

## FORTHCOMING EVENTS

22/11 Meetings marked with an asterisk \* are open to the public

## Monday, December 12

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY (in the Reynolds Hall, College of Technology, Manchester), at 5.30 p.m.—Dr. J. Crighton Beavell: "The Changing Face of Medicine" (Ramsden Memorial Lecture).\*

INSTITUTION OF THE RUBBER INDUSTRY, MANCHESTER SECTION (at the Engineers' Club, Albert Square, Manchester), at 6.15 p.m.—Mr. C. E. Webb: "Sulphur Chloride Reactions in relation to the Rubber Industry".

INSTITUTION OF THE RUBBER INDUSTRY, LIVERPOOL SECTION (at Common Hall, Hacksins Hey, Liverpool), at 7 p.m.—Dr. F. H. Cotton: "The History of Rubber".

CHEMICAL SOCIETY, ABERDEEN SECTION (joint meeting with the ROYAL INSTITUTE OF CHEMISTRY and the SOCIETY OF CHEMICAL INDUSTRY, in the Chemistry Department, Marischal College, Aberdeen), at 7.30 p.m.—Prof. H. J. Emelius, F.R.S.: "Some Recent Advances in the Chemistry of Fluorine Compounds".

## Tuesday, December 13

INSTITUTION OF CHEMICAL ENGINEERS (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 5.30 p.m.—Dr. J. M. Coulson: "The Flow of Fluids through Granular Beds—Effect of Particle Shape and Voids in Streamline Flow".

SOCIETY OF CHEMICAL INDUSTRY, PLASTICS AND POLYMER GROUP (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 6.30 p.m.—Dr. A. G. Evans: "Polymerization by Friedel-Crafts Catalysts". (Members of the Faraday Society are invited.)

INSTITUTION OF WORKS MANAGERS, LEICESTER BRANCH (at the College of Technology, The Newark, Leicester), at 7 p.m.—Mr. R. F. Wilson: "Colour and Lighting in Industry with special reference to Factories and Offices".

INSTITUTION OF THE RUBBER INDUSTRY (at the Royal Society of Tropical Medicine and Hygiene, 26 Portland Place, London, W.1), at 7 p.m.—Mr. S. C. Stokes: "Latex Moulding by Plaster Casting"; Dr. C. F. Flint: "Latex Moulding by the Slush Process".

ROYAL INSTITUTE OF CHEMISTRY, LONDON AND SOUTH-EASTERN COUNTIES SECTION (at Philips Electrical, Ltd., New Road, Mitcham Junction), at 7.15 p.m.—Dr. H. A. Klasons: "Chemistry of Bioluminescence and its Importance in Animal Behaviour".

INSTITUTION OF THE RUBBER INDUSTRY, SCOTTISH SECTION (at the Institution of Engineers and Shipbuilders, 39 Elmbank Crescent, Glasgow), at 7.30 p.m.—Mr. H. C. Harrison: "Rubber in the Manufacture of Cables".

SOCIETY OF INSTRUMENT TECHNOLOGY, NORTH-WEST SECTION (in the Reynolds Hall, College of Technology, Manchester), at 7.30 p.m.—Dr. G. Jessop: "Gas Analysis by Katharometer".

SOCIETY FOR VISITING SCIENTISTS (at 5 Old Burlington Street, London, W.1), at 7.30 p.m.—Discussion on "The Scientific Approach to Human Problems in Industry" (Speakers: Sir George Schuster, K.C.M.G., Mr. W. B. D. Brown and Dr. R. S. Tredgold).

## Wednesday, December 14

PHYSICAL SOCIETY (at the Science Museum, Exhibition Road, London, S.W.7), at 5 p.m.—Dr. Ernest Marsden, F.R.S.: Fourth Rutherford Memorial Lecture.

INSTITUTION OF ELECTRICAL ENGINEERS, SUPPLY SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Dr. J. S. Forrest: "The Performance of the British Grid System in Thunderstorms".

