

## Forthcoming Events

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

Monday, June 7

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Peter Mott: "A Survey of West Greenland".

Tuesday, June 8

WARBURG INSTITUTE, at 5.30.—Miss Violet Alford: "Carnival and Saturnalia".\*

Thursday, June 10

CHADWICK PUBLIC LECTURE, at 5—(at the Chelsea Physic Garden, Swan Walk, S.W.3).—H. Gilbert-Carter: "Plants in Health and Disease".\*

Friday, June 11

UNIVERSITY OF OXFORD, at 8.45—(in the Museum).—Prof. W. L. Bragg: "The Crystallization Patterns of Alloys" (Robert Boyle Memorial Lecture).

## Appointments Vacant

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

LECTURER IN MECHANICAL ENGINEERING in the Chesterfield Technical College—The Clerk to the Governors (June 7).

ASSISTANT CIVIL ENGINEERS in the Directorate of Factories, War Department—The Chief Superintendent of Ordnance Factories (Advt. No. 140), Royal Arsenal, Woolwich, S.E.18 (June 8).

LECTURER IN GEOGRAPHY in Birkbeck College, Fetter Lane, E.C.4—The Secretary (June 10).

ASSISTANT (grade 11) in the External Ballistics Department, Ordnance Committee, Royal Arsenal, Woolwich, S.E.18 (June 11).

ASSISTANT MASTER IN CHEMISTRY (subsidiary biology) in the South-East Essex Technical College, Longbridge Road, Dagenham—The Clerk to the Governors (June 12).

HEAD OF THE DEPARTMENT OF MATHEMATICS AND PHYSICS in the Polytechnic, Regent Street, London, W.1—The Director of Education (June 12).

LECTURER IN METALLURGY and ASSISTANT LECTURER IN ENGINEERING in the Swansea Technical College—The Director of Education, Education Offices, The Guildhall, Swansea (June 12).

HEAD of the Electrical Engineering and Physics Department of Coventry Technical College—The Director of Education, Council House, Coventry (June 12).

LECTURER IN MECHANICAL ENGINEERING in the Merchant Venturers' Technical College, Bristol—The Superintendent (June 14).

FISHERY OFFICER in the Fisheries Department of the Ministry of Agriculture and Fisheries, 10, Whitehall Place, London, S.W.1—The Secretary (June 14).

ASSISTANT MASTER to teach Mathematics and Science in the Cambridgeshire Technical School—The Education Secretary, Shire Hall, Cambridge (June 14).

MANAGER (CIVIL ENGINEER) to the West Cumberland Industrial Development Company, 80, Roper Street, Whitehaven—The Secretary (June 15).

LECTURER IN ELECTRICAL ENGINEERING in King's College, Strand, London, W.C.2—The Secretary (June 15).

ASSISTANT LECTURER IN APPLIED MATHEMATICS in the University of Liverpool—The Registrar (June 18).

ASSISTANT KEEPER on the Higher Technical Staff of the Mechanical Engineering Division of the Science Museum, South Kensington, S.W.7—The Director (June 21).

LECTURER IN MATHEMATICS in the University of Sheffield—The Registrar (June 22).

LECTURER IN EXPERIMENTAL ZOOLOGY in the University of Liverpool—The Registrar (June 23).

RESEARCH CHEMIST at the Indian Tea Association Experimental Station, Tocklai, Assam—The Secretary, Indian Tea Association, 21 Mincing Lane, London, E.C.3 (June 25).

HULME LECTURER IN PHYSIOLOGY in Brasenose College, Oxford—The Principal (June 26).

PROFESSOR OF ECONOMICS in Raffles College, Singapore—The Secretary, Universities Bureau of the British Empire, 88A, Gower Street, London, W.C.1 (June 30).

VETERINARY RESEARCH OFFICER (investigation of contagious bovine pleuro-pneumonia) in Kenya—The Director of Recruitment (Colonial Service), 2 Richmond Terrace, Whitehall, London, S.W.1 (June 30).

LECTURER IN MINING in the South Wales and Monmouthshire School of Mines, Treforest—The Director of Education, County Hall, Cardiff (June 30).

PROFESSOR OF BOTANY in the University of Sydney, New South Wales, Australia—The Registrar (September 15).

ASSISTANT ENGINEERS, ENGINEERING ASSISTANTS AND JUNIOR ENGINEERING ASSISTANTS in the Ministry of Transport, Whitehall Gardens, London, S.W.1—The Establishment Officer.

ASSISTANT TEACHER OF ELECTRICAL ENGINEERING AND ASSISTANT TEACHER OF MATHEMATICS in the Acton Technical College—The Secretary to the Education Committee, 10 Great George Street, Westminster, S.W.1.

TEACHER OF MECHANICAL ENGINEERING in the Rochdale Municipal Technical School—The Secretary.

ROAD ENGINEER in the Public Works Department, Somaliland—The Crown Agents for the Colonies, 4 Millbank, London, S.W.1.

PROFESSOR OF MINING in the University of Pelyang—The Universities' China Committee, 91 Gower Street, W.C.1.

ENGINEERING INSTRUCTOR in the Kingston Technical School, Jamaica—The Crown Agents for the Colonies, 4, Millbank, London, S.W.1.

