

CHIEF COAL SURVEY OFFICER (with high academic scientific qualifications; sound all-round knowledge of fuel technology and some research experience are desirable) in the Scottish Division—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, endorsed TT/463 (December 22).

SITE SUPERINTENDENT, a DEPUTY SITE SUPERINTENDENT, EXPERIMENTAL OFFICERS, and ASSISTANT EXPERIMENTAL OFFICERS, by the MINISTRY OF FUEL AND POWER for experiments in underground gasification—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting F.862/51A (December 22).

ANIMAL HUSBANDRY OFFICER—The Secretary, Southern Rhodesia Government, 429 Strand, London, W.C.2 (December 24).

CIVIL ENGINEERS, SANITARY ENGINEERS, and STRUCTURAL ENGINEERS (all with the appropriate professional qualifications and experience) in a number of Departments in England and Wales—The Civil Service Commission, Scientific Branch, Trinidad House, Old Burlington Street, London, W.1, quoting No. 3405.1A (December 31).

READER IN THE DEPARTMENT OF GEOGRAPHY IN THE RESEARCH SCHOOL OF PACIFIC STUDIES—The Administrative Officer in the United Kingdom, Australian National University, 27 Russell Square, London, W.C.1 (December 31).

SENIOR LECTURER, and a LECTURER, in CIVIL ENGINEERING, at Canterbury University College, Christchurch, New Zealand—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (December 31).

SENIOR LECTURER IN VETERINARY PATHOLOGY AT THE UNIVERSITY OF QUEENSLAND—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (January 5).

SCIENTISTS II or III (Ref. TT/400) (with honours degree in electrical engineering or physics, with good knowledge of electronic techniques) in the telecommunications and light electrical engineering fields, and ELECTRONIC ENGINEERS (Ref. TT/401) to design and construct electronic devices for research, at the Central Research Establishment, Stoke Orchard, Cheltenham—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, quoting the appropriate Ref. No. (January 12).

SENIOR LECTURER IN GENERAL BACTERIOLOGY at the University of Sydney—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (January 14).

AERONAUTICAL AND MECHANICAL ENGINEERS (Principal Scientific Officer grade) in the Structures Department of the Royal Aircraft Establishment, Farnborough, for work on the design approval of aircraft structures or on the solution of airworthiness problems—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting C.684/51A.

ELECTRICAL ENGINEERS AND PHYSICISTS AT THE ROYAL AIRCRAFT ESTABLISHMENT, South Farnborough: PRINCIPAL SCIENTIFIC OFFICER (Ref. D.501/51A) to act as Deputy Leader of a team engaged on the research and development of novel applications of radio techniques; SENIOR SCIENTIFIC OFFICER and SCIENTIFIC OFFICER (Ref. A.345/51A) to assist in various aspects of the work detailed above; SENIOR SCIENTIFIC OFFICER (Ref. A.346/51A) to work on novel forms of sighting equipment—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting the appropriate Ref. No.

ELECTRICAL ENGINEERS AND PHYSICISTS (Scientific Officer grade) in the Instrument and Photographic Department of the Royal Aircraft Establishment, Farnborough: (Ref. A.347/51A) for the assessment of analogue computer and servomechanism techniques and the development of precision equipment in that field for use in aircraft; (Ref. A.348/51A) for the analysis of the complex dynamical problems arising in automatic control of aircraft and for research upon methods of control; (Ref. A.349/51A) for research and development work in connexion with gyroscopic and allied instruments; (Ref. A.350/51A) for the development of aircraft cameras, involving image movement compensation, exposure frequency control and gyroscopic stabilisation—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting the appropriate Ref. No.

ENGINEERS by the MINISTRY OF SUPPLY in London: (Ref. C.690/51A) for the production planning of chemical and mechanical propulsion units (rocket motors, pulse jet engines, etc.), ancillary equipments (fuel and booster pumps, mixing and pressure valves, igniters, etc.); (Ref. C.691/51A) for the production planning of guidance equipment (electronic, air and ground guidance apparatus, valves, fuses, test gear) and control equipment (mainly gyroscopic and servo-mechanisms) for guided weapons—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26-28 King Street, London, S.W.1, quoting the appropriate Ref. No.

HEAD OF THE DEPARTMENT OF POWER ENGINEERING AND ELECTRICAL TECHNOLOGY, Indian Institute of Science, Bangalore, India—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting D.485/510A.

HEAD OF THE MECHANICAL ENGINEERING DEPARTMENT, Wolverhampton and Staffordshire Technical College—The Clerk to the Joint Education Committee, Education Offices, North Street, Wolverhampton.

HONOURS GRADUATES IN PHYSICS OR CHEMISTRY, for research work in connexion with the pottery industry—The Director of Research, British Ceramic Research Association, Queens Road, Penkhill, Stoke-on-Trent.

INSPECTOR OF HORTICULTURE (with a university degree or diploma in horticulture and/or Kew certificate) in the Ministry of Agriculture, Sudan—The Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1, endorsed 'Inspector of Horticulture 4/217'.

INSPECTORS (2) OF MINES, Tanganyika—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27099/51.

JUNIOR LECTURER (with an honours degree in chemistry) to assist with the teaching work of the DEPARTMENT OF CHEMISTRY—The School Secretary, Middlesex Hospital Medical School, London, W.1.

MECHANICAL ENGINEER (with A.M.I.Mech.E. or a degree in mechanical engineering), Northern Rhodesia, to assist the Senior Mechanical

Engineer in administration of the Government's Mechanical Workshop Organization—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27325/8.

