

## FORTHCOMING EVENTS

[Meeting marked with an asterisk is open to the public.]

Tuesday, May 7

ZOOLOGICAL SOCIETY OF LONDON, at 5 p.m.—Dr. E. L. Taylor: "On Pseudo-rumination in the Rabbit". Dr. J. S. Huxley, F.R.S., and J. Fisher: "Hostility Reactions in Black-headed Gulls".

ROYAL INSTITUTION, at 5.15 p.m.—Sir John Orr, F.R.S.: "National Food Requirements".\*

Wednesday, May 8

INSTITUTE OF METALS (at the Institution of Mechanical Engineers).

At 2 p.m.—Dr. L. Northcott: "The Influence of Alloying Elements on the Crystallization of Copper, Part 2, Large Additions and the part played by the Constitution"; Dr. Maurice Cook and Dr. T. Ll. Richards: "The Structural Changes in Copper affected by Cold Rolling and Annealing"; Dr. Marie L. V. Gayler and R. Parkhouse: "The Ageing of High-Purity 4 per cent Copper-Aluminium Alloy".

At 7 p.m.—Prof. J. D. Cockcroft, F.R.S.: "The Cyclotron and its Applications" (Thirtieth Annual May Lecture).

Thursday, May 9

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 4 p.m.—Prof. E. D. Adrian, F.R.S.: "The Nervous Mechanism of Pain."

INSTITUTION OF ELECTRICAL ENGINEERS, at 6 p.m.—Annual General Meeting.

ASSOCIATION OF TEACHERS IN TECHNICAL INSTITUTIONS (Thirty-first Annual Conference, at the Hotel Russell, Russell Square, London), May 11-12.

May 12, at 10 a.m.—S. H. Moorfield: Presidential Address.

## APPOINTMENTS VACANT

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

LECTURER IN ELECTRICAL ENGINEERING SUBJECTS at the Cardiff Technical College—The Director of Education, City Hall, Cardiff (May 9).

LECTURER IN ENGINEERING—The Principal, County Technical College, Stoke Park, Guildford (May 11).

TEMPORARY CIVIL ENGINEERING ASSISTANTS in the Borough Engineer's Department—The Borough Engineer, Town Hall, West Ham, E.15 (May 11).

ASSISTANT SUPERINTENDENT, Mathematical Instrument Office of the Survey of India, Calcutta—The High Commissioner for India, General Department, India House, Aldwych, W.C.2 (quoting Appointment 290/1C) (May 14).

HEAD OF THE DEPARTMENT OF CHEMISTRY—The Secretary, School of Metalliferous Mining, Camborne, Cornwall (May 15).

CONSTRUCTION ENGINEER for the Irrigation Department of the Government of Ceylon—The Crown Agents for the Colonies, 4 Millbank, S.W.1 (quoting M/9322) (May 17).

A SENIOR LECTURER IN CIVIL ENGINEERING, A LECTURER IN CIVIL AND MECHANICAL ENGINEERING, and a LECTURER IN MECHANICAL ENGINEERING, at the Henry Lester Institute of Technical Education, Shanghai—Viney, Price and Goodyear, Empire House, St. Martin's-le-Grand, E.C.1 (May 18).

PRINCIPAL OF THE WELLINGBOROUGH TECHNICAL INSTITUTE—The Secretary for Education, County Education Offices, Northampton (May 20).

ASSISTANT ENGINEER for the Malayan Public Works Service—The Crown Agents for the Colonies, 4 Millbank, S.W.1 (quoting M/9306).

ASSISTANT ENGINEER to the River Avon (Bristol) Catchment Board—The Clerk and Solicitor to the River Avon Catchment Board, 11 Marsh Street, Bristol 1 (quoting 'Assistant Engineer').

## REPORTS AND OTHER PUBLICATIONS

(not included in the monthly Books Supplement)

## Great Britain and Ireland

Herbage Publication Series. Bulletin 27: The Control of Weeds; a Symposium on the Prevention and Eradication of Weeds on Agricultural Land by Cultural, Chemical and Biological Means. Edited by R. O. Whyte. Pp. 168+26 plates. 7s. 6d. Bulletin 28: Technique of Grassland Experimentation in Scandinavia and Finland; a Symposium on the Technique employed in Pasture Studies, Botanical Analyses, etc. Pp. 52+2 plates. 2s. 6d. Bulletin 29: Grassland Investigations in Australia. Pp. 107. 5s. (Aberystwyth: Imperial Bureau of Pastures and Forage Crops.) [84]

## Other Countries

The Engineering Foundation: a Department of United Engineering Trustees, Inc. Annual Report, October 1, 1938, to September 30, 1939. Pp. 47. (New York: The Engineering Foundation.) [34]

Commonwealth of Australia: Council for Scientific and Industrial Research. Pamphlet No. 93: Studies on the Marketing of Fresh Fish in Eastern Australia. Part 1: Field Observations and Quantitative Bacterial Results. By E. J. Ferguson Wood. (Fisheries Section, Report No. 2.) Pp. 24. (Melbourne: Government Printer.) [34]

