

APPOINTMENTS VACANT

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

RESEARCH STUDENT (physics graduate with first- or good second-class (special) honours degree in physics) to work on ultrasonics—The Registrar, King's College, Newcastle-upon-Tyne (August 24).

DEPUTY (Principal Scientific Officer Grade) (with first- or second-class honours degree or equivalent in physics or chemistry, and an interest in biological problems) in the Field Trials Section of the Ministry of Supply Research Establishment, Salisbury, to design and supervise highly specialized forms of field trials—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A200/53A. (August 29).

LECTURER IN CIVIL ENGINEERING (with good honours degree, and at least two years practical experience)—The Registrar, The University, Nottingham (August 29).

RESEARCH ASSISTANT (with experience of work in microbiology) in the Department of Botany—The Secretary, University College, Gower Street, London, W.C.1 (August 29).

ASSISTANT LECTURER in the Department of Pure Mathematics—The Registrar, University College of Wales, Aberystwyth (August 31).

ASSISTANT LECTURERS IN CHEMISTRY (with qualifications in Physical Chemistry)—The Registrar, The University, Manchester 13 (August 31).

LEVERHULME RESEARCH FELLOWSHIP IN ENGINEERING PRODUCTION—The Registrar, The University, Edgbaston, Birmingham 15 (August 31).

RESEARCH ASSISTANTS (2), (with good honours degree in mathematics, physics or engineering, and preferably some experience in the field of aerodynamics or acoustics) in the Department of Aeronautical Engineering, to assist and initiate research on turbulence, jet noise and ground silencing devices—The Secretary and Registrar, The University, Southampton (August 31).

PRINCIPAL SCIENTIFIC OFFICER (with first- or second-class honours degree or equivalent in physics, and several years relevant postgraduate experience) at the Ministry of Supply Experimental Flying Establishment, Salisbury, to lead a section responsible for the complete design and proving of aircraft test instruments; to initiate methods of measurement of any physical quantity in test aircraft; to guide the aircraft industry in methods of maintenance and calibration of instruments used in test flying—The Civil Service Commission, Scientific Branch, Trinidad House, Old Burlington Street, London, W.1, quoting S.4236/53 (September 3).

LECTURER IN BACTERIOLOGY—The Secretary, The University, Edinburgh (September 5).

LECTURER IN ENGINEERING—The Secretary, The University, Aberdeen (September 5).

SENIOR SCIENTIFIC OFFICER (with good honours degree in botany or agricultural botany, and research experience in genetics and/or plant breeding) and a **SCIENTIFIC OFFICER** (with good honours degree in botany or agricultural botany) in the GRASS BREEDING SECTION—The Registrar, Welsh Plant Breeding Station, University College of Wales, Aberystwyth (September 5).

GRADUATE IN BIOCHEMISTRY OR CHEMISTRY (preferably of Ph.D. standard) to work on problems associated with the sprue syndrome and other nutritional disorders—Prof. A. C. Frazer, Department of Pharmacology, Medical School, Birmingham, 15 (September 12).

ASSISTANT LECTURER (with special interests in research into child psychology) in the Department of Psychology, and a **RESEARCH ASSISTANT** to carry out experimental work under the Professor of Psychology—The Registrar, The University, Manchester, 13 (September 15).

FELTNEY CHAIR OF METALLURGY—The Registrar, The University, Edgbaston, Birmingham 15 (September 30).

MICROBIOLOGICAL RESEARCH FELLOWSHIP to undertake research relating to any disease that is generally regarded as malignant or incurable in any one of the following fields selected by the candidate and approved by the University: Bacteriology, Biology, Chemistry, Chemo-Therapy, Clinical Science, Endocrinology, Pathology or Physics—The Secretary, The University, Aberdeen (September 30).

SENIOR LECTURER IN THE DEPARTMENT OF PSYCHOLOGY, University of Natal, Durban—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (September 30).

BIOCHEMIST to work on enzyme adaptation and related problems—Prof. John Yudkin, Queen Elizabeth College, Campden Hill Road, London, W.8.

CHEMIST (Senior Scientific Officer Grade) to lead small team engaged in the study of organic tannins (natural and synthetic) from the fundamental and technological standpoints; a **CHEMIST** (Senior Scientific Officer Grade) to be analyst for the Liaison Department; and a **PHYSICS GRADUATE** (Scientific Officer Grade) to study the physical properties of leather—The Director of Research, The British Leather Manufacturers Research Association, Milton Park, Egham, Surrey.

HONOURS GRADUATE (with experience in use of infra-red spectrophotometer) to assist in programme of research on various substances isolated from dairy products—The Secretary, National Institute for Research in Dairying, Shinfield, Reading, quoting 53/14.

METALLURGISTS (with degree in Metallurgy, or A.I.M. or equivalent qualifications) in the Ministry of Supply at Aldermaston, Berks, to assist processing radio-active metals—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting F.76/53A.

PHYSICIST OR RESEARCH ENGINEER (with first- or second-class honours degree and research experience, preferably in textiles, plastics, or similar materials) to carry out basic research on the mechanical properties of fabrics—The Director of Research, The British Cotton Industry Research Association, Shirley Institute, Didsbury, Manchester 20.

PROFESSOR OF GEOGRAPHY—Dr. A. A. Duri, Dean, College of Arts and Science, Baghdad, Iraq.

