

research or progressive public library) at Fourah Bay College, The University College of Sierra Leone—The Inter-University Council, 33 Bedford Place, London, W.C.1 (November 14).

CHAIR OF ZOOLOGY at the University of Hong Kong—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Hong Kong and London, November 15).

SENIOR LECTURER or LECTURER (with extensive experience with digital computers and particular interests in one or more of the following fields: numerical techniques, compilers and programming languages, computer systems programming, and the design of systems for information programming which are based on computers) IN THE COMPUTER CENTRE, Monash University—The Academic Registrar, Monash University, Wellington Road, Clayton, Victoria, Australia, or The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (November 16).

CHAIR OF BOTANY—The Registrar, University College of Swansea, Singleton Park, Swansea, South Wales (November 17).

RESEARCH ASSOCIATE or SENIOR RESEARCH ASSOCIATE IN THE DEPARTMENT OF INORGANIC CHEMISTRY, to work on the chemistry of boron in collaboration with Prof. N. N. Greenwood—Prof. Greenwood, Department of Inorganic Chemistry, The University, Newcastle upon Tyne (November 19).

CHAIR IN THE DEPARTMENT OF ANATOMY—The Registrar and Secretary, The University, Bristol (November 21).

CHAIR IN THE DEPARTMENT OF PHYSIOLOGY—The Registrar and Secretary, The University, Bristol (November 21).

ASSISTANT LECTURER or LECTURER IN THE SUB-DEPARTMENT OF GEOPHYSICS (within the Department of Physics)—The Registrar, The University, Liverpool, quoting Ref. LV/273 (November 30).

ASSISTANT or ASSOCIATE PROFESSOR (with a Ph.D. in metallurgy, physics or some related discipline from a recognized university, and a strong interest in research) IN PHYSICAL METALLURGY—Prof. A. A. Johnson, Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, 1, New York, U.S.A. (November 30).

PATHOLOGIST, SCIENTIFIC OFFICER/SENIOR SCIENTIFIC OFFICER (with at least a good honours degree) to study virus diseases of plants—The Secretary, Rothamsted Experimental Station, Harpenden, Herts, quoting Ref. 1051/78 (November 30).

LECTURER IN ZOOLOGY AT THE AUSTRALIAN NATIONAL UNIVERSITY—The Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (Australia and London, December 5).

ASSISTANT EXPERIMENTAL or EXPERIMENTAL OFFICER IN THE DEPARTMENT OF ECOLOGY, to work within a team concerned with sheep production from pasture—The Secretary, The Grassland Research Institute, Hurley, Maidenhead, Berkshire.

ASSOCIATE or full PROFESSOR (with either an M.D. or Ph.D. degree or both, with competence and research experience in biochemistry) IN PATHOLOGY—Dr. D. G. Scarpelli, Chairman, Department of Pathology and Oncology, University of Kansas Medical Center, Kansas City, Kansas 66103, U.S.A.

CHAIR OF MATHEMATICS or SENIOR LECTURER IN MATHEMATICS at the University of Malawi—The Inter-University Council, 33 Bedford Place, London, W.C.1.

GRADUATE ASSISTANT IN THE BIOCHEMISTRY DEPARTMENT to work on the nature and properties of fluorescent material in calcified tissues—The School Secretary, Royal Dental Hospital School (University of London), Leicester Square, London, W.C.2.

LECTURER or ASSISTANT LECTURER (or, exceptionally, Senior Lecturer) IN MATHEMATICS—The Assistant Registrar (Establishment), The University of Sussex, Stanmer House, Stanmer, Brighton, Sussex.

LECTURER (with previous training in ocular pathology and preferably experience in electron microscopy) IN PATHOLOGY—The Director, Department of Pathology, Institute of Ophthalmology (University of London), Judd Street, London, W.C.1.

POSTDOCTORAL FELLOW (biochemist, with some experience in plant biochemistry and enzymology) IN THE CHEMICAL LABORATORY, to study the biosynthesis of alkaloids in higher plants, under the direction of Prof. A. I. Scott—The Assistant Registrar (Establishment), The University of Sussex, Stanmer House, Stanmer, Brighton, Sussex.

