

INSTITUTE OF MINING AND METALLURGY (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 5 p.m.—Mr. J. C. Allan, Mr. G. A. Smith and Mr. R. I. Lewis: "The Panasqueira Mines, Portugal—Wolfram Mining and Milling; and Labour Organization".

LINNEAN SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 5 p.m.—Dr. Frank W. Jane: "A New Species of *Chlororhabdon*"; Mr. A. H. G. Alston: "Systematic Botany and Botanical Collections in Germany"; Dr. A. Tindell Hopwood: "Contributions to the Study of some African Mammals, 4, The Skulls of Lion, Leopard and Cheetah".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Prof. N. F. Mott, F.R.S.: "Problems before Theoretical Physics, 1".

CHEMICAL SOCIETY, NORTH WALES SECTION (joint meeting with the UNIVERSITY COLLEGE OF NORTH WALES CHEMICAL SOCIETY, LIVERPOOL SECTION, and the UNIVERSITY OF LIVERPOOL CHEMICAL SOCIETY, in the Department of Chemistry, University College, Bangor), at 5.30 p.m.—Dr. G. M. Bennett: "Nitration in Sulphuric Acid".

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. C. Lawton and Mr. V. H. Winsor: "The Development and Design of Colonial Telecommunication Systems and Plant" and "The General Planning and Organization of Colonial Telecommunication Systems".

BRITISH INSTITUTION OF RADIO ENGINEERS (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 6 p.m.—Prof. G. W. O. Howe: "The Ionosphere and the Transmission of Radio Waves".

SHEFFIELD METALLURGICAL ASSOCIATION (joint meeting with the SOUTH YORKSHIRE SECTION of the ROYAL INSTITUTE OF CHEMISTRY, the SHEFFIELD SECTION of the CHEMICAL SOCIETY, and the SHEFFIELD UNIVERSITY CHEMICAL SOCIETY, in the Chemistry Lecture Theatre, The University, Western Bank, Sheffield), at 6 p.m.—Dr. C. H. Desch, F.R.S.: "Chemistry in the Metallurgical Industries".

SOCIETY OF CHEMICAL INDUSTRY, ROAD AND BUILDING MATERIALS GROUP (at Gas Industry House, 1 Grosvenor Place, London, S.W.1), at 6 p.m.—Mr. L. H. Griffiths: "Latex Cement and other Flooring Compositions".

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 7.30 p.m.—Mr. H. D. C. Waters, Mr. A. R. Caverhill and Mr. P. W. Robertson: "The Kinetics of Halogen Addition to Unsaturated Compounds, Part 12, Iodine Catalysis of Chlorine and Bromine Addition to Ethyl Cinnamate"; Mr. A. Robertson and Mr. W. A. Waters: "Evidence for the Homolytic Bond Fission of 'Positive Halogen' Compounds".

CHEMICAL SOCIETY, SOCIETY OF CHEMICAL INDUSTRY and ROYAL INSTITUTE OF CHEMISTRY, EDINBURGH and EAST OF SCOTLAND SECTIONS (at the North British Station Hotel, Edinburgh), at 7.30 p.m.—Prof. F. S. Spring: "Some Developments in the General Methods of Organic Chemistry".

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 8 p.m.—Laboratory Meeting.

TEXTILE INSTITUTE, MACLESFIELD, LEEK and DISTRICT SECTION (joint meeting with the LEEK TEXTILE SOCIETY, at Nicholson Institute, Leek), at 8 p.m.—Mr. A. B. Armstrong: "Motion and Time Study".

Friday, November 22

INSTITUTE OF PHYSICS, INDUSTRIAL SPECTROSCOPIC GROUP (in the Department of Applied Science, The University, St. George's Square, Sheffield), at 2.15 p.m.—Annual General Meeting. Mr. D. M. Smith: "The Spectrographic Analysis of High-purity Materials".

