

Forthcoming Events

SOCIETY OF CHEMICAL INDUSTRY, July 5-9.—Annual Meeting to be held at Harrogate.

MUSEUMS ASSOCIATION, July 5-9.—Annual Conference to be held at Newcastle-upon-Tyne.

Appointments Vacant

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

ASSISTANT CIVIL ENGINEERS (male) in the Air Ministry—The Secretary (S.2(c)), Air Ministry, Adastral House, Kingsway, London, W.C.2 (July 5).

TWO CHEMISTS and TWO JUNIOR ASSISTANT METALLURGISTS in the Royal Ordnance Factories at Nottingham and Birtley—The Chief Superintendent of Ordnance Factories (Advert. No. 144), Royal Arsenal, Woolwich, S.E. 18 (July 6).

LECTURER IN MINING SUBJECTS and A LECTURER IN MECHANICAL ENGINEERING in the Mining and Technical College, Church Street, Barnsley—The Principal (July 6).

A TEACHER OF MATHEMATICS AND PHYSICS with a knowledge of rubber technology, in the Northern Polytechnic, Holloway, London, N.7—The Clerk to the Governors (July 7).

LECTURER IN CIVIL ENGINEERING at Wigan and District Mining and Technical College—The Principal (July 7).

ASSISTANT ENGINEER INSPECTOR (MECHANICAL) for service in Great Britain in the Office of the High Commissioner for India—The Director-General, India Store Department, Belvedere Road, S.E.1 (July 7).

A GRADUATE IN MECHANICAL ENGINEERING to teach mathematics and engineering subjects in the North-east Essex Technical College, Colchester—The Clerk to the Governors (July 7).

ASSISTANT LECTURER IN MATHEMATICS in the Huddersfield Technical College—The Director of Education, Education Offices, Peel Street, Huddersfield (July 7).

TEMPORARY ASSISTANT LECTURER IN BOTANY in the University of Liverpool—The Registrar (July 7).

DESIGNER (Ref. No. 542 B) and ASSISTANTS II (Ref. No. 296 B) in the Royal Aircraft Establishment, South Farnborough, Hants—The Chief Superintendent (July 9).

SCIENTIFIC OFFICER, ASSISTANTS III (male and female) in the Ballistics Directorate, Research Department, Woolwich, S.E.18—The Chief Superintendent (July 9).

PRINCIPAL of the County Technical College, Guildford—The Chief Education Officer, County Hall, Kingston-upon-Thames (July 10).

LECTURER IN CHEMISTRY at Brighton Technical College—The Education Officer, Education Offices, 54 Old Steine, Brighton 1 (July 10).

ASSISTANT CIVIL ENGINEERS (male) in the Civil Engineer-in-Chief's Department, Admiralty and H. M. naval establishments at home and abroad—The Civil Engineer-in-Chief, Admiralty, London, S.W.1, envelope marked "A.C.E." (July 12).

CITY ENGINEER of Kingston-upon-Hull—The Town Clerk, Guildhall, Hull, envelope marked "City Engineer" (July 12).

TECHNICAL OFFICER IN THE METEOROLOGICAL OFFICE—The Secretary (S.2.A), Air Ministry, Adastral House, Kingsway, London, W.C.2 (July 12).

LECTURER IN MATHEMATICS in the Manchester Municipal College of Technology—The Registrar (July 12).

DIRECTOR of the Technological Research Laboratory at Calcutta of the Indian Central Jute Committee—The High Commissioner for India, General Department, India House, Aldwych, London, W.C.2 (July 12).

LECTURER IN MATHEMATICS at the Cheltenham Technical College, Lansdown Road—The Secretary (July 13).

SENIOR SCIENTIFIC OFFICER (male) in the Admiralty Scientific Pole—The Secretary of the Admiralty (C.E. Branch) (quote C.E. 4561/37) (July 17).

CHEMIST in the Geological Survey Department, Federated Malay States—The Director of Recruitment (Colonial Service), 2 Richmond Terrace, London, S.W.1 (July 31).

PART-TIME LECTURER IN BIOLOGY (woman) in Sedgley Park Training College, Manchester—The Principal.

