

## FORTHCOMING EVENTS

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

## Monday, March 19

INSTITUTION OF ELECTRICAL ENGINEERS, RADIO SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Dr. A. C. B. Lovell: "Radio Astronomy".

INSTITUTE OF PHYSICS, INDUSTRIAL SPECTROSCOPY GROUP (at 47 Belgrave Square, London, S.W.1), at 5.30 p.m.—Dr. H. Kaiser: "Investigations on the Spectral Character of Spark Sources" and "Outline of a Theory of Spectrochemical Evaluation".

INSTITUTION OF THE RUBBER INDUSTRY, MANCHESTER SECTION (at the Engineers' Club, Albert Square, Manchester), at 6.15 p.m.—Dr. D. S. Gordon Darnton: "A Method of Estimating Brownian Activity in Latex and Latex Dispersions".

ROYAL GEOGRAPHICAL SOCIETY (at 1 Kensington Gore, London, S.W.7), at 8.15 p.m.—Mr. H. W. Tilman: "Explorations in the Nepal Himalaya".

## Monday, March 19—Wednesday, March 21

OIL AND COLOUR CHEMISTS' ASSOCIATION, LONDON SECTION (at the Borough Polytechnic, Borough Road, London, S.E.1), at 2.30–8.30 each day.—Technical Trade Exhibition of Raw Materials and Equipment used in the Paint, Varnish and Printing-Ink Industries.

## Tuesday, March 20

SOCIETY OF CHEMICAL INDUSTRY, AGRICULTURE GROUP (in the Chemistry Lecture Theatre, Royal College of Science, South Kensington, London, S.W.7), at 2.30 p.m.—Dr. F. N. Woodward: "Agricultural By-Products and their Industrial Utilization".

ROYAL ANTHROPOLOGICAL INSTITUTE (in the Physiology Theatre, University College, Gower Street, London, W.C.1), at 5.30 p.m.—Mr. P. G. H. Strehlow: "Central Australian Sacred Totemic Ceremonies" (Colour Films).

MANCHESTER GEOGRAPHICAL SOCIETY (at the Geographical Hall, 16 St. Mary's Parsonage, Manchester), at 6.30 p.m.—Dr. G. D. Nicholls: "Arctic Volcanoes—The Island of Jan Mayen".

SOCIETY OF CHEMICAL INDUSTRY, PLASTICS AND POLYMER GROUP (at the Royal Society of Tropical Medicine and Hygiene, Manson House, 26 Portland Place, London, W.1), at 6.30 p.m.—Dr. P. A. Small: "Some Factors affecting the Solubility of Polymers".

INSTITUTION OF WORKS MANAGERS, LIVERPOOL BRANCH (at the British Thomson-Houston Co., Ltd., Rugby), at 7 p.m.—Prof. T. U. Mathew: "Management Research with particular reference to Work Study and Job Evaluation".

INSTITUTION OF WORKS MANAGERS, PRESTON GROUP (at the Building Trades Employers Association, Starkie House, Starkie Street, Preston), at 7 p.m.—Mr. A. P. Young: "Industrial Management and its Human and Social Implications".

TEXTILE INSTITUTE, MACCLESFIELD, LEEK AND DISTRICT SECTION (at the Memorial Hall, Macclesfield), at 7.45 p.m.—Mr. F. C. Harwood: "Laundering and the Manufacturer".

## Tuesday, March 20—Wednesday, March 21

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1).—Anniversary Meetings.

## Tuesday, March 20

At 4 p.m.—Prof. E. K. Rideal, F.R.S.: "Concepts in Catalysis—the Contributions of Paul Sabatier and Max Bodenstein" (Presidential Address).

## Wednesday, March 21

At 11.30 a.m.—One Hundred and Tenth Annual General Meeting.

## Wednesday, March 21

INSTITUTE OF FUEL (at the Technical College, Lincoln), at 10 a.m. and 2.30 p.m.—Papers on "Drying in Agriculture".

PHYSICAL SOCIETY, COLOUR GROUP (at the Royal Photographic Society, 16 Prince's Gate, London, S.W.7), at 3.15 p.m.—Annual General Meeting; at 3.30 p.m.—Dr. W. S. Stiles: "The Bearing on Colour Theory of some Recent Studies of Visual Sensitivity".

ROYAL METEOROLOGICAL SOCIETY (at 49 Cromwell Road, London, S.W.7), at 5 p.m.—Prof. E. Palmén: "The Role of Atmospheric Disturbances in the General Atmospheric Circulation" (Symons Memorial Lecture).

ROYAL STATISTICAL SOCIETY, RESEARCH SECTION (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5.15 p.m.—Mr. D. G. Kendall: "Some Problems in the Theory of Queues".

INSTITUTION OF ELECTRICAL ENGINEERS, SUPPLY SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. R. L. Chantrill: "Variable-Voltage Generation applied to A.C. Power Systems".

ROYAL STATISTICAL SOCIETY, BIRMINGHAM GROUP OF THE INDUSTRIAL APPLICATIONS SECTION (at the Chamber of Commerce, 95 New Street, Birmingham), at 6.30 p.m.—Mr. S. Brand: "The Use of Punched Card Equipment for Statistical Analysis".

INSTITUTE OF PETROLEUM, STANLOW BRANCH (at the Grosvenor Hotel, Chester), at 7.15 p.m.—Prof. F. Morton: "Origin and Migration of Petroleum".\*

## Thursday, March 22

INSTITUTE OF METALS, BIRMINGHAM SECTION (at the James Watt Memorial Institute, Great Charles Street, Birmingham), at 6.30 p.m.—Mr. C. J. Moss: "Adhesives for Metals".

