

APPOINTMENTS VACANT

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

CHEMIST, Principal Scientific Officer or Senior Scientific Officer grade (with a first- or second-class honours degree, or equivalent, in chemistry and several years postgraduate experience in an appropriate field) at Headquarters, London, to initiate and progress research programmes to provide aircraft lubricants, fuels and hydraulic fluids of improved performance; to undertake liaison work in the related research and development fields (including test methods) with the aeronautical and oil industries; and to prepare and maintain specifications for the materials concerned—Ministry of Aviation, Est. 2/3.A.3, Room 516, Adelphi, John Adam Street, London, W.C.2, quoting Ref. HC/2D/852 (December 31).

CYTOLOGIST (with a good honours degree in science or medicine, and preferably experience in tissue culture and modern mammalian chromosome techniques)—The Director, Population Genetics Research Unit, Medical Research Council, Old Road, Headington, Oxford (December 31).

SPECIALIST MICROSCOPIST (with a first- or second-class honours degree in botany or an equivalent research qualification, a sound training in general chemistry and experienced in the application of modern microscopic techniques), to supervise a small team engaged in routine study of botanical and biological materials, and to take up the study of the microscopy of man-made and other fibres.—The Government Chemist, 13 Clement's Inn Passage, London, W.C.2, quoting E/AR/010 (December 31).

RESEARCH FELLOW (with an honours degree in botany or agriculture majoring in pasture ecology, crop husbandry or agricultural botany) in **PASTURE ECOLOGY** (Agrostology) at the University College of Rhodesia and Nyasaland, to initiate and carry out studies on grasses used in sown pastures in Rhodesia, as a member of a pasture ecology research team—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (January 10).

ASSISTANT LECTURER and **LECTURER IN APPLIED MATHEMATICS**—The Registrar, The University, Nottingham (January 12).

CHAIR OF CLINICAL CHEMISTRY—The Secretary, The University, Edinburgh (January 14).

LECTURER or **ASSISTANT LECTURER** IN **APPLIED MATHEMATICS, NUMERICAL ANALYSIS AND COMPUTING, OR STATISTICS**—The Registrar, The University, Nottingham (January 14).

PROFESSOR AND HEAD OF THE ELECTRICAL ENGINEERING DEPARTMENT—The Assistant Registrar, Kwame Nkrumah University of Science and Technology, 15 Gordon Square, London, W.C.1; or The Registrar, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana (January 15).

PROFESSOR AND HEAD OF THE MECHANICAL ENGINEERING DEPARTMENT—The Assistant Registrar, Kwame Nkrumah University of Science and Technology, 15 Gordon Square, London, W.C.1; or The Registrar, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana (January 15).

SCIENTIFIC INFORMATION OFFICER (with a botanical or agricultural degree, the ability to write correct English and a knowledge of German or other foreign language), for work which includes the abstracting and reviewing of biological literature—The Director, Commonwealth Bureau of Plant Breeding and Genetics, School of Agriculture, Cambridge (January 15).

ASSISTANT IN CHEMISTRY, with duties primarily in organic chemistry, in St. Salvator's College—The Secretary, The University, College Gate, St. Andrews (January 19).

ASSOCIATE PROFESSOR IN **EXPERIMENTAL PSYCHOLOGY**; and a **LECTURER** IN **PSYCHOLOGY** at the University of Sydney, Australia—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, January 25).

DEPUTY LIBRARIAN (with a good honours degree and experience of work in a university library, and preferably professional qualifications) OF THE **UNIVERSITY LIBRARY**, Newcastle upon Tyne—The Secretary, King's College (University of Durham), Newcastle upon Tyne (January 31).

LECTURER or **SENIOR LECTURER** (preferably with experience in the physico-chemical study of macromolecules) IN **PHYSICAL CHEMISTRY** at the University of Melbourne—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, January 31).

LECTURER (qualified in mathematical statistics) IN **STATISTICS**—The Secretary of University Court, The University, Glasgow (January 31).

RESEARCH FELLOW (with a degree in science, medicine or veterinary science, postgraduate experience in research, and a working knowledge of the parasitic arthropods) IN **PARASITOLOGY**—The Registrar, University of Queensland, Brisbane, Queensland, Australia (January 31).

SENIOR LECTURER; and **LECTURERS** (2) IN THE **SCHOOL OF PHYSICS**, University of Sydney—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, January 31).

SENIOR LECTURER IN **GEOLOGY** (Petroleum Geologist) (January 31); a **LECTURER** IN **CHEMISTRY** (January 11); a **LECTURER** IN **PHYSICS** (January 4); and a **LECTURER** IN **ZOOLOGY** (January 4) 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 (applications close on the dates shown in parentheses).

SENIOR LECTURER or **LECTURER** (with an honours, or higher degree, or other approved higher qualifications, and preferably some teaching experience) IN **MATHEMATICS** at the South Australian Institute of Technology, Adelaide—The Agent-General for South Australia, Strand, London, W.C.2 (January 31).

SENIOR TUTOR/DEMONSTRATOR (with a degree in science or engineering and some teaching and/or computer experience) IN THE **BASSETT COMPUTING DEPARTMENT** of the School of Physics, University of Sydney—The Secretary, Association of Universities of the

British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, January 31).

IMPERIAL CHEMICAL INDUSTRIES RESEARCH FELLOWS IN **CHEMISTRY, BIOLOGICAL CHEMISTRY, ENGINEERING, PHARMACOLOGY, PHYSICS** or in a related subject—The Registrar, The University, Bristol 8 (February 1).

PROFESSOR AND HEAD OF THE DEPARTMENT OF PHYSICS—The Secretary and Registrar, University College of North Wales, Bangor, North Wales (February 8).

