

## FORTHCOMING EVENTS

*(Meetings marked with an asterisk are open to the public)*

## Monday, December 9

BRITISH SOCIETY FOR THE PHILOSOPHY OF SCIENCE (in the Joint Staff Common Room, University College, Gower Street, London, W.C.1), at 5.30 p.m.—Dr. I. Hacking: "On the Foundations of Statistics".

INSTITUTION OF ELECTRICAL ENGINEERS, ELECTRONICS DIVISION (at Savoy Place, London, W.C.2), at 5.30 p.m.—Discussion on "Measurements at Very Low Frequencies with particular reference to Noise" opened by Dr. J. L. Douce, Mr. H. Sutcliffe and Prof. J. C. West.

INSTITUTION OF ELECTRICAL ENGINEERS, SCIENCE AND GENERAL DIVISION (at Savoy Place, London, W.C.2), at 5.30 p.m.—Dr. F. Fallside and Mr. M. R. Patel: "Effect of a Back E.M.F. Non-linearity on Responses of a Second-order Position Control System"; Dr. F. Fallside and Dr. J. O. C. Ezello: "Application of the Second Method of Lyapunov to the Stability of Certain Position Control Systems containing a Back-E.M.F. Non-linearity".

ROYAL GEOGRAPHICAL SOCIETY (at 1 Kensington Gore, London, S.W.7), at 6 p.m.—"The Pitcairn People" (colour films).

## Tuesday, December 10

ZOOLOGICAL SOCIETY OF LONDON (at the Zoological Gardens, Regent's Park, London, N.W.1), at 5 p.m.—Scientific Papers.

ROYAL SOCIETY OF ARTS, COMMONWEALTH SECTION (at John Adam Street, Adelphi, London, W.C.2), at 5.15 p.m.—Dr. T. W. Tinsley: "The Ecological Approach to Pest and Disease Problems of Cacao in West Africa" (Inaugural John Curtis Lecture).

INSTITUTION OF CIVIL ENGINEERS (at Great George Street, Westminster, London, S.W.1), at 5.30 p.m.—Mr. H. R. Boyce: "Swansea Docks—Entrance Works".

INSTITUTION OF ELECTRICAL ENGINEERS, SCIENCE AND GENERAL DIVISION (at Savoy Place, London, W.C.2), at 5.30 p.m.—Discussion on "Materials for Hall Effect Devices" opened by Mr. R. P. Chasmar.

INSTITUTION OF THE RUBBER INDUSTRY, LONDON SECTION (at the Royal Society of Tropical Medicine and Hygiene, 26 Portland Place, London, W.1), at 5.30 p.m.—Mr. M. S. Evans: "Mould Design". 7 p.m.—Panel Discussion on "Accelerators".

ROYAL SOCIETY OF MEDICINE, LIBRARY (Scientific Research) SECTION (at 1 Wimpole Street, London, W.1), at 5.30 p.m.—Dr. Gordon Wolstenholme: "Ethiopia in a Modern Africa".

UNIVERSITY OF LONDON (at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1), at 5.30 p.m.—Prof. J. N. Davidson: "Recent Developments Among the Nucleic Acids". (Sixteenth of eighteen lectures on "The Scientific Basis of Medicine" organized by the British Postgraduate Medical Federation).\*

INSTITUTION OF CHEMICAL ENGINEERS, SOUTH-EASTERN BRANCH (joint meeting with the CHEMICAL ENGINEERING GROUP OF THE SOCIETY OF CHEMICAL INDUSTRY, at 14 Belgrave Square, London, S.W.1), at 6 p.m.—Mr. T. W. G. Rowe: "High Vacuum".

INSTITUTION OF MECHANICAL ENGINEERS, AUTOMOBILE DIVISION (at 1 Birdcage Walk, Westminster, London, S.W.1), at 6 p.m.—Mr. G. V. Cleare: "Factors Affecting the Performance of High-Speed Tracklayers".

## Wednesday, December 11

GEOLOGICAL SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 5 p.m.—Dr. E. P. Saggerson and Mr. B. H. Baker: "Post-Jurassic Erosion Surfaces in Eastern Kenya and their Deformation in Relation to Rift Structure"; Dr. R. Nicholson: "The Structure and Metamorphism of the Mantling Karagwe-Ankolean Sediments of the Ntungamo Gneiss Dome and their Time-Relation to the Development of the Dome".

