

## FORTHCOMING EVENTS

Saturday, April 17

BRITISH RHEOLOGISTS' CLUB (JOINT MEETING WITH THE MANCHESTER AND DISTRICT SECTION OF THE INSTITUTE OF THE RUBBER INDUSTRY) (at the Engineers' Club, Albert Square, Manchester), at 10 a.m.—Discussion on "The Rheology of Rubber and Rubber-like Materials" (Chairman: Mr. W. N. Lister).

Monday, April 19

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Discussion on "Infra-red Lamp Heating and its Application to Industrial Purposes".

Tuesday, April 20

ROYAL STATISTICAL SOCIETY (at the Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2), at 5.15 p.m.—Mr. R. J. Thompson: "The Future of Agriculture".

INSTITUTION OF ELECTRICAL ENGINEERS (WIRELESS SECTION) (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Discussion on "Metal Rectifiers and their Applications to Radio and to Measurements" (to be opened by Mr. S. A. Stevens).

Wednesday, April 21

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 2.15 p.m.—Annual General Meeting. Discussion on "Immunity", 5, "Immunity to Viruses" (to be opened by Sir John Ledingham, C.M.G., F.R.S., Mr. T. M. Doyle, Mr. J. T. Edwards and Mr. N. Dobson).

ROYAL METEOROLOGICAL SOCIETY (at 49 Cromwell Road, South Kensington, London, S.W.7), at 4.30 p.m.—Meteorological Sound Films: (1) "Ice Formation"; (2) "Temperature and Pressure"; (3) "Synoptic Meteorology"; (4) "Tactical Use of Clouds"; (5) "Fog". (By courtesy of the Air Ministry.)

## APPOINTMENTS VACANT

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

SPEECH THERAPIST—The Director of Education, Education Offices, Peel Street, Huddersfield (April 24).

ASSISTANT TEACHER OF MATHEMATICS AND SCIENCE in the Oldbury Technical School—The Director of Education, County Buildings, Worcester (April 24).

ASSISTANT MASTER TO TAKE SCIENCE AND MATHEMATICS in the Junior Technical School—The Director of Education, Education Offices, Union Street West, Oldham (April 24).

TEACHER OF MINING SUBJECTS in the Doncaster Technical School—The Chief Education Officer, Education Offices, Wood Street, Doncaster (April 26).

RESEARCH ASSISTANT—The Secretary, Animal Diseases Research Association, Moredun Institute, Gilmerton, Midlothian (April 26).

ASSISTANT LECTURER IN AGRICULTURAL CHEMISTRY—The Registrar, The University, Leeds 2 (April 28).

TEACHER OF SCIENCE SUBJECTS (PHYSICS AND CHEMISTRY) in the Batley Technical College and School of Art—The Director of Education, Education Offices, Batley, Yorks. (April 28).

PHYSICIST (MALE) TO THE RADIOTHERAPY DEPARTMENT—The Secretary, London Hospital, London, E.1 (April 30).

BOROUGH ELECTRICAL ENGINEER—The Town Clerk, Town Hall, Luton (May 1).

TEACHER OF BUILDING CONSTRUCTION, SCIENCE AND MATHEMATICS in the Building Trades and Junior Day Department of the Oxford Schools of Technology, Art and Commerce—The Chief Education Officer, City Education Offices, 77 George Street, Oxford (May 1).

LECTURER IN MINING AND FUELS—The Principal, Huddersfield Technical College, Huddersfield (May 7).

LECTURER (WOMAN) IN GEOGRAPHY in the Brighton Municipal Training College—The Education Officer, 54 Old Steine, Brighton (May 8).

GRADUATE LECTURER IN MATHEMATICS AND SCIENCE—The Clerk to the Governors, Technical College, Chesterfield.

SPEECH THERAPIST—The Education Officer, County Hall, Wakefield.

SECOND ASSISTANT PORT ENGINEER for the Basrah Port Directorate, Iraq Government—The Secretary, Overseas Manpower Committee (Ref. 541), Ministry of Labour and National Service, Sardinia Street, Kingsway, London, W.C.2.

MECHANICAL AND ELECTRICAL ENGINEER for the Gold Coast Government Public Works Department—Ministry of Labour and National Service, Central (Technical and Scientific) Register, Section D.588, Alexandra House, Kingsway, London, W.C.2.

ASSISTANT MECHANICAL ENGINEER for the Tanganyika Government Railway—Ministry of Labour and National Service, Central (Technical and Scientific) Register, Ref. C.1334, Alexandra House, Kingsway, London, W.C.2.

LECTURERS IN MECHANICAL AND ELECTRICAL ENGINEERING SUBJECTS—Ministry of Labour and National Service, Central (Technical and Scientific) Register, Section D.565, Alexandra House, Kingsway, London, W.C.2.

ASSISTANT MASTER, WITH GOOD QUALIFICATIONS IN ELECTRICAL ENGINEERING, at the Maidstone Technical Institute—Mr. A. W. Peacock, 13 Tonbridge Road, Maidstone, Kent.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Tin Research Institute. Publication 115: Determination of the Thickness of Tin Coatings. Pp. 6. (Greenford: Tin Research Institute.) [252]

British Rubber Producers' Research Association. Publication No. 30: The Elasticity of a Network of Long-chain Molecules, 1. By L. R. G. Treloar. Pp. 8. (London: British Rubber Producers' Research Association.) [252]

National Institute of Economic and Social Research. Occasional Papers, 2: The Population of Bristol. By H. A. Shannon and E. Grebenik. Pp. v+93. (Cambridge: At the University Press.) 7s. 6d. net. [262]

