

APPOINTMENTS VACANT

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

BIOCHEMIST (fully qualified with training and experience in hospital laboratories)—The Superintendent, Hope Hospital, Salford 6 (August 16).

ASSISTANT IN MATHEMATICS—The Secretary, The University, Edinburgh (August 21).

ASSISTANT IN THE DEPARTMENT OF GEOGRAPHY—The Secretary, The University, Edinburgh (August 23).

ASSISTANT PROFESSOR IN THE PHYSICS AND ELECTRICAL ENGINEERING DEPARTMENT—The Director of Studies, Royal Naval College, Greenwich, London, S.E.10 (August 23).

CHEMIST (with honours degree in chemistry or A.R.I.C. and post-graduate analytical and research experience) at the Central Laboratory at County Hall—The Medical Officer of Health (PH/D.1), London County Council, County Hall, London, S.E.1 (August 23).

LECTURER IN PHYSIOLOGY AND PHARMACOLOGY in the School of Pharmacy—The Principal, Technical College, Dundee (August 23).

RESEARCH DEMONSTRATOR IN ZOOLOGY—The Registrar, The University, Sheffield (August 23).

SENIOR LECTURER IN METALLURGY (with a wide knowledge of the metallurgical industry, with detailed knowledge of at least one branch of importance locally) in the Department of Applied Science, Wolverhampton and Staffordshire Technical College—The Clerk to the Joint Educational Committee, Education Offices, North Street, Wolverhampton (August 23).

HEAD OF THE DEPARTMENT OF SCIENCE (comprising chemistry, physics, biology, mathematics)—The Principal, College for Further Education, Wellington Road South, Stockport (August 27).

PLANT PHYSIOLOGIST (with a good honours degree in botany, with special reference to plant physiology, and preferably some post-graduate experience) under the Colonial Development Welfare Cocoa Research Scheme, Trinidad—The Secretary, Imperial College of Tropical Agriculture, 40 Norfolk Street, London, W.C.2 (August 29).

SOIL CHEMISTS AND SOIL SURVEYORS (with a good honours degree in chemistry (or geology for soil surveyors) and, preferably, some post-graduate experience) under Colonial Development and Welfare Research Schemes for Soils and for Cocoa, Trinidad—The Secretary, Imperial College of Tropical Agriculture, 40 Norfolk Street, London, W.C.2 (August 29).

ASSISTANT IN THE DEPARTMENT OF ANIMAL HUSBANDRY AND PREVENTIVE MEDICINE in the University Veterinary School—The Assistant Secretary of University Court, The University, Glasgow (August 30).

ASSISTANT LECTURER IN GEOLOGY (with special qualifications in petrology)—The Registrar, The University, Sheffield (August 30).

ASSISTANT LECTURER OR LECTURER IN THE DEPARTMENT OF ELECTRIC POWER ENGINEERING—The Registrar, The University, Liverpool (August 30).

OPERATIONAL RESEARCH POSTS IN THE FIELD INVESTIGATION GROUP of the Directorate of Scientific Control—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, quoting TT/511 (August 30).

RESEARCH OFFICER (with an honours degree in zoology or agricultural science, or equivalent, with first-hand experience in the conduct of field ecological investigations on either mammals or birds) in the WILDLIFE SURVEY SECTION of the Commonwealth Scientific and Industrial Research Organization, either at headquarters at Canberra or at the field station at Albury, N.S.W., to undertake field ecological studies of mammals and birds of economic importance—The Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting No. 3925 (August 30).

TEACHER OF CHEMISTRY, and a **TEACHER OF PHYSICS**, to undertake part-time teaching of intermediate standard—The Registrar, Nottingham and District Technical College, Shakespeare Street, Nottingham (August 31).

EXAMINERS IN CHEMISTRY AND PHYSICS, BIOLOGY (Botany and Zoology), **PHYSIOLOGY** (including Biochemistry) of the DOMESTICATED ANIMALS, **HISTOLOGY AND EMBRYOLOGY, ANIMAL MANAGEMENT, ANATOMY OF THE DOMESTICATED ANIMALS, PHARMACOLOGY, MATERIA MEDICA AND PHARMACY, VETERINARY HYGIENE, DIETETICS AND ANIMAL HUSBANDRY, VETERINARY PATHOLOGY, VETERINARY PARASITOLOGY, VETERINARY MEDICINE, VETERINARY SURGERY**—The Registrar, Royal College of Veterinary Surgeons, 9-10 Red Lion Square, London, W.C.1 (September 1).

PRINCIPAL SCIENTIFIC OFFICER (with a first- or second-class honours degree in engineering, mathematics or physics, or equivalent qualifications) at the Mechanical Engineering Research Laboratory, East Kilbride, Glasgow, to lead a small team on work initially concerned mainly with the general field of stress analysis, both analytical and experimental, and later including vibration and photo-elasticity—The Civil Service Commission, Scientific Branch, Trinidad House, Old Burlington Street, London, W.1, quoting S.4159/52 (September 4).

RESEARCH OFFICER—PHYSICAL CHEMIST (with University honours degree in physics or chemistry, or equivalent qualification) in the DIVISION OF FOOD PRESERVATION AND TRANSPORT at the University of Sydney, for studies in the physical chemistry of proteins—The Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting No. 3932 (September 6).

LECTURER IN PHYSICS at University College, Dundee—The Secretary, The University, St. Andrews (September 8).

