

subject of "Use, Effort and the Powers of Life", and dealt with the problem of treating in biology the self-preserving powers of organisms; and Dr. G. A. Jones discussed "High Speed Cinematography", accompanying his lecture with demonstrations of modern devices used to synchronize flash and exposure.

At the business meeting of the Association it was announced that the Association had been invited to hold its next annual meeting at the University of Sheffield. Prof. Irvine Masson, vice-chancellor of the University of Sheffield, has consented to serve as president for this year. Prof. E. N. da C. Andrade, last year's president, was elected an honorary member according to custom, and this tribute was also paid to the work for the Association of Mr. F. Fairbrother, the retiring membership secretary. Mr. H. F. Broad (Leighton Buzzard) was elected membership secretary in succession to Mr. Fairbrother; and in succession to Mr. A. E. E. McKenzie (chairman) and Mr. E. Lucas, who retired from the Committee, the meeting elected Mr. J. Lambert (King Edward School, Birmingham) and Mr. H. Jennings (Liverpool College). Mr. E. H. Coulson was re-elected treasurer.

A. E. BELL

FORTHCOMING EVENTS

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

Monday, January 20

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY (in the Reynolds Hall, College of Technology, Manchester), at 5.30 p.m.—Prof. J. M. Meek: "Lightning and Spark Discharges".*

ROYAL ANTHROPOLOGICAL INSTITUTE (joint meeting with the ROYAL GEOGRAPHICAL SOCIETY, at Kensington Gore, London, S.W.7), at 5.30 p.m.—"The Ashanti Social Survey, 1945-46".

KING'S COLLEGE, Strand, London, W.C.2, at 6 p.m.—Prof. S. J. Davies: "Gas Turbines and their Prospects" (Lecture on behalf of the Institute of Marine Engineers).*

Tuesday, January 21

SOCIETY OF CHEMICAL INDUSTRY, AGRICULTURE GROUP (in the Physical Chemistry Lecture Theatre, Royal College of Science, South Kensington, London, S.W.7), at 2.30 p.m.—Dr. F. H. Malpress: "The Use of Hormones in Animal Husbandry".

SOCIETY OF DYERS AND COLOURISTS, LEEDS JUNIOR BRANCH (in the Colour Chemistry and Dyeing Department, The University, Leeds), at 4 p.m.—Dr. F. H. S. Curd: "The Chemotherapy of Malaria".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Dr. C. D. Darlington, F.R.S.: "The Physiology of Chromosomes". (Subsequent lectures on January 28 and February 4.)

EUGENICS SOCIETY (at the Royal Society, Burlington House, Piccadilly, London, W.1), at 5.30 p.m.—Symposium on "Relation of Intelligence to Fertility" (Speakers: Sir Alexander Carr Saunders, Sir Cyril Burt and Dr. J. H. Fraser Roberts).

INSTITUTION OF ELECTRICAL ENGINEERS, RADIO SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Discussion on "Radio versus Line for Communication Systems" (to be opened by Mr. A. H. Mumford).

SHEFFIELD METALLURGICAL ASSOCIATION (at 198 West Street, Sheffield), at 6.30 p.m.—Annual General Meeting.

SOCIETY OF DYERS AND COLOURISTS, HUDDERSFIELD SECTION (at Field's Café, Huddersfield), at 7.30 p.m.—Dr. T. Richardson and Mr. E. R. Wiltshire: "The Package Dyeing of Cotton by the Pigment Method".

INSTITUTE OF PHYSICS, SCOTISH BRANCH (at the University, Edinburgh).—Prof. P. I. Dee, F.R.S.: "Photography of Atomic Tracks".

Wednesday, January 22

INSTITUTION OF POST OFFICE ELECTRICAL ENGINEERS (at Faraday Building, 9th Floor, South Block, Knightbridge Street, London, E.C.4), at 5 p.m.—Mr. A. Hudson, Mr. E. A. Smith and Mr. F. S. Hyatt: "Auto. Exchange Maintenance".

PHYSICAL SOCIETY, LOW-TEMPERATURE GROUP (at the Science Museum, Exhibition Road, London, S.W.7), at 5 p.m.—Dr. M. Ruhemann: "The Separation of Oil Gases".

ROYAL METEOROLOGICAL SOCIETY (at 49 Cromwell Road, London, S.W.7), at 5 p.m.—Annual General Meeting; Mr. G. Manley: "The Geographer's Contribution to Meteorology".

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 5 p.m.—Sir Claude Gibb: "Gas Turbines".

INSTITUTION OF ELECTRICAL ENGINEERS (joint meeting of the TRANSMISSION AND MEASUREMENTS SECTIONS, at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Discussion on "Switch-gear Alarms and Indications" (to be opened by Mr. T. S. Andrew and Mr. T. R. Reyner).

