

Forthcoming Events

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

Tuesday, March 21

ROYAL COLLEGE OF PHYSICIANS, at 5.—Prof. J. A. Gunn : "The Pharmacological Actions and Therapeutic Uses of some Compounds related to Adrenaline" (Oliver-Sharpey Lectures. Succeeding lecture on March 23).

Friday, March 24

GEOPHYSICAL DISCUSSION (at the Royal Astronomical Society) at 4.30.—"Recent Geophysical Investigations at Sea" (to be opened by Dr. E. C. Bullard).

PHYSICAL SOCIETY (at the Imperial College of Science and Technology), at 5.15.—Brigadier M. N. MacLeod : "Some Recent Developments in British Surveying Instruments" (Thomas Young Oration).*

INSTITUTE OF PHYSICS, March 23–25.—Conference on "Physics in the Textile Industries" to be held in the University of Leeds.

Appointments Vacant

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

ASSISTANT (grade II) in the Balloon Development Establishment, Cardington—The Under-Secretary of State, Air Ministry (S.2.D), Berkeley Square House, W.1 (March 24).

JACKSONIAN PROFESSOR OF NATURAL PHILOSOPHY in the University of Cambridge—The Vice-Chancellor (April 11).

LECTURER IN PHYSICS in the Battersea Polytechnic, London, S.W.11—The Principal (April 21).

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Association of Technical Institutions : Association of Principals of Technical Institutions. Report of the Joint Committee on the Application of Psychological Tests in Technical Institutions. Pp. 20. Libraries in Technical Institutions. Report by a Joint Committee. Pp. 64. (Loughborough : Loughborough College.) [162]

Carnegie Trust for the Universities of Scotland. Thirty-seventh Annual Report (for the Year 1937–38) submitted by the Executive Committee to the Trustees on 15th February 1939. Pp. iv+208. (Edinburgh : Carnegie Trust for the Universities of Scotland.) [172]

The Journal of the Institute of Metals. Vol. 63 (No. 2, 1938). Edited by S. C. Guillan. Pp. 314+29 plates. (London : Institute of Metals.) 31s. 6d. net. [172]

University of Oxford : Bureau of Animal Population. Annual Report, 1937–38. Pp. 36. (Oxford : University of Oxford.) [202]

Empire Cotton Growing Corporation. The Work of the Experiment Stations, Season 1937–38 ; an Explanatory Review. By W. Nowell and Dr. J. W. Munro. Pp. 30. (London : Empire Cotton Growing Corporation.) 1s. 6d. [212]

Abstracts of Dissertations approved for the Ph.D., M.Sc. and M.Litt. Degrees in the University of Cambridge during the Academic Year 1937–1938. Pp. 152. (Cambridge : At the University Press.) [212]

Other Countries

Smithsonian Institution : U.S. National Museum. Report on the Progress and Condition of the United States National Museum for the Year ended June 30, 1938. Pp. iii+121. (Washington, D.C. : Government Printing Office.) 20 cents. [162]

U.S. Department of the Interior : Office of Education. Leaflet No. 31 : Government Publications of use to Teachers of Geography and Science. Pp. 16. (Washington, D.C. : Government Printing Office.) 10 cents. [162]

U.S. Department of Agriculture. Circular No. 504 : Early Winter Food of Ruffed Grouse on the George Washington National Forest. By A. L. Melson, Talbott E. Clarke and W. W. Bailey. Pp. 38. 5 cents. Technical Bulletin No. 642 : The Field Cricket in relation to the Cotton Plant in Louisiana. By J. W. Folsom and P. A. Woke. Pp. 28. (Washington, D.C. : Government Printing Office.) [162]

Smithsonian Miscellaneous Collections. Vol. 98, No. 1 : Two Remarkable New Species of Marine Shells from Florida. By Paul Bartsch. (Publication 3524.) Pp. 4+1 plate. (Washington, D.C. : Government Printing Office.) [162]

