

## FORTHCOMING EVENTS

## Saturday, December 8

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, DIVISION FOR THE SOCIAL AND INTERNATIONAL RELATIONS OF SCIENCE (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1).—Conference on "Scientific Research and Industrial Planning". At 10.15 a.m.—"Economic Aspects of Research" (Speakers: Prof. P. Sargant Florence, Mr. F. E. Smith, Prof. M. L. E. Oliphant, F.R.S.); at 2.15 p.m.—"The Human Factor" (Speakers: Sir Arthur Fleming, Dr. C. P. Snow, Mr. J. Kendall, Prof. J. D. Bernal, F.R.S., Mr. J. A. Lauwerys).

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (at Neville Hall, Newcastle-upon-Tyne 1), at 2.30 p.m.—Mr. F. T. P. Dickens: "Training Within Industry".

## Monday, December 10

ROYAL GEOGRAPHICAL SOCIETY (at Kensington Gore, South Kensington, London, S.W.7), at 5.30 p.m.—Major-General G. Cheetham: "New Medium and Small-Scale Maps of the Ordnance Survey".

## Tuesday, December 11

ROYAL SOCIETY OF ARTS, DOMINIONS AND COLONIES SECTION (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Dr. E. P. Weeks: "Canada and Post-War Reconstruction".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Sir Henry Dale, O.M., Pres.R.S.: "Recent Developments in Chemical Therapeutics", (i) "Sulphanilamide and its Derivatives".

INSTITUTION OF ELECTRICAL ENGINEERS, RADIO SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Discussion on "The Servicing of Radio and Television Receivers" (to be opened by Dr. R. C. G. Williams).

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 5.30 p.m.—Discussion on "D.D.T." (to be opened by Prof. G. R. Cameron, Dr. A. Thelwall Jones and Dr. H. D. Clarke).

ILLUMINATING ENGINEERING SOCIETY (at the E.L.M.A. Lighting Service Bureau, 2 Savoy Hill, London, W.C.2), at 6 p.m.—Dr. J. N. Aldington: "Bright Light Sources".

SOCIETY OF CHEMICAL INDUSTRY (joint meeting of the NUTRITION PANEL OF THE FOOD GROUP and the INSTITUTE OF BREWING, at the Horseshoe Hotel, Tottenham Court Road, London, W.1), at 6 p.m.—Dr. F. W. Norris: "Carbohydrate, Nitrogenous, Mineral and Alcohol Constituents of Beer"; Mr. J. W. Tullo: "Vitamins in Beer".

QUEKETT MICROSCOPICAL CLUB (at the Royal Society, Burlington House, Piccadilly, London, W.1), at 6.30 p.m.—Scientific Papers.

BRITISH INSTITUTION OF RADIO ENGINEERS, SCOTTISH SECTION (at Heriot-Watt College, Chamber Street, Edinburgh 1), at 7 p.m.—Prof. M. G. Say: "Ultra-High Frequency Techniques".

SHEFFIELD METALLURGICAL ASSOCIATION (at 198 West Street, Sheffield 1), at 7 p.m.—Dr. C. Sykes, F.R.S.: "Hydrogen and its Importance in Large Masses of Steel".

## Wednesday, December 12

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Sir Horace Wilson, G.C.B.: Amulree Memorial Lecture.

INSTITUTE OF PETROLEUM (at 26 Portland Place, London, W.1), at 4.30 p.m.—32nd Annual General Meeting; at 5.30 p.m.—Mr. J. F. Waters: "Some Problems encountered during Well Shooting Operations in the Nottinghamshire Oilfields".

INSTITUTION OF ELECTRICAL ENGINEERS, TRANSMISSION SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Dr. E. Billig: "Mechanical Stresses in Transformer Windings".

BRITISH ASSOCIATION OF CHEMISTS (joint meeting of the LONDON SECTION with the SCIENTIFIC FILM ASSOCIATION, in the Cinema of the British Council, 3 Hanover Street, London, W.1), at 6.30 p.m.—Programme will include films on Penicillin, D.D.T., and the discovery of a new pigment.

## Thursday, December 13

LONDON MATHEMATICAL SOCIETY (at the Royal Astronomical Society, Burlington House, Piccadilly, London, W.1), at 3 p.m.—Prof. G. F. J. Temple: "Newtonian Aerodynamics".

ROYAL COLLEGE OF SURGEONS OF ENGLAND (at Lincoln's Inn Fields, London, W.C.2), at 5 p.m.—Prof. W. E. Le Gros Clark, F.R.S.: "The Contribution of Anatomy to the War".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Sir James Jeans, O.M., F.R.S.: "Physical Astronomy", (iii) "The Dust and Gas of Interstellar Space".

INSTITUTION OF ELECTRICAL ENGINEERS, INSTALLATIONS SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. F. W. Tomlinson and Mr. H. M. Wright: "Mineral-Insulated Metal-Sheathed Conductors".

SOCIETY OF INSTRUMENT TECHNOLOGY (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 6 p.m.—Mr. G. H. Farrington: "Automatic Temperature Control of Jacketed Pans".

INSTITUTE OF PHYSICS, LONDON AND HOME COUNTIES BRANCH (in the Reid-Knox Hall, British Institute of Radiology and Röntgen Society, 32 Welbeck Street, London, W.1), at 6.30 p.m.—Dr. E. G. Richardson: "The Production and Applications of Supersonics".

WOMEN'S ENGINEERING SOCIETY, MANCHESTER BRANCH (at the Engineers' Club, Albert Square, Manchester), at 6.30 p.m.—Prof. H. Wright Baker: "Recent Trends in the Education of Engineers".