PHYSICAL SOCIETY, OPTICAL GROUP (in the Physics Department, Imperial College, Imperial Institute Road, London, S.W.7), at 3 p.m.—Dr. E. H. Infont: "The Diffraction Theory of the Phase-Contrast Test"; Mr. E. W. Taylor: "Demonstration of a New Phase-Contrast Microscope; Phase-Contrast Films".

INSTITUTE FOR THE STUDY OF ANIMAL BEHAVIOUR (at the Zoological Society, Regent's Park, London, N.W.8), at 4 p.m.—Dr. R. Braude: "Some Observations on the Behaviour of Pigs in an Experimental Pigery"; Mr. R. Phillips: "Some Observations upon Behaviour in Sheep with particular reference to Grazing Habits and to Climate".

ROYAL ASTRONOMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Geophysical Discussion on "English Oilfields" (Speakers: Dr. E. C. Bullard, F.R.S., Mr. L. H. Tarrant, Dr. J. Phenister and Mr. J. E. R. Wood).

UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL (in Lecture Theatre No. 1, University Street, Gower Street, London, W.C.1), at 4.30 p.m.—Dr. P. A. Owren: "New Factors concerned in the Coagulation of Blood".

CHEMICAL SOCIETY, NEWCASTLE and DURHAM SECTION (at King's College, Newcastle-upon-Tyne), at 5 p.m.—Dr. J. L. Simonsen, F.R.S.: "Insecticides" (Bedson Club Lecture).

GENETICAL SOCIETY (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5 p.m.—Prof. Tage Kemp: "Multiple Factors in Morbid Inheritance" (accompanied by a film "The Rat Dwarf").

INSTITUTION OF ELECTRICAL ENGINEERS, MEASUREMENTS SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Dr. F. M. Bruce: "The Design of an Ellipsoid Voltmeter for the Precision Measurement of High Alternating Voltages" and "Calibration of Uniform-Field Spark-Gaps for High-Voltage Measurement at Power Frequencies".

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 5.30 p.m.—Mr. Harold Wagborne: "Continuous Braking of Trains"; Mr. R. I. D. Arthurton: "Automatic Couplers for Railway Rolling Stock".

INSTITUTE OF FUEL, SCOTTISH SECTION (at the Royal Technical College, Glasgow), at 5.45 p.m.—Mr. G. C. Scolding: "Underfeed Stokers"; Mr. A. Bujnowski: "Gas Firing"; Mr. A. B. S. Laidlaw: "Oil Firing".

INSTITUTE OF THE PLASTICS INDUSTRY, NORTH-WESTERN SECTION (at the Engineers' Club, Albert Square, Manchester), at 6.45 p.m.—Chairman's Address.

Saturday, November 23

INSTITUTE OF PHYSICS, INDUSTRIAL SPECTROSCOPIC GROUP (in the Department of Applied Science, The University, St. George's Square, Sheffield), at 2 p.m.—Mr. Braudo and Mr. Clayton: "The Development of the Metro-Vick Spark Unit".

Friday, November 22—Sunday, November 24

WOMEN'S ENGINEERING SOCIETY (at Birmingham).—Conference on "Education and Training for Engineering".

Saturday, November 23

(At the University, Edmund Street, Birmingham).—Mr. C. A. Harrison: "The Aims of Education"; Mr. John Maslin: "Practical Steps in the Inauguration of a Training School"; Miss Verena Holmes: "The Co-ordination of Theory and Practice in Engineering Training".

APPOINTMENTS VACANT

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

WILLIAM JAMES COURTAULD CHAIR OF HELMINTHOLOGY tenable at the London School of Hygiene and Tropical Medicine—The Academic Registrar, University of London, Senate House, London, W.C.1 (November 21).

LECTURER IN PHYSIOLOGY up to B.Sc. standard—The Principal, Chelsea Polytechnic, Manresa Road, London, S.W.3 (November 22).

CHEMIST for fundamental researches in connexion with a small team of Marine Biologists at Millport, Isle of Cumbrae, on anti-fouling composition for marine use—The Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1 (November 23).

