

FORTHCOMING EVENTS

Monday, January 4

ROYAL INSTITUTE OF CHEMISTRY (joint meeting with the SOCIETY OF CHEMICAL INDUSTRY, at 14 Belgrave Square, London, S.W.1), at 6.30 p.m.—Dr. T. H. Blakeley and Dr. A. E. S. White: "The Improvement of Refractories by Incorporation of Metals".

Tuesday, January 5

INSTITUTION OF CHEMICAL ENGINEERS (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 5.30 p.m.—Mr. J. A. R. Bennett, Mr. J. G. Collier and Mr. H. R. C. Pratt: "Heat Transfer to Two-phase Gas/Liquid Systems—Part 1"; Mr. J. G. Collier, Mr. J. D. Thornton and Mr. J. A. R. Bennett: "Pressure Drop and Hold-up in Two-phase Flow".

INSTITUTION OF ELECTRICAL ENGINEERS, MEASUREMENT, SUPPLY and UTILIZATION SECTIONS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Mr. H. J. H. Sketch, Mr. P. A. Shaw and Mr. R. J. K. Splatt: "A New Method for Observing the Phenomena of Commutation"; Prof. J. C. Prescott and Mr. A. K. El-Kharashi: "A Method of Measuring Self-Inductances Applicable to Large Electrical Machines".

BRITISH COMPUTER SOCIETY, LONDON BRANCH (at the Northampton College of Advanced Technology, St. John Street, London, E.C.1), at 6.15 p.m.—Mr. R. L. Sutton: "The First Year's Experience with a Large Computer in a Life Assurance Office".

SOCIETY OF CHEMICAL INDUSTRY, PLASTICS AND POLYMER GROUP (at 14 Belgrave Square, London, S.W.1), at 6.30 p.m.—Dr. E. C. A. Horner: "P.V.C. Degradation and Action of Stabilizers".

TEXTILE INSTITUTE (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 6.30 p.m.—Dr. C. S. Whewell: "Shrinkage of Textile Fabrics".

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (at 16 Princes Gate, London, S.W.7), at 7 p.m.—Prof. S. Tolansky, F.R.S.: "Optical Illusions".

Tuesday, January 5—Thursday, January 7

INSTITUTION OF MECHANICAL ENGINEERS (at 1 Birdcage Walk, Westminster, London, S.W.1)—Symposium on "Recent Mechanical Engineering Developments in Automatic Control".

Wednesday, January 6

INSTITUTE OF PETROLEUM (at 61 New Cavendish Street, London, W.1), at 2.30 p.m.—Dr. C. M. Cawley: "Flow Properties of Admiralty Fuel Oils".

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 2.30 p.m.—Dr. J. D. Carthy: "Animal Senses and Reactions". (Last of two Juvenile Lectures.)

GEOLOGICAL SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 5 p.m.—Mrs. D. S. Peake: "Glacial Changes in the Alyn River System and Their Significance in the Glaciology of the North Welsh Border".

ROYAL METEOROLOGICAL SOCIETY (at 49 Cromwell Road, London, S.W.7), at 5.30 p.m.—Mr. C. E. Wallington: "Mountain Waves".

BRITISH INSTITUTION OF RADIO ENGINEERS (at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1), at 6.30 p.m.—Prof. D. G. Tucker: "Some New Possibilities in Civil Underwater Echo-ranging—Current Research at the University of Birmingham".

Thursday, January 7

ROYAL AERONAUTICAL SOCIETY (at the Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2), at 3 p.m.—Dr. G. Melville Jones: "Flying and the Human Machine" (Young People's Lecture).

INSTITUTE OF REFRIGERATION (at the Institute of Marine Engineers, The Memorial Building, 76 Mark Lane, London, E.C.3), at 5.30 p.m.—Mr. H. Heckmatt: "Some Lubricating Problems of Refrigerating Machines using Refrigerant 12".

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, W.C.2), at 5.30 p.m.—Mr. H. G. Bell: "The Protection of Electrical Systems" (Second Hunter Memorial Lecture).

SOCIETY OF INSTRUMENT TECHNOLOGY (at Manson House, 26 Portland Place, London, W.1), at 7 p.m.—Mr. E. J. Sumner: "The Production and Assimilation of Meteorological Observations".

Friday, January 8

INSTITUTION OF ELECTRICAL ENGINEERS, MEDICAL ELECTRONICS DISCUSSION GROUP (at Savoy Place, London, W.C.2), at 6 p.m.—Discussion on "Electrical and Electronic Techniques in Respiratory Research", opened by Prof. R. Woolmer and Mr. D. W. Hill.

SOCIETY OF DYERS AND COLOURISTS (at the Royal Society, Burlington House, Piccadilly, London, W.1), at 6 p.m.—Mr. H. W. Seaman: "New Work on the Dyeing of Nylon with Disperse Dyes".

ANTIQUARIAN HOROLOGICAL SOCIETY (at the Science Museum, South Kensington, London, S.W.7), at 7 p.m.—Mr. Douglas Hughes: "Bells and Bellfounding".