MECHANICAL and ELECTRICAL ENGINEER in the Public Works Department, Gold Coast—Crown Agents for the Colonies, quoting M/5280.

ENGINEERS for the Public Works Department, Somaliland—Crown Agents for the Colonies, quoting M/5076.

CIVILIAN LABORATORY INSTRUCTORS at the Electrical and Wireless School, Royal Air Force, Cranwell—The Principal.

TEMPORARY ASSISTANT ENGINEERS, ENGINEERING ASSISTANTS and JUNIOR ENGINEERING ASSISTANTS in the Ministry of Transport for work in connexion with surveys of trunk roads—The Establishment Officer, Ministry of Transport, Northumberland Avenue, London, W.C.2.

EXAMINERS in the Aeronautical Inspection Directorate Test Houses—The Secretary (S.2.d), Air Ministry, Adastral House, Kingsway, W.C.2.

Official Publications Received

Great Britain and Ireland

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1731 (2091): Plane Table Method of Measuring Take-off and Landing Flight Paths. By S. P. Osborne. Pp. 14. 2s. 6d. net. No. 1734 (2287): Full Scale Tests of Hartshorn Ailerons on a Bulldog. By A. E. Woodward Nutt. Pp. 16. 2s. 6d. net. No. 1738 (2300): Wind Tunnel Tests to determine the Efficiency of an Airscrew working in front of a Thick Section Wing. By D. W. Bottle and C. Callen. Pp. 12. 2s. net. No. 1740 (2119): Note on Performance Data for Honeycomb Radiators in a Duct. By A. S. Hartshorn. Pp. 21. 3s. net. No. 1742 (2125 and 2257): The Wing Stiffness of Monoplanes. By A. G. Pugsley; with an Appendix on the Measurement of Wing Stiffness, by A. G. Pugsley and A. W. Clegg. Pp. 16. 2s. 6d. net. No. 1744 (2208): On the Erosion of Sparking Plug Electrode Materials and the Variation of Sparking Plug Voltage. By W. R. Debenham and F. G. Haydon. Pp. 22. 3s. net. No. 1746 (1238): Airscrew Theory; a Paper delivered before the Fourth International Congress for Applied Mechanics, Cambridge, 1934. By C. N. H. Lock. Pp. 11. 2s. 6d. net. No. 1748 (2354): The Stressing of a Particular Rigid-jointed Fuselage under Bending Loads. By J. Morris and G. C. Abel. Pp. 21. 3s. net. No. 1751 (2305): A Study of the Flexural Axis Positions for certain Box Sections. By D. Williams and D. W. G. Fairbank. Pp. 14. 2s. net. No. 1752 (2558): Calibration of Standard Pitot-Static Heads in the High-Speed Tunnel. By C. N. H. Lock and Dr. W. F. Hilton. Pp. 4. 9d. net. No. 1753 (2358): Full Scale Trials on Scion M. 3 with a Gouge Flap. By J. Cohen. Pp. 12. 2s. 6d. net. No. 1754 (1808): Abstract—Turbulent Flow in a Circular Pipe. By A. Fage. Pp. 9. 1s. 6d. net. No. 1759 (1904): Abstract—Some Applications of Conformal Transformation to Airscrew Theory. By F. L. Westwater. Pp. 2. 6d. net. (London: H.M. Stationery Office.) [26]

Other Countries

Journal of the Faculty of Agriculture, Hokkaido Imperial University. Vol. 40, Part 1: A Limnological Study of Akkeshi Lake with Special Reference to the Propagation of the Oyster. By Tetsuo Inukai and Shinroku Nishio. Pp. 33. Vol. 41, Part 1: Studies on the Physiologic Specialization in *Ophiobolus miyabeanus* Ito et Kuribayashi. By Yoshihiko Tochinai and Masayuki Sakamoto. Pp. 96. (Tokyo: Maruzen Co., Ltd.) [275]

Salmon Markings in Norway, 1936. By Knut Dahl and Sven Sømme. (Skrifter utgitt av det Norske Videnskaps-Akademi i Oslo: I. Mat. Naturv. Klasse, 1937, No. 1.) Pp. 37. (Oslo: Jacob Dybwad.) 3.00 kr. [315]

