

which should include representatives of Government departments, fuel and appliance industries, and town planning, housing, and smoke abatement authorities.

Smokeless central areas should be established in all large towns. Not only should new premises in such areas be smokeless, but also powers should be given to enforce the smokelessness of existing premises. In this way the whole of the most important area of a town could be made completely smokeless.

Town planning schemes in general should include additional measures for ensuring smoke prevention, especially in relation to the zoning of industry and the establishment of special industrial areas or estates. The possibilities of district heating for all types of area should be fully examined and this method adopted wherever it is found to be advantageous. Committees, national, regional and local, concerned with post-war planning, should be assisted in their work by existing regional smoke abatement committees or others experienced in smoke prevention matters.

Support is given to the proposals that have been made in many quarters for the formulation of a comprehensive national fuel policy and for the establishment of a Ministry of Fuel.

It is a commonplace that post-war reconstruction offers great opportunities. So it was thought after the War of 1914-18, when a departmental committee of the Ministry of Health reported on the same question and commented that "the chief factor in the failure to deal with the smoke evil has been the inaction of the central authority"—to which might be added the local authorities. As the memorandum shows, this is a case where technical knowledge is in front of public and official opinion.

## FORTHCOMING EVENTS

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

### Monday, April 27

ROYAL GEOGRAPHICAL SOCIETY (at Kensington Gore, London, S.W.7), at 5 p.m.—Mrs. Stephen Courtauld: "In the Netherlands Indies" (Kodachrome Films).

### Wednesday, April 29

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Mr. R. Fitzmaurice: "The Post-War Home", 10: "Lighting, Heating and Ventilation".

### Thursday, April 30

INSTITUTE OF FUEL (at the Connaught Rooms, Great Queen Street, London, W.C.2), at 2.30 p.m.—Dr. S. G. Ward and Mr. W. J. Morison: "Practical Application of Gas Producers to Road Transport including Passenger Service Vehicles".

ROYAL INSTITUTION OF GREAT BRITAIN (at 21 Albemarle Street, London, W.1), at 5.15 p.m.—Prof. E. J. Salisbury, F.R.S.: "The Weed Problem".\*

### Friday, May 1

GEOLOGISTS' ASSOCIATION (in the Geological Society's Rooms, Burlington House, Piccadilly, London, W.1), at 5.30 p.m.—Prof. V. C. Illing: "Geology Applied to Petroleum".

## APPOINTMENTS VACANT

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

ASSISTANT MASTER (GRADUATE IN ENGINEERING WITH WORKS EXPERIENCE) to be responsible for the teaching of Engineering in the Consett Secondary School and Technical Institute—The Director of Education, Shire Hall, Durham (May 2).

PRINCIPAL OF THE WALKER TECHNICAL COLLEGE, OAKENGATES—The Secretary for Education, County Buildings, Shrewsbury (May 16).

HEAD OF THE CHEMISTRY DEPARTMENT—The Secretary, Robert Gordon's Technical College, Aberdeen (May 30).

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Scientific Proceedings of the Royal Dublin Society. Vol. 22 (N.S.), No. 49: Salmon of the River Erne; Results of the Examination of a Small Collection of Scales and Data. By Arthur E. J. Went. Pp. 471-480. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) 1s. [233]

Geological Survey of Great Britain: England and Wales. Wartime Pamphlet No. 23: Jurassic Iron Ores, Cleveland District. By W. Anderson. Pp. 42. (London: Geological Survey and Museum.) 1s. 8d. [233]

Freshwater Biological Association of the British Empire. Scientific Publication No. 6: The Production of Freshwater Fish for Food. By Dr. T. T. Macan, Dr. C. H. Mortimer and Dr. E. B. Worthington. Pp. 36. (Ambleside: Freshwater Biological Association of the British Empire.) 1s. 6d. [233]

British Electrical and Allied Industries Research Association. Supplement to Reference A/T83: Mechanical Behaviour of Bitumen. By W. Lethersich. Pp. 8. (London: British Electrical and Allied Industries Research Association.) 6s. [243]

Food Value Calculator. (London: Vitamins, Ltd.) 2s. 6d. [253]

Year Book of the Royal Society of Edinburgh, 1940-1941. Pp. 100. (Edinburgh and London: Oliver and Boyd.) 5s. [94]

Ovaltine Research Laboratories. Annual Report (1941). Pp. ii+4. (London: A. Wander, Ltd.) [94]

Proceedings of the Royal Society of Edinburgh. Section A (Mathematical and Physical Sciences). Vol. 61, Part 2, No. 15: On the Estimation of Statistical Parameters. By Dr. A. C. Aitken and Dr. H. Silverstone. Pp. 186-194. (Edinburgh and London: Oliver and Boyd.) 9d. [94]