LECTURER IN BIOLOGY, a LECTURER IN PHYSIOLOGY or BIOCHEMISTRY, and a LECTURER IN HISTOLOGY and EMBRYOLOGY—The Secretary, Glasgow Veterinary College, Inc., County Buildings, 149 Ingram Street, Glasgow, C.1 (November 23).

AGRICULTURAL ASSISTANT to the Education Committee—The Chief Education Officer, Shire Hall, Cambridge (November 23).

ASSISTANT LECTURER IN MECHANICAL ENGINEERING—The Registrar, College of Technology, Manchester (November 25).

LECTURER IN BOTANY, with special qualifications in Mycology—The Secretary, University Court, The University, Glasgow (November 30).

LECTURERS (1 or 2) to teach PHYSICS or CHEMISTRY, with some APPLIED MATHEMATICS or MATHEMATICS, to students up to general B.Sc. standard—The Registrar, Loughborough College, Loughborough, Leics.

LECTURER IN THE DEPARTMENT OF MECHANICAL ENGINEERING—The Clerk and Treasurer, Dundee Technical College, Bell Street, Dundee.

SENIOR LECTURERS IN PHYSICS and MATHEMATICAL PHYSICS, LECTURERS IN PHILOSOPHY and ZOOLOGY, and ASSISTANT LECTURERS IN HISTORY, PHYSICS and MATHEMATICS, in the University of Otago, Dunedin, New Zealand—The High Commissioner for New Zealand, 415 Strand, London, W.C.2.

TECHNICIAN IN THE CHEMISTRY DEPARTMENT—Prof. C. S. Gibson, F.R.S., Chemistry Department, Guy's Hospital Medical School, London Bridge, London, S.E.1.

LABORATORY TECHNICIANS (2) IN THE PHYSIOLOGY DEPARTMENT—The Warden and Secretary, London (Royal Free Hospital) School of Medicine for Women, 8 Hunter Street, London, W.C.1.

ASSISTANT LECTURER and DEMONSTRATOR IN PHYSIOLOGY—The Secretary, King's College of Household and Social Science, Campden Hill Road, London, W.8.

LECTURER IN EDUCATION (Science graduate, experience in use of visual techniques essential)—The Registrar, University College, Leicester.

METEOROLOGISTS for service in the Sudan—The Sudan Agent, Wellington House, Buckingham Gate, London, S.W.1, endorsed "Meteorologist".

TECHNICIAN FOR DEPARTMENT OF MEDICINE—The Professor of Medicine, Medical School, The University, Birmingham 15.

HONOURS GRADUATE IN CHEMISTRY (young), to carry out research on adhesives and emulsions in connexion with the sizing for weaving of synthetic yarns, and a JUNIOR RESEARCH OFFICER (Hons. Graduate in Physics or Applied Mathematics), for research on the weaving behaviour of textile yarns in relation to their mechanical and physical properties—The Director, British Cotton Industry Research Association, Shirley Institute, Didsbury, Manchester 20.

EXECUTIVE SECRETARY—The Honorary Secretaries, Royal Meteorological Society, 49 Cromwell Road, London, S.W.7.

LECTURER IN ELECTRICAL and MECHANICAL ENGINEERING—The Principal, Faraday House, Southampton Row, London, W.C.1.

SENIOR ASSISTANT IN GEOLOGY, with special reference to Mining, an ASSISTANT IN BOTANY and GENERAL BIOLOGY, and an ASSISTANT IN GEOGRAPHY and ELEMENTARY MATHEMATICS—The Principal and Clerk to the Governing Body, Wigan and District Mining and Technical College, Wigan.

LECTURER IN MECHANICAL ENGINEERING, and a LECTURER IN ELECTRICAL ENGINEERING—The Principal, Marine School, South Shields.

LECTURER IN APPLIED MECHANICS at the Royal Naval College, Greenwich—The Director, Education Department, Admiralty, London, S.W.1.

SCIENTIFIC OFFICERS (2) for the Fuel Technology Section of the Plant Engineering Division, to carry out operational research in the Iron and Steel Industry—The Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1, endorsed "Plant Engineering Division".