

## Appointments Vacant

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

STRUCTURAL ENGINEERING ASSISTANTS in the Directorate of Fortifications and Works of the War Office—The Under-Secretary of State (C. 5), War Office, S.W.1 (August 16).

ASSISTANT LECTURER IN PHARMACY in the Technical College, Bradford—The Principal (August 28).

TECHNICAL OFFICER in the Signals Experimental Establishment, at Woolwich—The Secretary, Royal Engineer and Signals Board, Regent's Park Barracks, Albany Street, N.W.1 (August 27).

LECTURER IN PHYSICAL CHEMISTRY in the Battersea Polytechnic, London, S.W.11—The Principal (September 6).

LECTURER IN PATHOLOGICAL BIOCHEMISTRY in the University of Glasgow—The Secretary of the Court (September 11).

DIRECTOR OF RESEARCH of the Institute of Brewing—The Secretary of the Institute, Brewers' Hall, Addle Street, London, E.C.2 (October 15).

CIVIL ENGINEER in the Public Works Department of the Sudan Government—The Controller, Sudan Government London Office, Wellington House, Buckingham Gate, S.W.1.

## Official Publications Received

### Great Britain and Ireland

Report on the Phenological Observations in the British Isles from December 1935 to November 1936. (No. 46.) By Ivan D. Margary. (Quarterly Journal of the Royal Meteorological Society, No. 270, Vol. 63.) Pp. 219-275. (London: Royal Meteorological Society.) 3s. [97]

Experimental Researches and Reports published by the Department of Glass Technology, the University, Sheffield. Vol. 19, 1936. Pp. iii+218+16 plates. (Sheffield: The University.) 7s. 6d. [97]

Department of Scientific and Industrial Research. Forest Products Research Records, No. 18 (Mycology Series, No. 2): The Causes of Stain and Decay in Imported Timber. By K. St. G. Cartwright. Pp. ii+15+7 plates. (London: H.M. Stationery Office.) 6d. net. [127]

Ministry of Agriculture and Fisheries, Department of Agriculture for Scotland, Ministry of Agriculture for Northern Ireland and Agricultural Research Council. Reports on the Work of Agricultural Research Institutes and on certain other Agricultural Investigations in the United Kingdom, 1934-1935. Pp. v+338. (London: H.M. Stationery Office.) 5s. net. [127]

The North of Scotland College of Agriculture. Guide to Experiments and Demonstration Plots at Craibstone, 1937. Pp. 68. (Aberdeen: North of Scotland College of Agriculture.) [147]

Experimental and Research Station, Nursery and Market Garden Industries' Development Society, Ltd., Turner's Hill, Cheshunt. Twenty-second Annual Report, 1936. Pp. 104. (Cheshunt: Nursery and Market Garden Industries' Development Society, Ltd.) [147]

Make the Lake District a National Park. Pp. 16. (Ambleside: Friends of the Lake District.) [147]

Ministry of Agriculture and Fisheries. Agricultural Statistics, 1936. Vol. 71, Part 1: Acreage and Production of Crops, Number of Live Stock and of Agricultural Workers, and Output and Prices of Agricultural Produce in England and Wales. Pp. 109. (London: H.M. Stationery Office.) 1s. 6d. net. [157]

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1735 (2184): Wind Tunnel Tests on Slotted Flaps on a Low Wing Monoplane; Flap Angle 0° to 90°. By D. L. Ellis and M. B. Morgan. Pp. 14. 2s. net. No. 1749 (2017): The Strength of Lugs. By Wm. D. Douglas. Pp. 21. 3s. net. No. 1755 (1976): Notes on Stubs for Seaplanes. By L. P. Coombes and D. W. Bottle. Pp. 32. 5s. net. No. 1756 (2584): The Distribution of Stress in Monocoque Wings. By Dr. H. F. Winny. Pp. 12. 2s. net. No. 1757 (2719): A General Method of Calculating the Effect of Axial Constraint on Torsion on Different Forms of Two-Spar, Skin-covered Wings. By A. E. Russell. Pp. 16. 2s. 6d. net. No. 1762 (2425): The R.A.E. Mark Va Torsigraph. By the Staff of the Engine Department, R.A.E. Pp. 14. 2s. 6d. net. No. 1763 (2539): A Note on Roughness. By Dr. S. Goldstein. Pp. 2. 6d. net. No. 1768 (2766): Some Experiments with Cascades of Aerofoils. By A. R. Collar. Pp. 7. 1s. 3d. net. No. 1772 (2747): Tests of R.A.F. 34 at Negative Incidences and of the Effect of Surface Roughness on R.A.F. 34 with Split Flap in the Compressed Air Tunnel. By D. H. Williams and A. F. Brown. Pp. 11. 2s. net. (London: H.M. Stationery Office.) [177]

