

## Appointments Vacant

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

ASSISTANT CLINICAL PATHOLOGIST in the Preventive Medicine Department Laboratories of the University of Bristol—The Secretary (August 28).

ASSISTANT IN AGRICULTURAL ZOOLOGY in the University of Aberdeen—The Secretary (September 1).

ASSISTANT LECTURER AND DEMONSTRATOR IN ZOOLOGY AND COMPARATIVE ANATOMY in University College, Cardiff—The Registrar (September 3).

ASSISTANTS (grade III) in the Meteorological Office—The Secretary (S.2.A.), Air Ministry, Adastral House, Kingsway, London, W.C.2 (September 7).

DEMONSTRATOR IN BIOLOGY in the Royal Veterinary College and Hospital, Camden Town, London, N.W.1—The Secretary (September 7).

SECRETARY to the Institution of Civil Engineers—The Chairman of the Selection Committee, Institution of Civil Engineers, Great George Street, Westminster, S.W.1 (November 1).

JUNIOR SCIENTIFIC OFFICER (PHYSICIST) at the Fuel Research Station, Greenwich—The Establishment Officer, Department of Scientific and Industrial Research, 16, Old Queen Street, London S.W.1 (quote *J.* 37/11).

## Official Publications Received

### Great Britain and Ireland

British Non-Ferrous Metals Research Association. Research Reports Association Series, No. 449: Creep of Non-Ferrous Metals and Alloys: a Review of Published Information. By W. A. Baker. Pp. 19. (London: British Non-Ferrous Metals Research Association.) 2s. [217]

Report of the Harper Adams College Advisory Department, April 1936—March 1937. (Advisory Report, No. 12.) Pp. 23. (Newport, Shropshire: Harper Adams Agricultural College.) [227]

Forestry Commission. Seventeenth Annual Report of the Forestry Commissioners for the Year ending September 30th, 1936. Pp. 42. (London: H.M. Stationery Office.) 9d. net. [227]

International Lighthouse Conference, Berlin, 1937. Coloured Glass for Lighthouse Purposes. By J. G. Holmes. Pp. 53. (Smethwick: Chance Brothers and Co., Ltd.) [237]

Technical Publications of the International Tin Research and Development Council. Series A, No. 55: The Determination of Cadmium in Tin-Rich Alloys. By Prof. D. Hanson and Dr. W. T. Pell-Walpole. Pp. 6. Free. Series A, No. 56: The Electrodeposition of Tin from Acid Sulphate Solutions. By A. W. Hotherhall and W. N. Bradshaw. Pp. 16. Free. (London: International Tin Research and Development Council.) [237]

Research Association of British Rubber Manufacturers. Seventeenth Annual Report for the Year 1936. Pp. 86. (Croydon: Research Association of British Rubber Manufacturers.) [267]

Imperial Economic Committee. Fruit Supplies, 1936, including Vegetables, Flowers and Bulbs. A Supplement to Weekly Fruit Intelligence Notes prepared in the Intelligence Branch of the Imperial Economic Committee. Pp. 108. (London: H.M. Stationery Office.) 2s. 6d. net. [287]

University of Bristol. The Annual Report of the Agricultural and Horticultural Research Station (the National Fruit and Cider Institute), Long Ashton, Bristol, 1936. Pp. 206. (Bristol: The University.) [287]

Eighteenth Annual Report of the Ministry of Health, 1936-37. (Cmd. 5516.) Pp. x+328. (London: H.M. Stationery Office.) 5s. net. [48]

Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 50: A Ten Years' Experiment on the Spread of Leaf Roll in the Field. By Paul A. Murphy and J. B. Loughnane. Pp. 567-580. 1s. Vol. 21 (N.S.), No. 51: Investigations on a Molecular Constant for Sour Milk. By G. T. Pyne and J. J. Ryan. Pp. 581-586. 1s. Vol. 21 (N.S.), No. 52: The Chemical Constituents of Lichens found in Ireland—*Pertusaria concreta* Nyl. form *Westringii* Nyl., by J. Breen, Dr. J. Keane and Dr. T. J. Nolan; No. 53: The Chemical Constituents of Lichens found in Ireland—*Parmelia conspersa* Ach., by Margaret Mohan, Dr. J. Keane and Dr. T. J. Nolan. Pp. 587-594. 1s. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) [48]