PHARMACEUTICAL SOCIETY (at 17 Bloomsbury Square, London, W.C.1), at 7 p.m.—Dr. C. J. Blok: "Pharmaceutical Conditions in Holland under the German Occupation".

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (at Manson House, 26 Portland Place, London, W.1), at 8 p.m.—Discussion on "The Teaching of Tropical Medicine" (to be opened by Dr. L. Everard Napier).

## Friday, December 14

PHYSICAL SOCIETY, OPTICAL GROUP (in the Lecture Theatre, Science Museum, Exhibition Road, London, S.W.7), at 3.30 p.m.—Discussion on "The Coating of Optical Components to reduce Reflection" (to be opened by Dr. K. M. Greenland).

ROYAL ASTRONOMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Scientific Papers.

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Prof. M. L. Oliphant, F.R.S.: "The Utilization of Nuclear Energy".

INSTITUTION OF ELECTRICAL ENGINEERS, MEASUREMENTS SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. G. F. Shotton and Mr. H. D. Hawkes: "A Precision A.C./D.C. Comparator for Power and Voltage Measurement".

BRITISH ASSOCIATION OF CHEMISTS, ST. HELENS SECTION (at the Y.M.C.A. Buildings, St. Helens), at 7.30 p.m.—Mr. A. V. Harrison: "Technical Education and its relationship with Industry".

## Saturday, December 15

ASSOCIATION OF SCIENTIFIC WORKERS, LEEDS BRANCH (at the Riley-Smith Hall, University Road, Leeds 2), at 2.30 p.m.—Second Conference on "Science and Education". Prof. J. D. Bernal, F.R.S.: "The Policy of the Association of Scientific Workers in regard to Science and Education".

SOCIETY OF CHEMICAL INDUSTRY (joint meeting of the FOOD GROUP with the YORKSHIRE SECTION of the S.C.I. and the HULL CHEMICAL AND ENGINEERING SOCIETY, in the Lecture Theatre of the Mining Department, The University, Leeds), at 3 p.m.—Mr. J. Pryce Jones: "Honey".

## APPOINTMENTS VACANT

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

ENGINEERING ASSISTANT—The Engineer and Manager, Northampton Water Undertaking, Municipal Offices, Fish Street, Northampton (December 14).

LECTURER IN MECHANICAL ENGINEERING, to teach Production Engineering Subjects, Machines Theory and Design—The Principal, Derby Technical College, Normanton Road, Derby (December 14).

ASSISTANT ENGINEER for large Rubber Works in Scotland—The Ministry of Labour and National Service, Appointments Department, Technical and Scientific Register, Room 670, York House, Kingsway, London, W.C.2, quoting C.2806.XA (December 15).

ASSISTANT LECTURER (temporary) IN MATHEMATICS—The Registrar, University College, Hull (December 15).

LECTURER (full-time) IN PHYSIOLOGY—The Clerk to the Governing Body, Battersea Polytechnic, Battersea, London, S.W.11 (December 15).

SECRETARY OF THE APPOINTMENTS BOARD—The Registrar, The University, Manchester (December 15).

ELECTRICAL ENGINEER by the Sudan Railways—The Ministry of Labour and National Service, Appointments Department, Technical and Scientific Register, Room 670, York House, Kingsway, London, W.C.2, quoting D.1590.A (December 17).

CIVIL ENGINEERING ASSISTANT—The Engineer-in-Chief, South Staffordshire Waterworks Co., 50 Sheepcote Street, Birmingham 15 (December 21).

DISTRICT MECHANICAL ENGINEER (WORKSHOPS) by the Iraqi State Railways—The Ministry of Labour and National Service, Appointments Department, Technical and Scientific Register, Room 670, York House, Kingsway, London, W.C.2, quoting C.2429.A (December 22).

LECTURER IN PHYSICS in the University of Cape Town—The Ministry of Labour and National Service, Appointments Department, Technical and Scientific Register, Room 670, York House, Kingsway, London, W.C.2, quoting A.1197.A (December 29).

ASSISTANT LECTURER IN BOTANY—The Registrar, The University, Sheffield (December 31).

LECTURER (full-time) IN THE DEPARTMENT OF PHYSICS AND MATHEMATICS—The Principal, Birmingham Central Technical College, Suffolk Street, Birmingham 1 (December 31).

LECTURER IN PHYSICAL CHEMISTRY, and an ASSISTANT LECTURER IN CHEMISTRY—The Registrar, The University, Sheffield (December 31).

LECTURER IN PRODUCTION ENGINEERING at the Municipal College, Southend-on-Sea—The Chief Education Officer, Education Office, Warrior Square, Southend-on-Sea.

JUNIOR ASSISTANT BACTERIOLOGIST (B.Sc.) for Central Laboratory—The Medical Officer of Health, 23 Montrose Street, Glasgow.

RESEARCH ASSISTANT IN THE DEPARTMENT OF BACTERIOLOGY—The Principal, Harper Adams Agricultural College, Newport, Shropshire.

YOUNG GRADUATE, preferably in PHYSICS or PHYSICAL CHEMISTRY, for research work on moulding materials, their properties and testing, and a YOUNG GRADUATE, preferably in CHEMISTRY or METALLURGY, for research on corrosion and related problems—The Director, British Cast Iron Research Association, Alvechurch, Birmingham.

TECHNICAL ASSISTANTS (CHEMICAL) for Petroleum Research Laboratory in London area for small experimental plants—The Ministry of Labour and National Service, London Appointments Office, 1-6 Tavistock Square, London, W.C.1, quoting CN.48.

BACTERIOLOGIST with a good knowledge of serological method, to assist in the study of streptococci associated with acute disease in infants—The Secretary, National Institute for Research in Dairying, Shinfield, Reading, Berks.