Cambridge Observatory. Annual Report of the Observatory Syndicate, 1936 May 1-1937 April 30. Pp. 4. (Cambridge: Cambridge Observatory.) [197]

National Central Library. 21st Annual Report of the Executive Committee, 1936-37. Pp. 70. (London: National Central Library.) [197]

National Veterinary Medical Association of Great Britain and Ireland. The Veterinary Profession and its Organisation for the Control of Animal Diseases: Report of a Committee of Investigation of the National Veterinary Medical Association of Great Britain and Ireland. Pp. 113. (London: National Veterinary Medical Association.) [207]

Papers from the Geological Department, Glasgow University. Vol. 19 (Octavo Papers of 1935-1937). (Glasgow University Publications, 43.) Pp. viii+17 papers. (Glasgow: Jackson, Son and Co., Ltd.) [217]

Vocational Guidance. Pp. 20. (Exeter: University College of the South West of England.) [217]

### Other Countries

Traub-Stichting. Eerste Verslag 1936. Pp. 29. (Buitenzorg: Archipel Drukkerij.) [97]

Indian Lac Research Institute. Annual Report for the Financial Year 1936-37. Pp. 37. (Namkum: Indian Lac Research Institute.) [97]

Journal of the Indian Institute of Science. Vol. 19A, Part 8: Studies in the Proteins of Indian Foodstuffs. Part 10: *In vitro* Digestions of the Globulins from Aconite Bean (*P. aconitifolius*, Jacq.) and Bengal Gram (*Cicer arietinum*, Linn.). By Kamala Bhagvat. Pp. 67-73. (Bangalore: Indian Institute of Science.) 10 annas. [127]

Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 104: Investigations on the Occurrence and Inheritance of the Grass Clump Character in Crosses between Varieties of *Triticum vulgare* (Vill.). By J. R. A. McMillan. Pp. 68+8 plates. (Melbourne: Government Printer.) [127]

India Meteorological Department. Meteorological Organisation for Airmen, 1937. Pp. iii+62. (Delhi: Manager of Publications.) 1/6 rupees; 2s. 3d. [127]

Ministry of Public Works, Egypt: Physical Department. Meteorological Report for the Year 1933. Pp. xiv+219. (Cairo: Government Press.) P.T. 40. [127]

Cawthron Institute. Annual Report, 1936. Pp. 18. Cawthron Lecture, 1936: Links in the New Zealand Flora with the Remote Past. By the Rev. J. E. Holloway. Pp. 28+2 plates. (Nelson, N.Z.: Cawthron Institute.) [127]

Henry Lester Institute of Medical Research. Annual Report, 1936. Pp. 95+5 plates. (Shanghai: Henry Lester Institute.) [127]

Royal Observatory, Hong Kong. Meteorological Results, 1936. Prepared under the direction of C. W. Jeffries. Pp. iv+146+18. 3 dollars. Report of the Director of the Royal Observatory, Hong Kong for the Year 1936. Pp. 8. (Hong Kong: Royal Observatory.) [127]

Smithsonian Miscellaneous Collections. Vol. 96, No. 2: Wave Lengths of Radiation in the Visible Spectrum promoting the Germination of Light-sensitive Lettuce Seed. By Lewis H. Flint and E. D. McAllister. (Publication 3414.) Pp. 8+1 plate. (Washington, D.C.: Smithsonian Institution.) [127]

