

FORTHCOMING EVENTS

(Meeting marked with an asterisk is open to the public.)

Monday, February 16

JOINT MEETING OF TECHNICAL SOCIETIES ARRANGED AT THE REQUEST OF THE MINES DEPARTMENT (in the Lecture Hall, Public Libraries, Sheffield), at 3 p.m.—Discussion on the Best Ways and Means of Promoting the Efficient Use of Fuel and Power in existing Industrial Plants under Present Conditions, and for Making Constructive Suggestions. (To be opened by Dr. R. J. Sarjant, Mr. H. C. Armstrong and Mr. Donald Wilson.)

Wednesday, February 18

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Sir John Russell, F.R.S.: "Post-War Agriculture in Great Britain".

INSTITUTE OF CHEMISTRY (LONDON AND SOUTH EASTERN COUNTIES SECTION) (at 30 Russell Square, London, W.C.1), at 4 p.m.—Prof. F. A. Paneth: "Artificial Radioactivity and the Completion of the Periodic System".

Thursday, February 19

CHEMICAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 2.30 p.m.—Dr. H. J. Emeléus: "Fluorine".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 2.30 p.m.—Mr. John Henry Gorvin: "Some Aspects of the Post-War Feeding of Europe".*

INSTITUTE OF ELECTRICAL ENGINEERS (at Savoy Place, Victoria Embankment, London, W.C.2), at 6 p.m.—Mr. J. M. Meek: "The Electric Spark".

Friday, February 20

ASSOCIATION OF APPLIED BIOLOGISTS (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 11 a.m.—Symposium on "Domestic Entomology".

APPOINTMENTS VACANT

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

TEACHER OF PHYSICS (MAN OR WOMAN)—Principal, and Organizer of Further Education in Rugby, College of Technology and Arts, Eastlands, Rugby (February 20).

WATERWORKS ENGINEER AND MANAGER—The Clerk to the Southport and District Water Board, Town Hall, Southport (March 7).

ADVISORY ENTOMOLOGIST for the Bristol province, under the scheme of the Ministry of Agriculture and Fisheries for the provision of technical advice for farmers—The Secretary and Registrar, Department of Agriculture and Horticulture, University, Bristol (March 9).

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

National Institute of Industrial Psychology. Annual Report and Statement of Accounts for the Year ended 30 September 1941. Pp. 16. (London: National Institute of Industrial Psychology.) [191]

Transactions of the Institution of Chemical Engineers. Vol. 18, 1940. Pp. v+147. (London: Institution of Chemical Engineers.) [191]

Transactions of the Royal Society of Edinburgh. Vol. 60, Part 2, No. 14: Chironomid Larvæ of the Millport Shore Pools. By T. A. Stuart. Pp. 475-502. 3s. 6d. Vol. 60, Part 2, No. 15: The Life-History and Ecology of the Salmon Gill-Maggot *Salmincola salmonea* (L.) (Copepod Crustacean). By G. F. Friend. Pp. 503-542. 4s. 9d. (London and Edinburgh: Oliver and Boyd.) [231]

Leicester Museum and Art Gallery. 37th Annual Report to the City Council, 1 April 1940 to 31 March 1941. Pp. 16. (Leicester: Leicester Museum and Art Gallery.) [22]

University of Leeds: Department of Coal Gas and Fuel Industries, with Metallurgy. Report of the Livesey Professor (D. T. A. Townend) for the Session 1940-41. Pp. 24. (Leeds: The University.) [22]

Other Countries

Radiations from Radioactive Cobalt: a Dissertation in Physics presented to the Faculty of the Graduate School in partial fulfillment of the requirements for the Degree of Doctor of Philosophy. By Arthur S. Jensen. Pp. 8. (Philadelphia: University of Pennsylvania.) [91]

Carnegie Corporation of New York. Report of the President and of the Treasurer for the Year ended September 30, 1941. Pp. xi+148. (New York: Carnegie Corporation of New York.) [91]

U.S. Office of Education: Federal Security Agency. Pamphlet No. 80: Sources of Visual Aids for Instructional Use in Schools. Revised edition. Pp. iii+91. (Washington, D.C.: Government Printing Office.) 15 cents. [91]

Proceedings of the United States National Museum. Vol. 91, No. 3121: The Mammalian Faunas of the Paleocene of Central Utah, with Notes on the Geology. By C. Lewis Gazin. Pp. 54. (Washington, D.C.: Government Printing Office.) [121]

Publications of the Observatory of the University of Michigan. Vol. 8, No. 11: The Julius F. Stone Spectroheliograph for the Determination of Solar Atmospheric Radial Velocities. By Robert B. McMath. Pp. 141-147+7 plates. (Ann Arbor, Mich.: University of Michigan.) [112]

U.S. Department of Agriculture. Miscellaneous Publication No. 424: A Classification of the Scale Insect Genus *Asterolecanium*. By Louise M. Russell. Pp. 322. 45 cents. Technical Bulletin No. 791: Hibernation of the Corn Earworm in South-eastern Georgia. By G. W. Barber. Pp. 17. (Washington, D.C.: Government Printing Office.) [121]

Indian Central Cotton Committee: Technological Laboratory. Technological Bulletin, Series B, No. 29: The Chemical Processing of Indian Cotton Materials, Part 1: The Effect of Kier Boiling and Bleaching on the Cuprammonium Fluidity and Strength of Yarns spun from Four Good Quality Indian Cottons. By Nazir Ahmad, M. U. Parmar and K. Venkataraman. Pp. ii+18. (Bombay: Indian Central Cotton Committee.) 8 annas. [121]

