

## FORTHCOMING EVENTS

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

### Sunday, September 4—Wednesday, September 7

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (at Nottingham)  
—Continuation of 128th Annual Meeting.

#### Sunday, September 4

At 10.45 a.m.—Official Service at St. Mary's Church. Preacher: Canon D. R. Feaver.

#### Monday, September 5

At 10 a.m.—Prof. J. S. Weiner: "Aspects of Human Adaptation" (Presidential Address, Section H).

At 10 a.m.—Prof. J. N. Bradley: "Shock Waves in Chemistry and Physics" (Kelvin Lecture).

At 10 a.m.—Dr. D. Noble: "How the Heart Beats" (Darwin Lecture).

At 2.30 p.m.—Prof. R. L. F. Boyd: "The Rocket Age" (Young People's Lecture).

At 8 p.m.—Dr. N. Tinbergen, F.R.S.: "Behaviour as Equipment for Survival" (Evening Discourse).

#### Tuesday, September 6

At 11.30 a.m.—Prof. R. J. Ball: "Economic Model Building for Control" (Lister Lecture).

At 2.30 p.m.—Prof. A. R. Gemmill: "Biology and Crime" (Young People's Lecture).

### Monday, September 5—Friday, September 9

BRITISH PHARMACEUTICAL CONFERENCE (at Manchester)—103rd Annual Meeting.

#### Thursday, September 8

INSTITUTION OF CHEMICAL ENGINEERS (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 3 p.m.—Meeting on "The Further Education of the Graduate Chemical Engineer". Chairman: Mr. F. E. Warner. Speakers: Prof. Frank Morton, Mr. H. Arthur and Mr. John Kane.

## APPOINTMENTS VACANT

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

LECTURER or ASSISTANT LECTURER (with good professional qualifications and experience in ophthalmic optics or in a related science) IN THE OPHTHALMIC OPTICS SECTION OF THE DEPARTMENT OF PHYSICS—The Staff Officer, The University of Aston in Birmingham, Gosta Green, Birmingham, 4, quoting Ref. 495/2 (September 9).

LECTURER (graduate in science, already with, or wishing to have, experience and research opportunities in virology, including clinical virology) IN THE DEPARTMENT OF BACTERIOLOGY—The Secretary, The University, Aberdeen (September 10).

RESEARCH FELLOW (honours graduate in physics, electronic engineering or geology) at the Tidal Institute and Observatory, to join a research project concerned with the investigation on a regional basis of tides of the solid earth and associated phenomena—The Registrar, The University, Liverpool, 3, quoting Ref. CV/207/N (September 10).

SENIOR RESEARCH ASSISTANT or TEMPORARY ASSISTANT LECTURER IN THE DEPARTMENT OF SOCIOLOGY to contribute to the development of urban sociology and the study of consumer behaviour—The Secretary, University of Edinburgh, Old College, South Bridge, Edinburgh (September 11).

EXPERIMENTAL OFFICER or SENIOR TECHNICIAN IN THE RADIATION PROTECTION SERVICE which provides health physics services for the twenty-one departments in the University in which radioactive substances or ionizing radiations are used—Dr. D. Hughes, Radiation Protection Officer, The University, Leeds, 2 (September 12).

RESEARCH ASSISTANT (with a first- or upper second-class honours degree in botany, and special interests in plant pathology and fine structure of plant cells), and a TECHNICIAN (with experience in preparation, sectioning and electron microscopy of plant material) in connexion with research on electron microscopy of infection of plants by fungi—Prof. R. K. S. Wood, Botany and Plant Technology Department, Imperial College of Science and Technology, London, S.W.7 (September 12).

EXPERIMENTAL OFFICER (with H.N.C. or university ordinary degree in science, and experienced and interested in histological techniques) IN THE DEPARTMENT OF MICROBIOLOGY—The Professor of Microbiology, The Queen's University, Belfast, Northern Ireland (September 15).

TEACHING FELLOW IN MICROBIOLOGY at Rhodes University—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1, or The Registrar, Rhodes University, Grahamstown, South Africa (South Africa and London, September 15).