PHYSICISTS and ELECTRICAL ENGINEERS (Experimental Officer grade) in the Instrument and Photographic Department of the Royal Aircraft Establishment, Farnborough, for (a) development work on analogue computers and servomechanisms, (b) development of automatic pilots and associated equipment, and (c) research and development work in connexion with gyroscopic and allied instruments—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting A.352/51A.

PHYSICISTS and ELECTRICAL ENGINEERS (Scientific Officer grade) at a Ministry of Supply research establishment in the south-east of London: ELECTRICAL ENGINEER (Ref. D.490/51A) with a sound knowledge of physical principles and electronic applications to physics problems, a PHYSICIST or ELECTRICAL ENGINEER (Ref. A.337/51A) with experience in radio communications, a PHYSICIST (Ref. A.337/51A) with experience in electronic circuitry problems, for measurement of high-speed transients, an ELECTRICAL ENGINEER (Ref. D.490/51A) for research and development in V.H.F. and U.H.F. transmission and reception, and an ELECTRICAL ENGINEER (Ref. D.490/51A) for design and development work in a wide field of electronic instruments—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting the appropriate Ref. No.

PRE- AND POST-DOCTORAL RESEARCH and combined research and teaching positions in the fields of Colloid, Inorganic, Organic, and Physical Chemistry—Prof. R. D. Vold, Department of Chemistry, University of Southern California, Los Angeles 7, Calif., U.S.A. (apply by air mail).

RESEARCH METALLURGISTS (graduates) for work in the Tinplate Section—The Director, Tin Research Institute, Fraser Road, Greenford, Middx.

SENIOR LECTURER IN MATHEMATICS, a SENIOR LECTURER IN CHEMISTRY, a SENIOR LECTURER IN PHYSICS, and a SENIOR LECTURER IN TELECOMMUNICATIONS ENGINEERING—The Clerk, Northern Polytechnic, Holloway, London, N.7.

SENIOR LECTURER IN PHYSICS, a LECTURER IN PHYSICS, a LECTURER IN ZOOLOGY AND PHYSIOLOGY, an ASSISTANT (Grade B) IN CHEMISTRY, and an ASSISTANT (Grade A) IN MATHEMATICS—The Principal, West Ham Municipal College, Romford Road, London, E.15.

SENIOR LECTURER, and a LECTURER, in the DEPARTMENT OF CHEMISTRY AND APPLIED CHEMISTRY—The Principal, Royal Technical College, Salford 5.

SENIOR SCIENTIFIC OFFICER or SCIENTIFIC OFFICER in the MECHANICAL ENGINEERING DEPARTMENT of the Royal Aircraft Establishment, Farnborough: (Ref. C.685/51A) for research into the more fundamental aspects of the development of aircraft hydraulics, pneumatics and oxygen systems involving problems of gas and liquid flow, control systems and storage, (Ref. C.686/51A) for work on research aspects of aircraft vulnerability and weapon lethality, including field trials on representative aircraft parts, studies of new aircraft and weapons and statistical analysis of test results; SENIOR EXPERIMENTAL OFFICER and EXPERIMENTAL OFFICER: (Ref. C.687/51A) to work on air crew oxygen breathing equipment which requires a knowledge of light precision engineering and a capacity for experimental and development work on components such as capsule and diaphragm operated mechanisms, reducing valves, etc. EXPERIMENTAL OFFICER: (Ref. C.688/51A) to assist with general laboratory and flight work on light mechanisms, cabin conditioning, hydraulic and pneumatic systems—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting the appropriate Ref. No.

SENIOR SCIENTIFIC OFFICERS or SCIENTIFIC OFFICERS in the STRUCTURES DIVISION of the Royal Aircraft Establishment, Farnborough: (Ref. C.707/51A) for theoretical work on aircraft flutter as affecting aircraft design, (Ref. C.708/51A) for investigation of problems connected with the specification of basic conditions for aircraft structural design, (Ref. C.709/51A) for investigation of dynamic problems as affecting aircraft structure, (Ref. C.710/51A) to assist with the design approval of aircraft structures and aircraft structural components—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26-28 King Street, London, S.W.1, quoting the appropriate Ref. No.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Manchester Public Libraries. 99th Report of the Libraries Committee, 1950-51. Pp. ii+41+4 plates. (Manchester: City Library, 1951.) [139]

Scientific Survey of South-Eastern Scotland. Prepared for the Meeting held in Edinburgh, 8th to 15th August, 1951. Pp. 208. (Edinburgh: Local Executive of the British Association, 1951.) 15s. [179]

Institute of Personnel Management. Annual Report 1950-51. Pp. 16. Occasional Papers No. 1: The Personnel Aspects of Management. By Dr. C. H. Northcott. Pp. 60. 3s. (London: Institute of Personnel Management, 1951.) [179]

Report on the Work of the British Council for the Year ended 31st March 1951. Pp. v+120. (London: British Council, 1951.) [179]

Sampling and Analysis of Tin Ingots. By Dr. J. W. Price. Pp. 6. (Greenford: Tin Research Institute, 1951.) Free. [179]

Proceedings of the International Conference on Low Temperature Physics, held under the auspices of the International Union of Pure and Applied Physics, Oxford, August 22nd-28th, 1951. Edited by Dr. R. Bowers. Pp. xiii+165. (Oxford: Clarendon Laboratory, 1951.) 15s. [211]