Colony of Mauritius. Annual Report of the Board of Directors of the Mauritius Institute for 1935. Pp. 16. Mauritius Institute Bulletin, Vol. 1, Part 1: Catalogue of the Flowering Plants in the Herbarium. Revised edition. By Dr. R. E. Vaughan. Pp. 120. 2.50 rupees. (Port Louis: Government Printer.) [127]

U.S. Department of Agriculture. Miscellaneous Publication No. 270: Post-Mortem Examinations of Wild Birds and Mammals. By J. E. Shillinger and William Rush. Pp. 16. (Washington, D.C.: Government Printing Office.) 5 cents. [127]

Canada: Department of Mines and Resources, Mines and Geology Branch: Bureau of Mines. Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories), January to June 1936. (No. 774.) Pp. iii+186. (Ottawa: King's Printer.) [127]

Proceedings of the Fourth International Locust Conference, Cairo, April 22, 1936. Pp. 96. (Cairo: Government Press.) [137]

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 89. Notes on Fishes from the Gulf Stream and the New Jersey Coast. By Henry W. Fowler. Pp. 297-308. A Collection of Haytian Fishes obtained by Mr. Stanley Woodward. By Henry W. Fowler. Pp. 309-315. A Second Study of New and Little-known Madagascar Grouse-Locusts (Orthoptera, Acrididae, Acrydinae) with a Key to the Species of Thymochares. By James A. G. Rehn. Pp. 317-329. (Philadelphia: Academy of Natural Sciences.) [137]

Report of the Aeronautical Research Institute, Tōkyō Imperial University. No. 152: The Moment of the Fluid Pressure acting on a Flat Plate in a Semi-infinite Stream bounded by a Plane Wall. 1: Case of Lower Boundary (the Ground Effect). By Susumu Tomotika and Isao Imai. Pp. 421-471. (Tōkyō: Kōgyō Toshō Kaishiki Kaisha.) 60 sen. [157]

Conseil Permanent International pour l'Exploration de la Mer. Faune ichtyologique de l'Atlantique nord. Publiée sous la direction by Prof. Joubin. No. 17. Pp. 52. (Copenhagen: Andr. Fred. Høst et fils.) 4.00 Kr. [157]

Sveriges Geologiska Undersökning. Årsberättelse för år 1936. Pp. 9. (Stockholm: Sveriges Geologiska Undersökning.) 0.50 kr. [177]

Government of India: Industrial Research Bureau. Report for the Year 1936-37. Pp. iv+25. (Delhi: Manager of Publications.) 14 annas; 1s. 6d. [197]

Commonwealth of Australia: Department of Health. Physical Aspects of Radium and Radon Therapy. By Dr. C. E. Eddy and T. H. Oddie. Pp. 60. (Canberra: Commonwealth Government Printer.) [197]

Summary Proceedings of the Thirty-third Meeting of the Indian Central Cotton Committee, Bombay, held on the 17th and 18th August 1936. Pp. 96. (Bombay: Indian Central Cotton Committee.) 1 rupee. [197]

Hokkaido Imperial University Calendar 1936-1937. Pp. iv+233. (Sapporo: Hokkaido Imperial University.) [197]

South African Journal of Science. Vol. 33: Being the Report of the Thirty-fourth Annual Meeting of the South African Association for the Advancement of Science, Johannesburg, 1936, 5 October to 10 October. Pp. lxii+1144. (Johannesburg: South African Association for the Advancement of Science.) 30s. net. [207]

Durban Museum and Art Gallery. Annual Report for Municipal Year 1935-1936. Pp. 12+4 plates. (Durban: Durban Museum and Art Gallery.) [207]

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 89. Further Notes on the Genus Hemimerus (Dermaptera, Hemimerina, Hemimeridae). By James A. G. Rehn and John W. H. Rehn. Pp. 331-335. (Philadelphia: Academy of Natural Sciences.) [217]

Proceedings of the United States National Museum. Vol. 84, No. 3015: Mexican Fossil Echini. By Robert Tracy Jackson. Pp. 227-237+plates 12-15. (Washington, D.C.: Government Printing Office.) [217]