

## Appointments Vacant

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

HEAD OF THE DEPARTMENT OF ENGINEERING AND BUILDING in the County Technical College, Guildford—The Principal (June 17).

LECTURER IN MATHEMATICS in the County Mining and Technical School, Nuneaton—The Principal (June 17).

LECTURER IN ELECTRICAL ENGINEERING in the Swindon Technical College—The Director of Education, Civic Offices, Swindon (June 21).

LECTURER IN MATHEMATICS in the University of Durham (Durham Division)—The Secretary, Durham Colleges' Office, 38 North Bailey, Durham (June 23).

HEAD OF THE DEPARTMENT OF PHARMACY AND BIOLOGY in the Central Technical College, Birmingham—The Principal (June 24).

LECTURER IN MECHANICAL ENGINEERING in the Cape Technical College, Capetown—Messrs. J. A. Ewing and Co., Ltd., Chiswell Street, London, E.C.1 (June 24).

LECTURER IN METALLURGY AND CHEMISTRY and LECTURER IN MECHANICAL AND STRUCTURAL ENGINEERING in the Constantine Technical College—The Director of Education, Education Offices, Middlesbrough (June 26).

LECTURER IN MECHANICAL ENGINEERING in the Borough Polytechnic, Borough Road, London, S.E.1—The Principal (June 26).

LECTURER IN PRODUCTION ENGINEERING in the County Technical College, Wednesbury—The Director of Education, County Education Office, Stafford (June 26).

LECTURER IN PHYSICS in the Darby Technical College—The Clerk to the Governors (June 28).

TEACHER OF ENGINEERING SUBJECTS in the Doncaster Technical College—The Secretary, Education Offices, Doncaster (June 28).

LECTURER IN CHARGE OF THE DEPARTMENT OF GEOGRAPHY in the University of Durham (Durham Division)—The Secretary, Durham Colleges' Office, 38 North Bailey, Durham (June 29).

HEAD OF THE ENGINEERING PRODUCTION DEPARTMENT of the Northampton Polytechnic, St. John Street, London, E.C.1—The Principal (June 30).

ORGANIZING TUTOR IN THE SOCIAL SCIENCES in University College, Hull—The Registrar (June 30).

RESEARCH ASSISTANT IN ANIMAL NUTRITION (grade III) in the Hannah Dairy Research Institute, Kirkhill, Ayr—The Director (July 1).

DEMONSTRATOR IN CHEMISTRY in Guy's Hospital Medical School, London, S.E.1—Prof. C. S. Gibson (July 8).

PROFESSOR OF VETERINARY PATHOLOGY and DIRECTOR OF THE RESEARCH INSTITUTE IN ANIMAL PATHOLOGY in the Royal Veterinary College, Great College Street, London, N.W.1—The Bursar (July 10).

PROFESSOR OF METALLURGY in the Imperial College of Science and Technology—The Academic Registrar, University of London, Senate House, W.C.1 (January 31).

PROFESSOR OF FORESTRY in the University of Oxford—The Registrar, University Registry, Oxford.

ASSISTANT IN GEOLOGY in the University of Aberdeen—The Secretary.

A MICROSCOPIST, A PHOTOGRAPHER and AN ASSISTANT to DIRECTOR OF RESEARCH to the Printing and Allied Trades Research Association—The Director of Research, 10 Robin Hood Court, London, E.C.4.

## Reports and other Publications

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Annual Report of the Zoological Society of Scotland for the Year ending 31st March 1939. Pp. 60+6 plates. (Edinburgh: Zoological Society of Scotland.) [225]

Empire Cotton Growing Corporation. Annual Report for the Season 1937-1938. Pp. ii+55. (London: Empire Cotton Growing Corporation.) [225]

John Innes Horticultural Institution. Twenty-ninth Annual Report for the Year 1938. Pp. 24. (London: John Innes Horticultural Institution.) [235]

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, 1935-1936. Pp. v+337. (London: H.M. Stationery Office.) 5s. net. [235]

