

APPOINTMENTS VACANT

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

PHYSICIST (Basic grade), initially for training and routine work on the physical aspects of radiotherapy (including high energy X- and Gamma-radiations)—The Secretary, Mount Vernon Hospital, Northwood, Middlesex (November 29).

EXPERIMENTAL OFFICER or SENIOR EXPERIMENTAL OFFICER IN THE DEPARTMENT OF THE MECHANICS OF FLUIDS, for duties which will include the design and construction of electronic apparatus for use in fluid mechanics research—The Registrar, The University, Manchester 13 (November 30).

LECTURER/ASSISTANT LECTURER (with a good honours degree and research experience) in **BOTANY**—The Staff Officer, College of Advanced Technology, Gosta Green, Birmingham 4, quoting Ref. 11/63/6 (November 30).

RESEARCH ASSISTANT (with a good honours degree in physics, chemistry or metallurgy) in **APPLIED SCIENCE**, to work with Dr. W. G. Townsend in the Electrical Engineering Laboratories on problems associated with the surface chemistry of semiconductor materials and other related effects—Dr. W. G. Townsend, Engineering Department, University College of Swansea, South Wales (November 30).

SENIOR LECTURER IN MATHEMATICS—The Secretary, Royal College of Science and Technology, George Street, Glasgow, C.1 (November 30).

SUB-LIBRARIAN (with a good honours degree and preferably professional qualifications and appropriate experience) in **THE FACULTIES OF MEDICINE AND VETERINARY SCIENCE**—The Registrar, The University, Liverpool, quoting Ref. No. CV/440/N (November 30).

LECTURER (with research interests in the field of organic molecular physics) in **PHYSICS**—The Registrar, The University, Manchester 13 (December 1).

LECTURER (with a good honours degree and professional or research experience in civil or mechanical engineering) in **THE DEPARTMENT OF ENGINEERING**—The Secretary, The University, Aberdeen (December 4).

LECTURER (with an honours degree in mathematics) in **MATHEMATICS IN THE DEPARTMENT OF EXTERNAL STUDIES**, University of Queensland, Brisbane, Australia—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (London and Brisbane, December 6).

ASSISTANT LIBRARIAN (honours graduate with library qualifications)—The Secretary, The Queen's University, Belfast, Northern Ireland (December 10).

LECTURER/SENIOR LECTURER IN PHYSICAL CHEMISTRY at Rhodes University, Grahamstown, South Africa—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (South Africa and London, December 10).

SENIOR TEACHING FELLOWS and TEACHING FELLOWS IN THE DEPARTMENT OF MATHEMATICS, Monash University, to assist in the teaching of one or more of the following subjects: applied mathematics, pure mathematics and mathematical statistics—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1; or The Registrar, Monash University, P.O. Box 92, Clayton, Victoria, Australia (Australia and London, December 13).

SENIOR TEACHING FELLOWS and TEACHING FELLOWS IN THE DEPARTMENT OF PHYSICS, Monash University—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1; or The Registrar, Monash University, P.O. Box 92, Clayton, Victoria, Australia (Australia and London, December 13).

SENIOR TEACHING FELLOWS and TEACHING FELLOWS IN THE DEPARTMENT OF ZOOLOGY AND COMPARATIVE PHYSIOLOGY at Monash University—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1; or The Registrar, Monash University, P.O. Box 92, Clayton, Victoria, Australia (Australia and London, December 13).

LECTURER, and an ASSISTANT, IN MATHEMATICS—The Secretary of University Court, The University, Glasgow (December 31).

CHAIR OF APPLIED MECHANICS WITHIN THE DEPARTMENT OF MECHANICAL ENGINEERING—The Registrar, The University, Liverpool, quoting Ref. CV/453/N (January 11).

UNIVERSITY LECTURER IN PHYSIOLOGY (some preference may be given to a candidate with interests in the general field of body fluids and electrolytes)—The Administrator, Department of Physiology, The University, South Parks Road, Oxford (January 31).

ASSISTANT EXPERIMENTAL OFFICER (with a pass degree or H.N.C. or, if under 22, G.C.E. "A" level (preferably in chemistry and zoology), O.N.C., or equivalent), for a programme of research on the biochemistry of lipids and their possible significance in cardiovascular degeneration in experimental animals—The Secretary, National Institute for Research in Dairying (University of Reading), Shinfield, near Reading, quoting Ref. 63/N/13.