City of Leicester Municipal Libraries. Fifty-eighth Report to the City Council, 1st April 1936 to 31st March 1937. Pp. 20. (Leicester: Leicester Municipal Library.) [48]

### Other Countries

State of Illinois: Department of Registration and Education, Division of the Natural History Survey. Bulletin, Vol. 21, Article 2: Responses of the Large-mouth Black Bass to Colors. By Frank A. Brown, Jr. Pp. iii+33-56. (Urbana: Illinois State Natural History Survey.) [217]

Memoirs of the Faculty of Science and Agriculture, Taihoku Imperial University. Vol. 18, No. 7 (Mathematics, No. 22): Beiträge zur Geometrie der Kreise und Kugeln (18), von Sôzi Matamura; Über Flächen und Kurven (7), von Sôzi Matamura. Pp. 185-202. Vol. 18, No. 8 (Mathematics, No. 23): On a Pair of Surfaces mutually Related (6). Von Sôzi Matamura. Pp. 203-214. Vol. 18, No. 9 (Mathematics, No. 24): Über Flächen und Kurven (18). Von Sôzi Matamura. Pp. 215-228. (Taihoku: Taihoku Imperial University.) [227]

Hyderabad Geological Series. Bulletin No. 2: A Brief Outline of the Geological History of Hyderabad State, with a Reference to its Mineral Resources. By Khurshid Mirza. Pp. iii+58. (Hyderabad: Geological Survey Department.) 1 rupee. [227]

United States National Museum. Bulletin 153: Birds collected by the Childs Frick Expedition to Ethiopia and Kenya Colony. By Herbert Friedmann. Part 2: Passeres. Pp. xii+506+14 plates. (Washington, D.C.: Government Printing Office.) 70 cents. [237]

Proceedings of the California Academy of Sciences, Fourth Series. Vol. 22, No. 4: No. 33, The Hemiptera of the Templeton Crocker Expedition to Polynesia in 1934-1935. By E. P. Van Duzee. Pp. 111-126. (San Francisco: California Academy of Sciences.) [237]

Regenwaarnemingen in Nederlandsch-Indië. Zes en vijftigste Jaargang, 1934. Pp. 129. (Batavia: Koninklijk Magnetisch en Meteorologisch Observatorium.) [237]

Nyasaland Protectorate: Geological Survey Department. Colonial Development: Water Supply Investigation—Progress Report (No. 6) for the Year 1936. Pp. 15+2 maps. (Zomba: Government Printer.) [267]

Union of South Africa: Department of Irrigation. Magnetic Declination in South Africa (1936) published in connection with the Isogonic Magnetic Map of South Africa, south of Latitude 18° S. for the approximate Epoch, April 1936, particularly of the Union of South Africa. By A. D. Lewis. Pp. 19+2 plates. (Pretoria: Government Printer.) 2s. 6d. [267]

Southern Rhodesia: Geological Survey. Bulletin No. 30: The Geology of the Country Around the Queen's Mine, Bulawayo District. By A. M. MacGregor, J. C. Ferguson and F. L. Amm. Pp. vi+175+20 plates. (Salisbury: Government Stationery Office.) 5s. 6d. [267]

Denkschriften der Schweizerischen Naturforschenden Gesellschaft. Band 72, Abh. 2: Beiträge zur Osteogenese des Knochensystems beim Haushuhn, bei der Haustaube und beim Haubensteissfuß; eine vergleichend osteologische Studie. Von Hans R. Schinz und Rainer Zangerl. Pp. iii+117-165+4 plates. (Zürich: Gebrüder Fretz A.-G.) [267]

Geological Survey of Uganda. Memoir No. 3: The Volcanic Area of Bufumbira. Part 2: The Petrology of the Volcanic Field of Bufumbira, South-West Uganda. By Prof. Arthur Holmes (Petrology), and Dr. H. F. Harwood (Chemical Analyses). Pp. xiv+300+5 plates. (Entebbe: Government Printer.) 21s. [267]

