

## APPOINTMENTS VACANT

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

MAP CURATOR AND LIBRARIAN (preferably with qualifications in geography and in librarianship) IN THE DEPARTMENT OF GEOGRAPHY—The Registrar, The University, Sheffield (August 25).

LECTURER (with a good degree in physics, teaching and research or industrial experience, and preferably special qualifications in some branch of applied physics) IN PHYSICS—The Principal, Acton Technical College, High Street, Acton, London, W.3 (August 25).

PLANT PHYSIOLOGIST (with a good honours degree in botany or agricultural botany)—The Registrar, University College of Wales, Aberystwyth (August 25).

CHEMISTS (with a first- or second-class honours degree) at the North Thames Gas Board's Chemical By-Products Works, Beckton, East Ham, London, E.6, for research on problems in connexion with coal tar distillation, and the manufacture of phenols, naphthalene and bases—The Staff Controller, North Thames Gas Board, 30 Kensington Church Street, London, W.8, quoting Ref. 666/288 (August 27).

ASSISTANT IN ELECTRICAL ENGINEERING—The Secretary of the University Court, The University, Glasgow (August 31).

ASSISTANT LECTURER IN THE DEPARTMENT OF PHILOSOPHY—The Registrar, University College of Wales, Aberystwyth (August 31).

ASSISTANT LIBRARIAN (with some experience in a scientific or technical library) IN THE SCIENCE AND TECHNOLOGY SECTION OF THE UNIVERSITY LIBRARY—The Librarian, The University, Edmund Street, Birmingham 3 (August 31).

DISTRICT (Forest) OFFICERS (with, or obtain in summer 1956, a university degree or diploma in forestry, or a postgraduate degree in a forestry subject)—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting Ref. No. 146/56/1 (August 31).

LECTURER IN THE DEPARTMENT OF METALLURGY to lecture in X-ray metallography and the thermodynamics of alloys—The Registrar, The University, Liverpool (August 31).

LECTURER IN ANIMAL HUSBANDRY AND PREVENTIVE MEDICINE at the University Veterinary School—The Secretary of the University Court, The University, Glasgow (August 31).

LECTURER (preferably with experience in tropical plant physiology) IN PLANT PHYSIOLOGY at University College, Ibadan, Nigeria—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (August 31).

ASSISTANT PHYSICIST, Basic grade (with a good honours degree in physics and preferably experience in electronics and nuclear physics techniques) IN THE PHYSICS DEPARTMENT of the Sheffield National Centre for Radiotherapy—The Secretary, Sheffield Regional Hospital Board, "Broom Cross", Tree Root Walk, Sheffield 10 (September 1).

BIOCHEMIST (with an appropriate science degree of a university of Great Britain or associateship of the R.I.C.) for duties at the Harrogate and District General Hospital and Royal Bath Hospital—The Group Secretary, Harrogate and Ripon Hospital Management Committee, Hereford Lodge, Cornwall Road, Harrogate (September 1).

PRINCIPAL (graduate of a British university, with teaching and, if possible, some administrative and industrial experience) OF BRADFORD TECHNICAL COLLEGE—The Director of Education, Town Hall, Bradford (September 1).

RESEARCH FELLOW (with a good honours degree either in engineering, physics or mathematics, and preferably some practical experience) IN ENGINEERING—The Registrar, The University, Nottingham (September 1).

SENIOR LECTURER IN THE DEPARTMENT OF NATURAL PHILOSOPHY—The Secretary, The University, Edinburgh (September 1).

DEMONSTRATOR IN GEOLOGY—The Registrar, King's College, Newcastle-upon-Tyne (September 4).

LABORATORY ASSISTANT (preferably with laboratory experience) at Ealing Technical College—The Principal, Ealing Technical College, St. Mary's Road, Ealing, London, W.5, quoting "T.323.N" (September 10).

RESEARCH FELLOW or JUNIOR RESEARCH FELLOW (organic chemist with research experience, preferably on natural products) at the University College of the West Indies—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (September 10).

PHYSICIST or PHYSICAL CHEMIST (with an honours degree in physics and a good knowledge of instrumentation) to work in the new Research Department of Anaesthetics—The Secretary, Faculty of Anaesthetists, Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2 (September 12).

UNIVERSITY DEMONSTRATOR (with an honours degree in pure science with organic chemistry and biochemistry as principal subjects) IN ANIMAL NUTRITION—The Secretary, School of Agriculture, The University, Cambridge (September 12).

SENIOR LECTURER (graduate in agriculture or pure science) in charge of an Agricultural Research Station to be established in the Forest Region of the Gold Coast (University College of the Gold Coast), for the study of soils and crop production—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (September 27).

HEAD OF THE DEPARTMENT OF PHYSIOLOGY; and a SENIOR PRINCIPAL SCIENTIFIC OFFICER IN THE EXPERIMENTAL PATHOLOGY DEPARTMENT—The Director, Institute of Animal Physiology, Babraham Hall, Babraham, Cambridge (November 15).

ASSISTANT PROFESSOR (with teaching experience and research interests in inorganic or physical chemistry) IN CHEMISTRY—Prof. C. A. McDowell, Department of Chemistry, University of British Columbia, Vancouver 8, B.C., Canada.

BOTANIST (with postgraduate research experience) for work on the seasonal accumulation, translocation and utilization of reserve materials in fruit trees, to extend the knowledge of tree growth, flowering and fruiting already being obtained by methods of growth analysis; and a BIOCHEMIST (with postgraduate research experience) for work on the metabolism of fruit plants—The Secretary, East Malling Research Station, near Maidstone, Kent.

