

BIOCHEMIST (with a good honours degree and preferably with some experience of microbiology) to collaborate in work of sulphur metabolism—Prof. C. Rimington, University College Hospital Medical School, University Street, London, W.C.1.

CHEMICAL ENGINEERS (with an honours degree in chemistry or chemical engineering, A.R.I.C., A.M.I.Chem.E. or equivalent, with at least three years industrial experience of chemical engineering) in the Department of Atomic Energy, Risley, to draw up flowcharts and to co-ordinate the experimental work of several large laboratories; to supply design offices with detailed information on processes and operations involved; and to appraise new or modified chemical processes associated with atomic energy—The Department of Atomic Energy, Industrial Group Headquarters, Risley, Warrington, quoting CDE.97/10/01.

GOVERNMENT CHEMIST (with a degree in agricultural chemistry, and a knowledge of soils and soil analysis) in Zanzibar, for duties which will include the general chemistry of agricultural products, a small amount of forensic work, analysis and survey of soil, routine analysis of coconut oil and mangrove bark—The Director of Recruitment, Colonial Office, Great Smith Street, London, S.W.1, quoting CDE.97/10/01.

LECTURER (with a degree in horticulture or horticultural botany) in **HORTICULTURE**, in the Faculty of Agriculture, Makerere College, East Africa—The Secretary, Inter-University Council for Higher Education in the Colonies, 1 Gordon Square, London, W.C.1.

METALLURGISTS (with H.S.C. (science) or equivalent, and preferably with experience in metallurgical laboratory work, including metallography) at the Royal Aircraft Establishment, Farnborough, for (a) Metallographic work on fatigue of metals with special reference to effects of different micro-structures; (b) Research on extrusion and metallography of aluminium and magnesium alloys involving new and interesting techniques—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting F.236/54A.

METEOROLOGIST (Agricultural) (with second-class honours degree in physics or mathematics, or equivalent with seven years' experience as a professional meteorologist, and preferably with experience in tropical or sub-tropical countries), in the Gold Coast Local Civil Service—The Director of Recruitment, Colonial Office, Great Smith Street, London, S.W.1, quoting BCD.57/13/02.

PHYSICAL CHEMIST (preferably with experience in photochemical work) to undertake fundamental research on the photochemical tendering of fabrics—The Secretary, British Rayon Research Association, Barton Dock Road, Urmston, near Manchester.

PHYSICIST (with an honours degree), for work which is concerned with the physical principles (excluding electronics) and incidental problems associated with the development and manufacture of scientific instruments—The Director, British Scientific Instrument Research Association Laboratories, "Sira", Southill, Elmstead Woods, Chislehurst, Kent.

SCIENTIFIC OFFICER (with first- or second-class honours degree, or equivalent, in mathematics or physics) at the R.A.F. Station near Oxford, for operational research duties in connexion with aerial photography—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.313/53A.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

The British Civil Service 1954-1954. By Wyn Griffith. Pp. 32+4 plates. (London: H.M. Stationery Office, 1954.) 1s. net. [242]

The Civil Service in the Constitution. By Prof. K. C. Wheare. (A lecture delivered before the University of London, on 16 February 1954, to commemorate the centenary of the Northcote-Trevelyan Report.) Pp. ii+34. (London: The Athlone Press. Distributed by Constable and Co., Ltd., 1954.) 2s. 6d. net. [242]

Royal Institute of Chemistry. Register of Fellows and Associates at 31 October 1952. Pp. xx+594. (London: Royal Institute of Chemistry, 1953.) [242]

National Institute of Agricultural Botany. Farmers' Leaflet No. 2 (Revised January 1954): Varieties of Spring Wheats and Spring Barleys. (Recommended lists for 1954.) Pp. 4. Farmers' Leaflet No. 8 (Revised January 1954): Varieties of Winter Wheats. (Recommended List for 1954.) Pp. 4. Farmers' Leaflet No. 9 (Revised January 1954): Varieties of Winter Oats and Winter Barleys. (Recommended List for 1954.) Pp. 4. Farmers' Leaflet No. 13 (January 1954): Varieties of Spring Oats. (Recommended List for 1954.) Pp. 4. Farmers' Leaflet No. 14: Cereal Quality. Pp. 4. Seed Growers' Leaflet No. 14: Growing Cereals for Seed. Pp. 4. (Cambridge: National Institute of Agricultural Botany, 1954.) [242]

