

PAPER MAKERS' ASSOCIATION (TECHNICAL SECTION), NORTHERN DIVISION (at the Engineers' Club, Manchester), at 7 p.m.—Mr. Edwin Davis: "Non-Ferrous Metals in the Paper Industry".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 9 p.m.—Dr. C. R. Harington, F.R.S.: "The Body's Chemical Mechanisms of Defence".

Saturday, December 14

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS, STUDENT SECTION (at Bolbec Hall, Newcastle-upon-Tyne 1), at 6.45 p.m.—Mr. Robert Hincliffe: "50 Years of Progress in Propulsive Efficiency".

## APPOINTMENTS VACANT

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

LECTURER IN BIOLOGY (with subsidiary Chemistry) at the Technical College and School of Art—The Chief Education Officer, Shire Hall, Cambridge (December 14).

TEACHER OF MECHANICAL ENGINEERING SUBJECTS in the part-time Day and Evening Classes and the Secondary Technical School of Engineering—The Principal, Hendon Technical College, The Burroughs, Hendon, London, N.W.4 (December 14).

SENIOR SCIENTIFIC OFFICER or SCIENTIFIC OFFICER for work on general information, preparation of reports, etc., a SENIOR SCIENTIFIC OFFICER or SCIENTIFIC OFFICER for statistical work on problems connected with the carbonization of coal in coke ovens and general investigations, a SCIENTIFIC OFFICER or EXPERIMENTAL OFFICER for work at the Midland Coke Research Station, Sheffield, and LABORATORY ASSISTANTS, Grades II and I, for work at the Midland Coke Research Station, Sheffield, with experience in the Coke Oven Industry—The Secretary, British Coke Research Association, 11-12 Pall Mall, London, S.W.1 (December 16).

SENIOR EXPERIMENTAL OFFICERS (9) at the Building Research Station of the Department of Scientific and Industrial Research—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1703 (December 19).

SENIOR PRINCIPAL SCIENTIFIC OFFICER, and PRINCIPAL SCIENTIFIC OFFICERS or SENIOR SCIENTIFIC OFFICERS (2), in the Road Research Laboratory of the Department of Scientific and Industrial Research—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1702 (December 19).

PRINCIPAL SCIENTIFIC OFFICERS (2), PRINCIPAL SCIENTIFIC OFFICERS or SENIOR SCIENTIFIC OFFICERS (2), and SENIOR SCIENTIFIC OFFICERS (4), at the Building Research Station of the Department of Scientific and Industrial Research—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1704 (December 19).

SENIOR PRINCIPAL SCIENTIFIC OFFICER to take charge of the Physics Section of the Fuel Research Station of the Department of Scientific and Industrial Research—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1700 (December 19).

PHYSICAL CHEMISTS as Principal Scientific Officers in the Chemical Research Laboratory of the Department of Scientific and Industrial Research—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1701 (December 19).

PRINCIPAL LECTURERS, SENIOR LECTURERS and LECTURERS (permanent and temporary) in metallurgy, heat engines, machines, mechanics and materials, at the Military College of Science, Shrivenham, Swindon—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1698 (December 20).

PSYCHIATRIST, experienced and fully qualified (with good practical experience of the treatment of children)—The Hon. Medical Director, Belfast Child Guidance Clinic, Belfast Hospital for Sick Children, Belfast (December 20).

CHIEF METALLURGIST by the Ministry of Supply to take charge of the chemical, metallurgical and testing laboratories of the Royal Ordnance Factory, Woolwich—The Ministry of Labour and National Service, Technical and Scientific Register, Room 572, York House, Kingsway, London, W.C.2, quoting No. F.1257A (December 23).

LECTURER IN ORGANIC CHEMISTRY—The Principal, Brighton Technical College, Brighton 7 (December 28).

REGIONAL DIRECTORS of Extension Work (2)—The Secretary, Edinburgh and East of Scotland College of Agriculture, 13 George Square, Edinburgh 8 (December 31).