ROYAL MICROSCOPICAL SOCIETY (at Tavistock House South, Tavistock Square, London, W.C.1), at 5.30 p.m.—Prof. M. Francon (Professeur à la Faculté des Sciences de Paris et à l'Institut d'Optique): "Polarizing Interference Microscopes".

INSTITUTION OF MECHANICAL ENGINEERS, HYDRAULIC PLANT AND MACHINERY GROUP (at 1 Birdcage Walk, Westminster, London, S.W.1), at 6 p.m.—Mr. J. E. Austin and Mr. J. R. Palfrey: "Product Mixing During Serial Flow in Pipelines".

ROYAL INSTITUTE OF CHEMISTRY, LONDON SECTION (at Shell Mex House, Strand, London, W.C.2), at 6 p.m.—Annual General Meeting, followed by a film show.

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 6 p.m.—Sir Ifor Evans: "Education in London" (Edmund Rich Memorial Lecture).

INSTITUTE OF INFORMATION SCIENTISTS (at the Swedenborg Society Hall, 20 Bloomsbury Way, London, W.C.1), at 6.15 p.m.—Mr. A. G. Readett: "The Organization and Administration of a Technical Translation Department".

SOCIETY OF CHEMICAL INDUSTRY, FOOD GROUP—NUTRITION PANEL (at 14 Belgrave Square, London, S.W.1), at 6.15 p.m.—Prof. Sir Alistair Hardy: "Can We Get More Food from the Sea?".

INSTITUTE OF METALS (joint meeting with the LONDON BRANCH OF THE INSTITUTE OF BRITISH FOUNDRYMEN, at the National Liberal Club, Whitehall Place, London, S.W.1), at 7 p.m.—Mr. G. Swinyard: "Quality in Copper Based Castings".

OIL AND COLOUR CHEMISTS' ASSOCIATION (at the Institution of Electrical Engineers, Savoy Place, London, W.C.2), at 7 p.m.—Prof. R. N. Haszeldine: "Inorganic Polymers—Fact or Fiction".

SOCIETY OF INSTRUMENT TECHNOLOGY, AUTOMATION SECTION (at Manson House, 26 Portland Place, London, W.1), at 7 p.m.—Prof. M. W. Thring and Mr. D. F. Nettell: "Domestic Automation".

SOCIETY OF CHEMICAL INDUSTRY, PLASTICS AND POLYMER GROUP (joint meeting with the LIVERPOOL SECTION, at the Donnan Laboratories, University of Liverpool), at 7.30 p.m.—Dr. R. N. Haward: "Additives in Thermoplastics".

## Wednesday, December 11—Thursday, December 12

INSTITUTION OF CHEMICAL ENGINEERS (at Church House, Great Smith Street, London, S.W.1), at 9.30 a.m. daily—Symposium on "Productivity in Research".

## Thursday, December 12

INSTITUTION OF ELECTRICAL ENGINEERS, ELECTRONICS DIVISION (joint meeting with the MEDICAL AND BIOLOGICAL ELECTRONICS GROUP OF THE BRITISH INSTITUTION OF RADIO ENGINEERS, in the Department of Physiology, University College, Gower Street, London, W.C.1), at 10.30 a.m. and 2.30 p.m.—Discussion on "The Brain".

INSTITUTION OF CIVIL ENGINEERS, TRAFFIC ENGINEERING GROUP (at Great George Street, Westminster, London, S.W.1), at 5.30 p.m.—Informal Discussion on "Practical Applications of Traffic Theories" introduced by Mr. J. G. Wardrop.

INSTITUTION OF ELECTRICAL ENGINEERS, POWER DIVISION (at Savoy Place, London, W.C.2), at 5.30 p.m.—Discussion on "Performance of Large A.C. Motors for Industrial Drives" opened by Mr. B. Barker, Mr. A. E. D. Reed, Mr. D. D. Stephen and Mr. A. C. G. Witts; also Mr. D. D. Stephen: "Connecting Large Machines to Power Systems".

