

MANCHESTER METALLURGICAL SOCIETY (at the Engineers' Club Albert Square, Manchester), at 6.30 p.m.—Mr. E. Jones: "Electrical Strain Gauges".

ROYAL STATISTICAL SOCIETY, BIRMINGHAM GROUP OF THE INDUSTRIAL APPLICATIONS SECTION (in the Chamber of Commerce, 95 New Street, Birmingham), at 6.30 p.m.—Mr. L. T. Wilkins: "Methods of Forecasting and Preventing Accidents".

INSTITUTE OF WELDING, MANCHESTER AND DISTRICT BRANCH (in the Reynolds Hall, College of Technology, Manchester), at 7 p.m.—Mr. H. E. Lardge: "Welding in the Development of Jet Propulsion Engines".

SOCIETY OF INSTRUMENT TECHNOLOGY (joint meeting with the SOCIETY OF GLASS TECHNOLOGY, in the Lecture Theatre, Science Museum, South Kensington, London, S.W.7), at 7 p.m.—Discussion on "The Instrumentation of Glass Tank Furnaces" (to be opened by Mr. H. L. Crooks and Mr. C. H. Stone).

#### Thursday, November 6

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Special General Meeting to consider a proposal by Council for the alteration of Statute 23; Dr. H. R. Ricardo, F.R.S.: "Some Problems in connexion with the Development of a High-speed Diesel Engine" (Bakerian Lecture).

MINERALOGICAL SOCIETY (at the Geological Society, Burlington House, Piccadilly, London, W.1), at 5 p.m.—Scientific Paper.

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. C. N. Cock: "Electric Traction on the Southern Railway".

CHEMICAL SOCIETY (in the Chemistry Lecture Theatre, University College, Nottingham), at 6 p.m.—Prof. F. S. Spring: "Some Contributions of the Organic Chemist to Biological Science".

ILLUMINATING ENGINEERING SOCIETY, MANCHESTER CENTRE (joint meeting with the NORTH-WESTERN BRANCH OF THE INSTITUTION OF ELECTRONICS, in the Reynolds Hall, College of Technology, Manchester), at 6.30 p.m.—Dr. J. N. Aldington: "The Evolution of an Electric Lamp".

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 7.30 p.m.—Scientific Papers.

ROYAL INSTITUTE OF CHEMISTRY, LONDON AND SOUTH-EASTERN COUNTIES SECTION (at the South-West Essex Technical College, Forest Road, Walthamstow, London, E.17), at 7.30 p.m.—Scientific Film Display.

CHEMICAL SOCIETY (in the Chemical Department, The University, Woodland Road, Bristol).—Prof. R. D. Haworth, F.R.S.: "The Oxidation of Phenols".

#### Friday, November 7

ASSOCIATION OF APPLIED BIOLOGISTS (in the Botany Lecture Theatre, Imperial College of Science, South Kensington, London, S.W.7), at 2.15 p.m.—Dr. A. C. Evans: "The Biology of Earthworms and their Effects on the Soil".\*

BEDSON CLUB (in the Chemistry Lecture Theatre, King's College, Newcastle-upon-Tyne), at 5.30 p.m.—Prof. H. Bassett: "Pages from the Chemistry of Aluminium" (Sixty-seventh Bedson Lecture).

INSTITUTION OF ELECTRICAL ENGINEERS, MEASUREMENTS SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Discussion on "Telephone Cable Measurements" (to be opened by Mr. S. Hanford).

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 5.30 p.m.—Discussion on "The Measurement of the Temperature of Sliding Surfaces, with particular reference to Railway Brake Blocks" (to be opened by Dr. R. C. Parker and Dr. P. R. Marshall).

ROYAL STATISTICAL SOCIETY, LONDON GROUP OF THE INDUSTRIAL APPLICATIONS SECTION (joint meeting with the INSTITUTION OF ENGINEERING INSPECTION, at the E.L.M.A. Lighting Service Bureau, 2 Savoy Hill, London, W.C.2), at 6 p.m.—Mr. D. Newman: "Acceptance Inspection with special reference to Sequential Methods".