Open Boat Whaling in the Azores: The History and Present Methods of a Relic Industry. By Robert Clarke. (Discovery Reports, Vol. 26, pp. 281-354+plates 13-18.) (Cambridge: At the University Press, 1954.) 21s. net. [242]

"The Engineer" Buyers Guide. 1954 Edition. Pp. 648. (London: "The Engineer," 1954.) 5s. [242]

Department of Scientific and Industrial Research. Forest Products Research Bulletin No. 30: Mechanics of Sawing: Band and Circular Saws. By P. Harris. Pp. iv+30. (London: H.M. Stationery Office, 1954.) 1s. 6d. net. [242]

"Question," Vol. 6, No. 2. (Spring 1954.) Edited by H. Westmann. (Springs of Action: Contributed by M. B. Foster, P. B. Medavar, K. B. S. Smellie and Otto Van Der Sprekel.) Pp. ii+111-184. (London: Hammond, Hammond and Co., Ltd., 1954.) 3s. 6d. net. [242]

Carnegie Trust for the Universities of Scotland. Fifty-Second Annual Report (for the year 1952-53). Submitted by the Executive Committee to the Trustees on 22nd February 1954. Pp. iv+72. (Edinburgh: T. and A. Constable, Ltd., 1954.) [242]

Society for the Promotion of Nature Reserves. Handbook—1953. Pp. 48+1 plate. (London: Society for the Promotion of Nature Reserves, British Museum (Natural History), 1954.) [242]

Ministry of Fuel and Power. Reports of H.M. Inspectors of Mines under the Coal Mines Act, 1911, for the year 1952. North Western Division. By G. Hoyle. Pp. ii+30+4 plates. (London: H.M. Stationery Office, 1954.) 1s. 9d. net. [242]

Scientific Proceedings of the Royal Dublin Society. Vol. 26 (N.S.). No. 13, January 29, 1954: The Barnesmore Granite Complex, County Donegal. By G. P. I. Walker and G. P. Leedal. Pp. 207-244+plate 14. 8s. No. 14, January 26, 1954: The Garnetiferous Beds of the Leinster Granite Aureole and Their Small-Scale Structures. By J. C. Brindley. Pp. 245-262+plate 15. 5s. No. 15, January 25, 1954: Blood Copper Deficiency in Offaly Cattle. By B. J. Senior, E. J. Sheehy, G. F. O'Sullivan and J. O'Donovan. Pp. 263-274. 2s. (Dublin: Royal Dublin Society, 1954.) [252]

Other Countries

Province of Quebec: Game and Fisheries Department. Ninth Annual Report of the Biological Bureau, for the period November 1st, 1950 to April 1st, 1952. Pp. 552. (Montreal: Province of Quebec, Game and Fisheries Dept., 1953.) [162]

Publications of the United States Naval Observatory. Second Series. Vol. 17, Part 2: Observations of Double Stars made with the 26-inch Equatorial of the U.S. Naval Observatory 1945-49. By U. S. Lyons and L. R. Wylie. Pp. 65-86. (Washington, D.C.: Government Printing Office, 1954.) [162]

Department of the Army: Corps of Engineers. Beach Erosion Board. Technical Memorandum No. 43: On Ocean Wave Spectra and a New Method of Forecasting Wind-Generated Sea. By Gerhard Neumann. Pp. iii+42. (Washington, D.C.: Beach Erosion Board: Office of Chief of Engineers, 1953.) [242]

Yale University Publications in Anthropology. Nos. 49 and 50: Excavations at Wari, Ayacucho, Peru. By Wendell C. Bennett. Pp. 126+12 plates. On the Excavation of a Shell Mound at Palo Seco, Trinidad, B.W.I. By J. A. Bullbrook. Pp. 114. (2 parts in one volume.) (New Haven, Conn.: Yale University Press; London: Oxford University Press, 1953.) 3 dollars. [242]

Bulletin of the American Museum of Natural History. Vol. 103, Article 2: Mating Behaviour Patterns in Two Sympatric Species of Xiphophorus Fishes. Their Inheritance and Significance in Sexual Isolation. By Eugenie Clark, Lester R. Aronson and Myron Gordon. Pp. 135-226+plates 1-9. (New York: American Museum of Natural History, 1954.) 1.50 dollars. [242]

