

ROYAL INSTITUTE OF CHEMISTRY, LONDON AND SOUTH-EASTERN COUNTIES SECTION (at the University, Reading), at 2.30 p.m.—Symposium on "The Metabolism of Calcium and Phosphorus".

INSTITUTION OF CHEMICAL ENGINEERS, NORTH-WESTERN BRANCH (in the Reynolds Hall, College of Technology, Manchester), at 3 p.m.—Mr. N. Gavron: "The Role of Patents in Industrial Research and Development, with particular reference to the Chemical Industry".

LONDON COUNTY COUNCIL (at the Horniman Museum, London Road, Forest Hill, London, S.E.23), at 3.30 p.m.—Prof. H. J. Fleure, F.R.S.: "The People of Britain".\*

## APPOINTMENTS VACANT

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

ASSISTANT (Grade A) FOR MATHEMATICS AND MECHANICS, Preston Technical Institute, Brighton—The Education Officer, 54 Old Steine Brighton (February 23).

ASSISTANT (Grade A) IN THE DEPARTMENT OF MECHANICAL ENGINEERING, and an ASSISTANT (Grade B) IN THE DEPARTMENT OF SCIENCE AND RELATED MATHEMATICS—The Principal, Aston Technical College, Whitehead Road, Birmingham 6 (February 23).

ASSISTANT MASTER (with an honours or special degree in chemistry, or a good general degree with chemistry as one of the subjects) to teach CHEMISTRY throughout the Secondary Technical School for Boys—The Clerk to the Governors, Woolwich Polytechnic, Woolwich, London, S.E.18 (February 23).

HEAD (Grade II) OF THE CHEMISTRY AND METALLURGY DEPARTMENT, Swansea Technical College—The Director of Education, Education Department, The Guildhall, Swansea (February 23).

SENIOR LECTURER (with high honours degree in chemistry and special knowledge of organic chemistry; experience in teaching advanced classes is essential)—The Registrar, College of Technology, Suffolk Street, Birmingham 1 (February 23).

BIOCHEMIST (part-time, medical qualification not essential) to undertake research and laboratory investigation in connexion with urological disease—The Secretary, St. Paul's Hospital, Institute of Urology, Endell Street, London, W.C.2 (February 25).

SUPERINTENDING SCIENTISTS (3) in the Research and Development Branch of the Department of Supply, Melbourne: (1) under a Controller to be responsible for the co-ordination of the programme of the Long Range Weapons Project and for ensuring that all provisions are made to facilitate its execution, (2) under a Controller to be responsible for the preparation of programmes of proposed scientific projects and their technical assessment, for the direction of field studies in connexion with defence problems, etc., (3) under a Controller to be responsible for the co-ordination and control of the research and development associated with detailed elements of major scientific projects—The Senior Representative, Department of Supply, Canberra House, 87 Jermyn Street, London, S.W.1 (February 25).

TECHNICAL ASSISTANT (with a Science or Engineering degree, or equivalent, and at least two years experience with a patent agent) to the Patents Officer at London headquarters—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, endorsed T/7428 (February 28).

GRADUATES IN ELECTRICAL ENGINEERING (with good industrial experience) to teach Machinery and Transformers and Electrotechnology up to Higher National Certificate standard—The Principal, Wimbledon Technical College, Gladstone Road, London, S.W.19 (February 29).

ASSISTANT PROFESSOR OF MACHINE DESIGN, Indian Institute of Technology, Kharagpur—The High Commission of India, General Department, Aldwych, London, W.C.2, quoting 4/62A (March 1).

ENGINEER (with experience of research work) to take charge of the Engineering Services at the Central Research Establishment, Stoke Orchard, Cheltenham—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, endorsed T/7426 (March 1).

CHAIR OF CIVIL ENGINEERING in the University of Hong Kong—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (March 3).

I.C.I. (India) RESEARCH FELLOWSHIPS in Physics (including mathematics), Chemistry or Biology (botany and zoology), at any university or institution in India—The Secretary, National Institute of Sciences of India, Mathura Road, New Delhi 1, India (March 3).

SENIOR AND JUNIOR RESEARCH FELLOWSHIPS tenable at any university or institution in India—The Secretary, National Institute of Sciences of India, Mathura Road, New Delhi 1, India (March 3).

DEPUTY CHIEF TECHNICAL ADVISER ON MEAT INSPECTION at the London headquarters of the Ministry of Food—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting 4123/52 (March 6).

PRINCIPAL RESEARCH OFFICER or RESEARCH OFFICER (with university degree with honours in science or agricultural science, or equivalent qualifications, with extensive research experience in plant physiology, plant pathology, or plant nutrition) at the Commonwealth Research Station, Merbein, Victoria, to be responsible to the Officer-in-Charge of the Station for the supervision of a research team engaged on plant nutritional and physiological investigation associated with the Murray Irrigation area, and to undertake personal work in this field as part of the Station's programme—The Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting No. 3446 (March 8).

LECTURER IN BACTERIOLOGY (whose principal duty will be the instruction of dental students)—The Secretary, The University, Edinburgh (March 15).

REGISTRAR (university graduate with administrative experience)—The Registrar, University College, Swansea (March 15).

LECTURER (Grade II) IN PHYSICS—The Registrar, The University, Reading (March 17).