PROFESSOR OF PSYCHOLOGY—The Secretary and Registrar, University College of North Wales, Bangor, North Wales (February 8).

ASSISTANT (preferably with an interest in the biochemistry of micro-organisms) IN **BIOCHEMISTRY**—The Secretary of University Court, The University, Glasgow (February 15).

LECTURER IN THE **DEPARTMENT OF BIOCHEMISTRY**—The Registrar, The University, Liverpool 3, quoting Ref. CV/211/N (March 1).

ASSISTANT PROFESSORS; ASSOCIATE PROFESSORS and **PROFESSORS** IN THE **DEPARTMENT OF MATHEMATICS**—Prof. M. Wyman, Mathematics Department, University of Alberta, Edmonton, Alberta, Canada.

ASSISTANT SENIOR CHEMIST (with a degree in chemistry or equivalent qualification, experience in modern analytical techniques and preferably experience in the treatment and disposal of effluents) in the Central Laboratories of the West Midlands Gas Board, Necess, Birmingham—The Personnel Manager, West Midlands Gas Board, 5 Wharf Lane, Solihull, Warwickshire.

ASSOCIATE PROFESSOR IN **MATHEMATICS**; an **ASSISTANT PROFESSOR** IN **PHYSICS**; and an **ASSISTANT PROFESSOR** IN **BIOCHEMISTRY**—The Chairman, Division of Natural Sciences, University of Saskatchewan, Regina Campus, Regina, Saskatchewan, Canada.

LECTURER (with an interest in physical metallurgy) IN **CHEMICAL ENGINEERING** at the University of the West Indies—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1.

MATHEMATICS MASTER (with a first-class degree)—The Head Master, Westminster School, 17 Dean's Yard, Westminster, London, S.W.1.

READER (with substantial research experience) IN **CONTROL SYSTEMS ENGINEERING** IN THE **DEPARTMENT OF ELECTRICAL ENGINEERING**—Dr. J. H. Calderwood, Royal College of Advanced Technology, Salford 5, Lancs.

RESEARCH ASSISTANT (with a medical or science degree) IN THE **SURGICAL UNIT**, to work on human tumours in tissue-culture and the effects on them of chemotherapeutic agents—The Secretary, St. Mary's Hospital Medical School, Paddington, London, W.2.

RESEARCH ASSISTANTS and **GRADUATE TEACHING ASSISTANTS** (students studying for degrees of Ph.D. and M.Sc. in chemistry)—Dr. H. E. Gunning, Head, Department of Chemistry, University of Alberta, Edmonton, Alberta, Canada.

RESEARCH ASSISTANT (B.Sc., preferably with experience of radioactive isotope tracer work) IN THE **MEDICAL UNIT**, to engage in studies of calcium metabolism—The House Governor, St. Mary's Hospital, Paddington, London, W.2.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Aslib Cranfield Research Project. Report on the Testing and Analysis of an Investigation into the Comparative Efficiency of Indexing Systems. By Cyril W. Cleverdon. (An investigation supported by a grant to Aslib by the National Science Foundation.) Pp. 305. (Cranfield: Aslib Cranfield Research Project, College of Aeronautics Library, 1962.) [2410]

Royal Institute of Chemistry. Monographs for Teachers, No. 6: Principles of Titrimetric Analysis. By Dr. E. E. Aynsley and A. B. Littlewood. Pp. vi+42. (London: Royal Institute of Chemistry, 1962.) 4s. 6d. [2410]

Ministry of Agriculture, Fisheries and Food. Fishery Investigations Series 1, Vol. 6, No. 3: Hydrographical Survey of the River Tyne. By A. Swain and O. F. Newman. Pp. ii+46. (London: H.M. Stationery Office, 1962.) 15s. net. [2410]

The Cotton Silk and Man-Made Fibres Research Association. Report of the Council and Statement of Accounts for the year ended 31st March, 1962. Pp. 24. (Didsbury, Manchester: The Cotton Silk and Man-Made Fibres Research Association, 1962.) [2410]

Ministry of Education. Grants to Students—First Degree and Comparable Courses. Pp. 8. (London: Ministry of Education, 1962.) [2610]

Wye College (University of London). Department of Hop Research Annual Report, 1961, (from 1st April, 1961 to 31st March, 1962). Pp. vi+109. (Ashford, Kent: Wye College, 1962.) 6s. [2610]

Ministry of Power. Safety in Mines Research 1961—Fortieth Annual Report. Pp. 80+4 plates. (London: H.M. Stationery Office, 1962.) 5s. 6d. net. [2610]

Central Youth Employment Executive. Choice of Careers, No. 111: The Veterinary Scientist. Pp. 32 (4 plates). (London: H.M. Stationery Office, 1962.) 1s. net. [3010]

Safety in Mines Research Establishment. Research Report No. 201: Dust Explosions in Factories—a Review of the Literature. By K. C. Brown and Dr. G. J. James. Pp. 67. (Sheffield: Ministry of Power, Safety in Mines Research Establishment, 1962.) 6s. 6d. [3010]

United States Information Service. The Military Build-up in Cuba. (President Kennedy's Statement to the American People, Monday, October 22, 1962.) Pp. 8. Berlin in Brief: a Review of the American Position and the Issues up to September, 1962. Pp. 16. (London: United States Information Service, American Embassy, 1962.) [3010]

Planning, Vol. 28, No. 466, (29 October, 1962): Location of Industry. By Michael Chisholm. Pp. 323-366. (London: Political and Economic Planning, 1962.) 5s. [3010]

Bulletin of the British Museum (Natural History). Entomology, Vol. 12, No. 8: Holarctic Sawflies (Hymenoptera: Symphyta). By Robert B. Benson. Pp. 379-409. 10s. Vol. 13, No. 1: A Revision of