Friday, January 8—Saturday, January 9

ASSOCIATION OF APPLIED BIOLOGISTS (joint meeting with the BRITISH MYCOLOGICAL SOCIETY, at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1), at 10.15 a.m. daily—Meeting on "The Nature and Exploitation of Crop Plant Resistance to Disease".

APPOINTMENTS VACANT

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

LECTURERS/SENIOR LECTURERS (with a first- or second-class honours degree in mathematics or engineering, or at least a second-class general honours degree including mathematics) IN MATHEMATICS at the Royal Military Academy, Sandhurst—The Ministry of Labour, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting Ref. A.568/9A (January 10).

SENIOR LECTURERS or LECTURERS (with a good honours degree and relevant teaching experience) IN MATHEMATICS AND PHYSICS at the Nigerian College of Arts, Science and Technology—The Council for Overseas Colleges, 12 Lincoln's Inn Fields, London, W.C.2 (January 11).

LECTURER/SENIOR LECTURER IN NUTRITION, to undertake teaching and research in livestock nutrition in the Department of Nutrition and Chemical Pathology, Faculty of Rural Science, University of New England, Australia—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, January 20).

BABCOCK AND WILCOX FELLOW IN NUCLEAR ENGINEERING—The Registrar, Queen Mary College (University of London), Mile End Road, London, E.1 (January 30).

PLANT BREEDER AND GENETICIST (honours graduate in science or agricultural science (or with equivalent qualifications) with two or more years of postgraduate research experience) at the Tobacco Research Institute, Commonwealth Scientific and Industrial Organization, Mareeba, North Queensland, to take charge of a programme of plant breeding and genetical investigations which has been in progress at Mareeba for three seasons—Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting Appointment No. 815/21 (January 30).

SENIOR TUTOR—DEMONSTRATOR IN PHYSICS at the University of Sydney, Australia—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, January 30).

CHAIR OF PHYSIOLOGY in the London Hospital Medical College—The Academic Registrar, University of London, Senate House, London, W.C.1 (February 1).

DIRECTOR (experienced administrator with good scientific attainments, a sound knowledge of arable farming and previous experience in agricultural experimental work)—The Secretary, Norfolk Agricultural Station, Sprowston, Norwich, Norfolk (February 1).

LECTURER (with a good university degree and experienced in the teaching of physics and/or mathematics in schools) IN EDUCATION—The Secretary and Registrar, The University, Southampton (February 1).

ASSISTANT TRIALS OFFICER (preferably with practical experience in crop production), to work at Leeds University Farm, Headley Hall, Yorks—The Secretary, National Institute of Agricultural Botany, Huntingdon Road, Cambridge.

CELL BIOLOGIST (with a degree and research experience (preferably a Ph.D.) in biology, microbiology or biochemistry), to take part in a research project on the fundamental biology of fibroblasts—Dr. J. M. Mitchison, Department of Zoology, West Mains Road, Edinburgh 9.

READER or CONSULTANT IN NUCLEAR PHYSICS—The Principal, Bradford Institute of Technology, Bradford.

RESEARCH ASSISTANT (preferably with biochemical, biophysical or physiology training), to join a team engaged in research on the problem of intervertebral disk, herniation and degeneration—The Secretary, Royal Infirmary, Bradford.

SENIOR RESEARCH ASSISTANT (postdoctorate physicist), to undertake research using rockets and satellites; a SENIOR RESEARCH ASSISTANT (post-M.Sc. or Ph.D. mathematician or physicist), to undertake research and to set up and supervise arrangements for data handling (including the use of automatic computers); JUNIOR ASSISTANTS (female, with advanced level mathematics, G.C.E.); an ELECTRONIC TECHNICIAN (with initiative, and able to undertake accurate assembly of rocket and satellite electronic systems, and to take part in experiment and testing); and a DRAUGHTSMAN (with initiative and ability for detail, and willing to take part in practical development work) IN THE SPACE RESEARCH GROUP in the Physics Department—The Secretary, University College, Gower Street, London, W.C.1, marking envelope "For the attention of Dr. R. L. F. Boyd".

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

British Electrical and Allied Industries Research Association. Technical Report G/XT161: Circuit Interruption in Vacuum. By M. P. Reece. Pp. 9+5 figures. 7s. 6d. net. Technical Report L/T357: The Impulse Breakdown of Uniform-Field Gaps in Air (Interim Report.) By R. Galloway. Pp. i+10+21 figures. 12s. 6d. (Leatherhead: British Electrical and Allied Industries Research Association, 1957 and 1958.) [411]

Contemporary Physics, Vol. 1. No. 1 (October 1959). Edited by G. R. Noakes. (A Journal of Interpretation and Review.) Pp. 80. Subscription price per volume (6 parts). 27s. 4 dollars, post free, payable in advance. Price per part, 5s., 75 cents, plus postage. (London: Taylor and Francis, Ltd., 1959.) [411]

Ministry of Education. A Career in Education for University Graduates. Revised edition. Pp. 15. (London: Ministry of Education, 1959.) [1011]

Building Research Station Digest, No. 126 (September 1959): Mortars for Jointing. Pp. 6. (London: H.M. Stationery Office, 1959.) 4d. [1011]