## Official Publications Received

### Great Britain and Ireland

Proceedings of the Royal Irish Academy. Vol. 43, Section A, No. 6: Centred Vortex Polygons. By W. B. Morton. Pp. 73-78. 6d. Vol. 43, Section A, No. 7: Atmospheric Electrical Conductivity and the Current from Air to Earth. By J. J. Nolan and P. J. Nolan. Pp. 79-94. 1s. Vol. 43, Section B, No. 9: A Petrological Study of the Portrush Sill and its Veins. By Norman Harris. Pp. 95-134+plates 8-5. 1s. 6d. Vol. 43, Section B, No. 10: The Geology of the Currywongau—Doughrugh Area, Co. Galway. By L. M. Ingold. Pp. 135-160+plates 6-9. 2s. Vol. 43, Section B, No. 11: River Liffey Survey—The Chironomid Fauna of the Submerged Mosses. By Carmel F. Humphries and Winifred B. Frost. Pp. 161-182. 1s. 6d. Vol. 43, Section B, No. 12: Some Observations on *Lophophyllum cyathophylloides* (Vaughan). By Louis B. Smyth. Pp. 183-192+plate 10. 1s. Vol. 43, Section B, No. 13: The Faunal Succession in the Carboniferous Limestone near Cork. By J. Selwyn Turner. Pp. 193-210. 1s. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) [45]

Ministry of Health. Costing Returns, Year ending 31st March 1936. Part 1. Pp. 24. (London: H.M. Stationery Office.) 1s. net. [45]

The Scientific Journal of the Royal College of Science. Vol. 7: containing Papers read during the Session 1936-1937 before the Imperial College Chemical Society, the Royal College of Science Natural History Society, the Royal College of Science Mathematical and Physical Society. Pp. 146. (London: Edward Arnold and Co.) 7s. 6d. [75]

### Other Countries

Proceedings of the California Academy of Sciences, Fourth Series. Vol. 22, No. 3: The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 32: The Plant Genus *Coldenia* in the Galapagos Islands. By John Thomas Howell. Pp. 99-110+plates 26-27. Vol. 23, No. 7: The Fishes of the Atlantic and Pacific Slopes near Cajamarca, Peru. By Prof. Nathan E. Pearson. Pp. 87-93+plates 12-13. (San Francisco: California Academy of Sciences.) [115]

Jahresbericht der Hamburger Sternwarte in Bergedorf für das Jahr 1936. Erstattet von Dr. R. Schorr. Pp. 22+2 plates. Mitteilungen, Band 7, Nr. 42: Das B. Schmidtsche Verfahren bei der Herstellung der Korrekionsplatten für komafreie Spiegel. Von R. Schorr. Pp. 175-178. Mitteilungen, Band 7, Nr. 43: Beobachtungen des Lichtwechsels der Bedeckungsveränderlichen in verschiedenen Wellenlängenbereichen. Von J. Hellerich. Pp. 179-218. Mitteilungen, Band 7, Nr. 44: Über die Beziehung der Amplituden der Licht- und Geschwindigkeitskurven der  $\delta$  Cephei-Veränderlichen. Von J. Hellerich. Pp. 219-252. Astronomische Abhandlungen, Band 4, Nr. 9: Untersuchungen der auf der Hamburger Sternwarte in Bergedorf für das Zonenunternehmen der Astronomischen Gesellschaft benutzten Aufnahme- und Messinstrumente. Von Johann v.d. Heide. Pp. 213-236+2 plates. (Bergedorf: Hamburger Sternwarte.) [135]

Crohamburst Observatory. Paper No. 6: The Climate of Australia during the Hypothetical Jovian Sunspot Cycles, 1853-1876, together with the Rainfall Observations taken in Australia since 1822, by Years to 1876, with some Comments on the Evidence of Cyclical Reproduction in that Period. By Inigo Jones. Pp. 39. Report of the Crohamburst Observatory for the Year ending 31st December 1936. Pp. 10. (Beerwah, Qd.: Crohamburst Observatory.) [135]

Kyoto Imperial University: Publications of the Kwasan Observatory. Vol. 1, No. 3: Zodiacal Charts (Type A) for the use of the Observers of Zodiacal Lights, Gegenscheins and Allied Phenomena. Prepared by the Computing Division, Kwasan Observatory. Pp. 2+6 charts. Vol. 1, No. 4: Preliminary General Catalogue of Comets. By A. S. Yamamoto. Pp. 37. (Kyoto: Kyoto Imperial University.) [145]

Union of South Africa: Department of Mines: Geological Survey. The Geology of the Country around Mossel Bay, Cape Province: an Explanation of Sheet No. 201 (Mossel Bay). By Dr. S. H. Haughton, Dr. H. F. Frommure and D. J. L. Visser. Pp. 48+vi. (Pretoria: Government Printer.) 5s. (including Map.) [185]

Smithsonian Miscellaneous Collections. Vol. 95, No. 24: Time Course of Photosynthesis for a Higher Plant. By E. D. McAllister. (Publication 3410.) Pp. ii+17+2 plates. (Washington, D.C.: Smithsonian Institution.) [185]

Proceedings of the United States National Museum. Vol. 84, No. 3010: Observations on the Trematode Genus *Brachycoelium* Djurdjin. By Elton E. Byrd. Pp. 183-200+plates 8-9. Vol. 84, No. 3011: New Muscoid Flies (Diptera) in the United States National Museum. By David G. Hall. Pp. 201-216. Vol. 84, No. 3013: A New Sub-species of the Nymphalid Butterfly *Polygonia faunus*. By Austin H. Clark. Pp. 219-222+plate 10. (Washington, D.C.: Government Printing Office.) [185]