

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Mr. A. C. Cameron: "Education To-day and To-morrow", 8: "School Broadcasting".

GEOLOGICAL SOCIETY OF LONDON (joint meeting with the INSTITUTION OF WATER ENGINEERS) (at Burlington House, Piccadilly, London, W.1), at 2 p.m.—Discussion on "Sources of Water in relation to Town and Country Planning".

INSTITUTION OF NAVAL ARCHITECTS (at the Institution of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.1), at 2.30 p.m.—Address by the President (Admiral of the Fleet the Rt. Hon. Lord Chatfield, G.C.B., O.M.).

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 2.30 p.m.—Discussion on "The Limitations and Uses of the Comparative Method in Medicine", 4: "Neurology and Psychiatry" (to be opened by Dr. Dorothy Russell, Dr. J. R. M. Innes, Dr. W. S. Gordon, Dr. W. H. Andrews and Prof. Samson Wright).

Thursday, April 20

MANCHESTER CHAMBER OF COMMERCE (at Houldsworth Hall, Manchester), at 11.30 a.m.—Sir Edward V. Appleton, K.C.B., F.R.S.: "Fundamental Research—its Practical Importance".

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 2.30 p.m.—Dr. W. H. Mills, F.R.S.: "Old and New Views on Some Chemical Problems" (Presidential Address).

INSTITUTE OF THE PLASTICS INDUSTRY (LONDON AND DISTRICT SECTION) (at the Waldorf Hotel, Aldwych, London, W.C.2), at 6.30 p.m.—Mr. D. N. Davies: "Polyvinylchloride".

ELECTRICAL ASSOCIATION FOR WOMEN (joint meeting with the WOMEN'S ENGINEERING SOCIETY) (at 20 Lower Regent Street, London, S.W.1), at 7 p.m.—Conference on "Women in the Building Industry".

Friday, April 21

INSTITUTION OF ELECTRICAL ENGINEERS (MEASUREMENTS SECTION) (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Dr. L. Jacob: "A New Type of Electron-Optical Voltmeter".

INSTITUTE OF PHYSICS (LONDON AND HOME COUNTIES BRANCH) (at the Royal Society, Burlington House, Piccadilly, London, W.1), at 6 p.m.—Display of Scientific Films by Mr. N. L. Harris and Mr. M. Michaelis.

Saturday, April 22

BRITISH INSTITUTE OF RADIOLOGY (in the Reid-Knox Hall, 32 Welbeck Street, London, W.1), at 2.30 p.m.—Dr. J. Blair Hartley: "The Future of Radiology in Obstetrics".

INSTITUTE OF PHYSICS (INDUSTRIAL RADIOLOGY GROUP) (at the Royal Institution, 21 Albemarle Street, Piccadilly, London, W.1), at 2.30 p.m.—Mr. W. H. Glaisher, Dr. W. Betteridge and Mr. R. Eborall: "The Mottling of Aluminium Alloy Radiographs".

APPOINTMENTS VACANT

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

HEAD OF THE DEPARTMENT OF ELECTRICAL ENGINEERING—The Principal, Harris Institute, Preston (April 20).

LECTURER IN INORGANIC OR PHYSICAL CHEMISTRY to Higher National Certificate or Degree standard—The Principal, Royal Technical College, Salford 5, Lancs. (April 21).

GRADUATE LECTURER IN MECHANICAL ENGINEERING, a GRADUATE LECTURER IN ELECTRICAL ENGINEERING (preferably with experience in RADIO), and a GRADUATE LECTURER IN CHEMISTRY (with subsidiary MATHEMATICS, PHYSICS or BIOLOGY), at the Southern Municipal College—The Chief Education Officer, Education Office, Warrior Square, Southend-on-Sea (April 22).

SENIOR SPEECH THERAPIST—The Director of Education, Education Offices, Nelson Square, Bolton, Lancs. (April 22).

ASSISTANT MASTER FOR TECHNICAL SUBJECTS in the Municipal Technical College—The Secretary, Education Office, Town Hall, Widnes (April 22).

CHAIRS OF MATHEMATICS, PHILOSOPHY and PHYSICS, tenable at Bedford College for Women—The Academic Registrar, University of London, Richmond College, Richmond, Surrey (April 24).

INSTRUCTOR IN BEEKEEPING (temporary) on the Agricultural Instruction Staff of the Somerset County Council—The Clerk to the Somerset County Council, County Hall, Taunton (April 24).

COMBUSTION ENGINEER to undertake Shift Duties at a large Power Station in London—The Ministry of Labour and National Service, Room 432, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. C.2074XA) (April 24).

ASSISTANT ENGINEER by the Great Yarmouth Electricity Undertaking—The Ministry of Labour and National Service, Room 432, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. D.799XA) (April 24).

ASSISTANT MAINS ENGINEER (location, Essex)—The Ministry of Labour and National Service, Room 432, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. D.800XA) (April 24).

TEACHER (man) OF MATHEMATICS (with subsidiary SCIENCE) at the Cambridgeshire Technical School—The Education Secretary, Cambridgeshire Education Committee, Cambridge (April 24).

ASSISTANT LECTURER IN CHEMISTRY (with special qualifications in PHYSICAL CHEMISTRY)—The Registrar, The University, Manchester 13 (April 25).

LECTURER IN CHEMISTRY to teach PHYSICAL and INORGANIC CHEMISTRY up to Honours B.Sc. standard, at the Cardiff Technical College—The Director of Education, Education Offices, Cardiff (May 1).

SUPERINTENDENT to take charge of modern factory in South-East Essex producing Soap Products, Glycerine and Fatty Acids—The Ministry of Labour and National Service, Room 432, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. C.2091XA) (May 1).

