Excitation Regulation on Synchronous-Machine Stability".

### Thursday, January 5

INSTITUTION OF CIVIL ENGINEERS (at Great George Street, London, S.W.1), at 5.30 p.m.—Informal Discussion on "Container Traffic as it Affects the Layout and Operation of Ports".

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Mr. J. A. Broughall: "Electric Traction in the Railways of the Future" (Ninth Hunter Memorial Lecture).

INSTITUTION OF ELECTRICAL ENGINEERS (joint discussion meeting with the Automatic Control Group of the Institution of Mechanical Engineers, at 1 Birdcage Walk, Westminster, London, S.W.1), at 6 p.m.—Meeting on "Electrically Signalled Aircraft Flying Controls".

### Thursday, January 5—Friday, January 6

BIOCHEMICAL SOCIETY (at University College, Cathays Park, Cardiff)—467th Meeting. Programme will include a Discussion Forum on "Functions of Lysosomes" and a Colloquium on "Energy Turnover in Resting Cells".

SOCIETY OF CHEMICAL INDUSTRY, FOOD GROUP (joint meeting with the British Society of Rheology, at the School of Pharmacy, Brunswick Square, London, W.C.1)—Meeting on "The Rheology and Texture of Foods".

### Saturday, January 7

ASSOCIATION OF BRITISH ZOOLOGISTS (at the Zoological Society of London, Regent's Park, London, N.W.1), at 11 a.m.—Meeting on "The Maintenance of Animal Cultures for Teaching and Research".

### Monday, January 9

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Discussion meeting on "Recent Developments in Fuel Cells" opened by Dr. D. P. Gregory.

INSTITUTION OF ELECTRICAL ENGINEERS (joint discussion meeting with the Automatic Control Group of the Institution of Mechanical Engineers, at 1 Birdcage Walk, Westminster, London, S.W.1), at 6 p.m.—Meeting on "The Application of Data Processing in a Large Manufacturing Plant".

ROYAL GEOGRAPHICAL SOCIETY (at 1 Kensington Gore, London, S.W.7), at 6 p.m.—"The Great Highway" (colour films).

## APPOINTMENTS VACANT

APPLICATIONS are invited for the following appointments on or before the dates mentioned:

HOSPITAL PHYSICIAN, SENIOR GRADE (with previous experience) at Queen Elizabeth Hospital for Children, Hackney Road, London, E.2, for routine duties in diagnostic work and to participate in research on the immuno-assay of plasma hormones under the direction of the Consultant Pathologist—The Group Secretary, Administrative Offices, Hackney Hospital, London, E.9 (January 6).

SECRETARY TO THE FACULTY OF SCIENCE—The Secretary, Queen's College (University of St. Andrews), Dundee, Scotland (January 7).

LECTURERS (2) in the DEPARTMENT OF ELECTRONICS in the fields of integrated circuit design, or digital systems, or computer element design—The Secretary, The University, Southampton (January 12).

SENIOR LECTURER (with a degree in veterinary science registrable by the Queensland Veterinary Surgeon's Board, at least ten years' experience in veterinary practice, preferably general practice, and particularly interested in veterinary hospital and practice administration) IN VETERINARY MEDICINE

at the University of Queensland, Australia—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (London and Brisbane, January 13).

ASSISTANT LECTURER (with research experience either in inorganic chemistry or in the physical properties of polymers) in the DEPARTMENT OF CHEMISTRY—The Registrar, University of Essex, Wivenhoe Park, Colchester, Essex (January 16).

ASSISTANT AGRICULTURAL INSPECTOR (not over 35, with a university degree, or equivalent, with botany as a subject) at the Botanic Gardens, Dublin—The Secretary, Civil Service Commission, 45 Upper O'Connell Street, Dublin, 1, Republic of Ireland (January 18).

ASSISTANT LECTURER and a GRADUATE ASSISTANT (Programmers) in the DEPARTMENT OF COMPUTATION—The Registrar, University of York, Heslington, York (January 20).

LECTURER or ASSISTANT LECTURER (man or woman graduate) in BOTANY—The Secretary, Bedford College (University of London), Regent's Park, London, N.W.1 (January 21).

ASSOCIATE DEAN (Research) (veterinarian with advanced training, and a keen interest in the co-ordination of research with an academic programme)—The Dean, Ontario Veterinary College, University of Guelph, Guelph, Canada (January 23).

LECTURERS or ASSISTANT LECTURERS in PURE MATHEMATICS (for one of these posts preference will be given to applications from candidates whose research interest is in analysis) in the DEPARTMENT OF MATHEMATICS—The Registrar, University of York, Heslington, York (January 27).

SENIOR DEMONSTRATOR (with a degree in science, preferably with honours, some teaching experience, with specialization in zoology) in ZOOLOGY at the University College of Townsville, University of Queensland, Australia—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (London and Brisbane, January 27).

