

Forthcoming Events

Thursday, April 7

BRITISH MEDICAL ASSOCIATION, at 8.—Dr. H. Crichton-Miller: "Mental Health as a National Problem" (Sir Charles Hastings lecture).

INSTITUTION OF NAVAL ARCHITECTS, April 6-8.—Annual meeting to be held at the Royal Society of Arts, John Street, Adelphi, W.C.2.

Appointments Vacant

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

PROFESSOR OF EDUCATION in the University of Cambridge—The Vice-Chancellor (April 18).

LECTURER IN HYGIENE AND BIOLOGY in the Avery Hill Training College, London, S.E.9—The Education Officer (H.2/1), County Hall, London, S.E.1 (April 30).

UNIVERSITY LECTURER IN GEOGRAPHY in the University of Cambridge—Dr. F. C. Phillips, Department of Mineralogy and Petrology, Cambridge (April 30).

UNIVERSITY READER IN MATHEMATICS in the Imperial College, Royal College of Science—The Academic Registrar, University of London, Senate House, London, W.C.1 (May 2).

DEMONSTRATOR AND ASSISTANT LECTURER IN CHEMISTRY in the Royal Holloway College, Englefield Green, Surrey—The Principal (May 7).

JUNIOR LECTURER IN METALLURGY in the University of the Witwatersrand—The Secretary, Office of the High Commissioner for the Union of South Africa, South Africa House, Trafalgar Square, W.C.2 (May 31).

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 57: Conidia from Infected Bud-Scales and Adjacent Wood as a Main Source of Primary Infection with the Apple Scab Fungus *Venturia Inaequalis* (Cooke). By R. McKay. Pp. 623-640+19 plates. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 2s. [93]

Board of Education: Science Museum. One Hundred Years of Transatlantic Steam Navigation, 1838-1938: a Brief Outline of the History and Development of the Atlantic Ferry since the Advent of the Steamship, as illustrated by a Special Exhibition at the Science Museum. By H. P. Spratt. Pp. 24+3 plates. (London: H.M. Stationery Office.) 6d. net. [93]

National Physical Laboratory. Notation for Piezo-electric Quartz. Pp. 10. (London: H.M. Stationery Office.) 3d. net. [93]

Student Health: the Report of an Inquiry into University Health Services by the National Union of Students. Pp. 104. (London: National Union of Students.) [93]

University of Sheffield. Report on Research Work carried out in the Departments of Mining and Fuel Technology during the Session 1936-1937. Pp. 20. (Sheffield: The University.) [103]

Proceedings of the Royal Irish Academy. Vol. 44, Section A, No. 5: On the Uncertainty Relations in the Measurement of Space-Time. By R. W. Ditchburn and H. Motz. Pp. 45-76. 1s. Vol. 44, Section A, No. 6: The Creation of Electron Pairs by Nuclear Capture of Neutrons. By H. S. W. Massey. Pp. 77-86. 1s. Vol. 44, Section A, No. 7: Negative Ions in Discharge Tubes. By K. G. Emelius and J. Sayers. Pp. 87-100. 1s. Vol. 44, Section A, No. 8: On Functions of Quaternions. By Dr. V. C. A. Ferraro. Pp. 101-108. n.p. Vol. 44, Section B, No. 5: The Geology of the Rathmullan District, Co. Donegal. By William J. McCallien. Pp. 45-60+3 plates. 1s. 6d. Vol. 44, Section B, No. 6: The Mammals of Ireland. By C. B. Moffat. Pp. 61-128. 2s. 6d. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) [143]

Economic Proceedings of the Royal Dublin Society. Vol. 3, No. 6: The Role of Albumen in Cheese-Making. By G. T. Pyne and L. 6 Droma. Pp. 75-82. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 6d. [153]

Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 58: Annual Changes in the Osmotic Value of some Arctic and Temperate Plants. By Elizabeth Mary Wager and Dr. Harold Geoffrey Wager. Pp. 641-653. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 1s. [153]