ROYAL MICROSCOPICAL SOCIETY (in the Hastings Hall, B.M.A. House, Tavistock Square, London, W.C.1), at 5.30 p.m.—Mr. E. Wilfred Taylor: "The Phase-Contrast Microscope"; Dr. A. F. W. Hughes: "Mitosis in the Cells of the Mouse in Tissue Culture".

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY, SOCIAL PHILOSOPHY SECTION (at the Portico Library, Mosley Street, Manchester), at 5.30 p.m.—Mr. A. J. P. Taylor: "Communism in the Second World War".

INSTITUTE OF PETROLEUM (at Manson House, 26 Portland Place, London, W.1), at 5.30 p.m.—Mr. W. J. Mulders: "Oil in the Netherlands and Emsland".\*

SOCIETY OF CHEMICAL INDUSTRY, NUTRITION PANEL of the FOOD GROUP (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 6.15 p.m.—Discussion on "The Nation's Manufactured Foods, 3, Soups as Foods" (Speakers: Mr. Henry Sarson, Mr. J. G. Huntley and Miss B. R. Stanton).

IRISH CHEMICAL ASSOCIATION (in the Department of Chemistry, Trinity College, Dublin), at 7.45 p.m.—Mr. T. F. O'Reilly: "Some Aspects of Water Chlorination".

## Thursday, December 15

BRITISH PSYCHOLOGICAL SOCIETY, INDUSTRIAL SECTION (in Room 105, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 1 p.m.—Dr. H. G. Maule: "Studies in the Laundry Industry; a Re-examination".

CHEMICAL SOCIETY, LIVERPOOL SECTION (in the Lecture Theatre, Chemistry Department, The University, Liverpool), at 4.30 p.m.—Dr. W. Charles Evans: "The Biological Oxidation of certain Aromatic Compounds with Special Reference to the Bacterial Cleavage of the Benzene Ring".

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Prof. E. N. da C. Andrade, F.R.S.: "Robert Hooke" (The Wilkins Lecture).

INSTITUTION OF MINING AND METALLURGY (at the Geological Society of London, Burlington House, Piccadilly, London, W.1), at 5 p.m.—Mr. F. G. Hill: "Management in Industry".

LONDON MATHEMATICAL SOCIETY (at the Royal Astronomical Society, Burlington House, Piccadilly, London, W.1), at 5 p.m.—Dr. J. L. B. Cooper: "Operator Theory and Quantum Mechanics".

PHYSICAL SOCIETY, ACOUSTICS GROUP (in the Small Physics Lecture Theatre, Imperial College of Science and Technology, Imperial Institute Road, London, S.W.7), at 5 p.m.—Discussion on "Dead Rooms" (to be opened by Mr. G. P. Horton).

ELECTRICAL ASSOCIATION FOR WOMEN (at the Institution of Electrical Engineers, Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Miss Elizabeth Gwillim: "Electrification and Reconstruction in Holland" (Fourth Caroline Haslett Trust Lecture).

INSTITUTE OF NAVIGATION (joint meeting with the ROYAL AERONAUTICAL SOCIETY, at the Institution of Civil Engineers, Great George Street, London, S.W.1), at 6 p.m.—Dr. D. E. Adams and Dr. A. N. Uttley: "Navigational Systems and Instrument Aids".

BRITISH INSTITUTION OF RADIO ENGINEERS (at the London School of Hygiene and Tropical Medicine, Gower Street, London, W.C.1), at 6.30 p.m.—Mr. A. L. Whitwell: "Electronics in Aircraft Design".

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 7.15 p.m.—Scientific Papers.

## Thursday, December 15—Friday, December 16

BRITISH INSTITUTION OF RADIOLOGY (joint meetings with the ROYAL SOCIETY OF MEDICINE, at 32 Welbeck Street, London, W.1, on Thursday, and at 1 Wimpole Street, London, W.1, on Friday), at 8.15 p.m. each day—"Physical Properties and Performance of Fluorescent Materials and Amplification of the Intensity of the Fluorescent Image".

