

FORTHCOMING EVENTS

(Meeting marked with an asterisk * is open to the public)

Tuesday, January 1

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 3 p.m.—Mr. J. F. Coales: "The Evolution of Automation". (Christmas Lecture for Older Schoolchildren. To be repeated on Wednesday, January 2, at 3 p.m.)

Tuesday, January 1—Friday, January 4

GEOGRAPHICAL ASSOCIATION (at the London School of Economics, Houghton Street, London, W.C.2).—Annual Conference.

Wednesday, January 2

INSTITUTE OF FUEL (at the Institution of Civil Engineers, Great George Street, London, S.W.1), at 5.30 p.m.—Mr. W. A. D. Baker: "Approval Tests for Coke Burning Domestic Appliances".*

INSTITUTE OF PETROLEUM (at 26 Portland Place, London, W.1), at 5.30 p.m.—Symposium on "Staff Training".

INSTITUTION OF MECHANICAL ENGINEERS, APPLIED MECHANICS GROUP (at 1 Birdcage Walk, Westminster, London, S.W.1), at 6.45 p.m.—Discussion on "New Techniques in Photo-Elasticity".

Thursday, January 3

PHYSICAL SOCIETY (joint meeting with the INSTITUTE OF REFRIGERATION, at the Junior Institution of Engineers, 14 Rochester Row, London, S.W.1), at 5.30 p.m.—Mr. M. J. Hickman: "The Thermal Properties of Heat Insulation at Low Temperatures".

INSTITUTE OF METALS, LONDON LOCAL SECTION (at 17 Belgrave Square, London, S.W.1), at 6.30 p.m.—Dr. H. K. Hardy: "The Metallurgical Challenge of Nuclear Power".

Friday, January 4

INSTITUTION OF MECHANICAL ENGINEERS, APPLIED MECHANICS GROUP (at 1 Birdcage Walk, Westminster, London, S.W.1), at 6 p.m.—Dr. J. M. Alexander and Prof. Hugh Ford: "An Experimental Investigation of the Process of Expanding Boiler Tubes".

Saturday, January 5

BRITISH INTERPLANETARY SOCIETY (in the Tudor Room, Caxton Hall, Caxton Street, London, S.W.1), at 6 p.m.—Dr. Michael W. Ovenden: "Astronomy and Earth Satellites".

APPOINTMENTS VACANT

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

NEUTRON SPECTROMETER ASSISTANT (at least 27 years of age, and with G.C.E. in four subjects at "O" level, including the English language and a mathematical or scientific subject, or equivalent qualifications) IN THE NUCLEAR PHYSICS DIVISION, to assist in the carrying out of slow neutron cross-section measurements on radioactive samples—The Establishment Officer, Atomic Energy Research Establishment, Harwell, Didcot, Berks, quoting Ref. 678/34 (January 1).

CHEMIST (with a good first- or second-class honours degree) at the Central Laboratory, Chiswick—The Recruitment and Training Officer (F/EV.618), London Transport, 55 Broadway, Westminster, London, S.W.1 (January 5).

SUPERINTENDENT OF THE CHEMISTRY LABORATORIES—The Registrar, The University, Sheffield (January 7).

EXPERIMENTAL OFFICER (preferably with a knowledge of chemistry, routine tests used in clinical pathology, and ability to handle farm animals) IN THE RADIO-BIOLOGICAL LABORATORY—The Secretary, Agricultural Research Council's Field Station, Compton, Newbury, Berks (January 14).

LECTURER IN ANATOMY at the University College of the West Indies—The Secretary, Senate Committee on Colleges Overseas in Special Relation, University of London, Senate House, London, W.C.1 (January 15).

EXPERIMENTAL OFFICER (with G.C.E. (advanced) in physics and one other scientific subject, or H.N.C. in applied physics or engineering with a good reading knowledge of Russian and one other foreign language) at the National Physical Laboratory, Teddington, Middlesex, for translating and abstracting from scientific journals—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.423/6A (January 19).

PROFESSOR AND HEAD (with high academic qualifications in mechanical engineering, and wide experience in research and teaching in internal combustion and automobile engineering, and in industrial testing and development work) OF THE DEPARTMENT OF INTERNAL COMBUSTION ENGINEERING—The Registrar, Indian Institute of Science, Bangalore 3, India (January 20).

SENIOR LABORATORY TECHNICIAN (over 35 years of age, and preferably with previous experience in histology and/or microbiology) for basic research in microbiology involving biophysical techniques—The Secretary, Grassland Research Institute, Hurley, near Maidenhead (January 25).

RESEARCH FELLOW (astronomer, with experience in Milky Way research by observational methods) IN THE DEPARTMENT OF ASTRONOMY, Research School of Physical Sciences, Australian National

University—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, January 28).

RESEARCH SCHOLARS (with a Master's degree or equivalent research experience) IN THE DEPARTMENTS OF ASTRONOMY, GEOPHYSICS, NUCLEAR PHYSICS, PARTICLE PHYSICS, RADIOCHEMISTRY and THEORETICAL PHYSICS, Research School of Physical Sciences, Australian National University, Canberra, Australia—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (January 28).