SENIOR EXPERIMENTAL OFFICER (with at least H.S.C. (Science) or equivalent, but degree or H.N.C. may be an advantage) in the Elec-

tronics Division of the Atomic Energy Research Establishment, Harwell, to take charge of small section responsible for design and construction of small electro-mechanical mechanisms—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting D.302/53A.

SENIOR SCIENTIFIC OFFICER OR SCIENTIFIC OFFICER (with first- or second-class honours degree in physical chemistry and postgraduate experience in physico-chemical research, and preferably with specialized knowledge in the field of high polymers) in the Department of Scientific and Industrial Research, Chemical Research Laboratory, Teddington—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting F.368/53A.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Department of Scientific and Industrial Research. Report of the Fuel Research Board, with the Report of the Director of Fuel Research for the year 1952. Pp. iv+56+5 plates. (London: H.M. Stationery Office, 1953.) 2s. 6d. net. [296]

Glasgow Art Gallery and Museums. Report 1st January to 31st December 1952. Pp. 36. (Glasgow: Glasgow Art Gallery and Museums, 1953.) [296]

Supplement to the Catalogue of Lewis's Medical, Scientific and Technical Lending Library, including a classified index of subjects. Supplement 1950-1952. Pp. 288. (London: Lewis's Library, 1953.) 6s. net. (3s. to subscribers.) [296]

British Industrial Measuring and Control Apparatus Manufacturers' Association. Handbook 1953. Pp. 134. (London: British Industrial Measuring and Control Apparatus Manufacturers Association, 1953.) [296]

Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences. No. 905, Vol. 246: Radio Propagation Over a Flat Earth Across a Boundary Separating Two Different Media. By P. C. Clemmow. Pp. 55. 12s. 6d. No. 906, Vol. 246: Gaseous Unimolecular Reactions: Theory of the Effects of Pressure and of Vibrational Degeneracy. By N. B. Slater. Pp. 57-80. 5s. 6d. No. 907, Vol. 246: The Forced Flow of a Rotating Viscous Liquid which is Heated from Below. By T. V. Davies. Pp. 81-112. 7s. 6d. (London: Cambridge University Press, 1953.) [306]

Other Countries

The Science Reports of the Tohoku University, Sendai, Japan. Second Series (Geology). Special volume number 3: Check List of Japanese Tertiary Marine Mollusca. By Kotora Hatai and Syozo Nisiyama. Pp. 464. (Sendai: Tohoku University, 1952.) [246]

United States Department of Commerce: National Bureau of Standards. Circular 533: Method for Determining the Resolving Power of Photographic Lenses. By Francis E. Washer and Irvine C. Gardner. Pp. iv+27+2 charts. (Washington, D.C.: Government Printing Office, 1953.) 1 dollar. [246]

Bulletin of the American Museum of Natural History. Vol. 102. Article 1: Pleistocene Mammals from the Limestone Fissures of Szechwan, China. By Edwin Harris Colbert and Dirk Albert Hooijer. Pp. 134+40 plates. (New York: American Museum of Natural History, 1953.) 3.50 dollars. [246]

The Rights and Responsibilities of Universities and their Faculties: a Statement by the Association of American Universities, adopted Tuesday, March 24, 1953. Pp. 16. (Princeton, N.J.: Department of Public Relations, Princeton University, 1953.) [246]

Smithsonian Miscellaneous Collections. Vol. 121, No. 9: A New Devonian Crinoid from Western Maryland. By Arthur L. Bowsher. Pp. ii+8+1 plate. (Publication 4107.) Vol. 122, No. 1: Long-Range Effects of the Sun's Variation on the Temperature of Washington, D.C. By C. G. Abbot. Pp. 14. (Publication 4131.) (Washington, D.C.: Smithsonian Institution, 1953.) [256]

Nigeria. Annual Report on the Agricultural Department for the Year 1950-51. Pp. 123. (Lagos: Government Printer; London: Crown Agent for the Colonies, 1953.) 9d. net. [256]

Meddelande från Lunds Astronomiska Observatorium. Ser. 2, No. 130: Studies of Astronomical Scintillation; Results from Photo-electric Observations. By Folke Nettelblad. Pp. 98+9 plates. (Lund: Astronomiska Observatorium, 1953.) 15 kr. [256]

Australian Journal of Botany. Vol. 1, No. 1, March, 1953. Pp. 184+19 plates. (Melbourne: Commonwealth Scientific and Industrial Research Organization, and Australian National Research Council, 1953.) 7s. 6d. [256]

Canada: Department of Mines and Technical Surveys. Annual Report, Fiscal Year Ended March 31, 1952. Pp. 108. (Ottawa: Queen's Printer, 1952.) 50 cents. [296]

Editorial and Publishing Offices of "NATURE"

MACMILLAN & CO., LTD.,

ST. MARTIN'S STREET, LONDON, W.C.2.

Telephone Number: Whitehall 8831. Telegrams: Phisus Lesquare London

Annual subscription £6, payable in advance,
postage paid to any part of the world

Advertisements only should be addressed to

T. G. Scott & Son, Ltd., Crown House, 143-147 Regent Street, London, W.1

Telephone Number: Regent 3891

All rights reserved. Registered as a newspaper at the General Post Office