

## FORTHCOMING EVENTS

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

### Monday, April 30

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Discussion on "The Efficient Use of Technical Personnel", opened by Sir George H. Nelson, Bart.

### Tuesday, May 1

FARADAY SOCIETY (in the Physical Chemistry Lecture Theatre, Imperial College, London, S.W.7), at 5.15 p.m.—Prof. J. J. Hermans (Leyden): "The Physical Properties of Polymer Solutions"\* (Bourke Lecture).

### Tuesday, May 1—Wednesday, May 2

INSTITUTE OF FUEL (at Church House, Westminster, London, S.W.1), at 10 a.m.—Opening Conference of a Special Study of "Domestic Heating in the United Kingdom—Present and Future".\*

### Wednesday, May 2

ROYAL STATISTICAL SOCIETY (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5.15 p.m.—Miss Violet R. Cane: "Some Statistical Problems in Experimental Psychology".

UNIVERSITY OF LONDON (at Senate House, London, W.C.1), at 5.30 p.m.—Prof. E. C. Wassink (Netherlands): "Morphogenetic Effects of Restricted Spectral Regions of Light in Plants".\* (Further Lecture on May 3.)

SOCIETY FOR ANALYTICAL CHEMISTRY (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 7 p.m.—Dr. J. H. Hamence: "The Composition of Some Deposits and Muds in Estuaries, Rivers and Lakes".

### Wednesday, May 2—Friday, May 4

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2)—Convention on "Electrical Equipment of Aircraft".

### Thursday, May 3

FARADAY SOCIETY (in the Large Lecture Theatre, Chemistry Department, The University, Birmingham), at 4.30 p.m.—Prof. J. J. Hermans (Leyden): "Polyelectrolytes"\* (Bourke Lecture).

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Mr. E. D. Lowde: "Spin Fluctuation Scattering of Neutrons and the Ferromagnetic State in Iron"; Mr. R. J. Eden: "The Brueckner Theory of Nuclear Structure".

LINNEAN SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 5 p.m.—Dr. J. Rzoska: "Journeying Down the Nile".

UNIVERSITY COLLEGE, LONDON (in the Physiology Theatre, Gower Street, London, W.C.1), at 5 p.m.—Prof. N. L. Edson (University of Otago): "The Intermediate Metabolism of Carbohydrate in the Mycobacteria".\*

INSTITUTE OF REFRIGERATION (joint meeting with the LOW TEMPERATURE GROUP OF THE PHYSICAL SOCIETY, at the Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, S.W.1), at 5.30 p.m.—Dr. D. Smith: "The Use of Radioactive Techniques in Refrigeration Engineering".

INSTITUTION OF CHEMICAL ENGINEERS (at the Royal Institution, Albemarle Street, London, W.1), at 5.30 p.m.—Mr. H. G. Davey: "Some Problems in the Maintenance of Nuclear Reactors".

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 7.30 p.m.—Scientific Papers.

### Friday, May 4

FARADAY SOCIETY (in the Nicholson Lecture Theatre, Department of Organic Chemistry, The University, Liverpool), at 5 p.m.—Prof. J. J. Hermans (Leyden): "Light Scattering by Solutions"\* (Bourke Lecture).

INSTITUTION OF MECHANICAL ENGINEERS, HYDRAULICS GROUP (at 1 Birdcage Walk, Westminster, London, S.W.1), at 5.30 p.m.—Dr. S. P. Hutton: "Three Dimensional Motion in Axial Flow Impellers"; Dr. E. A. Spencer: "The Performance of an Axial Flow Pump".

INSTITUTE OF PHYSICS, NON-DESTRUCTIVE TESTING GROUP (at 47 Belgrave Square, London, S.W.1), at 6.30 p.m.—Symposium on "Principles of Penetrant Methods".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 9 p.m.—Prof. J. Z. Young, F.R.S.: "The Discrimination of Shapes by Animals and Machines".

## APPOINTMENTS VACANT

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

CHEMIST (with an honours degree in chemistry or A.R.I.C., or equivalent qualifications, and at least three years experience in the industrial chemistry field) at the Atomic Weapons Research Establishment, Aldermaston, Berks, for duties which will include the control of water-treatment plants, trade waste treatment and radioactive

effluent treatment and disposal systems, special laundry for contaminated protective clothing and the decontamination of plant and equipment—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting Ref. 1104/84 (May 2).

ANIMAL PHYSIOLOGIST (with an appropriate honours degree or equivalent qualification) to undertake experimental work with hill sheep—The Secretary, Hill Farming Research Organization, 48 Palmerston Place, Edinburgh 12 (May 5).

ASSISTANT, Grade B (with an honours degree in botany or zoology and able to teach both subjects to the advanced level of the general certificate of education), to TEACH BIOLOGY in the Natural Science Department—The Principal, Derby and District College of Technology, Normanton Road, Derby (May 5).

