

## FORTHCOMING EVENTS

Tuesday, February 18

INSTITUTION OF CIVIL ENGINEERS (Joint Meeting with the British section of the Société des Ingenieurs civils de France) (at Great George Street, London, S.W.1), at 1.30 p.m.—M. Tony Jules Gueritte: "Further Data concerning Pre-Stressed Concrete: Comparison between Calculated Stresses Registered during Tests".

Wednesday, February 19

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Dr. Julius Grant: "Art and Science in Paper Manufacture".

GEOLOGICAL SOCIETY OF LONDON (at Burlington House, Piccadilly, London, W.1), at 3 p.m.—Dr. E. Greenly: "The Glacial Phenomena of Arron". Mr. B. C. King: "The Cnoc na Cuilean Area of the Ben Loyal Igneous Complex".

Friday, February 21

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, London, S.W.1).—Annual General Meeting. Lt.-Col. P. H. Johnson: "The Mechanical Requirements of the Royal National Lifeboat Institution".

## APPOINTMENTS VACANT

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

TWO ASSISTANT LECTURERS IN MECHANICAL ENGINEERING at the Ipswich School of Engineering—The Secretary for Education, Tower House, Ipswich (February 21).

LECTURER IN MATHEMATICS AND SCIENCE at the Chesterfield Technical College—The Clerk to the Governors, Technical College, Infirmary Road, Chesterfield (February 22).

VICE-PRINCIPAL AT THE ARAB WOMEN'S TRAINING COLLEGE, Palestine—The Secretary (I.P.R.), Board of Education, Alexandra House, Kingsway, London, W.C.2 (February 24).

GRADUATE LECTURER IN MATHEMATICS AND PHYSICS at the Burnley Municipal College—The Director of Education, Education Offices, Burnley (February 24).

PRINCIPAL OF THE SHREWSBURY TECHNICAL COLLEGE—The Secretary for Education, Education Office, County Buildings, Shrewsbury (February 26).

DIRECTOR OF EDUCATION to the Isle of Wight County Council—The Clerk to the County Council, County Hall, Newport, Isle of Wight (February 26).

LECTURER-IN-CHARGE, DEPARTMENT OF COAL MINING, Technical Education Branch, Department of Public Instruction, and a LECTURER UPON COAL-MINING ENGINEERING, etc., University of Sydney—The Official Secretary, New South Wales Government Offices, 125 Strand, London, W.C.2 (February 28).

PRINCIPAL of the Salisbury Diocesan Training College for Women Teachers—The Hon. Secretary, Diocesan Training College for Women Teachers, The Close, Salisbury (March 1).

HEADMASTER of the County School for Boys, Beckenham and Pease—Mr. G. Crease, 12 Beckenham Road, Beckenham, Kent (March 8).

DEMONSTRATOR IN THE DEPARTMENTS OF CHEMISTRY AND PHARMACY—The Registrar, Portsmouth Municipal College, Portsmouth.

ASSISTANT ENGINEER by the Government of Dominica (British West Indies)—The Crown Agents for the Colonies, 4 Millbank, London, S.W.1 (quoting M/9551).

ENGINEER for the Public Works Department of the Government of Sierra Leone—The Crown Agents for the Colonies, 4 Millbank, London, S.W.1 (quoting M/9552).

ENGINEERING ASSISTANTS at the Air Ministry—London Supplementary Register Office, Ministry of Labour and National Service, 4 Great Marlborough Street, London, W.1 (quoting Order No. 472).

LECTURER IN MECHANICAL ENGINEERING and TWO LECTURERS IN ELECTRICAL SUBJECTS at the Rotherham College of Technology and Art—The Director of Education, Education Offices, Rotherham.

## REPORTS AND OTHER PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Ollscoil na h-Eireann (The National University of Ireland). Calendar for the Year 1939. Pp. ix+344+674+452. (Dublin: National University of Ireland.) [91]

London Shellac Research Bureau. Technical Paper No. 19: Lac-Cellulose Lacquers. By Dr. B. S. Gidvani and Dr. R. Bhattacharya. Pp. 24. (London: London Shellac Research Bureau.) [91]

University of London: University College. Calendar, Session 1940-1941. Pp. lxiv+576+lxv-lxxix. (London: Taylor and Francis, Ltd.) [91]

Air Ministry: Meteorological Office, London. Southport Auxiliary Observatory (the Fernley Observatory of the Corporation of Southport). Annual Report and Results of Meteorological Observations for the Year 1939. By George A. Lidster. Pp. 32. (Southport: Fernley Observatory; London: Air Ministry.) [91]

Institution of Gas Engineers. Publication No. 234: 1st Report of the Chairmen's Technical Committee, 1939-1940. Pp. 24. Publication No. 237: Second Arthur Duckham Research Fellowship Report—The Radiation from Solid Substances under Flame Impact, Part 1. By E. C. W. Smith. Pp. 36. (London: Institution of Gas Engineers.) [91]

Transactions of the Royal Society of Edinburgh. Vol. 60, Part 2, No. 9: Oak Galls in the *Historia Plantarum* of Theophrastus. By Prof. Gustav Senn. Pp. 343-354+1 plate. (Edinburgh: Robert Grant and Son, Ltd.; London: Williams and Norgate, Ltd.) 2s. [91]

