

Forthcoming Events

Wednesday, January 6

INSTITUTE OF WIRELESS TECHNOLOGY (LONDON AND HOME COUNTIES SECTION).—H. J. Barton Chapple: "High Definition Television".

Thursday, January 7

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—B. J. Goodlet: "Lightning".

Friday, January 8

ROYAL SOCIETY OF ARTS, at 3.—Prof. G. T. R. Hill: "How We Fly" (Dr. Mann Juvenile Lectures. Succeding lecture on January 13).

Saturday, January 9

BRITISH ECOLOGICAL SOCIETY, at 10.30.—Annual General Meeting to be held at University College, Gower Street, London, W.C.1.

Dr. W. H. Pearsall: "The Soil Complex in Relation to Plant Communities" (Presidential Address).

CONFERENCE OF EDUCATIONAL ASSOCIATIONS, January 4–11.—Twenty-fifth Annual Conference to be held in University College, Gower Street, London, W.C.1.

January 5, at 5 p.m.—The Right Hon. W. Ormsby-Gore: "Some Educational Problems of our Colonial Empire" (Presidential Address).

MATHEMATICAL ASSOCIATION, January 4–5.—Annual meeting to be held in the Institute of Education, Southampton Row, London, W.C.1.

January 4, at 3.15.—Prof. A. R. Forsyth, F.R.S.: "Applied Mathematics in School Training: Some General Considerations" (Presidential Address).

PHYSICAL SOCIETY, January 5–7.—Annual Exhibition to be held at the Imperial College of Science, South Kensington, S.W.7.

January 5.—Sir James Swinburne: "Electrical Measurements in the 'Eighties, particularly those associated with Ayrton and Perry".

January 6.—Dr. Harry Moore: "The Influence of Industrial Research on the Development of Scientific Instruments".

SCIENCE MASTERS' ASSOCIATION, January 5–8.—Annual Meeting to be held at the University of Manchester.

Dr. J. S. B. Stopford, F.R.S.: "Aims of Biology in Education" (Presidential Address).

CONFERENCE ON MECHANIZED FARMING, January 5–8.—To be held at Rhodes House, Oxford.

GEOGRAPHICAL ASSOCIATION, January 5–7.—Annual Conference to be held at the London School of Economics, Houghton Street, Aldwych, London, W.C.2.

January 7, at 10.—Sir Josiah Stamp: "Geography and Economic Theory" (Presidential Address).

Appointments Vacant

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

PROFESSOR OF PHYSICAL CHEMISTRY in the University of Cambridge—The Vice-Chancellor (January 30).

UNIVERSITY DEMONSTRATOR IN PATHOLOGY in the University of Cambridge—Dr. F. J. W. Roughton, Physiological Laboratory (March 1).

Official Publications Received

Great Britain and Ireland

Sale of Food and Drugs: Extracts from the Annual Report of the Ministry of Health for 1935–36 and Abstract of Reports of Public Analysts for the Year 1935. Pp. 16. (London: H.M. Stationery Office.) 3d. net. [1412]

ULAWS (The University of London Animal Welfare Society). Tenth Annual Report, 1st October 1935 to 31st July 1936. Pp. 48. (London: The University Union.) [1412]

An Experiment in Co-operative Research in the Cotton and other Textile Industries. By Dr. Robert H. Pickard. (Eighth Gluckstein Memorial Lecture, 1936.) Pp. 19. A Chapter in the Chemistry of Essential Oils. By Prof. John Read. (Nineteenth Streetfield Memorial Lecture, 1936.) Pp. 34. (London: Institute of Chemistry.) [1412]

University College of Wales, Aberystwyth. Survey of the Work of the Agricultural Departments, submitted to the Court of Governors of the College on 21st October 1936. Pp. 135. (Aberystwyth: University College of Wales.) [1512]

Other Countries

Svenska Hydrografisk-Biologiska Kommissionens Skrifter. Ny Serie, Hydrografi 12: Interne Wellen im Kattegatt. Von Börje Kullenberg. Pp. 17. Ny Serie, Hydrografi 13: Untersuchungen von Trägheitsströmungen in der Ostsee. Von T. Gustafson und B. Kullenberg. Pp. 28. Svenska Hydrografisk-Biologiska Kommissionens Fyrskapsundersökning. År 1933. Pp. 45. (Gåseberg: Svenska Hydrografisk-Biologiska Kommissionen.) [1412]

Bulletin of the Central Meteorological Observatory of Japan. Vol. 5, No. 2: The Second Polar Year Report, No. 2: Magnetic Observations at Toyohara. Pp. iii+170+28 plates. (Tokyo: Central Meteorological Observatory.) [1412]