Memoirs of the Geological Survey of India. Vol. 71: The Geology of Gangpur State, Eastern States. By Dr. M. S. Krishnan. Pp. vii+181+xlvi+19 plates. (Calcutta: Geological Survey of India.) 6.12 rupees; 11s. [267]

Royal Agricultural Society, Egypt. Technical Bulletin No. 30: Experiments in Egypt on the Interaction of Factors in Crop Growth. 6: Further Experiments on the Nitrogenous and Phosphatic Manuring of Cotton. By Frank Crowther, Adolf Tomford and Ahmed Mahmoud. Pp. 56. (Cairo: Royal Agricultural Society.) [277]

Annales Bryologiques: a Year-Book devoted to the Study of Mosses and Hepatics. Edited by Fr. Verdoorn. Vol. 9 (1936). Pp. iv+160. (Leiden: Chronica Botanica Co.; London: W. Dawson and Sons, Ltd.) 6 guilders. [48]

Smithsonian Institution: United States National Museum. Bulletin 168: Nearctic Collembola or Springtails, of the Family Isotomidae. By J. W. Folsom. Pp. iii+144+39 plates. (Washington, D.C.: Government Printing Office.) 30 cents. [48]

Bulletin of the American Museum of Natural History. Vol. 73, Art. 6: Catalogue of the Meteorites in the American Museum of Natural History as of October 1, 1935. By Dr. Chester A. Reed. Pp. 517-672. Vol. 73, Art. 7: The Sense Organs involved in the Courtship of *Storeria*, *Thamnophis* and other Snakes. By G. K. Noble. Pp. 673-725. (New York: American Museum of Natural History.) [48]

U.S. Department of Agriculture. Circular No. 433: Crow—Waterfowl Relationships, based on Preliminary Studies on Canadian Breeding Grounds. By E. R. Kahmbach. Pp. 36. 10 cents. Circular No. 436: Production and Agricultural Use of Sodium Nitrate. By Albert B. Merz and C. C. Fletcher. Pp. 12. 5 cents. (Washington, D.C.: Government Printing Office.) [48]

State of Connecticut: State Geological and Natural History Survey. Bulletin No. 57: The Amphibia of Connecticut. By Lewis Hal Babbitt. Pp. 50+20 plates. (Hartford, Conn.: State Geological and Natural History Survey.) [48]

Industrial Research Bureau. Bulletin No. 10: Indian Vegetable Oils. By N. Brodie. Pp. viii+116. (Delhi: Manager of Publications.) [48]

Annual Report of the Imperial Dairy Expert for the Year 1935-36. Pp. ii+24+6 plates. (Delhi: Manager of Publications.) 1.4 rupees; 2s. [48]

Department of Agriculture, Mauritius: Sugarcane Research Station. Bulletin No. 14: A Preliminary Study of Root Characters as affecting Drought Resistance in Two Sugarcane Varieties and in their Seedlings. By Dr. H. Evans. Pp. 20. (Port Louis: Government Printer.) [48]

Report of the Aeronautical Research Institute, Tôkyô Imperial University. No. 153: The Moment of the Fluid Pressure acting on a Flat Plate in a Semi-infinite Stream bounded by a Plane Wall. 2: Case of Upper Boundary. By Susumu Tomotika and Isao Imai. Pp. 473-517. (Tôkyô: Kôgyô Tosho Kabushiki Kaisha.) 50 sen. [48]

Smithsonian Institution: Bureau of American Ethnology. Bulletin 114: Fox Miscellany. By Truman Michelson. Pp. v+124. (Washington, D.C.: Government Printing Office.) 25 cents. [48]

### Catalogues, etc.

Edwards' Vacuum Pipe Line Installations. Pp. 8. (London: W. Edwards and Co.)

Polaroid and Polarized Light. By Prof. A. F. C. Pollard. Pp. 24. (London: Polaroid Products, Ltd.) 1s.