

## FORTHCOMING EVENTS

## Tuesday, September 26

INSTITUTE OF NAVIGATION (joint meeting with the ELECTRONIC ENGINEERING ASSOCIATION, at the Royal Geographical Society, 1 Kensington Gore, London, S.W.7), at 10 a.m.—Meeting on "The Transit Navigation Satellite System".

SOCIETY OF INSTRUMENT TECHNOLOGY (at Manson House, 26 Portland Place, London, W.1), at 7 p.m.—Dr. A. E. Balfour: "Underground Gasification of Coal—Some Features of Instrumentation"; Mr. A. E. Bennett: "Trends in Mining Instrumentation".

ROYAL SOCIETY (at the Royal Institution, 21 Albemarle Street, London, W.1), at 8.30 p.m.—Sir Lawrence Bragg, F.R.S.: "The Analysis of Protein Molecules by X-rays".

## Wednesday, September 27

BRITISH INSTITUTION OF RADIO ENGINEERS, LONDON SECTION (at University College, Gower Street, London, W.C.1), at 10.30 a.m.—All-day Symposium on "The New Graduateship Syllabus and the Institution's Recommendations for Practical Training".

BRITISH INSTITUTION OF RADIO ENGINEERS, LONDON SECTION (at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1), at 6 p.m.—Dr. P. E. Axon, Mr. K. Machein and Mr. Aubrey Harris: "Some Recent Developments in Television Tape Recording".

OIL AND COLOUR CHEMISTS ASSOCIATION (at Manson House, 26 Portland Place, London, W.1), at 7 p.m.—Mr. A. T. S. Rudram: "The Other Man's Technology".

## Wednesday, September 27—Friday, September 29

THE FACULTY OF THE HISTORY OF MEDICINE AND PHARMACY OF THE WORSHIPFUL SOCIETY OF APOTHECARIES OF LONDON; and the CHEMICAL SOCIETY (in London)—Second British Congress on the History of Medicine and Pharmacy. Theme: "Chemistry in the Service of Medicine".

## Thursday, September 28—Friday, September 29

SOCIETY OF CHEMICAL INDUSTRY, LONDON SECTION (in the William Beveridge Hall, Senate House, University of London, London, W.C.1), at 9.30 a.m. daily—Symposium on "Oxidation Processes in Chemical Manufacture".

## Friday, September 29

PHOTOBIOLOGY GROUP (in the Technical Optics Section, Imperial College of Science and Technology, South Kensington, London, S.W.7), during the afternoon—Scientific papers and demonstrations of instruments for the measurement of colour.

## APPOINTMENTS VACANT

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

RESEARCH ASSISTANT (with a good honours degree, a knowledge of French or German and the ability to draw maps) in THE DEPARTMENT OF GEOGRAPHY—The Registrar, The University, Leeds 2 (September 28).

DEPUTY LIBRARIAN (with a good honours degree and experience in a university or technical library)—The Librarian, Main Library, The University, Birmingham 15 (September 30).

RESEARCH ASSISTANT (graduate or postdoctoral), to work on rapid high temperature reaction kinetics, fundamental flame properties, flame spectroscopy and allied subjects—Dr. G. Dixon-Lewis, Houldsworth School of Applied Science, The University, Leeds 2 (September 30).

RESEARCH ASSISTANT (with a degree in botany, or equivalent qualifications) in THE DEPARTMENT OF BOTANY—Dr. A. G. Smith, Department of Botany, Queen's University, Belfast 7 (September 30).

HEAD (with suitable qualifications in either physiology or pharmacology, with experience both in research and teaching to university degree level) OF THE DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY—The Clerk to the Governors, Chelsea College of Science and Technology, Manresa Road, London, S.W.3 (October 2).

LECTURER IN THEORETICAL PHYSICS—The Secretary, Birkbeck College (University of London), Malet Street, London, W.C.1 (October 2).

LECTURER or ASSISTANT LECTURER (preferably with a special interest in either general or biochemical plant physiology) in THE DEPARTMENT OF BOTANY, University of Ghana—The Assistant Registrar (London), University of Ghana, 15 Gordon Square, London, W.C.1 (October 2).

LECTURER IN THEORETICAL PHYSICS—The Secretary, Birkbeck College, Malet Street, London, W.C.1 (October 2).

LECTURER IN VETERINARY PHYSIOLOGY—The Registrar, The University, Liverpool (October 2).

LECTURER or ASSISTANT LECTURER (preferably with special qualifications and interests in cytology and genetics, or protozoology, or in the ecology of terrestrial animals) in THE DEPARTMENT OF ZOOLOGY, University of Ghana—The Assistant Registrar (London), University of Ghana, 15 Gordon Square, London, W.C.1 (October 2).

SCIENTIFIC OFFICERS or SENIOR SCIENTIFIC OFFICERS (with a first- or second-class honours degree in chemistry or chemical engineering), to carry out research on the explosive properties of flammable dusts

and unstable compounds used in industry, as part of a programme of research on the suppression and inhibition of explosives, involving laboratory and pilot scale work on the development of suitable testing methods, and establishing the precautions necessary in industrial practice—The Director, Fire Research Station, Boreham Wood, Elstree, Herts, quoting F.R.S.Z (October 2).