Journal of the Faculty of Agriculture, Hokkaido Imperial University. Vol. 39, Part 3: Studies on the Young Fruit-Rot of Apple-Tree. By Yoshichika Shima. Pp. 143–270+plates 3–9. (Tokyo: Maruzen Co., Ltd.) [1412]

Report of the Institute of Scientific Research, Manchoukuo. Vol. 1, No. 1: *Ostercicum* and *Angelica* from Manchuria and Korea. By Masao Kitagawa. Pp. 28+10+3 plates. Vol. 1, No. 2: Studies on Mongolian Sheep Wool, I. By Dr. Michio Saito. Pp. 29–62+11–17. (Hsinking: Institute of Scientific Research.) [1412]

Publikace Pražské Státní Hvězdárny. No. 9: Observations photographiques de la planète Eros en 1931. Par V. Nechvíle, en collaboration avec V. Guth, J. Štěpánek et feu J. Kaván. Pp. 10. No. 10: Sur les méthodes de réduction des observations astrophotographiques et le calcul des positions d'Eros en 1931. Par V. Nechvíle. Pp. 34. (Prague: Pražské Státní Hvězdárny.) [1512]

U.S. Department of Agriculture. Circular No. 409: The Effect of Thallium on Plant Growth. By E. E. Horn, Justus E. Ward, James C. Munch and F. E. Garlough. Pp. 8. (Washington, D.C.: Government Printing Office.) 5 cents. [1612]

Bulletin of the Experiment Station of the Hawaiian Sugar Planters' Association. Agricultural and Chemical Series, Bulletin No. 50: Soil and Plant Material Analyses by Rapid Chemical Methods. By Francis E. Hance. Pp. 187–300. (Honolulu: Hawaiian Sugar Planters' Association.) [1612]

Cornell University: Agricultural Experiment Station. Bulletin 652: Storage and Germination of Seeds of Aquatic Plants. By W. C. Muenscher. Pp. 17. Bulletin 653: Soils in relation to Fruit Growing in New York. Part 9: Tree Behavior on Important Soil Profiles in the Newfane-Olcott Area, Niagara County. By Joseph Oskamp. Pp. 20. Bulletin 656: Use and Value of Highways in Rural New York. By W. M. Curtiss. Pp. 30. Bulletin 657: Local Government in Tompkins County, New York. By T. N. Hurd. Pp. 44. Bulletin 658: Variations in Town Taxes in New York. By M. P. Catherwood. Pp. 44. Bulletin 659: Receipts and Expenditures of 876 New York Towns in 1934. By M. P. Catherwood. Pp. 50. Bulletin 660: The Vitamin-G Requirement of Poultry. By L. C. Norris, H. S. Wilgus, Jr., A. T. Ringrose, Victor Heiman and G. F. Heuser. Memoir 190: Some Factors influencing Growth and Fruit-Setting in the Pepper (*Capsicum frutescens* L.). By H. L. Cochran. Pp. 39. Memoir 191: Effect of Relative Humidity on the Growth of Mold on Eggs in Storage. By Paul F. Sharp and George F. Stewart. Pp. 12. (Ithaca, N.Y.: Cornell University.) [1612]

Zoologica. Vol. 20, No. 3: Deep-Sea Fishes of the Bermuda Oceanographic Expeditions. No. 3: Family Serrivomeridae. By William Beebe and Jocelyn Crane. Pp. 53–102. (New York: New York Zoological Society.) [1612]

Catalogues, etc.

Neue Bücher für naturwissenschaftlich Gebildete. Pp. 16. (Jena: Gustav Fischer.)

Calendar for 1937. (London: British Museum (Natural History).) Modern Gas Equipment for Laboratories. (GT 1167.) Pp. 12. Toxic Gases Detection Apparatus. (GT 1165.) Pp. 2. (London: Griffin and Tatlock, Ltd.)

A Catalogue of Rare and Valuable Works. (No. 528.) Pp. 160. (London: Bernard Quaritch, Ltd.)

The Wild-Barfield Heat-Treatment Journal. Vol. 2, No. 11, December. Pp. 31–44+iv. (London: Wild-Barfield Electric Furnaces, Ltd.) Caxton Head Bulletin No. 20. Pp. 30. (London: James Tregaskis and Son.)

Catalogue of Watson Microscopes. Parts 1 and 2: Microscopes and Accessories for all the Biological Sciences. Thirty-sixth edition. Pp. 260. (London: W. Watson and Sons, Ltd.)

Calendar for 1937. (London: The Chemical Trade Journal.)