

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 6 p.m.—Dr. T. Vickerstaff: "Scientific Aspects". (Second of three Cantor Lectures on "Colour in Modern Life".)

APPOINTMENTS VACANT

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

GRADE B LECTURER (with an honours degree) IN MATHEMATICS IN THE DEPARTMENT OF MATHEMATICS AND PHYSICS—The Director of Education, The Polytechnic, 309 Regent Street, London, W.1 (November 22).

LECTURER (medical or non-medical graduate) IN ANATOMY—The Secretary, Institute of Ophthalmology (University of London), Judd Street, London, W.C.1 (November 23).

LECTURER (Grade II) IN PSYCHOLOGY—The Registrar, The University, Bristol (November 25).

LECTURER OR ASSISTANT LECTURER AT THE TIDAL INSTITUTE AND OBSERVATORY—The Registrar, The University, Liverpool, quoting Ref. CV/422 (November 25).

JUNIOR LECTURER, LECTURER OR SENIOR LECTURER IN PHYSICS at Massey University College of Manawatu, Palmerston North, New Zealand—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (New Zealand and London, November 29).

BIOCHEMIST (with an honours degree in biochemistry or equivalent) IN THE DEPARTMENT OF STEROID BIOCHEMISTRY, to study the biosynthesis and metabolism of androgenic steroids—The Secretary of University Court, The University, Glasgow (November 30).

LECTURER (graduate in science with qualifications in botany or agricultural botany, and preferably with training in crop or plant physiology) IN BOTANY—The Secretary, West of Scotland Agricultural College, 6 Blythswood Square, Glasgow, C.2 (November 30).

SENIOR DEMONSTRATORS (2) (with a science degree with physics as a major subject, preferably with honours, and some teaching experience) IN PHYSICS at the University of Queensland, Australia—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (London and Brisbane, November 30).

CHAIR OF ZOOLOGY at the University of Malaya—The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (London and Kuala Lumpur, December 7).

LECTURER IN ORGANIC CHEMISTRY at QUEEN'S COLLEGE, Dundee—The Secretary, University of St. Andrews, Queen's College, Dundee (December 7).

LECTURER (with special interest in one or more of the following fields: soils, conservation or geomorphology) IN GEOGRAPHY—The Secretary, University College, Gower Street, London, W.C.1 (December 7).

ASSISTANT KEEPER (Grade I or Grade II) IN THE DEPARTMENT OF ZOOLOGY—The Secretary, National Museum of Wales, Cardiff (December 10).

CHAIR OF BIOLOGY (with special reference to ecology)—The Secretary, University of Lancaster, Bailrigg House, Lancaster (December 14).

SENIOR LECTURER IN PHYSICAL CHEMISTRY at the University of Western Australia—The Registrar, University of Western Australia, Nedlands, Western Australia; or The Secretary, Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, December 14).

CHAIR OF PHYSIOLOGY at St. Mary's Hospital Medical School—The Academic Registrar, University of London, Senate House, London, W.C.1 (December 17).

LECTURER IN GEOCHRONOLOGY AND ISOTOPE GEOLOGY IN THE DEPARTMENT OF GEOLOGY—The Registrar, The University, Leeds 2 (January 1).

MASTER TO TEACH BOTANY to Scholarship level (any other science subject, particularly chemistry, would be welcome)—The Headmaster, Blundell's School, Tiverton, Devon.

POST-DOCTORAL RESEARCH ASSISTANT, for work in the field of colour centres in the alkali halides—Dr. P. W. M. Jacobs, Department of Chemistry, Imperial College, London, S.W.7.

RESEARCH STUDENT (with a good honours degree) IN THE DEPARTMENT OF HUMAN BIOLOGY AND ANATOMY, for developing methods of fixation and embedding for electron microscopy—Prof. R. Barer, The University, Sheffield.

RESPIRATORY PHYSIOLOGIST, for work mainly in the wide-open field of high-pressure physiology—The Superintendent, Royal Naval Physiological Laboratory, Alverstoke, Hants.