SECOND CHAIR OF GEOLOGY—The Secretary, University of Edinburgh, Old College, South Bridge, Edinburgh (January 30).

SENIOR LECTURER in METEOROLOGY in the DEPARTMENT OF MATHEMATICS, Victoria University of Wellington, New Zealand—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (New Zealand and London, January 31).

SECOND PROFESSOR (with a higher degree in engineering and university teaching and administrative experience at a senior level) of CIVIL ENGINEERING at the University of Queensland, Australia—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (London and Brisbane, February 3).

CORROSION RESEARCH SCIENTIST (preferably with an honours degree in science) in the CHEMISTRY DEPARTMENT, Department of Scientific and Industrial Research, Lower Hut, New Zealand—The High Commissioner for New Zealand, New Zealand House, Haymarket, London, S.W.1, quoting Ref. B 13/18/54/4849 (February 6).

LECTURERS or ASSISTANT LECTURERS in PHYSICAL CHEMISTRY (for one post preference may be given to candidates with a special interest or experience in the fields of either high polymers or surface chemistry)—The Registrar, The University, Leeds, 2 (February 7).

FELLOW IN PHYSICAL CHEMISTRY and a FELLOW IN INORGANIC CHEMISTRY (recently completed doctoral degrees) in the DEPARTMENT OF CHEMISTRY, to undertake research and teach in the Honours School of Chemistry for about six hours a week—The Registrar, University of York, Heslington, York (February 11).

CURATOR (with a good honours degree in botany and experience in the growth and maintenance of fungi in culture, and in taxonomic mycology) OF THE CULTURE COLLECTION—The Director, Commonwealth Mycological Institute, Ferry Lane, Kew, Surrey (February 15).

RESEARCH FELLOWS (2) IN DEMOGRAPHY AND SOCIOLOGY at the Institute of Advanced Studies, Australian National University, for the development of a new major project concerned with demographic and sociological aspects of the family in Australia—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, February 15).

LECTURERS and ASSISTANT LECTURERS (qualified in pure or applied mathematics) in MATHEMATICS—The Secretary of the University Court, The University, Glasgow (February 17).

CHIEF TECHNICIAN I (preferably with a knowledge of histology and cytology) in the Cytology Laboratory for duties which will include routine screening and participation in the teaching and research programme in connexion with cytology courses held under the auspices of the Ministry of Health—Dr. E. Wachtel, Institute of Obstetrics and Gynaecology, Hammer-smith Hospital, Du Cane Road, London, W.12.

DEMONSTRATORS and RESEARCH ASSISTANTS in the DEPARTMENT OF CHEMISTRY—Dr. W. C. Howell, University of Western Ontario, London, Ontario, Canada.

DIRECTOR (with a medical degree or an established reputation in the field of toxicology, extensive research experience in experimental pathology, pharmacology, toxicology or biochemistry, and prepared to foster international contacts on toxicological research) of the British Industrial Biological Research Association—The Secretary, BIBRA, Woodmansterne Road, Carshalton, Surrey.

EXPERIMENTAL PHYSICIST (ATOMIC PHYSICS) (preferably with interests in atomic collision or optical pumping phenomena); and a THEORETICAL PHYSICIST (preferably with interests in one of the following fields: atomic collisions, solid state physics (E.S.R.), plasma physics, elementary particle physics with application to astrophysical problems)—Dr. L. Krause, Head, Department of Physics, University of Windsor, Windsor, Ontario, Canada.

GRADUATE RESEARCH ASSISTANT in the DEPARTMENT OF SURGERY to assist with work in the experimental laboratories which will include experimental surgical procedures, use of electronic recording equipment and extraction of radioactive substances from tissues—The Secretary, Guy's Hospital Medical School, London Bridge, S.E.1.

JUNIOR RESEARCH FELLOW in PHYSICS—The Secretary, Balliol College, Oxford.

LECTURER (graduate with reprographic experience or qualified professional reprographer)—The Director, National Reprographic Centre for Documentation, Hatfield College of Technology, Hatfield, Herts.

LECTURER or ASSISTANT LECTURER (man or woman graduate) in BOTANY—The Secretary, Bedford College (University of London), Regent's Park, London, N.W.1.

ORGANIC CHEMISTS (with a good honours B.Sc. or equivalent and preferably experience in aliphatic or heterocyclic chemistry) to join a progressive research team for work of a basic long-range nature—The Director, Arthur D. Little Research Institute, Inveresk, Musselburgh, Midlothian.

PHYSIOLOGICAL ECOLOGIST (with a Ph.D. or equivalent, from a university of recognized standing, the ability to carry out independent research, and preferably experience in physiology or experimental ecology) with the Population Dynamics Section of the Freshwater Institute, Winnipeg, to carry out investigations on the ecology of feeding and growth of fishes—The