

## FORTHCOMING EVENTS

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

### Monday, December 6

UNIVERSITY OF LONDON (at the Postgraduate Medical School of London, Ducane Road, London, W.12), at 4 p.m.—Dr. Donald Hunter: "Hazards of Handling Toxic Substances in Industry".\*

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Discussion on "The Applications and Limitations of Electronic and Other Computers".

SOCIETY OF ENGINEERS (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 5.30 p.m.—Mr. Cedric Marsh: "Aluminium as a Bridge Material".

ROYAL INSTITUTE OF CHEMISTRY, LONDON SECTION (joint meeting with the LONDON SECTION of the SOCIETY OF CHEMICAL INDUSTRY, in the Chemistry Lecture Theatre, University College, Gower Street, London, W.C.1), at 6.30 p.m.—Mr. J. Grange Moore: "The Value of Work Study to the Chemical Industry".

### Tuesday, December 7

ROSS INSTITUTE OF TROPICAL HYGIENE, INDUSTRIAL ADVISORY COMMITTEE (in the Council Chamber of the Rubber Growers' Association, 19 Renchurch Street, E.C.3), at 2.15 p.m.—Discussion on "The Training of Laymen in Tropical Hygiene".

INSTITUTION OF CIVIL ENGINEERS (at Great George Street, Westminster, London, S.W.1), at 5.30 p.m.—Symposium on "High Buildings".

UNIVERSITY OF LONDON, BRITISH POSTGRADUATE MEDICAL FOUNDATION (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5.30 p.m.—Prof. F. Bergel: "Some Chemical Aspects of Abnormal Growth". (From a series of Lectures on "The Scientific Basis of Medicine".)\*

SOCIETY OF CHEMICAL INDUSTRY, PLASTICS AND POLYMER GROUP (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 6.30 p.m.—Prof. P. J. Flory: "The Structure and Properties of Polymers".

INSTITUTION OF MECHANICAL ENGINEERS, EDUCATION GROUP (at 1 Birdcage Walk, Westminster, London, S.W.1), at 6.45 p.m.—Discussion on "Recruitment to the Engineering Profession from the Secondary Grammar Schools".

### Wednesday, December 8

PHYSICAL SOCIETY, COLOUR GROUP (in the Physics Department, Imperial College, Imperial Institute Road, South Kensington, London, S.W.7), at 3.30 p.m.—Mr. J. D. Moreland: "An Investigation of Peripheral Colour Perception by Direct Comparison between Peripheral and Foveal Vision"; Dr. M. Gilbert: "Acuity to Coloured Letters".

BRITISH SOCIETY FOR THE HISTORY OF SCIENCE, PHILOSOPHY OF SCIENCE GROUP, NORTHERN BRANCH (in the Senate Committee Room, The University, Manchester), at 4.30 p.m.—Sir Geoffrey Jefferson, F.R.S.: "Personality Changes in Cerebral Lesions".

INSTITUTE OF PETROLEUM (at Manson House, 26 Portland Place, London, W.1), at 5.30 p.m.—Dr. C. C. Hall and Mr. A. H. Taylor: "Design and Operation of a Fluidized Pilot Plant for the Fischer-Tropsch Synthesis".\*

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.30 p.m.—Dr. Archibald Clow: "Distinguished Men of Science".

INSTITUTION OF ELECTRICAL ENGINEERS, EDUCATION DISCUSSION CIRCLE (joint meeting with the EDUCATION GROUP of the INSTITUTION OF MECHANICAL ENGINEERS and the INSTITUTE OF PHYSICS, at Savoy Place, London, W.C.2), at 6 p.m.—Discussion on "Kinetic Theory of Gases for Engineering Students".

### Thursday, December 9

PHYSICAL SOCIETY, OPTICS GROUP (at the Imperial College of Science and Technology, Prince Consort Road, London, S.W.7), at 2.30 p.m.—Dr. A. Maréchal: "Improvement of Contrast of Details in Optical Systems by Filtering Spatial Frequencies"; Dr. E. H. Linfoot: "On the Information Theory of Optical Images".

INSTITUTION OF BRITISH AGRICULTURAL ENGINEERS (at the Smithfield Show and Agricultural Machinery Exhibition, Richmond Hall, Earls Court, London), at 3 p.m.—Mr. C. Culpin: "Ventilated Silos for Grain Drying and Storage on the Farm".\*

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Dr. F. P. Bowden, F.R.S., and Mr. K. Singh: "Irradiation of Explosives with High Speed Particles and the Influence of Crystal Size on Explosion"; Miss A. I. Bailey and Mr. J. S. Courtney-Pratt: "The Area of Real Contact and the Shear Strength of Monomolecular Layers of a Boundary Lubricant".

PHYSICAL SOCIETY, LOW TEMPERATURE GROUP (in the Science Museum Lecture Theatre, Exhibition Road, London, S.W.7), at 5 p.m.—Dr. N. Kurti: "Nuclear Alignment".

INSTITUTE OF FUEL (at the Institution of Civil Engineers, Great George Street, London, S.W.1), at 5.30 p.m.—Mr. J. K. Matthews: "Note on the 'Optimum Degree' of Coal Washing".\*

SIR THOMAS MIDDLETON MEMORIAL TRUST (at the University of London, Senate House, London, W.C.1), at 5.30 p.m.—Prof. Kenneth Mather, F.R.S.: "Fundamental Science in Agricultural Research" (Second Middleton Memorial Lecture).\*

UNIVERSITY OF LONDON, BRITISH POSTGRADUATE MEDICAL FEDERATION (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5.30 p.m.—Prof. A. Hadow: "Theory and Application of the Nitrogen Mustards". (From a series of Lectures on "The Scientific Basis of Medicine".)\*

UNIVERSITY COLLEGE, LONDON (in the Chemistry Theatre, Gower Street, London, W.C.1), at 6 p.m.—Sir George Pepler: "Geddes' Contribution to Town Planning".\*

SOCIETY OF CHEMICAL INDUSTRY, MICROBIOLOGY GROUP (in the Large Hall of the Medical Society of London, 11 Chandos Street, London, W.1), at 6.15 p.m.—Meeting on "Industrial Uses of Enzymes".