TECHNICIAN OR STUDENT TECHNICIAN FOR THE BIOLOGY DEPARTMENT—The Secretary, Royal Free Hospital Medical School, 8 Hunter Street, London, W.C.1.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

The Institute of Physics and The Physical Society. Problems Facing University Physics Department. (A Report prepared by a Committee appointed by the Council of The Institute of Physics and The Physical Society.) Pp. 26. (London: The Institute of Physics and The Physical Society, 1963.) [49]

Meteorological Office. Scientific Paper No. 18: Airflow Around a Model of the Rock of Gibraltar. By J. Briggs. Pp. 20. (M.O. 744). (London: H.M. Stationery Office, 1963.) 3s. net. [49]

Publications of the Royal Observatory, Edinburgh. Vol. 3, No. 4: The Effect of Rotation on Balmer Line Intensities of B-Type Stars. By B. N. G. Guthrie. Pp. 83-107. (Edinburgh and London: H.M. Stationery Office, 1963.) 6s. net. [49]

Bulletin of the British Museum (Natural History). Entomology. Vol. 14, No. 2: The Acridoidea (Orthoptera) of Madagascar. 3: Pygomorphidae. By V. M. Dirsh. Pp. 49-103. 16s. Geology. Vol. 8, No. 6: Certain Palaeozoic Fishes and the Evolution of the Snout in Actinopterygians. By Dr. Brian George Gardiner. Pp. 255-325+plates 1 and 2. 20s. Vol. 9, No. 1: The Ordovician Trilobite Faunas of South Shropshire, IV. By Dr. William Thornton. Pp. 1-18+plates 1 and 2. 9s. (London: British Museum (Natural History, 1963.) [49]

Department of Scientific and Industrial Research. Summary of Progress of the Geological Survey of Great Britain and the Museum of Practical Geology for the year 1962, with Report of the Geological Survey Board. Pp. iii+91. (London: H.M. Stationery Office, 1963.) 5s. 6d. net. [109]

The Society for Analytical Chemistry. Report of the Analytical Methods Committee, 1961/62. Pp. 31. (London: The Society for Analytical Chemistry, 1963.) [109]

Ministry of Housing and Local Government. Sixth Progress Report of the Standing Technical Committee on Synthetic Detergents. Pp. 12. (London: H.M. Stationery Office, 1963.) [109]

Other Countries

United States Department of the Interior: Geological Survey. Professional Paper 297-C: Exploration for Beryllium at the Helen Beryl, Elkhorn and Tin Mountain Pegmatites, Custer County, South Dakota. By Mortimer H. Staatz, Lincoln R. Page, James J. Norton, and V. R. Wilmarth. Pp. iv+129-198+plates 13-20. Professional Paper 341-C: Geology and Ore Deposits of the Itabira District, Minas Gerais, Brazil. By John van N. Dorr and Aluizio Lelcino de Miranda Barbosa. Pp. v+110+8 plates. Professional Paper 369: Geology of San Nicolas Island, California. By J. G. Vedder and Robert M. Norris. Pp. vi+65+plates 1-5. (Washington, D.C.: Government Printing Office, 1963.) [109]

United States Department of the Interior: Geological Survey. Geophysical Abstracts, No. 198, July 1963. By James W. Clarke, Dorothy B. Vitaliano, Virginia S. Neuschel, and others. Pp. iii+573-664. 35 cents. Geophysical Abstracts, No. 199, August 1963. By James W. Clarke, Dorothy B. Vitaliano, Virginia S. Neuschel, and others. Pp. iii+665-750. 35 cents. (Washington, D.C.: Government Printing Office, 1963.) [109]

United States Department of the Interior: Geological Survey. Water-Supply Paper 1613-B: Availability of Fresh Ground Water, Montauk Point Area, Suffolk County, Long Island, New York. By Nathaniel M. Perlmutter and Frank A. DeLuca. Pp. iv+39+plates 1 and 2. Water-Supply Paper 1615-D: Principles of Siphons With Respect to the Artificial-Recharge Studies in the Grand Prairie Region, Arkansas. By R. T. Sniegocki and J. E. Reed. Pp. iii+19. Water-Supply Paper 1619-BB: Ground-Water Exploration and Test-Pumping in the Halma-Lake Bronson Area, Kittson County, Minnesota. By George R. Schiner. Pp. iv+38+plates 1 and 2. Water-Supply Paper 1619-CC: Ground Water in the Raft River Basin, Idaho, with special reference to Irrigation Use, 1956-60. By M. J. Mundorff and H. G. Sisco. Pp. iii+23+plate 1. Water-Supply Paper 1669-1: Water Regimen of the Inner Valley of the San Pedro River Near Mammoth, Arizona, (a Pilot Study). By Harry G. Page. Pp. iii+22+plates 1 and 2. Water-Supply Paper 1669-M: Specific-Yield and Particle-Size Relations of the Quaternary Alluvium, Humboldt River Valley, Nevada. By Philip Cohen. Pp. iv+24. (Washington, D.C.: Government Printing Office, 1963.) [189]

