

SOCIETY OF DYERS AND COLOURISTS, SCOTTISH SECTION (at the St. Enoch Hotel, Glasgow), at 7 p.m.—Mr. M. R. Fox: "The Relationship between the Chemical Constitution of Vat Dyes and their Dyeing and Fastness Behaviour".

ROYAL INSTITUTE OF CHEMISTRY (in the Material Research Laboratory, Philips Electrical, Ltd., New Road, Mitcham Junction), at 7.15 p.m.—Mr. R. J. Hercock: "The Theoretical Basis of Photography".

BRITISH CULTURAL COMMITTEE FOR PEACE (at St. Pancras Town Hall, Euston Road, London, N.W.1), at 8 p.m.—Discussion on "Culture and Peace—with Reference to the Congress at Wrocław" (to be opened by Prof. J. D. Bernal, F.R.S., Mr. Peter Blackman and Dr. Olaf Stapledon).

Wednesday, December 15

GEOLOGICAL SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 4.45 p.m.—Scientific Papers.

ROYAL METEOROLOGICAL SOCIETY (joint meeting with the ROYAL ASTRONOMICAL SOCIETY, in the Lecture Theatre, Science Museum, Exhibition Road, London, S.W.7), at 5 p.m.—Discussion on "Post-Glacial Climatic Change".

INSTITUTE OF WELDING, NORTH LONDON BRANCH (at East Ham Technical College, Barking Road, London, E.6), at 7.30 p.m.—Open Discussion on "Welding Methods".

SOCIETY FOR VISITING SCIENTISTS (at 5 Old Burlington Street, London, W.1), at 7.30 p.m.—Discussion on "Relations between Scientists and Administration" (to be opened by Mr. F. A. Cobb, M.P., Dr. R. Cockburn and Dr. C. Gordon).

Thursday, December 16

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Mr. B. Katz: "The Electrical Properties of the Muscle Fibre Membrane"; Dr. M. F. Perutz: "An X-Ray Study of Horse Methemoglobin", Part 2.

LONDON MATHEMATICAL SOCIETY (at the Royal Astronomical Society, Burlington House, Piccadilly, London, W.1), at 5 p.m.—Prof. G. Szegő: "Recent Investigations on Electrostatic Capacity and related Quantities".

INSTITUTION OF MINING AND METALLURGY (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 5.15 p.m.—Messrs. R. C. Trumbull, W. Hardiek and E. G. Lawford: "Notes on the Treatment of Pyrites Cinders at the Plant of the Pyrites Co., Inc., Wilmington, Delaware".

BRITISH INSTITUTION OF RADIO ENGINEERS (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 6 p.m.—Mr. J. B. Birks: "The Physical Applications of Microwaves".

ROYAL AERONAUTICAL SOCIETY (at the Institution of Civil Engineers, Great George Street, London, S.W.1), at 6 p.m.—Mr. D. J. Lyons: "Present Thoughts on the Use of Powered Flying Controls in Aircraft".

TEXTILE INSTITUTE, LONDON SECTION (at the Holborn Restaurant, 218 High Holborn, London, W.C.1), at 6.30 p.m.—Discussion on "Technical Education" (to be opened by Dr. J. C. Withers).

BRITISH INSTITUTE OF RADIOLOGY (at 32 Welbeck Street, London, W.1), at 8 p.m.—Dr. Denis Taylor: "British Radiation Monitoring Equipment".

Friday, December 17

INSTITUTE OF NAVIGATION (with the ROYAL GEOGRAPHICAL SOCIETY, at Kensington Gore, London, S.W.7), at 4.30 p.m.—Opening by H.R.H. the Duke of Edinburgh of an Exhibition "Navigation through the Ages" at 5.30 p.m.—Sir Robert Watson-Watt, F.R.S.: "Radio and Position". (The Exhibition will be open at 10.30 a.m. until January 31.)

PHYSICAL SOCIETY, LOW-TEMPERATURE GROUP (in the Lecture Theatre, Science Museum, Exhibition Road, London, S.W.7), at 4.30 p.m.—Third Annual General Meeting; at 5 p.m.—Prof. D. M. Newitt, F.R.S.: "The Use of Thermodynamic Diagrams in Industry".

PHYSICAL SOCIETY, OPTICAL GROUP (at the Institute of Physics, 47 Belgrave Square, London, S.W.1), at 5 p.m.—Scientific Papers.

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 6 p.m.—Mr. H. A. V. Bulleid: "Cinematography in Engineering".

SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS, BIOLOGICAL METHODS GROUP (at Gas Industry House, 1 Grosvenor Place, London, S.W.1), at 6.15 p.m.—Annual General Meeting; at 6.30 p.m.—Scientific Papers.

SOCIETY OF INSTRUMENT TECHNOLOGY, MIDLAND SECTION (at the Arden Hotel, New Street, Birmingham), at 7 p.m.—Mr. E. Simpson: "Optical Devices—Simple Optical Devices Applied to Weighing and Measuring".

Friday, December 17—Saturday, December 18

ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH (at the University of London, Senate House, London, W.C.1).—Conference of the Universities of Great Britain and Northern Ireland.

APPOINTMENTS VACANT

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

RESEARCH ASSISTANT IN BIOCHEMISTRY, and a **TECHNICAL ASSISTANT IN BIOCHEMISTRY**—The Secretary, Department of Pharmacology, Medical School, The University, Birmingham 15 (December 18).

UNESTABLISHED POSTS at the National Physical Laboratory, Teddington, in connexion with work which is being undertaken to promote the use of automatic control devices in industry—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting A.384/48A (December 18).

