

## Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

### Monday, November 1

INSTITUTION OF ELECTRICAL ENGINEERS (MERSEY AND NORTH WALES (LIVERPOOL) CENTRE), at 7.—Prof. J. Chadwick, F.R.S.: "The Elementary Particles of Matter" (Kelvin Lecture).

### Tuesday, November 2

CHADWICK PUBLIC LECTURE (at Manson House, 26 Portland Place, W.1), at 5.30.—Dr. J. M. H. MacLeod: "Leoprosy in Great Britain at the Present Time" (Malcolm Morris Memorial Lecture).\*

INSTITUTION OF CIVIL ENGINEERS, at 6.—S. B. Donkin: Presidential Address.

### Thursday, November 4

INSTITUTE OF FUEL (at the Junior Institution of Engineers, 39 Victoria Street, S.W.1), at 6.—Symposium on "Waste Heat Boilers".

### Friday, November 5

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Dr. F. W. Lanchester, F.R.S.: "The Gas Engine and After" (Thomas Hawksley Lecture).

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS, at 7.—Dr. G. S. Baker: "Development of Hull Form of Merchant Vessels" (Andrew Laing Lecture).

INSTITUTION OF GAS ENGINEERS, November 2-3.—Ninth Annual Research Meeting to be held at the Institution of Mechanical Engineers.

## Appointments Vacant

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

TEACHER OF ELECTRICAL ENGINEERING in the Norwich Technical College—The Principal (November 3).

CHEMIST (male) at the Royal Ordnance Factory, Irvine—The Under-Secretary of State (C.5), The War Office, London, S.W.1 (November 5).

SCIENTIFIC OFFICER (chemistry), SCIENTIFIC OFFICER (physics), ASSISTANT (grade I, male), and ASSISTANT (grade III, female) in the Research Department, Woolwich, London, S.E.18—The Chief Superintendent (November 5).

PRINCIPAL of the St. Helen's Education Committee—The Director of Education, Education Office, St. Helen's (November 6).

LECTURER IN ELECTRICAL ENGINEERING in the Forest of Dean Mining and Technical School—The Secretary, County Education Office, Shire Hall, Gloucester (November 8).

ASSISTANT LECTURER AND DEMONSTRATOR IN CHEMISTRY in the King's College of Household and Social Science, Campden Hill Road, London, W.8—The Secretary (November 8).

LECTURER IN PHYSICS in the West Ham Municipal College, Romford Road, London, E.15—The Principal (November 10).

PROFESSOR OF MECHANICAL ENGINEERING in the Bengal Engineering College—The High Commissioner for India, General Department, India House, Aldwych, London, W.C.2 (November 12).

ASSISTANTS (grade III) in the Admiralty Chemical Pool—The Secretary of the Admiralty (C.E. Branch) (November 13).

PROFESSOR OF BOTANY in the University of Melbourne—The Secretary, Universities Bureau of the British Empire, 88A, Gower Street, London, W.C.1 (November 30).

ELECTRICAL ENGINEER in the Copper Development Association, Thames House, Millbank, London, S.W.1—The General Manager.

LIBRARIAN in the University of Liverpool—The Registrar.

British Museum and British Museum (Natural History). Annual Report of the General Progress of the Museums for the Year 1936; with a Return of the Number of Persons admitted to the Museums and a Statement of the Principal Objects added to the Collection. Pp. 24. (London: H.M. Stationery Office.) 4d. net. [1510]

Universities Bureau of the British Empire. Report of the Executive Council together with the Accounts of the Bureau for the Year 1st August 1936 to 31st July 1937. Pp. 24. (London: Universities Bureau of the British Empire.) [1610]

### Other Countries

Annales de l'Institut de Physique du Globe de l'Université de Paris et du Bureau central de Magnétisme terrestre. Publiées par les soins de Prof. Ch. Maurain. Tome 15. Pp. iii+193. (Paris: Les Presses universitaires de France.) [1210]

Ministère de l'Éducation nationale; Université de Paris, Faculté des Sciences; Institut de Physique du Globe. L'Observatoire géophysique de Chambon-la-Forêt. Pp. 20. (Paris: Imprimerie Gauthier-Villars.) [1210]

Indian Lac Research Institute. Bulletin No. 27: A Technical Process for Washing and Refining Stick Lac. By A. K. Thakur. Pp. 13+2 plates. (Nankum: Indian Lac Research Institute.) 3 annas. [1310]

Bulletin of the American Museum of Natural History. Vol. 73, Art. 8: Skull Structure of the Multituberculata. By George Gaylord Simpson. Pp. 727-763. (New York: American Museum of Natural History.) [1310]

Bulletin of the Bingham Oceanographic Collection. Vol. 6, Art. 3: Report on Hydrographic Observations at a Series of Anchor Stations across the Straits of Florida. By Albert Eide Parr. Pp. 62. (New Haven, Conn.: Yale University.) [1310]

Royal Agricultural Society, Cairo. Technical Bulletin No. 31: Experiments in Egypt on the Interaction of Factors in Crop Growth. 7: The Influence of Manuring on the Development of the Cotton Crop. By Dr. Frank Crowther. Pp. 70. Technical Bulletin No. 32: Experiments in Egypt on the Interaction of Factors in Crop Growth. 8: Manuring of Cotton in Egypt. By Dr. Frank Crowther, Adolf Tomforde and Ahmed Mahmoud. Pp. 38. (Cairo: Royal Agricultural Society.) [1310]