Proceedings of the Royal Society of Edinburgh, Session 1938-1939. Vol. 59, Part 1, No. 8: Lunar Atmospheric Pressure Variations at Glasgow. By Dr. B. A. Robb and T. R. Tannahill. Pp. 81-90. 1s. Vol. 59, Part 1, No. 9: Sources of Variation in Human Birth Weights. By Dr. H. P. Donald. Pp. 91-108. 1s. 6d. Vol. 59, Part 1, No. 10: On the Invariance of Quantized Field Equations. By Dr. K. Fuchs. Pp. 109-121. 1s. (Edinburgh: Robert Grant and Son, Ltd.; London: Williams and Norgate, Ltd.) [245]

Freshwater Biological Association of the British Empire. Seventh Annual Report for the Year ending 31st March 1939. Pp. 98. (Amble-side: Freshwater Biological Association of the British Empire.) [245]

Institute of British Geographers. Publications Nos. 9 and 10: Transsections; and Structure, Surface and Drainage in South-East England. By Dr. S. W. Wooldridge and David L. Linton. Pp. xvi+124. (London: George Philip and Son, Ltd.; Liverpool: Philip, Son and Nephew, Ltd.) 12s. 6d. [265]

Proceedings of the Royal Society of Edinburgh, Session 1938-1939. Vol. 59, Part 2, No. 11: The Relation between Mathematics and Physics. By Prof. P. A. M. Dirac. (James Scott Lecture.) Pp. 122-129. 9d. Vol. 59, Part 2, No. 12: The Molecular Spectra of the Hydrogen Isotopes, 2: The Assumption of a Common Potential Function for the Isotopic States. By Dr. Ian Sandeman. Pp. 130-140. 1s. Vol. 59, Part 2, No. 13: Expressions for Generalised Hypergeometric Functions in Multiple Series. By Prof. T. M. MacRobert. Pp. 141-144. 6d. (Edinburgh: Robert Grant and Son, Ltd.; London: Williams and Norgate, Ltd.) [265]

Amgueddfa Genedlaethol Cymru: National Museum of Wales. Plants in the Service of Man: Handbook to a Temporary Exhibition, May 1st-November 4th, 1939. By H. A. Hyde. Pp. 32. (Cardiff: National Museum of Wales.) 3d. [265]

### Other Countries

U.S. Department of the Interior: Office of Education. Bulletin, 1938, No. 13: Statistics of the Education of Negroes, 1933-34 and 1935-36. By David T. Blose and Ambrose Caliver. Pp. vii+67. (Washington, D.C.: Government Printing Office.) 10 cents. [255]

U.S. Department of Agriculture. Circular No. 520: Wildlife of the Atlantic Coast Salt Marshes. By W. L. McAtee. Pp. 28+6 plates. (Washington, D.C.: Government Printing Office.) 10 cents. [255]

Proceedings of the U.S. National Museum. Vol. 86, No. 3058: Two New Atlantic Species of Dog Sharks, with a Key to the Species of Mustelus. By Stewart Springer. Pp. 461-468. (Washington, D.C.: Government Printing Office.) [255]

Studies from the Connaught Laboratories, University of Toronto. Vol. 10, 1938. 56 Papers. (Toronto: University of Toronto Press.) [265]

Proceedings of the U.S. National Museum. Vol. 86, No. 3060: A Revision of the Toadfishes referred to *Porichthys* and related Genera. By Carl L. Hobbs and Leonard P. Schultz. Pp. 473-496. Vol. 86, No. 3062: Eleven New Species and Three New Genera of Oceanic Fishes collected by the International Fisheries Commission from the Northeastern Pacific. By Wilbert McLeod Chapman. Pp. 501-542. (Washington, D.C.: Government Printing Office.) [305]

U.S. Department of Agriculture. Circular No. 516: Control of Cyclamen and Broad Mites on Gerbera. By Floyd F. Smith. Pp. 16. 5 cents. Miscellaneous Publication No. 350: The Wildlife Restoration Program under the Pittman-Robertson Act of 1937. By Albert M. Day. Pp. 12. 5 cents. Technical Bulletin No. 634: Food of Game Ducks in the United States and Canada. By A. C. Martin and F. M. Uher. Pp. 157+153 plates. 40 cents. (Washington, D.C.: Government Printing Office.) [305]