CURATOR of the City Museums—The Town Clerk, Room 57, Civic Hall, Leeds 1, endorsed 'Curator of the City Museums' (December 31).

SENIOR LECTURER IN EDUCATIONAL PSYCHOLOGY at the Brighton Training College for Women—The Education Officer, 54 Old Steine, Brighton (December 31).

DEVELOPMENT ENGINEER—The Deputy Director, Scottish Seaweed Research Association, West Mains Road, Edinburgh 9 (January 1).

LECTURER IN CHEMICAL ENGINEERING—The Acting Clerk to the Governors, South-West Essex Technical College and School of Art, Forest Road, Walthamstow, London, E.17.

CHEMIST with a view to being trained for spectrographic analysis—The Secretary, Edinburgh and East of Scotland College of Agriculture, 13 George Square, Edinburgh 8.

ASSISTANT LECTURER IN PHARMACOLOGY—The Dean, Guy's Hospital Medical School, London Bridge, London, S.E.1.

CHEMIST and a TECHNICAL ASSISTANT, in the Department of Chemical Pathology—The Secretary, Westminster Hospital Medical School, 17 Horseferry Road, London, S.W.1.

ANALYST familiar with modern methods of organic quantitative micro-analysis—The Administrative Officer, National Institute for Medical Research, Hampstead, London, N.W.3.

CHEMISTS (3, male) in the laboratories of the Plant and Animal Products Department—The Establishment Officer, Imperial Institute, South Kensington, London, S.W.7.

RESEARCH WORKERS to investigate problems concerning the relationship of footwear to health—The Director of Research, British Boot, Shoe and Allied Trades Research Association, 30-36 Thorngate Street, Kettering.

RESEARCH ASSISTANT IN ZOOLOGY—Prof. A. D. Peacock, University College, Dundee.

RESEARCH OFFICERS (a PHYSICIST, a PHYSICAL CHEMIST and a CHEMIST), an ASSISTANT RESEARCH OFFICER, and LABORATORY ASSISTANTS—The Director, British Paper and Board Industry Research Association, St. Winifred's Laboratories, Welcomes Road, Kenley, Surrey.

GRADUATE ASSISTANT IN THE MECHANICAL ENGINEERING DEPARTMENT, with special qualifications in Thermodynamics—The Principal, Erith Technical College, Erith Road, Belvedere, Kent.

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

SENIOR LECTURER IN PHYSICS—The Principal, Sir John Cass Technical Institute, Jewry Street, London, E.C.3.

LECTURER IN MECHANICAL ENGINEERING in the Harris Institute—The Principal, Technical College, Corporation Street, Preston.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Society for the Protection of Science and Learning. Fifth Report, 1946. Pp. 20. (Cambridge: Westminster College, 1946.) [116]

Freshwater Biological Association of the British Empire. Scientific Publication No. 11. Freshwater Biology and Water Supply in Britain. By Dr. W. E. Peersall, A. C. Gardiner and Dr. F. Greenshields. Pp. 90. (Ameside, Freshwater Biological Association of the British Empire, 1946.) 4s. [116]

Journal of the British Grassland Society. Edited by H. I. Moore. Vol. 1, No. 1, March. Pp. 88. (Aberystwyth: British Grassland Society, Agricultural Research Building, 1946.) Subscription to Nos. 1-2, 10s. [116]

Space, Time and Race: or the Age of Man in America. By Dr. R. E. G. Armattee. Pp. 16. (Londonderry: Lomeshie Research Centre, 1946.) 1s. 9d. [116]

Science and Human Welfare. The Proceedings of a Conference held in London 15th-17th February 1946, and sponsored by the Association of Scientific Workers, supported by the British Association of Chemists, the Institution of Professional Civil Servants, the Association of University Teachers, the Physical Society, the Nutrition Society, the Institution of Electronics. Pp. 72. (London: Temple Fortune Press, 1946.) 2s. 6d. [126]