ASSISTANT MASTER to teach MATHEMATICS at any stage up to University Scholarship work at the City of London School—The Town Clerk, 55-61 Moorgate, London, E.C.2 (May 1).

DRUMMOND PROFESSORSHIP OF POLITICAL ECONOMY—The Registrar, University Registry, Oxford (May 13).

ENGINEERING INSPECTOR OF MINES (temporary) in a Government Department—The Ministry of Labour and National Service, Room 432, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. C.2088A) (May 17).

W. H. COLLINS PROFESSORSHIP OF HUMAN AND COMPARATIVE PATHOLOGY—The Secretary, Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2 (July 31).

SENIOR LECTURESHIP IN THE DEPARTMENT OF METALLURGY of the University of the Witwatersrand—Dr. W. Cullen, 4 Broad Street Place, London, E.C.2 (July 31).

GRADUATE LECTURER IN MECHANICAL ENGINEERING at the Municipal College, Southend-on-Sea—The Chief Education Officer, Education Office, Warrior Square, Southend-on-Sea.

JUNIOR CHEMIST for an Iron Ore Mine in Sierra Leone—The Secretary, Overseas Manpower Committee, Ministry of Labour and National Service, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. 406).

LECTURER FOR BIOLOGY AND HYGIENE—The Principal, St. Katharine's College, Tottenham, at Cary Park, Babbacombe, Torquay.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Proceedings of the Royal Society of Edinburgh. Section A (Mathematical and Physical Sciences). Vol. 62, Part 1, No. 6: Automatic Wave Functions for Ground States of Elements *Z* and *N*. By Dr. W. E. Duncanson and Dr. C. A. Coulson. Pp. 37-39. 6d. Vol. 62, Part 1, No. 7: Quantum Mechanics of Fields, 1: Pure Fields. By Prof. Max Born and Dr. H. W. Peng. Pp. 40-57. 8s. Vol. 62, Part 1, No. 8: A Measurement of the Velocity of Light in Water. By Dr. R. A. Houstoun. Pp. 58-63. 1s. (Edinburgh and London: Oliver and Boyd. [133

Scientific Proceedings of the Royal Dublin Society. Vol. 23 (N.S.), No. 19: The Chemical Constituents of Lichens found in Ireland—*Cladonia sylvatica* (L.) Harm. emend. Sandst. By T. W. Breen, Dr. J. Keane and Dr. T. J. Nolan. Pp. 197-200. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) 6d. [143

University of Leeds: Department of Coal Gas and Fuel Industries with Metallurgy. Report of the Livesey Professor for the Session 1942-43. Pp. 16. (Leeds: The University.) [143

Leeds University: University Extension Lectures and Tutorial Classes. Thirty-fourth Annual Report, 1942-43. Pp. 6. (Leeds: The University.) [163

Ollscoil na h-Éireann: The National University of Ireland. Calendar for the Year 1943. Pp. x+592. (Dublin: National University of Ireland.) [173

Royal Agricultural Society of England. Report of Executive Committee with Statement of Accounts and Balance Sheet for Year ended 31st December 1943. Pp. 24. (London: Royal Agricultural Society of England.) [203

Other Countries

Proceedings of the United States National Museum. Vol. 94, No. 3173: Revisions of Two Genera of Chalcid-Flies belonging to the Family Eupelmidae from North and South America. By A. B. Gahan. Pp. 339-370. Vol. 94, No. 3174: New Species of American Scolytoid Beetles, mostly Neotropical. By M. W. Blackman. Pp. 371-400 + plates 15-17. (Washington, D.C.: Government Printing Office.) [93

Smithsonian Miscellaneous Collections. Vol. 104, No. 2: Cross Sections of New World Fishery. A Brief Report on the Work of the Institute of Andean Research, 1941-1942. By Prof. Wm. Duncan Strong. (Publication 3739.) Pp. v+46+33 plates. (Washington, D.C.: Government Printing Office.) [93

Report of the Secretary of the Smithsonian Institution and Financial Report of the Executive Committee of the Board of Regents for the Year ended June 30, 1943. (Publication 3740.) Pp. ix+95+2 plates. (Washington, D.C.: Government Printing Office.) 25 cents. [193

U.S. Office of Education: Federal Security Agency. Bulletin 1943, No. 2: Inter-American Education; a Curriculum Guide. By Effie G. Bathurst and Helen K. Mackintosh. Pp. 66. (Washington, D.C.: Government Printing Office.) 15 cents. [193

Pennsylvania State College: School of Agriculture. Bulletin 452: Conditions Affecting the Digestibility and the Metabolizable Energy of Feeds for Cattle. By E. B. Forbes, Prof. R. W. Swift and others. Pp. ii+34. Bulletin 453: Energy Values of a Group of Silages. By E. B. Forbes, Prof. R. W. Swift and John W. Bratzler. Pp. ii+14. (State College, Pa.; Pennsylvania State College.) [193

League of Red Cross Societies. Hygiene, Medicine, Biology: Notes and Abstracts for the Use of National Red Cross Societies. No. 1, July 1943. Pp. iv+47. (Geneva: League of Red Cross Societies.) [193

Anuario del Observatorio Astronómico de Madrid para 1944. Pp. 334. (Madrid: Instituto Geográfico.) [193

Joint Progress Report on Reservoir Efficiency and Well Spacing. By the Committees on Reservoir Development and Operation of the Standard Oil Company (New Jersey) Affiliated Companies and of the Humble Oil and Refining Company. Pp. xix+77. (New York: Standard Oil Development Co.; London: Anglo-American Oil Co., Ltd.) [163

Dominion of Canada. Report of the Department of Mines and Resources including Report of Soldier Settlement of Canada for the Fiscal Year ended March 31, 1943. Pp. 207. (Ottawa: King's Printer.) [203