GEOLOGISTS' ASSOCIATION (at the Geological Museum, Exhibition Road, London, S.W.7), at 6.30 p.m.—Annual Re-Union.

OIL AND COLOUR CHEMISTS' ASSOCIATION, MANCHESTER SECTION (at the Engineers' Club, Albert Square, Manchester), at 6.30 p.m.—Discussion on "Surface Activity".

SOCIETY OF CHEMICAL INDUSTRY, MANCHESTER SECTION (at the Engineers' Club, Albert Square, Manchester), at 6.30 p.m.—Prof. E. C. Dodds, F.R.S.: "Academic Research and the Chemical Industry".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 9 p.m.—Prof. E. K. Rideal, F.R.S.: "Foam".

CHEMICAL SOCIETY (joint meeting with CAMBRIDGE UNIVERSITY, in the Univerity Chemical Laboratory, Cambridge).—Prof. C. N. Hinshelwood, F.R.S.: "A Problem in Chemical Kinetics".

#### Saturday, November 8

PHYSICAL SOCIETY (in the Physics Department, University College, Nottingham), at 10 a.m.—Scientific Papers.

INSTITUTION OF CHEMICAL ENGINEERS, NORTH-WESTERN BRANCH (in the Reynolds Hall, College of Technology, Manchester), at 3 p.m.—Mr. A. L. Curtis: "Modern Tar Distillation Plant".

## APPOINTMENTS VACANT

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

LABORATORY STEWARD to take charge of the maintenance of the teaching and research laboratories of the Chemistry Department—The Bursar, The University, Sheffield (November 8).

LECTURER IN CHEMISTRY (Ref. F.886/47A), and a LECTURER IN PHYSICS (Ref. A.391/47A), at the Royal Aircraft Establishment Technical College, Farnborough—The Ministry of Labour and National Service, Technical and Scientific Register, Room 669, York House, Kingsway, London, W.C.2, quoting the appropriate Ref. No. (November 8).

PRINCIPAL OF THE LUTON TECHNICAL COLLEGE—The Director of Education, Shire Hall, Bedford (November 8).

LECTURER IN MECHANICAL ENGINEERING—The Principal, Brighton Technical College, Brighton 7 (November 8).

TEACHER IN BIOLOGY at Canterbury Technical College and County Technical School for Boys—The Education Officer, 78 London Road, Canterbury (November 8).

SCHOOL PSYCHOLOGIST—The Director of Education, Education Department, Pontmorlais, Merthyr Tydfil (November 8).

LECTURER IN MATHEMATICS, and a LECTURER IN CHEMISTRY, at the North Gloucestershire Technical College—The Clerk to the Governors, The Lyplatts, Lansdown Road, Cheltenham (November 8).

SENIOR RESEARCH OFFICERS (2) with the Social Survey Division of the Central Office of Information—The Ministry of Labour and National Service, Appointments Department, Technical and Scientific Register, Room 669, York House, Kingsway, London, W.C.2, quoting G.471/47A (November 10).

PRINCIPAL OF THE TECHNICAL COLLEGE to be established in Chippenham—The Director of Education, County Hall, Trowbridge, Wilts, endorsed 'Chippenham Technical College' (November 10).

AGRICULTURAL ECONOMIST, and ASSISTANT AGRICULTURAL ECONOMISTS (2, Grade B), to work under the direction of the Provincial Agricultural Economist at Newton Abbot—The Registrar, The University, Bristol 8 (November 10).

RESEARCH CHEMIST for work on soils, with headquarters at Auchincruive—The Secretary, West of Scotland Agricultural College, Blythswood Square, Glasgow C.2 (November 14).

ASSISTANT LECTURERS IN THE DEPARTMENT OF PHYSIOLOGY (one will be mainly concerned with HISTOLOGY)—The Registrar, The University, Liverpool (November 15).

RESEARCH FELLOW to work in the field of intermetallic friction under conditions of plastic deformation in metal-working processes—The Professor of Industrial Metallurgy, The University, Edgbaston, Birmingham 15 (November 15).

