

## FORTHCOMING EVENTS

Monday, July 23—Wednesday, July 25

INSTITUTE OF PHYSICS, INDUSTRIAL RADIOLOGY GROUP (at 47 Belgrave Square, London, S.W.1).—Summer Meeting.

Tuesday, July 24—Friday, July 27

BRITISH INSTITUTION OF RADIO ENGINEERS (at University College, Southampton).—Radio Conference, Sessions 3 and 4: Radio Communication and Broadcasting; Radio Aids to Navigation.

## APPOINTMENTS VACANT

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

ASSISTANT (Grade B) IN CHEMISTRY at Constantine Technical College.—The Director of Education, Education Offices, Woodlands Road, Middlesbrough (July 28).

ASSISTANT (with a first-class honours degree in science or the equivalent) to the DIVISIONAL CHIEF SCIENTIST.—The Divisional Establishments Officer, National Coal Board, Northern (N. and C.) Division, First Floor, Ellison Buildings, Ellison Place, Newcastle-upon-Tyne (July 28).

ASSISTANT LECTURERS IN ELECTRICAL ENGINEERING.—The Registrars, The University, Manchester 13 (July 28).

HEAD OF THE ENGINEERING DEPARTMENT, Nigerian College of Arts, Science and Technology, Ibadan.—The Secretary, Advisory Committee on Colonial Colleges of Arts, Science and Technology, 15 Victoria Street, London, S.W.1 (July 28).

ASSISTANT IN MATHEMATICS.—The Secretary, The University, Aberdeen (July 31).

DEMONSTRATOR IN ZOOLOGY.—The Dean of the Medical College, St. Bartholomew's Hospital, West Smithfield, London, E.C.1 (July 31).

ENGINEER I at a Ministry of Supply establishment in Lancashire, to be responsible for the organization and technical administration of the inspection of electrical and allied equipment ordered by the Atomic Energy Division.—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting D.288/51A (July 31).

EXPERIMENTAL OFFICER (Botanist) and EXPERIMENTAL OFFICERS (Zoologists or Chemists) for freshwater fisheries research at the Brown Trout Research Laboratory, Pitlochry, Perthshire.—The Establishment Officer (Room 364), Scottish Home Department, St. Andrew's House, Edinburgh 1 (July 31).

PRINCIPAL OF THE MELBOURNE TECHNICAL COLLEGE.—The Agent-General for Victoria, Victoria House, Melbourne Place, Strand, London, W.C.2 (July 31).

SCIENTIFIC OFFICERS in the Chief Scientist's Division, Ministry of Fuel and Power, London, for fundamental and applied research on problems affecting the production and utilization of fuel and power.—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting F.466/51A (July 31).

SENIOR SCIENTIFIC OFFICER or SCIENTIFIC OFFICER, and SCIENTIFIC OFFICERS (Zoologists), for marine fisheries research at the Marine Laboratory, Aberdeen.—The Establishment Officer (Room 364), Scottish Home Department, St. Andrew's House, Edinburgh 1 (July 31).

DEMONSTRATOR IN THE DEPARTMENT OF CHEMISTRY and BIO-CHEMISTRY.—The Dean, St. Thomas's Hospital Medical School, London, S.E.1 (August 1).

LECTURER IN ENGINEERING MATHEMATICS (including pure and applied mathematics and mathematical physics), and a LECTURER IN MEDICAL PHYSICS (to act also as Assistant Physicist to Aberdeen Royal Infirmary).—The Secretary, The University, Aberdeen (August 1).

CHEMISTS IN THE MATERIALS and ANALYTICAL SECTION of a Ministry of Supply research and development establishment near London, (a) with experience of paints, varnishes and/or plastics, (b) with experience of paper and paper products and textiles.—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting F.476/51A (August 4).

MECHANICAL ENGINEERS and NAVAL ARCHITECTS (Senior Experimental Officer grade) in Ministry of Supply headquarters, London.—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting C.387/51A (August 4).

PRINCIPAL RESEARCH OFFICER, WILDLIFE SURVEY SECTION of the Commonwealth Scientific and Industrial Research Organization, Canberra.—The Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting No. 3464 (August 11).

ASSISTANT KEEPER (with a university degree in history or classics and a knowledge of either local history or general archaeology) in the DEPARTMENT OF ARCHAEOLOGY and LOCAL HISTORY.—The Director, City Museum and Art Gallery, Birmingham 3 (August 13).

LECTURER or a SENIOR LECTURER IN VETERINARY HYGIENE.—The Registrar, The University, Leeds 2 (August 13).

ASSISTANT LECTURER IN GEOGRAPHY at Makerere College (University College of East Africa).—The Secretary, Inter-University Council for Higher Education in the Colonies, 1 Gordon Square, London, W.C.1 (August 15).

CHAIR OF PHYSICS in University College, Ibadan, Nigeria.—The Secretary, Inter-University Council for Higher Education in the Colonies, 1 Gordon Square, London, W.C.1 (August 15).

LECTURER IN ELECTRICAL ENGINEERING.—The Registrar, College of Aeronautics, Cranfield, Bletchley, Bucks, endorsed 'Lecturer in Electrical Engineering' (August 15).

LECTURER IN MECHANICAL ENGINEERING.—The Principal, Wigan and District Mining and Technical College, Wigan (August 21).

PSYCHOLOGISTS, SENIOR PSYCHOLOGISTS, PRINCIPAL PSYCHOLOGISTS and SENIOR PRINCIPAL PSYCHOLOGISTS, in the Admiralty, War Office, Air Ministry and Prison Commission.—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 75/51 (August 23).