Colonial Office: Colonial Development and Welfare in the West Indies. Agriculture in the West Indies. Compiled from Documents supplied to the West India Royal Commission, 1938-1939, and other Sources. (Colonial No. 182.) Pp. vi+280+16 plates. (London: H.M. Stationery Office.) 10s. net. [94]

Bulletin of the Advertising Service Guild. Change No. 3: An Inquiry into British War Production, Part 1: People in Production. An Advertising Service Guild Report prepared by Mass-Observation. iv+145 galleys. (London: Advertising Service Guild.) 10s. [104]

### Other Countries

Presidencia del Gobierno: Dirección General del Instituto Geográfico y Catastral. Anuario del Observatorio Astronómico de Madrid para 1942. Pp. 365. (Madrid: Instituto Geográfico.) [233]

India Meteorological Department. Scientific Notes, Vol. 8, No. 98: Forecasting the 'Northeast Monsoon' Rainfall of South Madras. By V. Doraiswamy Iyer. Pp. 147-154. (Delhi: Manager of Publications.) 6 annas; 7d. [14]

U.S. Department of the Interior: Geological Survey. Water-Supply Paper 836-E: Local Overdevelopment of Ground-Water Supplies, with Special Reference to Conditions at Grand Island, Nebraska. By Leland K. Wenzel. Pp. iii+233-281+vi+plates 16-21. 30 cents. Water-Supply Paper 846: Natural Water Loss in Selected Drainage Basins. By G. R. Williams and others. Pp. iv+62+2 plates. 15 cents. Water-Supply Paper 852: Surface Water Supply of the United States, 1938. Part 2: South Atlantic Slope and Eastern Gulf of Mexico Basins. Pp. vi+293+1 plate. 35 cents. Water-Supply Paper 853: Surface Water Supply of the United States, 1938. Part 3: Ohio River Basin. Pp. vii+418+1 plate. 50 cents. Water-Supply Paper 855: Surface Water Supply of the United States, 1938. Part 5: Hudson Bay and Upper Mississippi River Basins. Pp. iv+350+1 plate. 35 cents. Water-Supply Paper 856: Surface Water Supply of the United States, 1938. Part 6: Missouri River Basin. Pp. viii+419+1 plate. 45 cents. Water-Supply Paper 857: Surface Water Supply of the United States, 1938. Part 8: Western Gulf of Mexico Basins. Pp. vii+355+1 plate. 40 cents. Water-Supply Paper 862: Surface Water Supply of the United States, 1938. Part 12: Pacific Slope Basins in Washington and Upper Columbia River Basin. Pp. vi+177+1 plate. 25 cents. Water-Supply Paper 865: Surface Water Supply of Hawaii, July 1, 1937, to June 30, 1938. Pp. iv+122. 20 cents. Water-Supply Paper 867: Hurricane Floods of September 1938. Pp. iv+562+20 plates. 1.25 dollars. Water-Supply Paper 886: Water Levels and Artesian Pressure in Observation Wells in the United States in 1939. By O. E. Meinzer and L. K. Wenzel and others. Pp. v+933. 1 dollar. (Washington, D.C.: Government Printing Office.) [74]

Records of the Geological Survey of India. Vol. 76, Bulletins of Economic Minerals, No. 8: Clay. By Dr. H. Crookshank. Pp. 22. (Calcutta: Geological Survey of India.) 6 annas; 7d. [94]

Erosion in the Cultivated Uplands of the North Punjab and its Cure. By H. M. Glover. Pp. 4+7 plates. (Lahore: Government Printing Office.) [94]

Proceedings of the United States National Museum. Vol. 92, No 3133: Notes on Two Genera of American Flies of the Family Trypetidae. By John R. Malloch. Pp. 20. (Washington, D.C.: Government Printing Office.) [94]

Smithsonian Miscellaneous Collections. Vol. 101, No. 10: Fauna Content of the Maryville Formation. By Charles E. Resser. (Publication 8676.) Pp. ii+8. (Washington, D.C.: Smithsonian Institution.) [94]

Smithsonian Institution: United States National Museum. Report on the Progress and Condition of the United States National Museum for the Year ended June 30, 1941. Pp. iii+118. (Washington, D.C.: Government Printing Office.) 20 cents. [94]

U.S. Department of Agriculture. Leaflet No. 212: The Sand Wireworm. By J. N. Tenhet. Pp. 8. 5 cents. Miscellaneous Publication No. 461: Revision of the Bark Beetles belonging to the Genus *Pseudohylesinus* Swaine. By M. W. Blackman. Pp. 32. n.p. (Washington, D.C. Government Printing Office.) [94]