UNIVERSITY OF LONDON (at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1), at 5.30 p.m.—Dr. P. Brookes: "Chemical Aspects of Mutation". (Seventeenth of eighteen lectures on "The Scientific Basis of Medicine" organized by the British Postgraduate Medical Federation).\*

CHEMICAL SOCIETY (at the Royal Institution, Albemarle Street, London, W.1), at 6 p.m.—Prof. J. S. Anderson, F.R.S.: "Some Contemporary Problems of Solid State Chemistry" (Liversidge Lecture).

INSTITUTION OF MECHANICAL ENGINEERS, INTERNAL COMBUSTION ENGINES GROUP (at 1 Birdcage Walk, Westminster, London, S.W.1), at 6 p.m.—Discussion on "Residual Fuels—Is Their Use Justified?".

SOCIETY FOR ANALYTICAL CHEMISTRY, BIOLOGICAL METHODS GROUP (at "The Feathers", Tudor Street, London, E.C.4), at 6.50 p.m.—Nineteenth Annual General Meeting, followed by a Discussion Meeting on "The Detection of Substances with Teratogenic Properties" opened by Mr. K. E. V. Spencer.

SOCIETY OF CHEMICAL INDUSTRY, MICROBIOLOGY GROUP (joint meeting with the BIRMINGHAM SECTION, at Haworth Building, The University, Birmingham), at 6.30 p.m.—Dr. K. Burton: "Structure and Action of Deoxyribonucleic Acid".

RADAR AND ELECTRONICS ASSOCIATION (at the Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2), at 7 p.m.—Mr. Paul Thompson: "Teaching by Electronics".

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (at Manson House, 26 Portland Place, London, W.1), at 7.30 p.m.—Mr. D. P. Choyce: "Personal Experience of Ocular Onchocerciasis in Central America, Africa and the British Isles" followed by a discussion.

## Thursday, December 12—Friday, December 13

BIOCHEMICAL SOCIETY (in the Science Lecture Theatre, The University, Leicester), at 2 p.m. on Thursday—Colloquium on "Regulation of Microbial Metabolism"; 10.10 a.m. on Friday—Original Communications.

## Saturday, December 14

LONDON COUNTY COUNCIL (at the Horniman Museum, London Road, Forest Hill, London, S.E.23), at 3.30 p.m.—Dr. P. H. Gulliver: "Village Life in East Africa".\*

## Monday, December 16

INSTITUTION OF ELECTRICAL ENGINEERS, ELECTRONICS DIVISION (at Savoy Place, London, W.C.2), at 5.30 p.m.—Mr. W. F. Gibbons: "Ceramic Sealing Techniques Applied to Electron Tubes and Semiconductor Devices".

SOCIETY OF CHEMICAL INDUSTRY, PESTICIDES GROUP (at 14 Belgrave Square, London, S.W.1), at 5.30 p.m.—Mr. A. Stevenson: "Analysis of Dithiocarbamates and Thiram Disulphides Used in Agriculture. A Collaborative Study of Macro-Methods Available for the Evaluation of Technical and Formulated Products".

INSTITUTION OF ELECTRICAL ENGINEERS, LONDON GRADUATE AND STUDENT SECTION (at Savoy Place, London, W.C.2), at 6.30 p.m.—Sir Albert Mumford, K.B.E.: "Communications and Radio".

ROYAL GEOGRAPHICAL SOCIETY (at 1 Kensington Gore, London, S.W.7), at 8.15 p.m.—Dr. L. S. B. Leakey: "Exploring Man's Prehistory in East Africa".

## Monday, December 16—Tuesday, December 17

BRITISH BIOPHYSICAL SOCIETY (at the Institution of Electrical Engineers, Savoy Place, London, W.C.2)—Symposium on "Control Mechanisms".

## Monday, December 16—Wednesday, December 18

INSTITUTE OF PHYSICS AND PHYSICAL SOCIETY, ELECTRONICS, ELECTRON MICROSCOPY AND ANALYSIS, AND LOW TEMPERATURE GROUPS (at Imperial College, London, S.W.7)—Conference on "The Electrical and Magnetic Properties of Thin Films in Relation to Their Structure".

## APPOINTMENTS VACANT

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

LECTURER IN THE HISTORY OF SCIENCE—The Registrar and Secretary, University of Durham, Old Shire Hall, Durham (December 14).

TECHNICIAN IN THE DEPARTMENT OF AGRONOMY, University of New England, for duties which will include the preparation of experimental