Transactions of the New York Academy of Sciences. Ser. 2, Vol. 1, No. 3 : The Late Physical History of the Rocky Mountains in the United States. By Dr. Wallace W. Atwood. Pp. 29–52. (New York : New York Academy of Sciences.) [162]

Proceedings of the Academy of Natural Sciences of Philadelphia. Vol. 90. Zoological Results of the Second Dolan Expedition to Western China and Eastern Tibet, 1934–1936. Part 1 : Introduction. By Brooke Dolan, II. Pp. 159–184+plates 12–20. Zoological Results of the Second Dolan Expedition to Western China and Eastern Tibet, 1934–1936. Part 2 : Birds. By Ernst Schäfer and Rodolphe Meyer de Schauensee. Pp. 185–260. Zoological Results of the Second Dolan Expedition to Western China and Eastern Tibet, 1934–1936. Part 3 : Mammals. By Glover M. Allen. Pp. 261–294+plates 21–24. A New Rodent of the Genus *Rheomys* from Chiriquí. By Robert K. Enders. Pp. 295–296. (Philadelphia, Pa. : Academy of Natural Sciences.) [162]

Transactions of the Academy of St. Louis. Vol. 29, No. 4 : Geological Aspects of Evolution. By Victor T. Allen. Pp. 89–106. (St. Louis, Mo. : Washington University.) [172]

Journal of the Faculty of Agriculture, Hokkaido Imperial University. Vol. 40, Part 3 : Structure and Function of the Female Genital System of *Bombyx mori* with Special Reference to the Mechanism of Fertilisation ; Studies on the Reproductive System of the Male of *Bombyx mori*, 2 : Post-Testicular Organs and Post-Testicular Behaviour of the Spermatozoa. By Seinosuke Omura. Pp. 111–170+6 plates. (Tokyo : Maruzen Co., Ltd.) [172]

Annual Report of the Director of the Japan Institute for Science of Labour for 1937. By Dr. G. Teruoka. Pp. 37. (Tokyo : Japan Institute for Science of Labour.) 70 sen. [202]

Meddelande från Lunds Astronomiska Observatorium. Ser. 2, No. 103 : Studies of Irregular Variable Stars. By Frida Palmér. Pp. 168. Ser. 1, No. 136 : On the Influence of the Major Planets on the Meteorite Tracks and a Criticism of the Meteorite Hypothesis of the Sunspot Periodicity. By Conrad Lönnquist. Pp. 12. (Lund : Astronomiska Observatorium.) [202]

Indian Central Cotton Committee : Technological Laboratory. Technological Bulletin, Series A, No. 46 : Technological Reports on Trade Varieties of Indian Cottons, 1938. By Dr. Nazir Ahmad. Pp. v+150. (Bombay : Indian Central Cotton Committee.) 1.8 rupees. [202]

Bergens Museum. Årsberetning, 1937–38. Pp. 114. (Bergen : A/S John Griegs Boktrykkeri.) [202]

Field Museum of Natural History. Geological Series, Vol. 7, No. 4 : Additional Notes on the Grinnell Ice-Cap. By Sharat K. Roy. Pp. 59–70. 20 cents. Zoological Series, Vol. 20, No. 35 : A New Woodrat from Mexico. By Wilfred H. Osgood. Pp. 475–476. 10 cents. Zoological Series, Vol. 20, No. 36 : A New Pigeon from Colombia. By H. B. Conover. Pp. 477–478. 10 cents. Zoological Series, Vol. 20, No. 37 : A New Wood Owl from Chile. By Leslie Wheeler. Pp. 479–482. 10 cents. (Chicago : Field Museum of Natural History.) [202]

Indian Forest Records (New Series). Utilization, Vol. 1, No. 7 : Official List of Trade Names of Indian Timbers. Revised third edition. Pp. iii+189–210. (Delhi : Manager of Publications.) 8 annas ; 9d. [202]