RESEARCH OFFICERS (2) IN THE DIVISION OF ELECTROTECHNOLOGY, Sydney—The Secretary, Australian Scientific Research Liaison Office, Australia House, Strand, London, W.C.2, quoting No. 1402 (November 22).

PRINCIPAL SCIENTIFIC OFFICER or ENGINEER I at the National Gas Turbine Establishment under the Ministry of Supply—The Secretary, Civil Service Commission, Scientific Branch, 27 Grosvenor Square, London, W.1, quoting No. 2027 (November 28).

LECTURER or ASSISTANT LECTURER IN ZOOLOGY (preferably with special knowledge or qualifications in Vertebrate Zoology)—The Registrar, University College, Southampton (November 30).

PRINCIPAL SCIENTIFIC OFFICER in the Armament Design Department (Unguided Rocket Design Group), a PRINCIPAL SCIENTIFIC OFFICER in the Armament Design Department (Central Technical Group), and a PRINCIPAL SCIENTIFIC OFFICER or SENIOR SCIENTIFIC OFFICER in the Armament Research Department, under the Ministry of Supply—The Secretary, Civil Service Commission, Scientific Branch, 27 Grosvenor Square, London, W.1, quoting No. 2024 (December 5).

ELECTRICAL ENGINEERS FOR THE ELECTRICITY DEPARTMENT OF THE Malayan Union—The Director of Recruitment, Colonial Service, 15 Victoria Street, London, S.W.1.

SENIOR LECTURER IN AGRICULTURE, and a RESIDENT ASSISTANT LECTURER IN AGRICULTURE, at the Cumberland and Westmorland Counties' Farm School, Newton Rigg—The Director of Education, 5 Portland Square, Carlisle.

SENIOR ASSISTANT LECTURER IN THE DEPARTMENT OF MECHANICAL ENGINEERING—The Principal, Borough Polytechnic, Borough Road, London, S.E.1.

LECTURERS IN (a) CHEMISTRY to B.Sc. standard, (b) PHYSICS to General Degree standard—The Clerk, Northern Polytechnic, Holloway, London, N.7.

GRADUATE ASSISTANT MASTER FOR PHYSICS, with subsidiary Chemistry and Mathematics, at the County Technical School—The Director of Education, County Education Offices, Newtown, Montgomeryshire.

LECTURER IN ECONOMIC THEORY, and an ASSISTANT LECTURER IN PSYCHOLOGY—The Registrar, University College, Nottingham.

FISHERIES RESEARCH OFFICER (male or female) in Uganda—The Director of Recruitment, Colonial Service, 15 Victoria Street, London, S.W.1.

HISTOLOGIST, an EMBRYOLOGIST, a NEUROANATOMIST, and a PROFESSOR OF PHYSIOLOGY—The Medical Secretary, Hebrew University, Jerusalem, Palestine.

SENIOR NUTRITIONIST or DIETIST, and LABORATORY TECHNICIANS (including animal attendants)—The Director, Wellcome Laboratory of Human Nutrition, Churchill Hospital, Oxford.

TECHNICIAN to take technical charge of laboratory and the training of junior technicians—The Secretary, Bacterial Chemistry Research Unit, Lister Institute, Chelsea Bridge Road, London, S.W.1.

RESEARCH WORKER for investigation on African Trypanosomes at Field Station near St. Albans—The Director, Department of Parasitology, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1.

RESEARCH ASSISTANT with qualifications in physiology or zoology, at the Gerontological Research Unit—Dr. Korenchevsky, University Museum, Oxford.

VICE-PRINCIPAL (woman, with qualifications in Education or Psychology), and a LECTURER (part-time, man or woman) IN BIOLOGY—The Principal, City of Leicester Training College, Humberstone Drive, Leicester.

MECHANICAL ENGINEER in the Public Works Department, Tanganyika Territory—The Director of Recruitment, Colonial Service, 15 Victoria Street, London, S.W.1.

EXECUTIVE ENGINEER for the Public Works Department, Nigeria—The Director of Recruitment, Colonial Service, 15 Victoria Street, London, S.W.1.