CHEMICAL ENGINEER (with a degree in chemical engineering and research experience) at a research institute in Aberdeen for research on smell suppression in the manufacture of fish meal—The Herring Industry Board, 1 Glenfinlas Street, Edinburgh 3.

CHEMIST (with an honours degree in chemistry or agriculture with a strong chemical bias, followed by postgraduate training in soils work and general ecology) IN THE DEPARTMENT OF AGRICULTURE, Tanganyika, to work as a member of a team investigating soil fertility problems and surveying new development areas—The Director of Recruitment, Colonial Office, London, S.W.1, quoting BCD.63/8/20.

DEPUTY DIRECTOR (with good academic qualifications and record for research work, preferably experience of tropical tree crops, including cocoa, and the working of a research institute) OF THE WEST AFRICAN COCOA RESEARCH INSTITUTE, Gold Coast, to take charge of the research work and administration of the Institute's Sub-station at Ibadan, Nigeria—The Director of Recruitment, Colonial Office, London, S.W.1, quoting BCD.197/200/016.

LECTURER or ASSISTANT LECTURER (with a university degree in electrical engineering and practical experience in the electrical industry) IN THE DEPARTMENT OF ELECTRICAL ENGINEERING—The Principal, Northampton Polytechnic, St. John Street, London, E.C.1.

LECTURER (with a good honours degree in science or horticulture and preferably some postgraduate research experience) IN HORTICULTURAL SCIENCE—The Registrar, The University, Bristol 8.

LECTURERS IN AGRICULTURE—The Bursar, Royal Agricultural College, Cirencester.

METALLURGIST, CHEMIST or PHYSICIST (with a degree), IN THE INFORMATION DEPARTMENT, for work dealing with every aspect of the recording and transmission of information on the extraction, manufacture and uses of non-ferrous metals and their alloys—The Secretary, British Non-Ferrous Metals Research Association, Euston Street, London, N.W.1.

PHYSICAL CHEMIST, Principal or Senior Scientific Officer grade (with a first- or second-class honours degree in physical or inorganic chemistry, and an experienced physical chemist with a special interest in thermodynamics), to direct a team engaged in research relating to reactors—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting Ref. 1206/34.

RESEARCH CHEMICAL ENGINEER (with a first- or second-class honours degree in chemical engineering or in chemistry, a strong interest in applied physical chemistry problems, and preferably some research experience in chemical engineering or physical chemistry), to undertake investigations into the chemical and chemical engineering aspects of new processes under development in the atomic energy field—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting Ref. 1227/34.

RESEARCH WORKERS (with a first-class degree in engineering, physics or applied mathematics and several years research experience) IN THE MECHANICAL ENGINEERING DEPARTMENT, for research on combustion involving the solution of theoretical problems by network analogue, etc., and experiments on flames—Dr. D. B. Spalding, Imperial College of Science and Technology, London, S.W.7.

SENIOR and JUNIOR RESEARCH FELLOWS (Chemists and Physicists) IN THE DEPARTMENT OF GLASS TECHNOLOGY, to work on the problems of the glassy state—Prof. R. W. Douglas, Department of Glass Technology, The University, Sheffield 10.

SENIOR LABORATORY STeward (male or female, preferably with some general experience in a laboratory and G.C.E. in physics) IN THE PHYSICS LABORATORIES—The Clerk to the Governors, Woolwich Polytechnic, London, S.E.18.

SENIOR SCIENTIFIC OFFICER or SCIENTIFIC OFFICER (with a first- or second-class honours degree in physics and background experience in solid-state physics with at least three years postgraduate research experience, and preferably experience of spectroscopy or electronics) to investigate certain physical aspects of the detonation of solid high explosives and of the propagation of intense shock waves through solids and gases—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting Ref. 1228/34.

SENIOR SCIENTIFIC OFFICERS (with an honours degree or equivalent, and preferably some industrial and technical experience); and SCIENTIFIC OFFICERS (preferably with an honours degree or equivalent), for work which will include research into problems connected with the coking industry, the preparation of technical reports, and may involve participation in operational research in the provinces from time time—The Secretary, The British Coke Research Association, 74 Grosvenor Street, London, W.1.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

What We Are Doing, No. 4 (June, 1956). (Bulletin of the British Paper and Board Industry Research Association.) Pp. 32. (Kenley: British Paper and Board Industry Research Association, 1956.) [56]

Report of the Astronomer Royal to the Board of Visitors of the Royal Greenwich Observatory. Pp. 22. (Herstmonceux: Royal Greenwich Observatory, 1956.) [56]

British Society for the Promotion of Vegetable Research: National Vegetable Research Station. Sixth Annual Report, 1955 (Oct. 1954–Sept. 1955). Pp. viii + 72. (Wellesbourne, Warwick: National Vegetable Research Station, 1956.) [116]

Department of Scientific and Industrial Research. Report of the Water Pollution Research Board with the Report of the Director of Water Pollution Research for the year 1955. Pp. vi + 81 + 4 plates. (London: H.M. Stationery Office, 1956.) 4s. net. [116]

British Non-Ferrous Metals Research Association. Development Report No. 56: Productivity in Electroplating: a Survey of a Cross-Section of the Electroplating Industry. By G. A. Edwards and E. A. Ollard. Pp. 43. (London: British Non-Ferrous Metals Research Association, 1956.) [116]