## Friday, December 16

BIOCHEMICAL SOCIETY (in the Department of Biochemistry and Chemistry, Guy's Hospital Medical School, London, S.E.1), at 2 p.m.—Scientific Papers.

INSTITUTE OF NAVIGATION (at the Royal Geographical Society, 1 Kensington Gore, London, S.W.7), at 5 p.m.—Lieut.-Comdr. P. G. Satow: "Radar Charts".

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 5.30 p.m.—Prof. R. J. Sarjant: "Furnace Design and Practice".

MANCHESTER STATISTICAL SOCIETY, INDUSTRIAL METHODS STUDY GROUP (at the Albert Hall, Peter Street, Manchester), at 5.30 p.m.—Mr. C. F. Carter: "Problems of Measuring the Real National Product".

INSTITUTION OF ELECTRONICS, NORTH-WESTERN BRANCH (in the Reynolds Hall, College of Technology, Manchester), at 6.30 p.m.—Mr. F. F. Heyman: "The Betatron".

ROYAL METEOROLOGICAL SOCIETY, SCOTTISH CENTRE (at the University, Edinburgh), at 7.30 p.m.—Mr. F. P. Henderson: "Greenland Expeditions".

## Saturday, December 17

INSTITUTE OF PHYSICS, SOUTH WALES BRANCH (at University College, Swansea), at 2 p.m.—Dr. F. Hoyle: "The Expanding Universe".

## APPOINTMENTS VACANT

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

LECTURER IN ELECTRICAL ENGINEERING in the Ministry of Supply School of Electronics in the South Midlands—The Establishment Office, Ministry of Supply, Est. 3(B)1, The Adelphi, Strand, London, W.C.2 (December 17).

ASSISTANT IN THE PLANT PATHOLOGY SECTION in research on fungus and bacterial diseases of fruit and hops—The Secretary, East Malling Research Station, Maidstone, Kent (December 17).

ASSISTANT CHEMISTS at Ironbridge and Walsall Generating Stations—The Divisional Establishments Officer, British Electricity Authority, Midlands Division, 53 Wake Green Road, Moseley, Birmingham (December 17).

ASSISTANT ANALYTICAL CHEMIST—The County Clerk, County Buildings, Dumfries (December 17).

DEPUTY COAL SURVEY OFFICER at the Coal Survey Laboratory, Sheffield—The National Coal Board, Establishments (General) Branch, Hobart House, Grosvenor Place, London, S.W.1, endorsed TT/167 (December 20).

SENIOR SCIENTIFIC OFFICER (Engineer) to carry out research in structural engineering particularly in connexion with steel or reinforced concrete framework, a SENIOR SCIENTIFIC OFFICER (Physicist) with a particular interest in problems in the field of heat transmission in solids, liquids or gases, an EXPERIMENTAL OFFICER (Physical Chemist) preferably with some experience in the manufacture of building materials, in particular floor surfacing materials, an EXPERIMENTAL OFFICER (Chemist) preferably with some degree of specialization in physical chemistry and with experience in the field of tars and bitumens, and an EXPERIMENTAL OFFICER (Chemist) to assist in the preparation of technical information about the use of building materials in the Colonies, etc., at the Building Research Station of the Department of Scientific and Industrial Research—The Secretary, Civil Service Commission, 7th Floor, Trinidad House, Old Burlington Street, London, W.1, quoting No. 2874 (December 21).

PRINCIPAL SCIENTIFIC OFFICER (Physicist) with a First or Second Class honours degree, at the Joint Fire Research Organization of the Department of Scientific and Industrial Research, Boreham Wood, Herts, to conduct and supervise fundamental research into the problems of heat transmission which influence the initiation, development and the effects of fire—The Secretary, Civil Service Commission, Scientific Branch, 7th Floor, Trinidad House, Old Burlington Street, London, W.1, quoting No. 2876 (December 22).