Proceedings of the Royal Irish Academy. Vol. 48, Section A, No. 4: Dynamics and Scattering Power of Born's Electron. By Erwin Schrödinger. Pp. 91-122. 1s. 6d. Vol. 48, Section A, No. 5: On Ideals in the Cayley-Dickson Algebra. By K. Mahler. Pp. 123-134. 1s. Vol. 48, Section A, No. 6: Pentads, Tetraads and Triads of Meson-Matrices. By Erwin Schrödinger. Pp. 135-146. 1s. Vol. 48, Section B, No. 8: Mean Geochemical Data in relation to Oceanic Evolution. By E. J. Conway. Pp. 119-160. 2s. Vol. 48, Section B, No. 9: The Chemical Evolution of the Ocean. By E. J. Conway. Pp. 161-212. 2s. 6d. Vol. 48, Section B, No. 10: The Mobile Colloidal Humus of Podsollic Soils and its relationship to the Process of Podsolisation. By Patrick H. Gallagher. Pp. 213-230. 1s. Vol. 48, Section B, No. 11: Granitisation of Hornfelsed Sediments in the Newry Granodiorite of Goroughwood Quarry, Co. Armagh. By Doris L. Reynolds. Pp. 231-263. 3s. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) [118]

Ministry of Fuel and Power: Committee on the Efficient Use of Fuel. Fuel Efficiency Bulletin No. 9: Combustible Material in Ashes. Pp. ii+10. Fuel Efficiency Bulletin No. 10: Control of Excess Air on Steam Raising and Central Heating Plants. Pp. 12. (London: Ministry of Fuel and Power.) [133]

The Super Church: a New Church, a New Bible and a New Reformation for a New World; a Challenge to Religious and Anti-Religious Diehards. By W. Margrie. Pp. 32. (London: The Author, 65 Trafalgar Avenue, S.E.15.) 6d. [133]

A Post-War Agricultural Policy for Great Britain. A Memorandum prepared by a Group of Peers holding varied Political Creeds. Pp. 16. (London: Vacher and Sons, Ltd.) [133]

Other Countries

Proceedings of the United States National Museum. Vol. 92, No. 3152: The Fresh-water Fishes of Liberia. By Leonard P. Schultz. Pp. 301-348+plates 35-36. (Washington, D.C.: Government Printing Office.) [192]

Smithsonian Institution: Bureau of American Ethnology. Bulletin 134: The Native Tribes of Eastern Bolivia and Western Mato Grosso. By Alfred Métraux. Pp. ix+132+5 plates. 35 cents. Bulletin 135: Origin Myth of Acoma and other Records. By Matthew W. Stirling. Pp. viii+123+17 plates. 35 cents. (Washington, D.C.: Government Printing Office.) [222]

Anuario del Observatorio Astronómico de Madrid para 1943. Pp. 236. (Madrid: Instituto Geográfico.) [232]

Events in African History. A Supplement to 'The Atlantic Charter and Africa from an American Standpoint'. Compiled by Edwin H. Smith. Pp. iv+67. (New York: Committee on Africa, the War and Peace Aims; London: Edinburgh House Press.) 1s. [242]

Records of the Geological Survey of India. Vol. 77, Professional Paper No. 4: The Structure of the Tertiaries near Gogha, Kathiawar. By J. A. Dunn. Pp. ii+10+4 plates. 1 rupee; 1s. 6d. Vol. 77, Professional Paper No. 5: Coal in Kathiawar. By J. A. Dunn. Pp. ii+12. 4 annas; 5d. (Calcutta: Geological Survey of India.) [252]

Imperial Council of Agricultural Research. Miscellaneous Bulletin No. 48: Methods of Production and Marketing of Cigarette and Cigar Tobacco in the United States of America, Canada, Java and Sumatra. By C. V. S. Chatter. Pp. v+91+12 plates. (Delhi: Manager of Publications.) 4.4 rupees; 6s. 9d. [252]

Indian Forest Leaflet No. 29: Selection and Field Testing of Aircraft Quality Spruce and Fir. By V. D. Limaye. Pp. ii+6+1 plate. 4 annas; 6d. Indian Forest Leaflet No. 30: Formation of Clinker in Producer-Gas Plant. By S. Ramaswami and A. C. Dey. Pp. ii+4+1 plate. 6 annas; 9d. Indian Forest Leaflet No. 31: Wood Disc Dowel Joints in Timber Framed Structures. By V. D. Limaye. Pp. ii+6+2 plates. 4 annas; 6d. (Dehra Dun: Forest Research Institute.) [252]

Annals of the Carnegie Museum. Vol. 29, Art. 12: List of the Hummingbirds in the Collection of the Carnegie Museum. By W. E. Clyde Todd. Pp. 271-370. (Pittsburgh, Pa.: Carnegie Museum.) [13]

City of Durban: Durban Museum and Art Gallery. Annual Report for the Year ended 31st July 1942. Pp. 8+4 plates. (Durban: Durban Museum and Art Gallery.) [23]

Union of South Africa: Department of Agriculture and Forestry. Science Bulletin No. 20 (Chemistry Series No. 171): The Chemical Composition of some South African Cereals and their Milling Products. By D. C. Crawford, Dr. P. J. Hamersma and Dr. B. W. Marloth. Pp. 100. (Pretoria: Government Printer.) [33]

U.S. Office of Education: Federal Security Agency. Bulletin 1942, No. 6: Industries, Products and Transportation in our Neighbor Republics; an Index and Bibliography. Pp. iv+39. (Washington, D.C.: Government Printing Office.) 10 cents. [33]

Australasian Antarctic Expedition, 1911-14. Scientific Reports, Series A, Vol. 1: Part 1, Narrative; Part 2, Cartography. By Douglas Mawson. Pp. 364+124 plates. (Sydney: Government Printer.) 43 17s. 6d. [43]