LECTURER IN THE MECHANICAL AND ENGINEERING PROPERTIES OF MATERIALS (with particular reference to polymeric materials)—The Registrar, The College of Aeronautics, Cranfield, Bedford (September 16).

RESEARCH ASSISTANT (graduate in either science or medicine) IN THE DEPARTMENT OF SURGICAL SCIENCE to work on experimental immunotherapy of cancer, under the direction of Prof. M. F. A. Woodruff—The Secretary, Department of Surgical Science, University of Edinburgh Medical School, Teviot Place, Edinburgh (September 17).

SENIOR RESEARCH FELLOW (graduate in engineering, mathematics or physics) IN THE SCHOOL OF ENGINEERING, to work on an analytical and experimental investigation of rolling contact phenomena—The Registrar, University College of Swansea, Singleton Park, Swansea, South Wales (September 17).

SCIENTIFIC OFFICER/SENIOR SCIENTIFIC OFFICER (with a good honours degree in botany or biology and preferably postgraduate experience in ecological research) to take part in the ecological studies of the Nature Conservancy's Conservation Research Division at its Monks Wood Experimental Station, Abbots Ripton, Huntingdon—The Natural Environment Research Council (E), State House, High Holborn, London, W.C.1 (September 24).

ASSISTANT BOTANIST (man or woman graduate) at Wisley for duties which will include advisory work, dealing with queries on plant physiology, genetics

and chemistry, plant identification, cataloguing and labelling and committee work—The Secretary, The Royal Horticultural Society, Vincent Square, London, S.W.1 (September 30).

CHEMIST (B.Sc. Hons.) IN THE AUCKLAND LABORATORY OF THE DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, to work with a small group of specialists in the field of industrial chemical research and service, including problems in plastics, waters and corrosion—The High Commissioner for New Zealand, New Zealand House, Haymarket, London, S.W.1, quoting Ref. B13/18/50/3234 (September 30).

JUNIOR DEMONSTRATOR (non-medical) (preferably with experience in some branch of endocrinology) IN THE DEPARTMENT OF PHYSIOLOGY to assist in the practical teaching of undergraduate students—Prof. A. A. Harper, The Department of Physiology, The Medical School, University of Newcastle upon Tyne, Newcastle upon Tyne, 1 (September 30).

LECTURER IN PHYSIOLOGY or BIOCHEMISTRY (with special reference to toxicology)—The Registrar (Room 39, O.R.B.), The University, Reading (September 30).

LECTURER IN THE DEPARTMENT OF PHYSICS—The Registrar, The University of Manchester Institute of Science and Technology, Sackville Street, Manchester, 1 (September 30).

LIBRARIAN to the proposed University of Bradford—The Registrar, Bradford Institute of Technology, Bradford, 7 (September 30).

ASSISTANT LECTURER (primarily interested in experimental psychology) IN PSYCHOLOGY—The Registrar, The University, Liverpool, quoting Ref. CV.216 (October 1).

ASSISTANT LECTURERS (2) in the Bland-Sutton Institute of Pathology—The Secretary, Middlesex Hospital Medical School, Mortimer Street, London, W.1 (October 1).

SECRETARY (with a degree or equivalent qualification in science or engineering and experience of administration) OF THE PHYSICS DEPARTMENT, for duties which will include responsibility for the technical staff of the Department, negotiations about research grants and detailed planning of a new building—Prof. Sir Nevill Mott, Cavendish Laboratory, University of Cambridge, Free School Lane, Cambridge (October 1).

LECTURER IN BIOCHEMISTRY at the University of Sydney, Australia—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, October 10).

DIRECTOR (medical graduate with substantial research experience) OF MEDICAL RESEARCH at the Kanematsu Memorial Institute—H. B. Beer, Chief Executive Officer, Sydney Hospital, Box 1614, G.P.O., Sydney, N.S.W., Australia (October 31).

READER IN HISTORY AND PHILOSOPHY OF SCIENCE—The Secretary-General of the Faculties, University of Cambridge, The Old Schools, Cambridge (November 16).