ASSOCIATE PROFESSOR IN PHARMACOLOGY—Prof. M. F. Murnaghan, Faculty of Medicine, University of Ottawa, Ottawa, Canada.

HEAD (with a higher degree, an established field of research in electrical engineering, and a number of years of university teaching experience) of **THE DEPARTMENT OF ELECTRICAL ENGINEERING**, Nova Scotia Technical College—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1; and President G. W. Holbrook, Nova Scotia Technical College, Halifax, Nova Scotia, Canada.

LECTURER or SENIOR LECTURER (man or woman, preferably with teaching experience and a knowledge of modern methods) in **MATHEMATICS IN THE TRAINING DEPARTMENT**, to share in courses for the B.A. and B.Sc. (General) degrees and the three-year Teachers' Certificate—The Registrar, Goldsmith's College (University of London), New Cross, London, S.E.14.

OFFICIAL TUTORIAL FELLOWSHIP IN PHYSIOLOGY—The Master, St. Catherine's College, Oxford.

POST-DOCTORAL RESEARCH FELLOW, for work on a mass spectrometric study of gas reactions in shock waves—Prof. J. E. Dove, Department of Chemistry, University of Toronto, Toronto 5, Ontario, Canada.

RESEARCH ASSISTANT (with an honours degree and research experience in the field of mechanical properties of materials), to take day-to-day charge of a research project on the fracture of metals and non-metals—Dr. R. D. Hoyle, Mechanical Engineering Department, Imperial College of Science and Technology, London, S.W.7.

RESEARCH ASSOCIATE (with a Ph.D. or honours B.Sc. in physiology or pharmacology), to investigate mechanism of action of sympathomimetic amines on the tissues of the eye, with special reference to their action on intraocular dynamics—Dr. M. E. Langham, Department of Ophthalmological Research, Wilmer Institute, Johns Hopkins Hospital, Baltimore 5, Maryland, U.S.A.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Ambassade de France, Service de Presse et d'Information. Some Aspects of Scientific Research in France. Pp. 14. (London: Ambassade de France, Service de Presse et d'Information, 1963.) [109]

Royal Observatory Bulletins. No. 75: Time and Latitude Service 1962, July–September. Pp. B111–B130. (London: H.M. Stationery Office, 1963.) 3s. 6d. net. [109]

Steel Castings Development Committee. Data Sheet No. 8: Electrical Resistivity of Steel Castings. Pp. 3. Data Sheet No. 9: Torsional Properties of Steel Castings. Pp. 5. (Sheffield: Steel Castings Development Committee, 1963.) [109]

Planning, Vol. 29, No. 475 (9 September, 1963): French Planning—Some Lessons for Britain. By Malcolm MacLennan. Pp. 323–402. (London: Political and Economic Planning, 1963.) 7s. [109]

General Register Office. Census 1961: England and Wales. County Report—Hertfordshire. Pp. xxiii+141. (London: H.M. Stationery Office, 1963.) 28s. net. [109]

Royal Observatory Bulletins. No. 64: Photoelectric Magnitudes and Colours of Southern Stars. By A. W. J. Cousins and R. H. Stoy. Pp. E103–E248. (London: H.M. Stationery Office, 1963.) 24s. net. [109]

International Commission for Uniform Methods of Sugar Analysis. Report of the Proceedings of the Thirteenth Session held at The University of Hamburg and at The Atlantic Hotel, Hamburg, Germany, from August 26th to August 31st, 1962. Pp. vii+125. (Keston, Kent: International Commission for Uniform Methods of Sugar Analysis; Paris: Syndicat National des Fabricants de Sucre de France; New York: Sugar Research Foundation, Inc., 1963.) 28s.; 19 francs; 4 dollars. [109]

Other Countries

Institut Royal Météorologique de Belgique. Publications, Série A, No. 38: Les Anomalies Magnétiques de la Belgique. Par Dr. A. de Vuyst. Pp. 31. Publications, Série A, No. 40: Electricité Atmosphérique à la Base Roi Baudouin. Par A. van der Schueren et L. Koenigsfeld. Pp. 31. Observations Ionosphériques—Station de Dourbes. Juin 1963. Pp. 26. (Bruxelles: Institut Royal Météorologique de Belgique, 1963.) [189]