### Other Countries

Smithsonian Institution: United States National Museum. Bulletin 188: The Fresh-water Fishes of Siam, or Thailand. By Hugh M. Smith. Pp. xi + 622 + 9 plates. 1.50 dollars. Bulletin 189: A Descriptive Catalog of the Shore Fishes of Peru. By Samuel F. Hildebrand. Pp. xi + 530. 1.25 dollars. (Washington, D.C.: Government Printing Office, 1945-1946.) [215]

Ocult Chemistry Investigations: a Record of the Examination by Clairvoyant Magnification into the Structure of 99 Chemical Elements and Compounds. By Annie Besant and C. W. Leadbetter. Edited by C. Jinarajadasa. Pp. 20. (Adyar, Madras: Theosophical Publishing House, 1946.) 8 annas. [275]

Nigeria: Development Branch, Fisheries. Annual Report, 1945. Pp. 4. (Lagos: Government Printer; London: Crown Agents for the Colonies, 1946.) 3d. [305]

Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 191: Studies of the Physiology and Toxicology of Blowflies. 10, A Histochemical Examination of the Distribution of Copper in *Lucilia cuprina*: 11, A Quantitative Investigation of the Copper Content of *Lucilia cuprina*. By D. F. Waterhouse. Pp. 39 + 1 plate. (Melbourne: Government Printer, 1945.) [305]

Publications of the Dominion Observatory, Ottawa. Vol. 13: Bibliography of Seismology. No. 18: Items 5935-6046, July to December 1945. By Ernest A. Hodgson. Pp. 292-316. (Ottawa: King's Printer, 1946.) 25 cents. [38]

Northern Rhodesia. Advisory Committee on Industrial Development, First Report. Pp. 27. (Lusaka: Government Printer, 1946.) 1s. [66]

Panstwowa Rady Ochrony Przyrody. Nr. 56: Pamiętnik XIX zjazdu Panstwowej Rady Ochrony Przyrody odbytego w Krakowie 21 i 22 września 1945 r. Pp. 128. 50 zł. Chronmy Przyrodę Ojczyzny (Protection of Nature in Poland.) Rok 1, Nr. 2-3. Pp. 88. 25 zł. Rok 2, Nr. 1-2. Pp. 64. 25 zł. (Krakow: Panstwowa Rada Ochrony Przyrody, 1945-1946.) [66]

Spisy vydávané Přírodovědeckou Fakultou Masarykovy University (Publications de la Faculté des Sciences de l'Université Masaryk). Cis. 272: *Tragacanthae novae*. Scripta G. Sirjaev. Pp. 8. Cis. 273: Sur les espaces (L) et sur les produits Cartésiens (L) (O L-prostehce a kartézských L-součinech). Par Josef Novák. Pp. 28. Cis. 274: Racionální zborcení plocha stupně šestého, 1 (Eine rationale Regelläche sechsten Grades.) Napsal František Fúrie. Pp. 23. Cis. 275: Teorie grupoidu, Část první (Grupoidentheorie. Teil 1.) Napsal O. Boruvka. Pp. 17. Cis. 276: Pakomáři (Chironomidae) z léčivých pramenů Střední Evropy (Chironomids Inhabiting the Mineral Springs of Middle Europe.) Napsal Jan Závřel. Pp. 15. Cis. 277: Energetika torzních kyvadel (Étude des oscillations non amorties d'un Système de pendules de torsion couplés.) Napsal Josef Zahradníček. Pp. 18. (Brno: A. Pša, 1939-1946.) [66]

Imperial College of Tropical Agriculture. Report of the Governing Body, the Principal's Report for 1945, and the Accounts for the Year ended August 31st, 1945. Pp. 32. (Trinidad and London: Imperial College of Tropical Agriculture, 1946.) [116]

Smithsonian Institution: Institute of Social Anthropology. Publication No. 2: Cherán, a Sierra Tarascan Village. By Ralph L. Beals. Pp. x + 225 + 8 plates. (Washington, D.C.: Government Printing Office, 1946.) [116]