BRITISH INSTITUTION OF RADIO ENGINEERS, SCOTTISH SECTION (at the Institution of Engineers and Shipbuilders, 39 Elmbank Crescent, Glasgow), at 7 p.m.—Mr. H. W. Gale: "Magnetic Amplifiers".

## APPOINTMENTS VACANT

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

ENGINEERS and PHYSICISTS (Principal Scientific Officer grade) at a Ministry of Supply design establishment near London: (Ref. C.134/51A) with a first- or second-class honours degree, or equivalent, in engineering or physics, to take charge of a section dealing with development of new projectiles; (Ref. C.135/51A) with a first- or second-class honours degree in mechanical engineering, with good mathematical ability, to take charge of a section dealing with the stressing of complex structures—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting the appropriate Ref. No. (March 24).

HEAD OF THE ENGINEERING DEPARTMENT of the projected Gold Coast College of Arts, Science and Technology—The Secretary, Advisory Committee on Colonial Colleges of Arts, Science and Technology, 15 Victoria Street, London, S.W.1 (March 24).

LECTURER IN MATHEMATICS—The Registrar, College of Technology, Suffolk Street, Birmingham 1 (March 24).

BIOCHEMIST in the Department of Soil Microbiology, to undertake research in legume symbiosis—The Secretary, Rothamsted Experimental Station, Harpenden, Herts (March 25).

LECTURER IN THE DEPARTMENT OF ELECTRICAL ENGINEERING—The Clerk to the Governors, Woolwich Polytechnic, Woolwich, London, S.E.18 (March 28).

ASSISTANT LECTURERS IN ZOOLOGY, CHEMISTRY AND PHYSICS, at Makerere College (University College of East Africa)—The Secretary, Inter-University Council for Higher Education in the Colonies, 1 Gordon Square, London, W.C.1 (March 31).

ASSISTANT PHYSICIST in the Physics Department of the Sheffield National Centre for Radiotherapy—The Secretary, Sheffield Regional Hospital Board, Broom Cross, Tree Root Walk, Sheffield 10 (March 31).

BIOCHEMISTS or CHEMISTS (with good honours degree or its equivalent) interested in biological problems, a SENIOR SCIENTIFIC OFFICER for research on problems of milk composition, and a SCIENTIFIC OFFICER to assist with osmotic studies of milk and blood and with enzyme and protein work—The Secretary, National Institute for Research in Dairying, Shinfield, Reading, Berks (March 31).

LECTURER (with a first- or second-class honours degree in mechanical engineering) IN THE DEPARTMENT OF APPLIED MECHANICS—The Director of Studies, Royal Naval College, Greenwich, London, S.E.10 (March 31).

LECTURER IN STATISTICS in the Department of Mathematics—The Registrar, King's College, Newcastle-upon-Tyne (March 31).

LECTURER or a SENIOR LECTURER IN AGRICULTURAL ZOOLOGY—The Registrar, The University, Leeds 2 (March 31).

AREA SCIENTIST (with a good honours degree and sound experience in fuel technology and coal analysis) in Cinnock and Tamworth—The Divisional Establishment Officer, National Coal Board, West Midlands Division, Himley Hall, Dudley, Worcs.

ASSISTANT EXPERIMENTAL OFFICERS (2) IN THE CHEMISTRY DEPARTMENT, mainly for work on the composition of milk and feeding-stuffs—The Secretary, National Institute for Research in Dairying, Shinfield, Reading, Berks.

BIOCHEMIST or CHEMIST for research on fundamental problems related to the nervous system, and a RESEARCH ASSISTANT (preferably graduate, with experience in physiology or histology) to assist in physiological research—The Secretary, Whitechurch Hospital, Cardiff.

CHIEF MECHANICAL AND ELECTRICAL ENGINEER by the Directorate General of Municipalities, Iraq—The Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M.24754B.

CIVIL ENGINEER IN THE PUBLIC WORKS DEPARTMENT, Nigeria, for work on water supplies—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27322/76.

EXECUTIVE ENGINEER IN THE PUBLIC WORKS DEPARTMENT, Tanganyika—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27322/1.

IRRIGATION ENGINEER IN THE AGRICULTURAL DEPARTMENT, Nyasaland—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27322/81.

LECTURER (with industrial and/or teaching experience) to specialize in Fuel Chemistry and Technology—The Secretary, Royal Technical College, Glasgow.

LECTURER (with a university degree in science) IN THE DEPARTMENT OF CHEMISTRY—The Principal, Borough Polytechnic, Borough Road, London, S.E.1.

LECTURER (university graduate with an honours degree in engineering or physics) IN REFRIGERATION, and a LECTURER (with a degree in mechanical engineering and some practical experience of fan application) IN FAN ENGINEERING—The Clerk to the Governors, National College for Heating, ventilation, Refrigeration and Fan Engineering, Borough Polytechnic, Borough Road, London, S.E.1.

MECHANICAL ENGINEER or PHYSICIST (honours degree in physics or mechanical engineering essential) for practical and theoretical research on forging—The Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1, quoting "Forging".

MECHANICAL ENGINEERS (4) in the Public Works Department, Kenya—The Director of Recruitment, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27325/10.

METALLURGIST (graduate) for research on physical metallurgy of tin-containing alloys—The Director, Tin Research Institute, Fraser Road, Perivale, Greenford, Middx.

POSTGRADUATE SCHOLARSHIPS IN TEXTILE TECHNOLOGY, TEXTILE ENGINEERING, TEXTILE CHEMISTRY or DYING—The Secretary, British Rayon Research Association, Barton Dock Road, Urmoston, Manchester.

RESEARCH CHEMIST (with university degree, or equivalent)—The Director, British Paper and Board Industry Research Association, Welcomes Road, Kenley, Surrey.

WATER ENGINEER, Antigua, Leeward Islands—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27329/26.