Philosophical Transactions of the Royal Society of London. Series A: Mathematical and Physical Sciences. No. 801, Vol. 239: The Soft X-ray Spectroscopy of Solids. By H. W. B. Skinner. Pp. 95-134. 6s. 6d. Series B: Biological Sciences. No. 572, Vol. 230: The Flight of the Dipterous Fly *Muscina stabulans* Fallén. By F. S. J. Hollick. Pp. 357-390. 5s. No. 573, Vol. 230: The Devonian Fish *Palaeospondylus gunni* Traquair. By J. A. Moy-Thomas. Pp. 391-414. 7s. (London: Cambridge University Press.) [91]

## Other Countries

Imperial Council of Agricultural Research. Miscellaneous Bulletin No. 39: Studies on the Preservation of Fruit Juices, 2: Experiments on the Preparation and Preservation of Unfermented Apple Juice. By Lal Singh and Dr. Girdhari Lal. Pp. 24. (Delhi: Manager of Publications.) 14 annas; 1s. 3d. [91]

Government of Travancore. Administration Report of the Government Museum, 1114 M. E. Pp. ii+8. (Trivandrum: Government Press.) [91]

Union of South Africa: Department of Agriculture and Forestry (Division of Chemical Services). Bulletin 213 (Chemistry Series No. 160): Survey of the Most Important Tobacco Soils of the Union of South Africa. By Dr. J. L. Steenkamp. Pp. 74. (Pretoria: Government Printer.) 6d. [91]

Publications of the Observatory of the University of Michigan. Vol. 8, No. 2: Spectrophotometric Determinations of Stellar Temperatures, 4: An International Comparison of Standard Lamps. By Robley C. Williams. Pp. 37-44. (Ann Arbor, Mich.: University of Michigan.) [91]

Report of the President and of the Treasurer for the Year ended September 30, 1940. Pp. 184. (New York: Carnegie Corporation of New York.) [91]

Bulletin of the American Museum of Natural History. Vol. 77, Art. 8: The Post-Glacial History of *Zonotrichia capensis*. By Frank M. Chapman. Pp. 381-438. (New York: American Museum of Natural History.) [91]

Publications of the University of Sydney, Department of Zoology. Monograph No. 1: The Plankton of the Australian Coastal Waters of New South Wales. Part 1: With special reference to the Seasonal Distribution, the Phyto-Plankton, and the Planktonic Crustacea, and in particular, the Copepoda and Crustacean Larvæ, together with an account of the more frequent members of the Groups Mysidacea, Euphausiacea, Amphipoda, Mollusca, Tunicata, Chaetognatha, and some reference to the Fish Eggs and Fish Larvæ. By Dr. William J. Dakin and Alan N. Colefax. Pp. 215+4 plates. (Sydney: University of Sydney.) 21s. [91]

## Catalogues, etc.

The *Industrial Chemist* Diary for 1941. Pp. 20+Diary. (London: The *Industrial Chemist*.)

The Nivoc Supplement. Special War Issue No. 4, December 1940. Pp. 16. (London and Birmingham: W. and J. George, Ltd., proprietors of F. E. Becker and Co.)

Mathematics, Astronomy, Physics, from the Library of the late Prof. A. E. H. Love. (No. 89.) Pp. 40. (Oxford: Parker and Son, Ltd.)

College Diary, 1941. Pp. 32+Diary. (London: South-West Essex Technical College and School of Art.)

Calendar for 1941. (Newcastle-upon-Tyne: C. A. Parsons and Co., Ltd.)

The B.D.H. Vena-Flask and its use in Intravenous Therapy. Pp. 20. (London: The British Drug Houses, Ltd.)

Instruments for the Measurement of High Vacua—The Vacustat. (Mes. la.) Pp. 2. (London: W. Edwards and Co. (London), Ltd.)

A Catalogue of Books: Alchemy, Astrology, Chemistry and Allied Subjects; Botany; Early Medicine and Surgery; Addenda. (No. 584.) Pp. 40. (London: Bernard Quaritch, Ltd.)

Calendar for 1941. (Newcastle-upon-Tyne: C. A. Parsons and Co., Ltd.)

The Wild-Barfield Heat-Treatment Journal. Vol. 4, No. 27. Pp. 23-34+iv. (Watford: Wild-Barfield Electric Furnaces, Ltd.)

Conti-Glo Fluorescent Decoration. Pp. 4. (Cleveland, Ohio: Continental Lithograph Corporation.)

The Use of Crystalline Vitamin B<sub>1</sub> Thiamin Chloride (Thiamine Hydrochloride U.S.P. XI) in Foods. Pp. 8. (Rahway, N. J.: Merck and Company, Inc.)

Kodak X-ray Direct Reading Localizer. Pp. 4. Kodak X-ray Materials and Accessories. Pp. 16. (London: Kodak, Ltd.)

Catalogue of Books relating to Egypt Ancient and Modern, including Egyptian Sudan. (No. 12.) Pp. 38. (London: George Salby.)