Report of the Department of Agriculture, New South Wales, for the year ended 30th June, 1962. Pp. 132. (Sydney: Government Printer, 1963.) [189]

Organisation for Economic Co-operation and Development. Ministerial Meeting on Science. Agenda Item III, (Background Paper)—Science, Economic Growth and Government Policy. Pp. 6. (Paris: Organisation for Economic Co-operation and Development, 1963.) [209]

Zoology Publications from Victoria University of Wellington. No. 33: Anguillid Leptocephali in the Southwest Pacific. By P. H. J. Castle. Pp. 1–14. No. 34: The Systematics, Development and Distribution of Two Bels of the Genus *Gnathophis* (Congridae) in Australasian Waters. By P. H. J. Castle. Pp. 15–47. No. 35: Studies on the Paua, *Haliotis iris* Martyn in the Wellington District, 1945–46. By Mary Sinclair. Pp. 16+4 plates. No. 36: The Holothurian Fauna of Cook Strait, New Zealand. By D. L. Fawson. Pp. 38. (Wellington: Victoria University of Wellington, 1963.) [249]

Canada: Department of Northern Affairs and National Resources. National Museum of Canada. Bulletin No. 195: The Hunting Group—Hunting Territory Complex Among the Mistassini Indians. By Edward S. Rogers. Pp. iv+95. (Ottawa: Queen's Printer, 1963.) [249]

New Zealand. Report of the Department of Scientific and Industrial Research for the year ended 31 March 1963. Pp. 87. (H.34.) (Wellington: Government Printer, 1963.) 3s. [249]

Plants and the Migrations of Pacific Peoples: a Symposium. Edited by Jacques Barran. (Tenth Pacific Science Congress, Honolulu, Hawaii.) Pp. v+136. (Honolulu, Hawaii: Bishop Museum Press, 1963.) 4 dollars. [249]

Department of Scientific Affairs, Pan American Union: General Secretariat, Organization of American States; and Inter-American Press Association Technical Center, Inc. Science Journalism. Pp. iii+62. (Washington, D.C.: Department of Scientific Affairs, Pan American Union, 1963.) [249]

United States Department of the Interior: Geological Survey. Bulletin 1133-C: Geology and Hydrology of the Elk River, Minnesota, Nuclear-Reactor Site. By R. P. Norvitch, Robert Schneider and R. G. Godfrey. Pp. iv+25+plates 1 and 2. Bulletin 1147-E: Distribution of Elements in Colorado Plateau Uranium Deposits—a Preliminary Report. By A. T. Miesch. Pp. iv+57+plates 1–3. Bulletin 1156-A: Geology of Brookhaven National Laboratory and Vicinity, Suffolk County, New York. By Wallace de Laguna. Pp. iii+35+plates 1 and 2. Bulletin 1162-E: Diamond-Drilling Exploration of the Beecher No. 3—Black Diamond Pegmatite, Custer County, South Dakota. By J. A. Redden. Pp. iii+11+plate 1. Bulletin 1172: Measuring Geothermal Gradients in Drill Holes Less Than 60 Feet Deep, East Tintic District, Utah. By T. S. Lovering and H. D. Goode. Pp. iv+48+plate 1. Water-Supply Paper 1588: Ground-Water Geology of Bexar County, Texas. By Ted Arnow. Pp. v+36+13 plates. (Washington, D.C.: Government Printing Office, 1963.) [249]

Organisation for Economic Co-operation and Development, European Nuclear Energy Agency. Fifth Report on the Activities of the Agency. Pp. iii+152. (Paris: Organisation for Economic Co-operation and Development, European Nuclear Energy Agency, 1963.) [249]

Institut for Atomenergi: Kjeller Research Establishment. Quarterly Progress Report, January–February–March, 1963. Pp. ii+27+23 figures. (Kjeller: Institut for Atomenergi, Kjeller Research Establishment 1963.) [249]

Golden Ties. (Published on the occasion of the fifty years' jubilee of the Co-operative Condensed Milk Factory, "Friesland".) Pp. 8+60 photographs. (Leeuwarden: Co-operative Condensed Milk Factory, 1963.) [249]

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