ASSISTANT LECTURER IN THEORETICAL PHYSICS—The Registrar, The University, Manchester 13 (March 31).

I.C.I. RESEARCH FELLOWSHIPS in biochemistry, chemistry, engineering, pharmacology, or physics—The Secretary, University Court, The University, Glasgow (March 31).

BERKELEY BYE-FELLOWSHIP for research in medicine, or any branch of natural science excluding medicine—The Registrar, Gonville and Caius College, Cambridge (April 1).

LECTURERS (3) IN THE DEPARTMENT OF ANATOMY, University of the Witwatersrand, Johannesburg—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (April 7).

ENGLISH ELECTRIC COMPANY'S BURSARIES IN HYDRO-POWER ENGINEERING—The Deputy Registrar, City and Guilds College, Exhibition Road, London, S.W.7 (June 1).

AGRICULTURAL CHEMISTS in Nigeria, Kenya and Malaya (duties will include some research together with analytical and advisory work as required: fertilizer trials on food crops will form a large part of the work in Nigeria, in Kenya the post will be specially concerned with pyrethrum, including improvement in methods of analysis and in yield)—The Director of Recruitment, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting 27106/5.

ANALYST (graduate in chemistry or an associate of the R.I.C.) with experience of analytical work, and a PHYSICIST (graduate) for technological investigations on rubber—The Secretary, Research Association of British Rubber Manufacturers, 105 Lansdowne Road, Croydon, Surrey.

ASSISTANT (Grade B) IN THE DEPARTMENT OF MATHEMATICS, Bradford Technical College—The Director of Education, Town Hall, Bradford.

ASSISTANT LECTURER (Grade A) IN THE DEPARTMENT OF PHYSICS AND APPLIED PHYSICS, Cardiff College of Technology and Commerce—The Director of Education, City Hall, Cardiff.

COTES RESEARCH FELLOWSHIP in the field of proteolytic enzymes—Dr. E. R. Roberts, Chemistry Department, Imperial College of Science and Technology, South Kensington, London, S.W.7.

ENGINEER at a Ministry of Supply Establishment in London, to control a section responsible for the preparation of production and repair programmes for aircraft, aero-engines and associated equipment, etc.—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting C.488/51A.

ENGINEER in the Ministry of Supply at Farnborough, to supervise staff of the Creep Laboratory, and the design, construction and maintenance of its equipment, and the interpretation of the test data obtained—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting C.39/52A.

ENGINEER by the Ministry of Supply in London (training in heavy automotive engineering and a knowledge of workshop planning and progressing is essential), for the solution of technical problems involved in commencing tank production at a factory in Lancashire—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting C.40/52A.

EXPERIMENTAL OFFICER at the Atomic Energy Research Establishment, Harwell, for technical information work—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting A.11/52A.

HEAD OF THE DEPARTMENT OF ELECTRICAL ENGINEERING, Bradford Technical College—The Director of Education, Town Hall, Bradford.

HEAD (Grade III) OF THE DEPARTMENT OF PRODUCTION ENGINEERING, Wolverhampton and Staffordshire Technical College—The Clerk to the Joint Education Committee, Education Offices, Wolverhampton.

LECTURER IN ELECTRICAL ENGINEERING, including A.C. theory—The Principal, Faraday House College, Southampton Row, London, W.C.1.

PHYSICISTS at a Ministry of Supply Research Establishment in Berkshire for work (of a research and development character) concerned with the use of radioactive materials, radiation measurements, and health physics—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting A.33/51A.

POSTGRADUATE STUDENTSHIPS in Plant Breeding, Entomology, and Soil Science—The Secretary, Empire Cotton Growing Corporation, 12 Chantry House, Eccleston Street, London, S.W.1.

SCIENCE GRADUATE (experience in bacteriology and serology is essential)—Dr. A. Felix, F.R.S., Central Enteric Laboratory and Bureau, Colindale Avenue, London, N.W.9.

SCIENTIFIC and ASSISTANT STAFF with qualifications in engineering or physics (including electronics), for work including research in fluid machinery, cavitation, pressure surges, hydraulic models, instrumentation and control mechanisms, etc.—The Director, British Hydromechanics Research Association, Harlow, Essex.

SENIOR EXPERIMENTAL OFFICER (Ref. D.17/52A) for the development of calibration procedure for radio test equipment and preparation of calibration publications; an EXPERIMENTAL OFFICER (Ref. D.18/52A) for the calibration of transfer standards involving output and attenuation measurements; and ASSISTANT EXPERIMENTAL OFFICERS (2, Ref. D.19/52A) for the calibration of transfer standards (a) involving frequency and pulse measurements and maintenance of the frequency standard, and (b) involving bridge and miscellaneous measurements; at an R.A.F. Signals Experimental Establishment in Bedfordshire—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.

SENIOR SCIENTIFIC OFFICERS, SCIENTIFIC OFFICERS, EXPERIMENTAL OFFICERS and ASSISTANT EXPERIMENTAL OFFICERS in the Royal Naval Scientific Service in the London area and Gloucestershire: (a) ELECTRONIC ENGINEERS or PHYSICISTS interested in any of the following modern communication systems—pulse technique, all forms of recording, high-speed data handling, electronic computing and similar techniques, (b) MATHEMATICIANS with interests in statistics, probability and automatic computing (S. Os. and S. S. Os. only)—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting A.7/52A.