CHAIR OF PHYSICS in the University of Malaya, Singapore—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (January 31).

SENIOR LECTURER IN VETERINARY MEDICINE (specific and contagious diseases and epidemiology) at the University of Sydney, Australia—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, January 31).

LECTURER or ASSISTANT LECTURER IN CROP HUSBANDRY, at Makerere College (University College of East Africa)—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (April 8).

ASSISTANT PROFESSOR (with an honours degree in mathematics and preferably some postgraduate experience in research or teaching) IN THE DEPARTMENT OF MATHEMATICS—Head of the Department of Mathematics, University of New Brunswick, Fredericton, N.B., Canada.

BIOCHEMIST, Basic grade (with experience in steroid chemistry)—The Group Pathologist, The Mental Hospital's Group Laboratory, West Park Hospital, Epsom, Surrey.

BIOCHEMIST (with a first- or second-class honours degree or equivalent) to assist in research on amino-acids in animal nutrition; and a BACTERIOLOGIST (with a first- or second-class honours degree or equivalent) to assist in work on nutritional significance of micro-organisms of the digestive tract—The Secretary, Rowett Research Institute, Bucksburn, Aberdeenshire.

CHEMIST (with at least a four years university degree, and preferably specially trained in physico-chemistry); and a BACTERIOLOGIST (preferably with a university degree, and well trained in industrial microbiology) AT THE SUGAR MILLING RESEARCH INSTITUTE, Durban—The Director, Sugar Milling Research Institute, University Private Bag, King George V Avenue, Durban, South Africa, and to the South African Scientific Liaison Officer, Africa House, Kingsway, London, W.C.2.

DEMONSTRATOR IN THE DEPARTMENT OF PHYSICS, University College of Rhodesia and Nyasaland—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1.

DEMONSTRATOR (with a good first-class degree in science or engineering or equivalent qualification) to teach experimental aerodynamics and to participate in the expanding wind tunnel research activities; and an ASSISTANT WIND TUNNEL ENGINEER (with experience of the operation of large-scale plant involving powers of around 1,000 kW., and sound relevant knowledge of mechanical and electrical engineering techniques) for the operation of a 9 in. continuous supersonic tunnel and an 8 ft. by 6 ft. general purpose low-speed tunnel, and ancillary equipment—The Recorder, College of Aeronautics, Cranfield, Bletchley, Bucks.

LABORATORY TECHNICIAN (A.I.M.L.T. or equivalent qualifications) to assist with research work in bone histology—The Pathology Department, Institute of Orthopaedics, 234 Great Portland Street, London, W.1.

LABORATORY TECHNICIAN (male or female, with A.I.M.L.T. or equivalent)—North London Blood Transfusion Centre, Deansbrook Road, Edgware.

PHYSICIST IN CHARGE AT THE NORTHERN IRELAND RADIOTHERAPY CENTRE—The Secretary, Northern Ireland Radiotherapy Centre, Purdysburn, Belfast.

PRINCIPAL SCIENTIFIC OFFICER (with a first- or second-class honours degree in physics or electrical engineering, and at least three years postgraduate research experience in one or more of the following fields: (a) spark or arc discharge process; (b) generation of high energy high voltage pulses; or (c) capacitor development) to conduct a programme of research into certain aspects of weapon design—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting Ref. B/1000/34.

RESEARCH ASSISTANTS (honours graduates in chemistry) IN THE DEPARTMENT OF APPLIED SCIENCE, Wolverhampton and Staffordshire College of Technology—The Clerk to the Joint Education Committee, Education Offices, North Street, Wolverhampton.

SCIENCE GRADUATE (with a good degree in physics or equivalent, and preferably with previous experience in research) IN THE PHYSICS DEPARTMENT, for research on the measurement and suppression of dust—The Assistant Secretary, British Coal Utilization Research Association, Randalls Road, Leatherhead, Surrey, quoting Ref. C.84.

SCIENTIST (female, with a first- or second-class honours degree and some research experience) AT THE NATIONAL COAL BOARD'S SCOTTISH DIVISIONAL LABORATORY, Edinburgh, for work mostly concerned with studying the physical characteristics of fine coal and clay suspensions in water and high temperature reactions associated with brick making—The Divisional Chief Staff Officer, National Coal Board, 3 Eglinton Crescent, Edinburgh 12.

SLEEPING SICKNESS CONTROL OFFICER (preferably single, with a good general education and agricultural training, or knowledge of surveying, mapping, entomology or botany) in the Northern Nigeria Government, Medical Department—The Crown Agents, 4 Millbank, London, S.W.1, quoting M.3A/43728/NF.

SPECTROGRAPHIC CHEMIST, Research Officer (with at least a university degree with first- or second-class honours, and preferably some experience with spectrographic equipment and methods), with the Australian Atomic Energy Commission, Lucas Heights, Sydney, Australia, to organize a range of spectrographic analytical services and to carry out research on spectrographic analysis generally—The Australian Atomic Energy Commission Liaison Office, Australia House, Strand, London, W.C.2.

TECHNICIAN IN THE CHEMISTRY DEPARTMENT—The Secretary, Royal Holloway College, Englefield Green, Surrey.