ELECTRONIC ENGINEERS in the Ministry of Supply, to work near London or at provincial stations on the development and design of electrically operated systems for a variety of applications, including weapons, telecommunications and radar equipment.—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting D.134/51A (August 24).

LECTURER IN VETERINARY HISTOLOGY.—The Registrar, The University, Liverpool (August 31).

PHYSICIST, to work primarily on problems in agricultural meteorology.—The Secretary, Rothamsted Experimental Station, Harpenden, Herts (August 31).

RESEARCH ASSISTANT (with a good honours degree in chemistry, with physics, and some knowledge of a biological subject) to work on physico-chemical aspects of biochemical and immunological problems.—The Secretary, Lister Institute, Chelsea Bridge Road, London, S.W.1 (August 31).

SENIOR LECTURER IN THE DEPARTMENT OF PHYSICS, Victoria University College, Wellington, New Zealand.—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (September 1).

CHAIR OF MINING.—The Registrar, The University, Sheffield (October 6).

ASSISTANT DIRECTOR OF THE BOTANICAL GARDENS, Singapore.—The Director of Recruitment, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting 27059/261.

ASSISTANT LECTURER IN THE DEPARTMENT OF MATHEMATICS.—The Clerk to the Governing Body, Battersea Polytechnic, Battersea, London, S.W.11.

CIVIL ENGINEERS (with a degree in Civil Engineering and/or corporate membership of the I.C.E.) in the Chief Engineer's Department of the Rhodesia Railways.—The London Agent, Rhodesia Railways, 11 Old Jewry, London, E.C.2.

LECTURER IN TELECOMMUNICATIONS.—The Head of the Electrical Department, Polish University College, 4 Egerton Gardens, London, S.W.3.

MECHANICAL ENGINEER in the Public Works Department, Sudan.—The Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1, endorsed 'Mechanical Engineer—4/8'.

PHYSICIST (previous experience in the medical or biological application of ionizing radiations is desirable), and a JUNIOR ZOOLOGIST (with an interest in experimental zoology and/or cytology).—The Director, Medical Research Council Radiobiological Research Unit, Atomic Energy Research Establishment, Harwell, Didcot, Berks.

PHYSICIST, to undertake research work and theoretical studies into problems associated with the design and operation of nuclear reactors, an ORGANIC CHEMIST, to take charge of a team engaged on organic chemical research, and an INORGANIC CHEMIST, to carry out research work on chemical and radiochemical problems associated with atomic energy development, in the Research and Development Branch, Windscale Works, Sellafield, Cumberland.—The Ministry of Supply, Division of Atomic Energy (Production), Risley, Warrington, Lancs, stating post applied for.

PHYSICISTS or MATHEMATICAL PHYSICISTS: (Ref. A.133/51A/BB) PRINCIPAL SCIENTIFIC OFFICER with experience of radar systems analysis and war-time operational research (a strong mathematical bias is desirable); (Ref. A.134/51A/BB) SENIOR SCIENTIFIC OFFICER for theoretical investigations (a knowledge of statistical methods is desirable); AERONAUTICAL ENGINEER: (Ref. C.217/51A/BB) SENIOR SCIENTIFIC OFFICER with experience in planning and analysis of flight trials and application of results to project design (a knowledge of servo mechanism theory and practice is required); PHYSICISTS, MATHEMATICIANS or ENGINEERS: (Ref. A.135/51A/BB) SENIOR SCIENTIFIC OFFICER with research experience involving arithmetical applications of mathematics in the analysis of physical data, and the formulation of problems for solution by automatic computing machinery (a knowledge of aerodynamics an advantage); (Ref. A.136/51A/BB) SENIOR SCIENTIFIC OFFICER with wide experience of methods of measurement in physics or engineering research, experience and up-to-date knowledge of electronics, at the Royal Aircraft Establishment, Farnborough.—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting the appropriate Ref. No.

PRINCIPAL PHYSICIST to be responsible for the research work of a physics laboratory applying physical methods to the study of metals and to the development of methods of control of new metallurgical processes, and a PHYSICAL METALLURGIST to be responsible for the research work of laboratories engaged on metallographic, crystallographic and physical metallurgical investigations.—The Ministry of Supply, Division of Atomic Energy (Production), Risley, Warrington, Lancs, stating post applied for.

RESEARCH ASSISTANT for isotope research (work will involve autoradiography, radioactive counting and maintenance of equipment, and animal experiments).—Mr. G. Rigby-Jones, Middlesex Hospital, London, W.1.

RESEARCH ASSISTANT for microbiological assays of vitamin B<sub>12</sub>, folic acid and L. citrovorum factor.—The Registrar, King's College, Newcastle-upon-Tyne.

RESEARCH MANAGER (with a first- or second-class honours degree in physics, or equivalent) at the Research and Development Branch, Windscale Works, Sellafield, to take charge of a group of laboratories engaged on applied research work covering a wide field in general and nuclear physics and biology.—The Ministry of Supply, Division of Atomic Energy (Production), Risley, Warrington, Lancs, quoting A.R.A.6.

RESEARCH OFFICER (with degree in physics, or equivalent) for work on problems in connexion with the use of fuel in domestic appliances, with particular reference to smoke elimination.—The Assistant Secretary (Ref. A.23), British Coal Utilization Research Association, Randalls Road, Leatherhead, Surrey.