SENIOR LABORATORY TECHNICIAN with special experience in biochemistry—The Group Pathologist, Archway Hospital, London, N.19 (December 18).

MATHEMATICIANS (Senior Scientific Officer grade) at a Ministry of Supply research and development establishment near London for (a) theoretical investigation into the detonation of explosives, (b) numerical analysis of problems in applied mathematics, and (c) work on fluid mechanics—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting A.391/48A (December 18).

MATHEMATICIANS AND MATHEMATICAL PHYSICISTS (Scientific Officer grade) for work in solid and fluid mechanics and high-speed gas dynamics, statistical mechanics and quantum theory, statistics, in Ministry of Supply research and development establishments in and near London—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting A.392/48A (December 20).

LECTURER IN INDUSTRIAL AND GENERAL PSYCHOLOGY in the University of Western Australia—The Agent-General for Western Australia, 115–116 Strand, London, W.C.2 (December 20).

LECTURER IN THE DEPARTMENT OF BIOCHEMISTRY—The Registrar, The University, Liverpool (December 24).

RESEARCH ASSISTANT IN THE DEPARTMENT OF CHEMISTRY—The Registrar, The University, Manchester 13 (December 24).

ASSISTANT EXPERIMENTAL OFFICERS to assist with performance testing of aircraft at a Ministry of Supply establishment in Wilts—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting A.393/48A (December 30).

PROFESSOR OF PHYSICS, and a **LECTURER IN BACTERIOLOGY**, in the University of Queensland—The Secretary, Association of Universities of the British Commonwealth, 32 Woburn Square, London, W.C.1 (December 31).

LECTURER IN APPLIED PSYCHOLOGY in the Joint Department of Psychological Medicine of King's College and the Royal Victoria Infirmary—The Registrar, King's College, Newcastle-upon-Tyne (December 31).

LECTURER (Grade III) IN CHEMISTRY—The Registrar, Queen Mary College, Mile End Road, London, E.1 (December 31).

PHYSICIST (either Lecturer or Assistant Lecturer grade) in the Department of Textile Industries—The Principal, Municipal College of Technology, Manchester (January 3).

READER or SENIOR LECTURER IN BIOCHEMISTRY in the University College of the West Indies—The Secretary, Special Committee of the Senate on Higher Education in the Colonies, University of London, Senate House, London, W.C.1 (January 15).

CIVIL ENGINEERS (Hydro-electric Design Section), a **MECHANICAL ENGINEER** (Hydro-electric Design Section), and **MECHANICAL ENGINEERS** (Mechanical Section), in the New Zealand Government Department of Works—The Official Secretary, Office of the High Commissioner for New Zealand, 415 Strand, London, W.C.2 (January 15).

SENIOR LECTURER or LECTURER IN ANATOMY—The Registrar, The University, Sheffield (January 22).

CHAIR OF APPLIED CHEMISTRY, the **CHAIR OF APPLIED PHYSICS**, and the **CHAIR OF APPLIED MATHEMATICS**, in the New South Wales Technical University—The Agent-General, New South Wales Government Offices, 56 Strand, London, W.C.2 (January 25).

SENIOR LECTURER or LECTURER IN MATHEMATICS, and a **SENIOR LECTURER or LECTURER IN PHYSICAL CHEMISTRY**, in the University College of the West Indies—The Secretary, Inter-University Council for Higher Education in the Colonies, 8 Park Street, London, W.1 (February 15).

CHAIR OF ANTHROPOLOGY in Auckland University College (University of New Zealand)—The Secretary, Association of Universities of the British Commonwealth, 32 Woburn Square, London, W.C.1 (March 1).

LECTURER or ASSISTANT LECTURER IN ANATOMY in the University College of the West Indies—The Secretary, Senate Committee on Higher Education in the Colonies, University of London, Senate House, London, W.C.1 (March 1).

BOTANIST (male) to undertake cytogenetic research on sugar cane at the British West Indies Central Sugar Cane Breeding Station—The Under-Secretary of State, Colonial Office, Research Department, Sanctuary Buildings, Great Smith Street, London, S.W.1.

ASSISTANT SUGAR TECHNOLOGIST in the Imperial College of Tropical Agriculture, Trinidad—The Secretary, Imperial College of Tropical Agriculture, Grand Buildings, Trafalgar Square, London, W.C.2.

DEMONSTRATOR (woman) IN THE DEPARTMENT OF ANATOMY—The Secretary, Charing Cross Hospital Medical School, 62 Chandos Place, London, W.C.2.

ORGANIC CHEMISTS (2) to undertake research initially on the chemistry of vulcanization, a **PHYSICAL CHEMIST** to study problems arising in the oxidation of rubber, a **COLLOID or PHYSICAL CHEMIST** for fundamental studies in surface chemistry, a **COLLOID or PHYSICAL CHEMIST** for applied research on rubber latex, a **RUBBER TECHNOLOGIST**, and a **LATEX TECHNOLOGIST**—The Director of Research, British Rubber Producers' Research Association, 48–52 Tewin Road, Welwyn Garden City, Herts.

CANDIDATE (with a university degree in chemistry) to organise collation and indexing of chemical abstracts and to supply information to the chemistry division of the Atomic Energy Research Establishment, Didcot—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting F.1021/48A.

BIOLOGICAL ASSISTANT (with degree in physiology or zoology)—Mrs. Simpson, Courtauld Institute of Biochemistry, Middlesex Hospital, London, W.1.

PHYSICIST (preferably with some research experience) to study rheological properties of yarns and filaments—The Secretary, British Rayon Research Association, Bridgewater House, 58 Whitworth Street, Manchester 1.