DEPUTY LIBRARIAN (Chartered Librarian)—The Registrar, College of Technology, Suffolk Street, Birmingham 1 (May 7).

LECTURER, Grade B (with a good honours degree of a British university, and preferably teaching experience) in MATHEMATICS—Clerk to the Governing Body, Battersea Polytechnic, London, S.W.11 (May 11).

ASSISTANT EXPERIMENTAL OFFICER (with a degree in botany or an allied biological science) in the DEPARTMENT OF PLANT BREEDING to assist with cytological studies of horticultural crops—The Secretary, John Innes Horticultural Institution, Bayfordbury, Hertford, Herts (May 12).

HEAD (with high academic qualifications in engineering with industrial, and, preferably, research experience, and capable of directing the teaching and administration of a large and expanding department) of the DEPARTMENT OF CIVIL, MECHANICAL AND MARINE ENGINEERING, City College of Technology, Liverpool—The Director of Education, 14 Sir Thomas Street, Liverpool (May 12).

SCIENTIFIC OFFICER or SENIOR SCIENTIFIC OFFICER (with a first- or second-class honours degree or equivalent in statistics or mathematics, and experience in design and analysis of scientific investigations, and preferably with some knowledge of forestry or other biological subject) at the FORESTRY COMMISSION RESEARCH STATION, near Farnham, Surrey, for statistical work—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.127/6A (May 12).

FELLOW IN THE DEPARTMENT OF PARTICLE PHYSICS to assist in the completion, operation and experimental use of a 10-BeV. proton synchrotron—The Registrar, Australian National University, Box 4, G.P.O., Canberra, A.C.T., Australia (May 14).

ASSISTANT LECTURER IN STATISTICS—The Registrar, The University, Hull (May 15).

LECTURER IN ZOOLOGY—The Secretary, The University, 38 North Bailey, Durham (May 15).

LECTURER (preferably with a qualification in physical organic chemistry, and an interest in infra-red spectroscopy) in ORGANIC CHEMISTRY, at the University of Adelaide, Australia—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, May 15).

FIELD PEDOLOGIST (with a university honours degree in science or agricultural science, preferably with postgraduate research experience), at the headquarters of the Division of Soils, Commonwealth Scientific and Industrial Research Organization, Adelaide, to undertake surveys and field studies of Australian soils—Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting Appointment No. 270/129 (May 19).

LECTURER IN TECHNICAL MATHEMATICS—The Assistant Secretary, The University, Edinburgh (May 19).

LECTURER (preferably with a veterinary qualification) in the DEPARTMENT OF VETERINARY PHYSIOLOGY—The Assistant Secretary, The University, Edinburgh (May 19).

LECTURER (preferably with some knowledge of microwave techniques) in ELECTRICAL ENGINEERING—The Registrar, The University, Sheffield (May 19).

RESEARCH BIOCHEMIST in the REGIONAL PASTORAL LABORATORIES, Division of Animal Health and Production, Commonwealth Scientific and Industrial Research Organization, Armidale, N.S.W., Australia, to conduct a series of investigations into biochemical aspects of the soil-plant-animal relationship, with particular reference to sulphur metabolism, as part of a general programme concerned with the utilization and management of native and sown pastures—Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting Appointment No. 208/83 (May 19).

ELECTRICAL ENGINEER OR PHYSICIST (with a first- or second-class honours degree or equivalent in electrical engineering or physics, and preferably with a good physics and electronics background) at an Air Ministry Experimental Establishment in Norfolk, for the development of airborne radio receiving and transmitting equipments and their associated aerial systems operating mainly on centimetric wave-lengths—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.134/6A (May 21).

RESEARCH FELLOW in the DEPARTMENT OF MATHEMATICAL PHYSICS—The Registrar, The University, Birmingham 15 (May 22).

LECTURER (Grade II) or ASSISTANT LECTURER (Grade III) in BOTANY—The Registrar, The University, Birmingham 15 (May 26).

RESEARCH FELLOWS (3) (with a good honours degree in physics, mechanical or chemical engineering) in the DEPARTMENT OF TEXTILE INDUSTRIES—The Registrar, The University, Leeds 2 (May 28).

LECTURER (with special experience in virus diseases) in MICROBIOLOGY—The Secretary, Queen's University, Belfast (May 30).

ASSISTANT LECTURER IN PHYSICS—The Registrar, University College of North Staffordshire, Keele, Staffs (May 31).

ASTRONOMER ROYAL FOR SCOTLAND AND PROFESSOR OF ASTRONOMY in the University of Edinburgh—The Private Secretary to the Secretary of State, St. Andrew's House, Edinburgh 1 (May 31).

BOTANIST (Assistant Experimental Officer grade) for developmental and anatomical studies of fruit—The Secretary, East Malling Research Station, near Maidstone, Kent (May 31).

LECTURER IN INDUSTRIAL METALLURGY—The Registrar, The University, Birmingham (June 1).