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE (at Manson House, 26 Portland Place, London, W.1), at 7.30 p.m.—Prof. George Macdonald: "The Medical Implications of the Volta River Project".

### Friday, December 10

ASSOCIATION OF APPLIED BIOLOGISTS (in the Physics Department, Imperial College, Imperial Institute Road, London, S.W.7), at 10.55 a.m.—Scientific Papers.

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

INSTITUTION OF MECHANICAL ENGINEERS (at 1 Birdcage Walk, Westminster, London, S.W.1), at 5.30 p.m.—Dr. W. B. Carlson and Mr. J. D. McKean: "Cylindrical Pressure Vessels: Stress Systems in Plain Cylindrical Shells and in Plain and Pierced Drumheads".

SOCIETY FOR ANALYTICAL CHEMISTRY, BIOLOGICAL METHODS GROUP (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 6.15 p.m.—Annual General Meeting. 6.30 p.m.—Scientific Papers.

INSTITUTION OF CHEMICAL ENGINEERS, GRADUATES AND STUDENTS SECTION (at Caxton Hall, Westminster, London, S.W.1), at 6.30 p.m.—Prof. F. Morton: "The Training of the Chemical Engineer".

SOCIETY OF CHEMICAL INDUSTRY, FINE CHEMICALS GROUP (in the Chemistry Lecture Theatre, King's College, Strand, London, W.C.2), at 7 p.m.—Scientific Papers.

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 9 p.m.—Sir Charles Ellis, F.R.S.: "Coal and Smokeless Fuels".

### Saturday, December 11

BRITISH MYCOLOGICAL SOCIETY (in the rooms of the Linnean Society of London, Burlington House, Piccadilly, London, W.1), at 12 noon—Annual General Meeting. 2.30 p.m.—Dr. J. Ramsbottom: "Mycology and the Amateur" (Pearson Memorial Lecture).

LONDON COUNTY COUNCIL (at the Horniman Museum, London Road, Forest Hill, London, S.E.23), at 3.30 p.m.—Dr. David Diringer: "The Origins of the Alphabet".\*

## APPOINTMENTS VACANT

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

MASTER to teach GENERAL SCIENCE to Cambridge Overseas School Certificate level, at Markham College, Lima, Peru—The Director, Personnel Department, British Council, 65 Davies Street, London, W.1, quoting "Markham" (December 7).

SENIOR LECTURER (with a good honours degree, or equivalent, in mechanical engineering, and with some practical experience in industry and teaching) in MECHANICAL ENGINEERING—The Principal, Wigan and District Mining and Technical College, Wigan (December 7).

ASSISTANT COAL SURVEY OFFICER, Scientist Grade I or II (with a good honours degree, or equivalent, in chemistry or fuel technology, and preferably with experience in industry, laboratory control and the critical assembly of scientific data), at the Coal Survey Laboratory, Sheffield—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, quoting TT/869 (December 10).

ASSISTANT EXPERIMENTAL OFFICER (preferably graduate in chemistry or physics) required for the Soil Survey of England and Wales to work on clay mineralogy by X-ray and thermal methods—Rothamsted Experimental Station, Harpenden, Herts (December 11).

ASSISTANT LECTURER, Grade B, in the PHARMACY DEPARTMENT, to teach mainly physical and inorganic chemistry to degree standard—The Principal, Brighton Technical College, Brighton 7 (December 11).

GRASSLAND AGRONOMIST (Scientific Officer or Senior Scientific Officer grade); a GRASS BREEDER (Scientific Officer grade); a CEREAL BREEDER (Scientific Officer grade); and ASSISTANTS to a CYTOLOGIST and GRASS BREEDER (Assistant Experimental Officer grade), at the Welsh Plant Breeding Station, Aberystwyth—The Registrar, University College of Wales, Aberystwyth (December 11).

MICROANALYST (preferably with previous experience in microanalysis) in the DEPARTMENT OF ORGANIC CHEMISTRY—The Registrar, The University, Leeds (December 11).

AGRICULTURAL ECONOMIST (graduate, preferably with qualifications in economics or agriculture) in the AGRICULTURAL ECONOMICS DEPARTMENT—The Registrar, Wye College (University of London), near Ashford, Kent (December 13).

SCIENTIST, Grade III (with a good honours degree or equivalent qualification in a science subject, and preferably with a sound background in geology or chemistry), in the COAL SURVEY LABORATORY, Newcastle, for work which will include the preparation of detailed reports on the structure and physical and chemical properties of the coal seams covered by the laboratory—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, quoting TT/874 (December 17).

ASSISTANT EXPERIMENTAL OFFICER in the Department of Scientific and Industrial Research, Road Research Laboratory, Harmondsworth, Middx, for editing technical publications—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting F.728/54A (December 18).

LECTURER IN EDUCATION—The Registrar, The University, Liverpool (December 18).

METALLURGIST (with a first- or second-class honours degree) at the Ministry of Supply Royal Aircraft Establishment, Farnborough,