LECTURER/SENIOR LECTURER (with a degree in veterinary science registrable in the State of Victoria and postgraduate teaching or research experience in veterinary pathology) IN THE DEPARTMENT OF VETERINARY PARACLINICAL SCIENCE, University of Melbourne, Australia—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, November 30).

BIOCHEMIST for research on dental caries in relation to dietary factors with particular reference to carbohydrate; and a CHEMIST for research on modified flour and wheat starch and the study of potential commercial application of such products—The Director of Research, Research Association of British Flour Millers, Cereals Research Station, St. Albans, Herts.

BIOCHEMIST to collaborate in research into lipoprotein metabolism in children—The Secretary, Institute of Child Health, 30 Guilford Street, London, W.C.1, quoting Ref. CH/B.

BOTANIST (with a B.Sc. with botany as a main subject and national of, and permanently resident in, the United Kingdom or the Republic of Ireland) IN THE NATURAL CHEMOTHERAPEUTICS RESEARCH LABORATORY, KAMPALA, UGANDA, for work which will involve the identification and evaluation of local medicines for commercial exploitation—Ministry of Overseas Development, Room 404, Eland House, Stag Place, London, S.W.1, quoting Ref. No. RC205/183/030.

DEMONSTRATOR (graduate in biochemistry or chemistry) IN BIOCHEMISTRY—The Acting Registrar, University College of Wales, Aberystwyth.

ELECTRON MICROSCOPIST (with extensive experience in preparing thin sections and familiar with the maintenance and operation of the Siemens electron microscope) in the Electron Microscopy Unit for duties which will include maintenance, demonstrating the equipment to potential microscope users, assistance in the development and application of new cytochemical techniques, and possibly the supervision of other electron microscopists—The Secretary, Royal Free Hospital School of Medicine, 8 Hunter Street, London, W.C.1.

EXPERIMENTAL OFFICER (graduate in electrical or electronic engineering) for work in connexion with the University of London Inter-collegiate Research Service for Chemistry and Related Sciences and to be responsible for the running and maintenance of a Decca electron paramagnetic resonance spectrometer under the general supervision of Dr. K. D. Sales—The Registrar, Queen Mary College (University of London), Mile End Road, London, E.1.

LECTURER (honours graduate interested in general and social psychology) IN PSYCHOLOGY—The Principal, Lanchester College of Technology, Priory Street, Coventry.

MATHEMATICIANS to work on a wide range of problems arising from research into the utilization and distribution of electricity; topics include: arc physics, electro chemical reaction kinetics, solid state devices, magnetism, electrical distribution systems, heat transfer, and the application of mathematics to life science—D. C. Page, Head of Personnel Services, The Electricity Council Research Centre, Capenhurst, Chester, quoting Ref. N/29.

MEDICAL RESEARCH COUNCIL POSTDOCTORAL FELLOW IN THE DEPARTMENT OF PHYSIOLOGY—Dr. J. C. Brown, Department of Physiology, University of British Columbia, Vancouver, B.C., Canada.

PHYSICIST, BASIC GRADE (honours graduate, male or female, in physics) in a newly established medical physics department serving Cornwall and South-west Devon, based in new premises at Plymouth General Hospital—The Hospital Secretary, Plymouth General Hospital, North Friary House, Greenbank Terrace, Plymouth, Devonshire.

PHYSIOLOGIST/BIOPHYSICIST to study physiological response to controlled changes in environmental conditions—D. C. Page, Head of Personnel Services, The Electricity Council Research Centre, Capenhurst, Chester, quoting Ref. N/28.

POSTDOCTORAL FELLOW IN THE DEPARTMENT OF CHEMISTRY for work, supported by the S.R.C., on the photochemistry of aromatic compounds—Prof. D. Bryce-Smith, Department of Chemistry, University of Reading, Whiteknights Park, Reading.

RESEARCH ASSISTANT (graduate in engineering, mathematics, physics or geology, with research experience, preferably in materials science, applied mechanics, structural or engineering geology) to undertake original work on the engineering properties of rocks, the mechanics of rock fracture, the determination of stress and strain in rocks in situ, and the stability of rock slopes and excavations—The Registrar, The University, Sheffield, 10.