Records of the Botanical Survey of India. Vol. 16, No. 1: The Flora of Khandala on the Western Ghats of India. By Dr. H. Santapau. Pp. xvii+396+3 plates. 32 rupees; 49s. Vol. 16, No. 2: Studies in Indian Berberidaceae from Botanical, Chemical and Pharmaceutical Aspects. By Dr. R. Chatterjee. Pp. iv+86+7 plates. 9 rupees, 2 annas; 14s. 6d. (Delhi: Manager of Publications, 1953.) [242]

Annual Report of the Director of Forestry. 1 April 1952 to 31 March 1953. Pp. 80. (Wellington, N.Z.: New Zealand Forest Service, 1953.) [242]

National Art Gallery and Dominion Museum. Report of the Board of Trustees for the year ended 31 March 1953. Pp. 18. (Wellington, N.Z.: Government Printer, 1953.) [242]

Smithsonian Miscellaneous Collections. Vol. 122, No. 7: The Geology of Chaco Canyon, New Mexico, in Relation to the Life and Remains of the Prehistoric Peoples of Pueblo Bonito. By Kirk Bryan. Pp. vi+66+11 plates. (Publication 4140.) (Washington, D.C.: Smithsonian Institution, 1954.) [242]

Chicago Natural History Museum. Fieldiana: Zoology. Vol. 54, No. 23: Some Mammals of Yemen and Their Ectoparasites. By Colin Campbell Sanborn and Harry Hoogstraal. Pp. 229-252. 35 cents. Vol. 34, No. 24: Amphibians and Reptiles of Yemen. By Karl P. Schmidt. Pp. 253-262. 15 cents. Fieldiana: Geology. Vol. 10, No. 16: Fresh-Water Limestone from the Torola Valley, North-eastern El Salvador. By Sharat Kumar Roy and Robert Kriss Wyant. Pp. 173-192. 50 cents. Fieldiana: Botany. Vol. 28, No. 3: Contributions to the Flora of Venezuela. From Ericaceae through Compositae. By Julian A. Steyermark and collaborators. (Publication 724.) Pp. ii+499-678. (Chicago: Chicago Natural History Museum, 1953.) [242]

Smithsonian Institution: National Collection of Fine Arts. Catalog of American and European Paintings in the Gellatly Collection. Fourth edition. (Publication 4143.) Pp. 20+13 plates. (Washington, D.C.: Smithsonian Institution, 1954.) [242]

New Zealand: Department of Scientific and Industrial Research. Apia Observatory, Apia, Western Australia. Magnetic and Meteorological Results for 1951. Pp. iv+114. (Wellington, N.Z.: Government Printer, 1953.) [242]

41st Indian Science Congress, Hyderabad—Deccan, 1954. Section of Botany; Presidential Address: Origin, Development and Structure of Important Vegetable Fibres. By Dr. B. C. Kundu. Pp. 22. (Calcutta: Indian Science Congress Association, 1954.) [252]

Indian Forest Bulletin No. 172 (New Series): Silviculture. An Investigation into Thinning Cycles for Young *Chir* (*Pinus longifolia*) in New Forest, Dehra Dun. By V. S. Krishnaswamy and G. S. Mathauda. Pp. ii+10. (Delhi: Manager of Publications, 1953.) 14 annas; 1s. 3d. [252]

Fisheries Research Board of Canada. Bulletin No. 99: Artificial Freshets and Other Factors Controlling the Ascent and Population of Atlantic Salmon in the La Have River, Nova Scotia. By F. R. Hayes. Pp. iii+47. 60 cents. Bulletin No. 100: Spoilage Problems in Fresh Fish Production. By C. H. Castell. Pp. vi+35. (Ottawa: Queen's Printer, 1953 and 1954.) [252]

Canada: Department of Agriculture. Annual Report of the Director of Science Service for the year ended March 31, 1953. Pp. 56+4 plates. (Ottawa: Queen's Printer, 1953.) [252]

Arid Zone Programme. Directory of Institutions Engaged in Arid Zone Research. Pp. xi+110. (Paris: UNESCO; London: H.M. Stationery Office, 1953.) 1.50 dollars; 8s. 6d.; 400 French francs. [252]

Scientific Reports of the Indian Agricultural Research Institute for the year ended 30th June, 1951. Pp. ii+120. (Delhi: Manager of Publications, 1953.) 4 rupees, 6 annas, 7d. [252]

Royal Alfred Observatory, Mauritius. Result of Magnetical and Meteorological Observations. New Series, Monthly. Vol. 29, Parts 1-12. (Mauritius: Royal Alfred Observatory, 1950.) [252]