British Museum (Natural History). Great Barrier Reef Expedition 1928-9. Scientific Reports, Vol. 6, No. 1: The Larvae of the Decapod Crustacea: Palaemonidae and Alpheidae. By Dr. Robert Gurney. Pp. 60. (London: British Museum (Natural History).) 5s. [163]

Report of the Marlborough College Natural History Society for the Year 1937. Pp. 63. (Marlborough: Marlborough College Natural History Society.) Members, 3s.; Non-members, 5s. [163]

Other Countries

Memoirs of the Faculty of Science and Agriculture, Taihoku Imperial University. Vol. 18, No. 11 (Mathematics No. 26): Beiträge zur Geometrie der Kreise und Kugeln (20). Von Sōzi Matsumura. Pp. 241-256. Vol. 18, No. 12 (Mathematics No. 27): Beiträge zur Geometrie der Kreise und Kugeln (21). Von Sōzi Matsumura. Pp. 257-274. (Taihoku: Taihoku Imperial University.) [73]

Studies from the Connaught Laboratories, University of Toronto. Vol. 9, 1937. Pp. v+50 papers. (Toronto: University of Toronto Press.) [73]

Journal of the Indian Institute of Science. Vol. 20A, Part 12: Hydrogenation of Oils by the Continuous Process. Part 1: Hydrogenation of Groundnut Oil by Catalysts of Nickel and its Alloys. By V. T. Athavale and S. K. K. Jatkari. Pp. 95-110. 1.4 rupees. Vol. 20A, Part 13: Activation and Clarifying Properties of Fuller's Earth. Part 2: The Decolourising Action of some Indian Fuller's Earths. By B. S. Kulkarni and S. K. K. Jatkari. Pp. 111-118. 12 annas. Vol. 20A, Part 14: Activation and Clarifying Properties of Fuller's Earth. Part 3: Bleaching of Safflower Oil by Fuller's Earths. By B. S. Kulkarni and S. K. K. Jatkari. Pp. 119-124. 10 annas. (Bangalore: Indian Institute of Science.) [73]

Ochrona Przyrody: Organ Państwowej Rady Ochrony Przyrody. Rocznik 17. Pp. vi+361. (Kraków: Państwowa Rada Ochrony Przyrody.) [73]

Reports of the Biochemical Research Foundation of the Franklin Institute. Vol. 4, 1936-1937. Pp. iv+25 papers+xxvi. (Philadelphia: Biochemical Research Foundation of the Franklin Institute.) [83]

Conseil International des Unions Scientifiques: Union Géodésique et Géophysique Internationale: Association de Séismologie. Publications du Bureau Central Séismologique International. Série A: Travaux Scientifiques. Fasc. No. 15, 2e Partie (Communications présentées à la Conférence d'Edimbourg, Septembre, 1937.) Pp. 115-333+1 plate. (Nogent-Le-Rotrou: Imprimerie Daupeley-Gouverneur.) [93]

U. S. Department of Agriculture. Technical Bulletin No. 596: Composition and Fractionation of American Steam-Distilled Wood Turpentine. By S. Palkin, T. C. Chadwick and M. B. Matlack. Pp. 30+1 plate. (Washington, D.C.: Government Printing Office.) 5 cents. [93]

Kungl. Sjökartverket, Jordmagnetiska Publikationer Nr. 11: Earth Magnetic Researches along the Coasts of Sweden. Part 2: Dip, Horizontal Force and Vertical Force at the Epoch July 1, 1929. By Gustav S. Ljungdahl. Pp. 49+4 plates. (Stockholm: Statens Reproduktionsanstalt.) [93]

Geological Survey of British Guiana. Bulletin No. 6: 1. Report on the Groete Creek and Mariwa Goldfields of the Lower Essequibo and Lower Cuyuni Rivers, by Dr. D. A. Bryn Davies; 2. Report on the Occurrence of Manganese Ore at Saxacalli, Lower Essequibo River, by D. W. Bishopp. Pp. ii+17+ii+4+7 maps. (Georgetown: Geological Survey of British Guiana.) 24 cents. [93]