Contributions from the Physical Laboratories of Harvard University for the Year 1935. Series 2, Vol. 2. Pp. vii + 57 papers. (Cambridge, Mass.: Harvard University; London: Oxford University Press.) 10s. 6d. net. [315]

Publikationer fra det Danske Meteorologiske Institut. Aarbøger. Isforholdene i de Arktiske Have (The State of the Ice in the Arctic Seas) 1936. Pp. 14 + 5 plates. (København: G. E. C. Gad.) [16]

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 89. Zoological Results of the Third De Schauensee Siamese Expedition, Part 8: Fishes obtained in 1936. By Henry W. Fowler. Pp. 125-264. (Philadelphia: Academy of Natural Sciences.) [16]

Department of Agriculture, Mauritius: Sugarcane Research Station. Bulletin No. 11: Sugarcane in Mauritius; a Review of the Present Position with respect to its Cultivation and Manuring. By N. Craig. Pp. 41. (Port Louis: Government Printer.) [16]

Ochrona Przyrody: Organ Państwowej Rady Ochrony Przyrody. Rocznik 16. Pp. 285. Nr. 47: Rzut oka na stan obecny Ochrony Przyrody w Polsce na tie 17-letniej dzialnosci Państwowej Rady Ochrony Przyrody (Present Status of Nature Protection in Poland: 17 Years of the Activity of the State Council for the Protection of Nature). Napisal Wladyslaw Szafer. Pp. 22. (Kraków: Państwowa Rada Ochrony Przyrody.) [16]

Meddelelser om Grønland udgivne af Kommissionen for Videnskabelige Undersøgelser i Grønland. Bind 55, Nr. 1: Opdagelsesrejser til Grønland 1473-1806. Indledning Nr. 1 til Diplomatarium Grønlandium 1492-1814. Af Louis Bobé. Pp. 54. 2.50 kr. Bind 55, Nr. 2: Den Grønlandske Handels og Kolonisations Historie indtil 1870. Indledning Nr. 2 til Diplomatarium Grønlandium 1492-1814. Af Louis Bobé. Pp. 152 + 6 plates. 7.00 kr. Bind 55, Nr. 3: Diplomatarium Grønlandium 1492-1814; Aktstrykker og breve til oplysning om Grønlands besejling, kolonisation og missionering. Udgivne ved Louis Bobé. Pp. 431. 20.00 kr. Bind 108, Nr. 1: 6 og 7 Thule Expedition til Sydøstgrønland 1931-33. Echinoderms. By S. G. Heding. Pp. 34. 1.50 kr. Bind 108, Nr. 2: 6 og 7 Thule Expedition til Sydøstgrønland 1931-33. A quantitative and qualitative investigation of the Microfauna Communities of the Soil at Angmagssalik and in Mikis Fjord. By Marie Hammer. Pp. 53. 2.50 kr. Bind 118, Nr. 6: Die Paläozoischen Eruptivgesteine von Canning-Land. Von Arne Noe-Nygaard. Pp. 153 + 8 plates. 8.50 kr. Bind 118, Nr. 7: On the Genus *Ulophyesma* Brattström with Description of a New Species from East Greenland. By Hans Brattström. Pp. 24 + 1 plate. 1.25 kr. (København: C. A. Reitzels Forlag.) [26]

Catalogues, etc.

The Wild-Barfield Heat-Treatment Journal. Vol. 2, No. 13, June. Pp. 59-71 + vi. (London: Wild-Barfield Electric Furnaces, Ltd.)

A Catalogue of Books and Periodicals on Aeronautics, Astronomy, Chemistry, Electricity, Engineering, Fortification and Gunnery, Horology, Mathematics, Meteorology, Mining and Minerals, Navigation, Physics, Pyrotechnics, Surveying, etc. (No. 535.) Pp. 68. (London: Bernard Quaritch, Ltd.)

Plastico Moulage Materials. Pp. 20. (Philadelphia: Warren-Knight Co.)