India Meteorological Department. Scientific Notes, Vol. 8, No. 95: Forecasting Monsoon Rainfall in Mysore. By V. Doraiswamy Iyer and C. Seshachar. Pp. 117-130. (Delhi: Manager of Publications.) 10 annas; 1s. [121]

Contributions to Embryology. Vol. 29, Nos. 179-186. (Publication No. 525.) Pp. 193+57 plates. (Washington, D.C.: Carnegie Institution.) 4.50 dollars. [121]

Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 141: A Soil Survey of the Waikerie Irrigation Area, South Australia. By R. I. Herriot and E. J. Johnston. Pp. 44. (Melbourne: Government Printer.) [191]

U.S. Office of Education: Federal Security Agency. Bulletin 1940, No. 2: Statistical Summary of Education, 1937-38. Prepared by Emery M. Foster. (Biennial Survey of Education in the United States, Chapter 1.) Pp. ii+40. 10 cents. Bulletin 1941, No. 1: Educational Directory, 1941. Pp. iii+52+52+130+78. Bulletin 1941, No. 3: Weekday Classes in Religious Education conducted on Released School Time for Public-School Pupils. By Mary Dabney Davis. Pp. vi+66. 10 cents. (Washington, D.C.: Government Printing Office.) [201]

Union of South Africa: Department of Agriculture and Forestry. Science Bulletin No. 225 (Botany and Plant Pathology Series No. 2): Some Leaf-Curl Diseases in South Africa: (1) Leaf-Curl Disease of Tobacco, (2) A New 'Petunia'-Strain of Leaf-Curl and a Note on the Occurrence of a Leaf-Curl Disease of Hollyhock. By A. P. D. McClean. Pp. 70. (Pretoria: Government Printer.) 6d. [271]

Ministry of Agriculture, Egypt: Plant Breeding Section. A New Wheat Variety "Mabrook". By Dr. J. Philip. Pp. 5. (Cairo: Government Press.) [271]

Field Museum of Natural History. Botanical Series, Vol. 20, No. 4: Tropical Marine Algae of the Arthur Schott Herbarium. By Prof. William Randolph Taylor. (Publication 509.) Pp. 85-104+2 plates. 15 cents. Geological Series, Vol. 9, No. 1: The Aplodontioidea. By Paul O. McGrew. (Publication 510.) Pp. 30. 15 cents. (Chicago: Field Museum of Natural History.) [271]

Ella Sachs Plotz Foundation for the Advancement of Scientific Investigation. Eighteenth Annual Report, 1941. Pp. 6. (Boston, Mass.: Huntington Memorial Hospital.) [271]

University of Bombay: Department of Chemical Technology. Annual Report, 1940-41. Pp. iv+27. (Bombay: University of Bombay.) [271]

Classified List of Smithsonian Publications available for Distribution, December 1, 1941. Compiled by Helen Munroe. (Publication 3645.) Pp. iv+42. (Washington, D.C.: Smithsonian Institution.) [301]

Proceedings of the United States National Museum. Vol. 90, No. 3107: Revision of the North American Moths of the Family Oecophoridae, with Descriptions of New Genera and Species. By J. F. Gates Clarke. Pp. 33-286+VIII+48 plates. (Washington, D.C.: Government Printing Office.) [301]

U.S. Department of the Interior: Geological Survey. Water-Supply Paper 849-C: Geology and Ground-Water Resources of the Balmorhea Area, Western Texas. By Walter N. White, Hoyt S. Gale and S. Spencer Nye. (Contributions to the Hydrology of the United States, 1940.) Pp. iii+83+146+plate 11. 15 cents. Water-Supply Paper 849-D: Underground Leakage from Artesian Wells in the Las Vegas Area, Nevada. By Penn Livingston. (Contributions to the Hydrology of the United States, 1940.) Pp. iii+147+173+plates 12-17. 10 cents. Water-Supply Paper 866-A: Geology of Dam Sites on the Upper Tributaries of the Columbia River in Idaho and Montana. Part 1: Katka, Tunnel No. 8, and Kootenai Falls Dam Sites, Kootenai River, Idaho and Montana. By C. E. Erdmann. Pp. v+36+7 plates. 25 cents. Water-Supply Paper 868-A: Investigations of Methods and Equipment used in Stream Gaging. Part 1: Performance of current Meters in Water of Shallow Depth. By C. H. Pierce. Pp. iv+35+27 plates. 55 cents. Water-Supply Paper 868-B: Investigations of Methods and Equipment used in Stream Gaging. Part 2: Intakes for Gage Wells. By C. H. Pierce. Pp. iv+37+75+plates 28-31. 15 cents. Water-Supply Paper 871: Surface Water Supply of the United States, 1939. Part 1: North Atlantic Slope Basins. Pp. xiii+603+1 plate. 75 cents. (Washington, D.C.: Government Printing Office.) [22]

Catalogues

Calendar for 1942. (Newcastle-upon-Tyne: C. A. Parsons and Co., Ltd.)

Azozol for the Shock (Convulsive) Treatment of Schizophrenia. Pp. 2. (Nottingham: Boots Pure Drug Co., Ltd.)

A Catalogue of Books and Periodicals on Entomology and General Natural History. (No. 595.) Pp. 32. (London: Bernard Quaritch, Ltd.)

General Catalogue of Books. (Catalogue No. 659.) Pp. 92. (London: Francis Edwards, Ltd.)

The Colorimetric Determination of Oxidation-Reduction Balance, Third edition, revised. Pp. 22. (London: The British Drug Houses, Ltd.)