United States Department of the Interior: Geological Survey. Professional Paper 297-D: Geology and Pegmatites of the Fourmile Quadrangle, Black Hills, South Dakota. By Jack A. Redden. Pp. v+199-291+plates 21-23. Professional Paper 372-H: General Summary of Effects of the Drought in the Southwest. By H. E. Thomas. Pp. iii+22. Professional Paper 386-C: Relation Between Dual Acidity and Structure of H-Montmorillonite. By Alfred M. Pommer. Pp. iii+23. (Washington, D.C.: Government Printing Office, 1963.) [189]

Sandia Corporation. Fallout Report: Beta-Gamma Radioactivity in Air at Sandia Laboratory, July thru December 1962. By R. E. Womelsdoff. Pp. 14. (Albuquerque, New Mexico: Sandia Corporation, 1963. Available from the Office of Technical Services, Department of Commerce, Washington, 25, D.C.) 50 cents. [189]

Bulletin of the American Museum of Natural History. Vol. 125, Article 3: The Miocene Faunas from the Wounded Knee Area of Western South Dakota. By James Reid Macdonald. Pp. 139-238. (New York: American Museum of Natural History, 1963.) 3 dollars. [189]

Forest Research Institute, Dehra Dun. Indian Forest Leaflet No. 165: *Rauwolfia serpentina*: Further Studies (with 3-year-old plants) on Methods of Propagation and their Effect on Root Production and Alkaloidal Content of Roots. By R. L. Badhwar, B. M. Beri, G. V. Karira, S. Ramaswami and H. Sethi. Pp. 15. (Delhi: Manager of Publications, 1962.) Rs. 1.35 nP.; 3s. 2d. [189]

The Resources Agency of California: Department of Fish and Game. Fish Bulletin 122: The Kelp Bass (*Paralabrax clathratus*) and Its Fishery, 1947-1958. By Parke H. Young. Pp. 67. Fish Bulletin 123: The California Oyster Industry. By E. M. Barrett. Pp. 103. (Sacramento: State of California, Department of Fish and Game, 1963.) [189]

Conseil Permanent International pour l'Exploration de la Mer, Service Hydrographique, Charlottenlung-Slot, Danemark. ICES Oceanographic Data Lists, 1958, No. 1. Pp. xxiii+259. (Copenhagen: Andr. Fred. Høst et Fils, 1963.) 15 D.kr. [189]

Conseil National de la Politique Scientifique. Rapport Annuel 1962. Pp. 171. (Bruxelles: Conseil National de la Politique Scientifique, 1963.) [189]

Engineering Digest, Vol. 1, No. 1, (January-March 1963.) (For Departmental circulation only). Pp. xviii+1-64. (Andhra Pradesh: Public Works, Electricity, Highways and Public Health Department, 1963.) [189]

Indian Forest Records, (New Series). Mycology. Vol. 2, No. 3: Fungal Diseases of Sal (*Shorea robusta* Gaertn. & Fils). Part IV: *Fomes caryophylli* (Rac.) Bres., a Destructive Heart-Rot of Sal. By Dr. K. Bagchee. Pp. iv+25-59+20 plates. (Delhi: Manager of Publications, 1961.) Rs. 10.00; 16s. [189]

Geological Survey Department, Suva, Fiji. Bulletin 8: The Geology of the Tavua Area, Viti Levu, (Viti Levu Sheet 1). By P. Ibbotson. Pp. iv+25. 5s. Economic Investigation No. 2: Wainivesi Zinc Property, Tailvevu—Diamond Drilling, 1961-62. By P. Rodda. Pp. iv+12. (Suva, Fiji: Geological Survey Department, 1962 and 1963.) [189]

Comptes Rendus des Travaux du Laboratoire Carlsberg. Vol. 33, No. 4: Investigations on Mitochondria in Homogenates of the Amoeba *Chaos chaos* L. By Nils Andresen and Charles W. Mushett. Pp. 265-287. 4 kr. Vol. 33, No. 5: Normal Versus Synchronized Division in *Tetrahymena pyriformis*—a Study with Antimetabolites. By G. G. Holz, Jr., L. Rasmussen and E. Zeuthen. Pp. 289-300. 3 kr. Vol. 33, No. 6: A Freeze-Drying Procedure for Protozoa. By K. K. Hjelm and K. Max Møller. Pp. 301-317. 3 kr. (Copenhagen: Danish Science Press, Ltd., 1963.) [189]

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