SENIOR GEOLOGIST (with a first or upper-second class honours degree in geology, with three years postgraduate experience, experience in independent research, igneous and/or metamorphic rocks, structural geology and prospecting and training in economic geology) IN GUYANA, to organize a team of geologists for geological mapping and prospecting and in the investigation of mineral deposits—The Ministry of Overseas Development, Room 301, Eland House, Stag Place, London, S.W.1, quoting Ref. RC. 218/25/05.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Philosophical Transactions of the Royal Society of London. Series A: Mathematical and Physical Sciences. No. 1111, Vol. 260 (19 August, 1966): Planetary Waves on a Hemisphere Bounded by Meridians of Longitude. By M. S. Longuet-Higgins. Pp. 317-350. (London: The Royal Society, 1966.) 12s. 6d.; \$1.85. [188]

Annals of the Cape Observatory, Vol. 21: Cape Photographic Catalogue for 1950. Zones -64° to -80°. Prepared under the direction of R. H. Stoy. Pp. 1+367. (London: H.M. Stationery Office, 1966.) 87s. 6d. [188]

Forestry Commission Booklet No. 16: Forest Management Tables. By R. T. Bradley, J. M. Christie and D. R. Johnston. Pp. vi+218. (London: H.M. Stationery Office, 1966.) 30s. net. [198]

National Research Development Corporation, Seventeenth Report 1965-66. Pp. 56. (London: H.M. Stationery Office, 1966.) 4s. 6d. net. [198]

The Seventeenth Annual Report of the Wildfowl Trust. Edited by Hugh Boyd. Illustrated by Peter Scott. Pp. 123+68 photographs. (Slimbridge: The Wildfowl Trust, 1966.) 17s. 6d.; \$8. [228]

The Cotton Silk and Man-Made Fibres Research Association, Shirley Institute Pamphlet No. 91: Fibre Data Summaries: a Handbook of Data on 28 Principal Textile Fibres. Edited by J. E. Ford. Pp. 128. (Didsbury, Manchester: The Cotton Silk and Man-Made Fibres Research Association, 1966.) 30s. (15s. to members.) [228]

Meteorological Office. Scientific Paper No. 23: Surface and 900 mb Wind Relationships. By J. Findlater, T. N. S. Harrower, G. A. Howkins, and H. L. Wright. Pp. 41. (Met. O-773.) (London: H.M. Stationery Office, 1966.) 5s. 6d. net. [228]

Royal Observatory Bulletins. No. 117: Dynamics of Self-Gravitating Gaseous Spheres, I—The Collapse of an Isothermal Gas Sphere. By M. V.

Penston. Pp. E299-E312. 2s. 6d. net. No. 118: The Cassegrain Spectrograph of the Yapp 36-inch Reflector at Herstmonceux. By J. D. Pope, D. R. Palmer and J. B. Alexander. Pp. E315-E322. 2s. 6d. net. No. 119: The *B-V* of the Sun. By J. B. Alexander and R. Stansfield. Pp. E325-E329. 1s. 6d. net. (London: H.M. Stationery Office, 1966.) [228]

Forestry Commission. Forty-Sixth Annual Report of the Forestry Commissioners for the year ended 30th September 1965. Pp. 67+8 plates. 9s. 6d. net. Booklet No. 7: The Plan of Operations: a Guide to the Preparation of the Plan of Operation for Dedicated and Approved Woodlands. Pp. iii+42. 4s. net. Booklet No. 15: Know Your Conifers. By Herbert L. Edlin. Pp. 56. 5s. net. Booklet No. 18: Forestry in the Landscape. By Sylvia Crowe. Pp. 31. 3s. 6d. net. Bulletin No. 38: The Great Spruce Bark Beetle, *Dendroctonus micans*, in North West Europe. By J. M. B. Brown and D. Bevan. Pp. 41+34 plates. 10s. 6d. net. Forest Record No. 57: The Relationship Between Resin Pressure and Scolytid Beetle Activity. By A. R. Barlow. Pp. 6. 1s. net. Forest Record No. 58: Check List of Forestry Commission Publications, 1919-65. By H. L. Edlin. Pp. 59. 4s. 6d. net. Forest Record No. 39: Collection of Cones from Standing Trees. By D. T. Seal, J. D. Matthews and R. T. Wheeler. Pp. 48. 6s. net. Leaflet No. 32: Pine Looper Moth: *Bupalus piniarius*. By D. Bevan. Pp. 12. 2s. net. (London: H.M. Stationery Office, 1965 and 1966.) [228]