Journal of the Indian Institute of Science. Vol. 21A, Part 18 : Electrometric Titration of Tannic Acids. Part 1 : Electrometric Titration of Ellagic, Ellagitanic and Chebulinic Acids. By S. R. Sunthanker and S. K. K. Jatkar. Pp. 189–208. 1.8 rupees. Vol. 21A, Part 19 : Electrometric Titration of Tannic Acids. Part 2 : Electrometric Titration of Gallic and Gallotannic Acids. By S. R. Sunthanker and S. K. K. Jatkar. Pp. 209–222. 1.2 rupees. Vol. 21A, Part 20 : Equilibrium in Electrodeless Discharge. Part 5 : Equilibrium in the Dissociation of Oxygen and in the Formation of Ozone in Silent Electric Discharge. By R. Krishnan and S. K. K. Jatkar. Pp. 223–236. 1.2 rupees. Vol. 21A, Part 21 : Adsorption of Gelatin by Precipitated Hydroxides. By J. G. Kane. Pp. 237–244. 12 annas. Vol. 21A, Part 22 : Supersonic Velocity in Gases and Vapours. Part 1 : Aberrations of Supersonic Interferometers in Gases. By S. K. Kulkarni Jatkar. Pp. 245–272. 2 rupees. Vol. 21A, Part 23 : Reactions of Chromates at High Temperatures. Part 7 : Decomposition of Barium Chromate, and of Mixtures of Barium Chromate with Barium Carbonate. By V. T. Athavale and S. K. K. Jatkar. Pp. 273–284. 1 rupee. (Bangalore : Indian Institute of Science.) [202]

Commonwealth of Australia : Council for Scientific and Industrial Research. Bulletin No. 123 : A Soil Survey of the Merbein Irrigation District, Victoria. By F. Penman, J. K. Taylor, P. D. Hooper and T. J. Marshall. Pp. 44. Bulletin No. 124 : The Wood Anatomy of some Australian Meliaceae with Methods for their Identification. By H. E. Dadsell and Dorothea J. Ellis. (Division of Forest Products, Technical Paper No. 31.) Pp. 20+6 plates. (Melbourne : Government Printer.) [202]

Canada : Department of Mines and Resources, Mines and Geology Branch : Bureau of Mines. Petroleum Fuels in Canada : Deliveries for Consumption, Calendar Year 1937. Prepared by John M. Casey. (No. 794.) Pp. ii+20. (Ottawa : King's Printer.) 10 cents. [202]

Imperial Council of Agricultural Research. Miscellaneous Bulletin No. 15 : Milk Records of Cattle in Approved Dairy Farms in India. Compiled by K. P. R. Kartha. Pp. vi+175. (Delhi : Manager of Publications.) 2.12 rupees ; 4s. 6d. [202]

Union Géodésique et Géophysique Internationale. Sixième Assemblée générale, Edimbourg, Septembre 1936. Procès-verbaux des séances de l'Association de Météorologie. 2 : Mémoires et discussions. Pp. 331. (Paris : Union Géodésique et Géophysique Internationale.) [202]

Mémoires du Musée Royal d'Histoire Naturelle de Belgique. Mémoire No. 85 : Faune malacologique des Sables de Wemmel. 2 : Gastropodes, Scaphopodes, Céphalopodes. Par Maxime Gilbert. Pp. 192+4 plates. Deuxième Série. Fasc. 14 : Oligocene Arcid Pelecypods of the Genus *Anadara*. By Hubert G. Schenck and Philip W. Reinhart. Pp. 74+6 plates. Hors Série. Résultats scientifiques du voyage aux Indes Orientales Néerlandaises de LL. AA. RR. le Prince et la Princesse Léopold de Belgique. Vol. 3, Fasc. 19 : Araneae. Von C. Fr. Roewer. Pp. 94. (Bruxelles : Musée Royal d'Histoire Naturelle.) [202]

Tanganyika Territory : Department of Lands and Mines, Geological Division. Bulletin No. 11 : Explanation of the Geology of Degree Sheet No. 29 (Singida). By N. W. Fades and W. H. Reeve. Pp. 62+8 plates. (Dar es Salaam : Government Printer.) 4s. [212]