Bulletin of the National Research Council. No. 100: An Experimental Study of the Problem of Mitogenetic Radiation. By Alexander Hollaender and Walter D. Claus. Pp. 96+4 plates. (Washington, D.C.: National Research Council.) 1 dollar. [1410]

U.S. Department of Agriculture. Circular No. 439: Parasitization of the Mediterranean Fruitfly in Hawaii, 1914-33. By H. F. Willard and A. C. Mason. Pp. 18. 5 cents. Picture Sheet No. 1: Tomato-Hookworms. Pp. 2. 5 cents. Picture Sheet No. 2: Mexican Bean Beetle. Pp. 2. 5 cents. Picture Sheet No. 3: Colorado Potato Beetle. Pp. 2. 5 cents. (Washington, D.C.: Government Printing Office.) [1410]

Brooklyn Botanic Garden Record. Vol. 26, No. 3: Botanic Gardens of the World; Materials for a History. Pp. 149-354. (Brooklyn, N.Y.: Brooklyn Institute of Arts and Sciences.) 2 dollars. [1510]

Mémoires du Musée Royal d'Histoire Naturelle de Belgique. Mémoire No. 79: Les fossiles du Jurassique de la Belgique avec description stratigraphique de chaque étage. Par Prof. Henry Joly. Pp. 246+3 plates. Deuxième partie: Lias inférieur. Mémoire No. 80: The Crocodile of Maransart (*Dollosuchus dixoni* Owen). By W. E. Swinton. Pp. 46+1 plate. Deuxième Série, Fasc. 8: Limidés jurassiques de l'est du bassin de Paris. Par Dr. Colette Dechaseaux. Pp. 58+3 plates. Deuxième Série, Fasc. 10: The Anatomy of some Protobranch Mollusks. By Prof. Harold Heath. Pp. 26+10 plates. Deuxième Série, Fasc. 11: Revision des Onitides. Par André Janssens. Pp. 200+2 plates. Hors Série: Résultats scientifiques du voyage aux Indes orientales Néerlandaises de LL. AA. RR. le Prince et la Princesse Léopold de Belgique. Vol. 5: Vertébrés. Fascicule 4: Oiseaux, par Ch. Dupond; Säugetiere, von E. Schwarz. Pp. 72+3 plates. (Bruxelles: Musée Royal d'Histoire Naturelle de Belgique.) [1510]

U.S. Department of Agriculture. Farmers' Bulletin No. 1780: How to Fight the Chinch Bug. By C. M. Packard and Curtis Benton. Pp. ii+22. (Washington, D.C.: Government Printing Office.) 5 cents. [1510]

National Research Council of Canada. Moisture on Windows. By R. Ruedy. Pp. 8. (Ottawa: National Research Council.) [1510]

State of Illinois: Department of Registration and Education: Division of the Natural History Survey. Bulletin, Vol. 21, Article 3: Studies of Nearctic Aquatic Insects. 1: Nearctic Alder Flies of the Genus *Sialis* (Megaloptera, Sialidae), by H. H. Ross; 2: Descriptions of Plecoptera, by T. H. Frison. Pp. 53-99. (Urbana, Ill.: Illinois State Natural History Survey.) [1510]

Meddelanden från Statens Skögsförsöksanstalt. Häfte 30, 1937. Pp. iv+716. (Experimentalfältet: Statens Skögsförsöksanstalt.) 12.00 kr. [1610]

Astographic Catalogue 1900-0. Sydney Section, Dec. -51° to -65°, from Photographs taken at the Sydney Observatory, New South Wales, Australia. Vol. 15: R.A. 12h to 18h, Dec. -54° to -56°, Plate centres Dec. -55°. Pp. 64. Vol. 16: R.A. 18h to 24h, Dec. -54° to -56°, Plate centres Dec. -55°. Pp. 32. (Sydney: Government Printer.) [1610]

## Official Publications Received

### Great Britain and Ireland

Sale of Food and Drugs. Extracts from the Annual Report of the Ministry of Health for 1936-37 and Abstract of Reports of Public Analysts for the Year 1936. Pp. 16. (London: H.M. Stationery Office.) 4d. net. [1410]

Bacon Development Board (Research Department). Report No. 7: Selected Abstracts on Pig Production made during the Year ending June 30th, 1937. Pp. lxi. (London: Bacon Development Board.) 2s. 6d. [1510]

### Catalogues, etc.

Apparatus for the Testing and Analysis of Oil, Tar and their Products. (Catalogue No. 15B, Section X.) Pp. iv+108. (London: Griffin and Tatlock, Ltd.)

Mandecal (Compound Calcium Mandelate B.D.H.) in the Treatment of Urinary Infections. Pp. 8. (London: British Drug Houses, Ltd.)

Instruments for the Measurement of High Vacua. (Mes. 1.) Pp. 8. (London: W. Edwards and Co.)

Numismatik; Bücher, Abhandlungen, Zeitschriften. (Antiquariats-katalog Nr. 714.) Pp. 136. (Leipzig: Gustav Fock, G.m.b.H.)