Indian Lac Research Institute. Bulletin No. 37: Measurement of Gloss, Transparency and Colour. By N. N. Murty. Pp. 14. 2 annas. Research Note No. 21: Shellac-Casein Moulding Powder. By M. Venugopalan and H. R. Sen. Pp. 4. (Namkum: Indian Lac Research Institute.) [34]

Connecticut Agricultural Experiment Station. Circular 126: Control of the Rosy Apple Aphid in Connecticut Apple Orchards. By Philip Garman. Pp. 16. Circular 127: Soil Testing Methods—The Universal Soil Testing System. By M. F. Morgan. Pp. 16. Circular 128: Control of Tobacco Mildew (Blue Mold) in Seedbeds. By P. J. Anderson. Pp. 6. Circular 129: The Sand Culture of Seedlings and Mature Plants. By A. A. Dunlap. Pp. 12. Circular 130: Control of the European Corn Borer by Sprays and Dusts. By Neely Turner. Pp. 4. Circular 131: Soil Testing in Connecticut. By M. F. Morgan, T. R. Swanback and J. S. Owens. Pp. 8. Circular 132: Control of the Japanese Beetle. By J. Peter Johnson. Pp. 14. Circular 133: Control of European Corn Borers on Dahlias. By Neely Turner. Pp. 4. Circular 134: Control of Termites in Buildings. By Neely Turner and James F. Townsend. Pp. 14. Circular 135: The Law concerning Concentrated Commercial Feeding Stuffs and Regulations pertaining Thereto. Pp. 6. Circular 136: Report on Commercial Insecticides and Fungicides, 1939. By H. J. Fisher. Pp. 10. (New Haven, Conn.: Connecticut Agricultural Experiment Station.) [34]

New South Wales: Department of Mines, Geological Survey. Mineral Resources, No. 37: The Coal Resources of the Southern Portion of the Maitland-Cessnock-Greta Coal District (Northern Coalfield). By Leo J. Jones. Pp. v+225+4 plates. (Sydney: Government Printer.) 9s. [44]

U.S. Department of the Interior: Geological Survey. Water-Supply Paper 854: Surface Water Supply of the United States, 1938. Part 4: St. Lawrence River Basin. Pp. v+149+1 plate. 25 cents. Water-Supply Paper 859: Surface Water Supply of the United States, 1938. Part 9: Colorado River Basin. Pp. vi+285+1 plate. 35 cents. Water-Supply Paper 864: Surface Water Supply of the United States, 1938. Part 14: Pacific Slope Basins in Oregon and Lower Columbia River Basin. Pp. v+184+1 plate. 25 cents. (Washington, D.C.: Government Printing Office.) [44]

Commonwealth of Australia: Council for Scientific and Industrial Research. Handbook of Structural Timber Design. Prepared by Ian Langlands and A. J. Thomas. (Division of Forests Products: Technical Paper No. 32.) Pp. 283. (Melbourne: Government Printer.) [44]

Antarctica. Produced by the Property and Survey Branch, Department of the Interior, Canberra. 2 sheet Map, 60 in. x 40 in., 7s. 6d., including Handbook. 1 sheet Map, 30 in. x 40 in., 5s., including Handbook. Handbook and Index by E. P. Bayliss and J. S. Cumpston to accompany a Map of Antarctica, 1939. Pp. 90. (Canberra: Department of External Affairs.) [44]

Ministry of Public Works: Irrigation Department, Hydraulic Section. Hydraulic Features of the Nile Flood of 1938. Pp. vii+30+17 plates. (Cairo: Government Press.) [54]

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 224: Control of Smut Diseases in Egypt with Special Reference to Sowing Depth and Soil Moisture. By G. Howard Jones and Abd El-Ghani Seif El-Nasr Eff. Pp. iv+46+7 plates. (Cairo: Government Press.) P.T. 6. [54]

India Meteorological Department. Scientific Notes, Vol. 8, No. 84: A Statistical Analysis of the Monthly Rainfalls in the Amraoti District (Berar). By N. Rajagopalan. Pp. 9-16. (Delhi: Manager of Publications.) 5 annas; 6d. [54]

U.S. Department of the Interior: Geological Survey. Bulletin 898-G: Spirit Leveling in Missouri. Part 7: Central Missouri, 1896-1938. Pp. ix+871-1004+xi-xiv+1 plate. 25 cents. Bulletin 898-H: Spirit Leveling in Missouri. Part 8: West-Central Missouri, 1896-1938. Pp. x+1005-1106+xi-xiv+1 plate. 20 cents. Bulletin 900-B: Subsurface Geology and Oil and Gas Resources of Osage County, Oklahoma. Part 2: Townships 22 and 23 North, Ranges 8 and 9 East. By C. T. Kirk, H. D. Jenkins, Otto Leatherock, W. R. Dillard, L. E. Kennedy and N. W. Bass. Pp. iv+47-82+plate 2. 40 cents. Bulletin 900-C: Subsurface Geology and Oil and Gas Resources of Osage County, Oklahoma. Part 3: Townships 24 and 25 North, Ranges 8 and 9 East. By N. W. Bass, L. E. Kennedy, J. N. Conley and J. H. Hengst. Pp. iv+83-129+plate 3. 40 cents. (Washington, D.C.: Government Printing Office.) [84]