SOCIETY OF DYERS AND COLOURISTS, MIDLANDS SECTION (at the Victoria Hotel, Nottingham), at 7 p.m.—Mr. C. S. Turner: "Short-comings of the Dyeing Industry as seen by the Launderer, Dry-cleaner and Garment Dyer".

Thursday, January 23

CHEMICAL SOCIETY, LIVERPOOL SECTION (in the Chemistry Lecture Theatre, The University, Liverpool), at 5 p.m.—Prof. H. A. Krebs: "Metabolic Cycles".

LINNEAN SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 5 p.m.—Major Gavin Maxwell: "The Basking Shark (*Cetorhinus maximus*) of the Hebrides"; Dr. Hans Grüneberg: "The Significance of Coat Colour in Mammals".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Prof. H. W. Melville, F.R.S.: "The Chemistry of High Polymers". (Subsequent lectures on January 30 and February 6.)

ROYAL STATISTICAL SOCIETY (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5.15 p.m.—Discussion on "Statistics and the Statistician in Industry" (to be opened by Mr. H. T. Weeks).

INSTITUTION OF ELECTRICAL ENGINEERS, INSTALLATIONS SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. V. J. Francis and Mr. W. R. Stevens: "The High-Pressure Mercury-Vapour Discharge and its Applications".

CHEMICAL SOCIETY, SOUTH WALES SECTION (joint meeting with the UNIVERSITY COLLEGE OF SWANSEA CHEMICAL SOCIETY, in the Chemistry Lecture Theatre, University College, Swansea), at 6 p.m.—Mr. E. J. Bowen, F.R.S.: "The Absorption of Light".

ROYAL INSTITUTE OF CHEMISTRY, MANCHESTER SECTION (at the Engineers' Club, Albert Square, Manchester), at 7 p.m.—Prof. T. P. Hilditch, F.R.S.: "Fat Shortages and Fat Substitutes".

CHEMICAL SOCIETY, SOCIETY OF CHEMICAL INDUSTRY and ROYAL INSTITUTE OF CHEMISTRY, EDINBURGH AND EAST OF SCOTLAND SECTIONS (at the North British Station Hotel, Edinburgh), at 7.30 p.m.—Mr. F. A. Scholefield: "Edmund Knecht" (Society of Chemical Industry Jubilee Memorial Lecture).

Friday, January 24

ROYAL ASTRONOMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Geophysical Discussion on "Atmospheric Oscillations" (to be opened by Prof. S. Chapman, F.R.S.).

INSTITUTION OF ELECTRICAL ENGINEERS, MEASUREMENTS SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Mr. H. Cobden Turner and Mr. G. M. Tomlin: "The Application of Electrical Technique to the Service of some other Industries".

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 5.30 p.m.—Dr. F. T. Barwell and Mr. J. C. W. Humphrey: "Materials New to Engineering".

SOCIETY OF DYERS AND COLOURISTS, SCOTTISH SECTION (at St. Enoch Hotel, Glasgow), at 7 p.m.—Mr. G. G. Simpson: "The Selection of Dyes for Covering Faded Garments".

CHEMICAL SOCIETY, ABERDEEN SECTION (in the Chemistry Department, Marischal College, Aberdeen), at 7.30 p.m.—Dr. D. P. Cuthbertson: "Recent Advances in our Knowledge of the Metabolism of Proteins and Amino Acids".

Saturday, January 25

BIOCHEMICAL SOCIETY (at the British Postgraduate Medical School, Duane Road, London, W.12), at 11 a.m.—Scientific Papers and Demonstrations.

BRITISH SOUND RECORDING ASSOCIATION (at the Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2), at 4.15 p.m.—Conference on "Sound Recording".

APPOINTMENTS VACANT

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

GRADUATE FIELD RESEARCH WORKERS to investigate problems connected with the growth of forest trees in relation to soil and site factors—The Director, Imperial Forestry Institute, The University, Oxford (January 25).

LECTURER IN THE DEPARTMENT OF MECHANICAL ENGINEERING—The Principal, Birmingham Central Technical College, Suffolk Street, Birmingham (January 25).

LECTURER IN CHEMISTRY, and a LECTURER to teach ELECTRICAL and/or CIVIL and MECHANICAL ENGINEERING, in the Plymouth and Devonport Technical College—The Director of Education, Cobourg Street, Plymouth (January 25).

ASSISTANT TEACHER to be responsible for Agricultural Science, Animal and Soil Husbandry—The Chief Education Officer, County Offices, Aylesbury, Bucks. (January 29).

LECTURER IN MECHANICAL AND ELECTRICAL ENGINEERING in the Mining Department of the Denbighshire Technical College, Wrexham—The Director of Education, Education Offices, Ruthin (January 31).

ASSISTANT MASTERS in H.M. Dockyard Schools—The Director, Education Department, Admiralty, London, S.W.1 (January 31).

TECHNICIAN for research laboratory workshop—The Secretary, Barnato Joel Laboratories, Middlesex Hospital, London, W.1 (February 1).