SPECTROSCOPIST, Experimental Officer or Senior Experimental Officer grade (with a degree in physics or chemistry and experience in spectroscopy) in THE DEPARTMENT OF CHEMISTRY, to have general responsibility for the maintenance and use of a range of spectroscopic equipment, to collaborate with the teaching staff on research problems and to supervise required routine measurements—The Registrar, The University, Manchester 13 (October 2).

ASSISTANT CIVIL ENGINEERS (2) in THE ELECTRICAL DEPARTMENT, Ceylon, for work in connexion with the Hydro-electric Scheme—Ceylon High Commission, 13 Hyde Park Gardens, London, W.2 (October 6).

LECTURER (with a good honours degree in electrical engineering, and preferably with special interests in electrical machinery) in ELECTRICAL ENGINEERING—The Registrar, King's College, Strand, London, W.C.2 (October 6).

RESEARCH ASSISTANT (graduate in agriculture or science) in PIG HUSBANDRY in THE DEPARTMENT OF AGRICULTURE—The Registrar, The University, Leeds 2 (October 6).

SENIOR RESEARCH ASSISTANTS (2) in THE DEPARTMENT OF PHYSICS, to work in a D.S.I.R. supported group on spectroscopy at extreme infra-red and submillimetre wave-lengths, with scope for theoretical as well as experimental work—The Registrar, Queen Mary College, Mile End Road, London, E.1 (October 6).

SENIOR RESEARCH OFFICER (with a university degree and fisheries experience) in THE FISHERIES DIVISION, Department of Primary Industry, Canberra, Australia, to assist in planning and conduct of technical investigations and surveys of fisheries resources, and to examine biological and technical material—The Recruitment Officer, Australia House, Strand, London, W.C.2 (October 7).

SENIOR LECTURER or LECTURER (with special interest in agricultural economics and farm management), and a SENIOR LECTURER or LECTURER (with special interest in farm mechanization or soil conservation) in THE DEPARTMENT OF AGRICULTURAL ECONOMY, University of Ghana—The Assistant Registrar (London), University of Ghana, 15 Gordon Square, London, W.C.1 (October 9).

SENIOR LECTURER or LECTURER (with special interest in general agronomy or horticulture); a LECTURER (with special experience in crop protection or horticulture); and a RESEARCH FELLOW (with special interest in either horticulture or soil science) in THE DEPARTMENT OF CROP HUSBANDRY AND HORTICULTURE, University of Ghana—The Assistant Registrar (London), University of Ghana, 15 Gordon Square, London, W.C.1 (October 9).

LECTURER (with a science degree specializing in geology and research experience to Ph.D. or comparable level, and well trained in modern mineralogical techniques) in GEOLOGY at the University of Queensland, Australia—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (October 15).

LECTURERS or ASSISTANT LECTURERS (with a good honours degree, or equivalent qualifications, preferably with teaching and/or research experience) in STRUCTURAL and/or ECONOMIC GEOLOGY at the University of Malaya in Kuala Lumpur—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (October 15).

READER IN HUMAN GENETICS in the Department of Zoology, University of Melbourne, Australia—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (October 15).

COMBUSTION SCIENTIST (with a degree in chemistry, corporate membership of the Institute of Fuel an advantage; with research experience, preferably in problems related to combustion) in THE POWER GENERATION BRANCH, Research and Development Department, London, to define and assess new research problems related to combustion, to assist in planning where ensuing research work might best be carried out, to see that the results of research are applied to the greatest advantage, and to establish and maintain appropriate liaison within the industry and with outside bodies—The Appointments Officer, Central Electricity Generating Board, 24/30 Holborn, London, E.C.1, quoting N/406 (October 16).

SCIENTIFIC OFFICER (with a first- or second-class honours degree in physics or chemistry), for physico-chemical research on building materials and the interrelation of dimensional changes with pore structure and chemical changes—The Director, Building Research Station, Garston, Watford, Herts, quoting BRS.20ZY (October 16).

READER in MECHANICAL ENGINEERING (with special reference to lubrication) at Imperial College—The Academic Registrar, University of London, Senate House, London, W.C.1 (October 17).

LECTURER (to specialize in strength of materials; ability to lecture in other general mechanical engineering subjects an advantage) in MECHANICAL ENGINEERING at the Royal College, Nairobi—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (October 23).

FELLOW in THE DEPARTMENT OF DEMOGRAPHY, Institute of Advanced Studies, Australian National University—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, October 27).

LECTURER or SENIOR LECTURER in PURE MATHEMATICS at the University of New England, Armidale, N.S.W., Australia—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (October 27).

DEMONSTRATOR or SENIOR DEMONSTRATOR (with a minimum qualification of Bachelor of Science or Bachelor of Agricultural Science and at least two years research experience in genetics or cytology) in BOTANY at the University of Melbourne, Parkville, Australia—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (October 30).