UNIVERSITY GRADUATE (with first- or second-class honours in botany, with qualifications in mycology) in the MICROBIOLOGICAL SECTION of the Department of Soil Organic Matter—The Secretary, Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen (September 12).

EXPERIMENTAL OFFICERS at the Atomic Energy Research Establishment, Harwell, for mechanical engineering experimental and developmental work—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting A.209/52A (September 13).

LECTURER OR ASSISTANT LECTURER IN BIOCHEMISTRY—The Registrar, The University, Sheffield (September 13).

UNIVERSITY LECTURER IN PHILOSOPHY OF SCIENCE—Mr. L. M. Harvey, The Old Schools, Cambridge (September 14).

LECTURER, Grade II (graduate in pure or applied science or its equivalent, with bacteriology as a major subject) in **PATHOLOGY** at the University of Queensland—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (September 15).

PRINCIPAL SCIENTIFIC OFFICER and a **SENIOR SCIENTIFIC OFFICER** at a Ministry of Supply Experimental Flying Establishment near Salisbury: **PRINCIPAL SCIENTIFIC OFFICER** (engineer or physicist with mathematical ability or an applied mathematician with a practical outlook) to control staff engaged mainly in research and development of flight testing methods and techniques; **SENIOR SCIENTIFIC OFFICER** (engineer, physicist or applied mathematician with some experience in aeronautical research) to undertake theoretical and analytical work on the development of helicopter testing techniques and general research on helicopter flight problems—The Civil Service Commission, Scientific Branch, Trinidad House, Old Burlington Street, London, W.1, quoting S.4160/52 (September 25).

SENIOR LECTURER IN GENERAL CHEMISTRY at the University of Melbourne—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (October 31).

ASSISTANT (Grade A or B according to qualifications and experience) IN THE MATHEMATICS DEPARTMENT—The Principal, Derby Technical College, Normanton Road, Derby.

ASSISTANT LECTURER IN NATURAL PHILOSOPHY—The Secretary, Royal Technical College, Glasgow.

ASSISTANT LECTURER, Grade B (with a University degree) to teach botany and zoology at intermediate standard and physiology and anatomy for ophthalmic optics—The Principal, West Ham College of Technology, Romford Road, London, E.15.

BIOCHEMIST (with an appropriate science degree or the A.R.I.C.) in the DEPARTMENT OF PATHOLOGY—The Group Secretary, Royal Infirmary, Bolton.

CHEMISTS (Principal Scientific Officer or Senior Scientific Officer grade) at Ministry of Supply London headquarters: duties include the initiation and progressing of research and development on textiles for service purposes—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting F.533/52A.

CHEMISTS AND CHEMICAL ENGINEERS (Senior Scientific Officer grade) at Ministry of Supply London headquarters for work concerned with guided weapons: (a) to sponsor the development and exploitation of new materials, structures, and technical development for engineering processes (Ref. F.519/52A); (b) to assess the relative performance of different propellants and warheads under service conditions and to progress and assist development work on them (Ref. F.520/52A)—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting the appropriate Ref. No.

ELECTRICAL ENGINEERS AND PHYSICISTS (with a first- or second-class honours degree or equivalent in electrical engineering or physics) (Scientific Officer grade) at the Royal Aircraft Establishment, Farnborough—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting D.302/52A.

JUNIOR ANALYST (with good experience in metallurgical analytical work)—The Secretary, British Welding Research Association, 29 Park Crescent, London, W.1.

MYCOLOGIST (with rank of Assistant Professor) in the **BOTANY DEPARTMENT**—The Chairman, Department of Botany, McGill University, Montreal 2, Canada (apply by airmail).

RESEARCH ENGINEER (B.Sc. or equivalent, and some engineering workshop and drawing office experience essential) for design and testing of experimental equipment—The Assistant Secretary (Ref. A.19), British Coal Utilization Research Association, Randall Road, Leatherhead, Surrey.

SCIENTIFIC OFFICER (with a first- or second-class honours degree in chemistry, physics or chemical engineering) at the Food Investigation's new Humber Laboratory, Hull, to carry out research in physical and physico-chemical problems on the preservation of fish by smoking, drying, etc.—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting F.303/52A.

SENIOR PHYSICIST (with experience in medical physics) for Radiotherapy Service of the Southampton area—The Secretary, Southampton Group Hospital Management Committee, Bullar Street, Southampton.

SENIOR SERVICES ENGINEER in the Division of Atomic Energy (Production), Capenhurst, Chester, to be directly responsible to the Chief Factory Engineer for all the engineering services (electrical, civil, mechanical) and the associated workshops required in the operation and maintenance of a large chemical engineering factory—The Ministry of Supply, Division of Atomic Energy (Production), Risley, Warrington, Lancs, quoting Ref. 358.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Department of Scientific and Industrial Research and Fire Offices' Committee. Fire Research Special Report No. 1: The Heating of Panels by Flue Pipes. By D. I. Lawson, L. L. Fox and C. T. Webster. Pp. vi+41+4 plates. (London: H.M. Stationery Office, 1952.) 2s. 6d. net. [125]

Colonial Geological Surveys: Mineral Resources Division. Vermiculite. By Dr. E. R. Varley. Pp. iv+70. (London: H.M. Stationery Office, 1952.) 7s. 6d. net. [135]

Units and Standards of Measurement employed at the National Physical Laboratory. 2: Light; Photometry, Colorimetry and Radiometry. Pp. 8. (London: H.M. Stationery Office, 1952.) 6d. net. [145]