Scientific Reports of the Imperial Agricultural Research Institute, New Delhi, for the Year ending 30th June 1938. Pp. iv+131+7 plates. (Delhi: Manager of Publications.) 3.4 rupees; 5s. 3d. [305]

Indian Association for the Cultivation of Science. Annual Report for the Year 1938. Pp. 34. (Calcutta: Indian Association for the Cultivation of Science.) [305]

Journal of the Indian Institute of Science. Vol. 22A, Part 8: Reactions of Chromates at High Temperatures. Part 9: Thermal Decomposition of Chromium Trioxide. By D. S. Datar and S. K. K. Jatkar. Pp. 119-126. 12 annas. Vol. 22A, Part 9: Researches on Utilisation of Cane Molasses, Part 2: Preparation of Mixed Calcium Salts of Organic Acids from Cane Molasses and its Technical Applications. By T. R. Bhaskaran, S. C. Pillai and V. Subrahmanyam. Pp. 127-138. 1 rupee. (Bangalore: Indian Institute of Science.) [305]

Canada: Department of Mines and Resources: Mines and Geology Branch, Bureau of Mines. Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories), July to December 1937. (No. 788.) Pp. iv+137. (Ottawa: King's Printer.) [305]

Field Museum of Natural History. Report Series, Vol. 11, No. 3: Annual Report of the Director to the Board of Trustees for the Year 1938. (Publication 443.) Pp. 305-474+plates 25-36. (Chicago: Field Museum of Natural History.) 1 dollar. [305]

Kurasia Septentrionalis Antiqua. 12, 1938. Pp. 248. (Helsinki: Akateeminen Kirjakauppa.) 250 Fmk. [305]

Statens Meteorologisk-Hydrografiska Anstalt. Årsbok, 18, 1936. iii: Vattenståndet vid Rikets kuster. Pp. 24. 3.00 kr. iv: Meteorologiska iakttagelser i Sverige, Band 78. Pp. x+108. 7.00 kr. Årsbok, 18-19, 1936-1937. vi: Aerologiska iakttagelser i Sverige, 1936-1937. Pp. 12. 3.00 kr. Årsbok, 19, 1937. v: Hydrografiska mätningar i Sverige. Pp. 12. 3.00 kr. Meddelande, Serien Uppsatser. No. 26: Temperaturklimatets ändring i nuvarande tid och dess orsak. Av Anders Ångström. Pp. 14. No. 27: Temperature Measurements in an Air Layer very close to a Snow Surface. By Alf Nyberg. Pp. 234-275. No. 28: Bemerkungen betreffs Verdunstung von dem Wasser eines eingetauchten Kessels mit artificielle Umrührung und von freien Wasseroberflächen. Von Anders Ångström. Pp. 6. (Stockholm: Statens Meteorologiska-Hydrografiska Anstalt.) [315]

Meddelande från Lunds Astronomiska Observatorium. Ser. 2, No. 100: On the Existence of a Systematic Error in the Estimated Magnitudes of Galaxies. By Erik Holmberg. Pp. 19. Ser. 2, No. 101 (Historical Notes and Papers No. 15): Die Astronomie in Griechenland am 18 Jahrhundert. Von D. Kotsakis. Pp. 8. Ser. 2, No. 104: Ein Untersetzer mit nur zwei Hochvakuumröhren für jede Stufe. Von K. E. Forsman. Pp. 6. Ser. 2, No. 105: On the Nature of the Fundamental Equations in Stellar Statistics. By W. Gyllenberg. Pp. 14. No. 153: On the Abel-Schwarzschild Functional Equation and its Astronomical Applications. By Knut Lundmark. Pp. 22. Ser. 1, No. 152: A Statistical Problem of Integration. By Erik Holmberg. Pp. 14. (Lund: Astronomiska Observatorium.) [315]

Soologiese Navorsing van die Nasionale Museum. Deel 1, Stuk 8: A New Frog from Thaba'nchu. By Dr. A. C. Hoffman. Pp. 89-96. Argeologiese Navorsing van die Nasionale Museum. Deel 1, Stuk 9 en 10: Some Aspects in South African Archaeology; A Preliminary Account of New South African Cultures. By Dr. Ir. E. C. N. Van Hoepen. Pp. 79-98+plates 32-37. (Bloemfontein: National Museum.) [315]