Fiskeridirektoratets Skrifter, Serie Havundersøkelser (Report on Norwegian Fishery and Marine Investigations, Vol. 5, No. 4: Rekefisket som Naturhistorie og Samfundssak. Av Johan Hjørt og Johan T. Ruud. With an English Summary. Pp. 158. (Bergen: A.s. John Griegs Boktrykkeri.) [93]

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 189: Egyptian Cotton: Studies in Spinning and Growing, 1935-36. By H. A. Hancock. Pp. v+58+13 plates. P.T. 10. (Cairo: Government Press.) [93]

Annales Bryologiques: a Year-Book devoted to the Study of Mosses and Hepatics. Edited by Fr. Verdoorn. Vol. 10, 1937. Pp. iv+160. (Leiden: Chronica Botanica Co.) [93]

Universidad Nacional de Tucumán: Departamento de Investigaciones Regionales. Lilloa: Revista de Botánica. Tomo 1. Pp. 413+61 plates. (Tucumán: Universidad Nacional.) [103]

Australasian Antarctic Expedition, 1911-14. Scientific Reports. Series C: Zoology and Botany. Vol. 2, Part 2: Isopoda and Tanaidacea. By Herbert M. Hale. Pp. 45. 6s. 6d. Vol. 2, Part 3: Ticks (Ixodoidea). By Prof. T. Harvey Johnston. Pp. 19. 3s. Vol. 2, Part 5: Amphipoda Hyperidea. By Dr. K. H. Barnard. Pp. 4. 1s. 6d. Vol. 3, Part 4: Rhabdopleura. By Prof. T. Harvey Johnston. Pp. 8. 2s. 6d. Vol. 10, Part 4: Cestoda. By Prof. T. Harvey Johnston. Pp. 74. 10s. Vol. 10, Part 6: Acarina. By H. Womersley. Pp. 24+11 plates. 6s. (Sydney: Government Printer.) [143]

Statens Meteorologisk-Hydrografiska Anstalt. Årsbok. 17, 1935, 3: Vattenståndet vid Rikets kuster. Pp. 23. 2.00 Kr. 17, 1935, 4: Meteorologiska iakttagelser i Sverige, Band 77. Pp. x+107. 7.00 Kr. 18, 1936, 5: Hydrografiska mätningar i Sverige. Pp. 12. 3.00 Kr. (Stockholm: Statens Meteorologisk-Hydrografiska Anstalt.) [143]

Department of Agriculture: Straits Settlements and Federated Malay States. Observations on Stem-Rot of the Oil Palm. By A. Thompson. Pp. ii+28+14 plates. (Kuala Lumpur: Department of Agriculture.) [143]

176de Beretning fra Forsøgslaboratoriet. Stuefluen (*Musca domestica*) og Stikfluen (*Stomoxys calcitrans*): Undersøgelser over Biologi og Bekæmpelse samt en Oversigt over andre til Hysdyr og Boliger knyttede Fluearter. By Prof. Mathias Thomsen. Pp. 352+13 plates+xiii. (Copenhagen: I. Hovedkommission hos fh. August Bangs Forlag.) [153]

Lunds Universitets Årsskrift. N.F. Avd. 2, Bd. 34, Nr. 7: Kungl. Fysiografiska Sällskapets Handlingar, N.F. Bd. 49, Nr. 7. Meddelande från Lunds Astronomiska Observatorium, Ser. 2, Nr. 93: Positions of 75 stars supposed to be Members of the Taurus Cluster. By Helge Nordström. Pp. 17. (Lund: C. W. K. Gleerup; Leipzig: Otto Harrassowitz.) 1 kr. [163]

Annals of the Observatory of Lund, No. 7: Contributions to the Photographic Study of Colour, Resolution and Total Magnitude of Anaglaetic Objects, with special regard to Objects photographed at Helwan. By Björn Svernlund. Pp. 160+16 plates. (Lund: The Observatory.) [163]