### Other Countries

United States Department of the Interior: Geological Survey. Bulletin 1163-C: Surficial Geology of the Athol Quadrangle, Worcester and Franklin Counties, Massachusetts. By Donald F. Eechman. Pp. iii+20+plates 1 and 2. Bulletin 1222-G: Coking-Coal Deposits of the Western United States. By Paul Averitt. Pp. iv+48. \$0.25. Water-Supply Paper 1613-F: Salt-Water Encroachment in Southern Nassau and Southeastern Queens Counties, Long Island, New York. By N. J. Lusczynski and W. V. Swarzenski. Pp. iv+76+plates 1-5. \$1. Water-Supply Paper 1648: Arizona Water. By J. W. Harshbarger, D. D. Lewis, H. E. Skibitzke, W. L. Heckler, and L. R. Kister, revised by H. L. Baldwin. Pp. v+85. Water Supply Paper 1814: Geology and Water Resources of Winnebago County, Wisconsin. By Perry G. Olcott. Pp. v+61+plates 1-4. Water-Supply Paper 1819-E: Salinity of the Ground Water in Western Pinal County, Arizona. By L. R. Kister and W. F. Hardt. Pp. iv+21+plates 1 and 2. Water-Supply Paper 1819-F: Recharge Studies on the High Plains in Northern Lea County, New Mexico. By John S. Havens. Pp. vii+52+plates 1-4. Professional Paper 491-B: Effects of Juniper and Pinon Eradication on Streamflow from Corduroy Creek Basin, Arizona. By M. R. Collings and R. M. Myrick. Pp. iii+12. \$0.20. Professional Paper 498-A: Hydrochemical Facies and Ground-Water Flow Patterns in Northern Part of Atlantic Coastal Plain. By William Back. Pp. iv+42+plate 1. Professional Paper 499: Interpretation of Resistivity Data. By Robert G. Van Nostrand and Kenneth L. Cook. Pp. xi+310+plates 1-5. Professional Paper 507: Geology and Coal Reserves of the Kermit and Varney Area, Kentucky. By John W. Huddle and Kenneth J. Englund. Pp. iv+83+plates 1-8. Professional Paper 524-B: Stratigraphy and Structure of the Dinkey Creek Roof Pendant in the Central Sierra Nevada, California. By R. W. Kistler and P. C. Bateman. Pp. iii+13+plate 1. Professional Paper 526-A: Geology and Coal Resources of the Livingston Coal Field, Gallatin and Park Counties, Montana. By Albert E. Roberts. Pp. iv+56+plates 1-8. Topographic Instructions of the United States Geological Survey. Leveling—Book 2, Chapters 2E1-2E5. Pp. viii+63. \$0.50. Water-Supply Paper 1816: Water in the Humboldt River Valley Near Winnemucca, Nevada. By Philip Cohen. Pp. vi+69+plate 1. Water-Supply Paper 1830-A: Floods of January-February 1963 in California and Nevada. By L. E. Young and E. E. Harris. Pp. iv+47+plate 1. (Washington, D.C.: Government Printing Office, 1966.) [228]

Metropolitan Life Insurance Company. Statistical Bulletin, Vol. 47 (May 1966): Worldwide Rise in Motor Vehicle Accident Fatalities, Widows and Widowhood. The Cycle of Viral Hepatitis Mortality from Thyroid Disorders. Pp. 12. (New York: Metropolitan Life Insurance Company, 1966.) [248]

Geological Report on the Lower Pleistocene Deposits of the Ubeidiya Excavations. By L. Picard and U. Baida. (The Lower Pleistocene of the Central Jordan Valley—The Excavations at Ubeidiya, 1960-1963.) Pp. 39+8 plates. (Jerusalem: The Israel Academy of Sciences and Humanities, 1966.) [248]

A Bibliography of Fossil Man. Part 2: 1955-1963. Compiled by George E. Fay. Pp. 99. (Oshkosh, Wisconsin: Department of Sociology and Anthropology, Wisconsin State College, 1964.) [248]

United States Department of the Interior: Geological Survey. Bulletin 1156-E: A Hydrologic Analysis of Postulated Liquid-Waste Releases—Brookhaven National Laboratory, Suffolk County, New York. By Wallace de Laguna. Pp. vi+51. \$0.25. Bulletin 1280-B: Mineral Resources of the Spanish Peaks Primitive Area, Montana. By George E. Becraft, James A. Calkins, Eldon C. Pattee, Robert D. Weldin and Joseph M. Roche. Pp. vi+45+plates 1 and 2. Water-Supply Paper 1586-E: Record Low Tide of December 31, 1962, on the Delaware River. Pp. iv+20. \$0.15. Water-Supply Paper 1586-G: Fresh-Water Discharge-Salinity Relations in the Tidal Delaware River. By W. B. Keighton. Pp. iii+16. \$0.15. Professional Paper 352-G: Channel and Hillslope Processes in a Semiarid Area, New Mexico. Pp. iv+193-253. \$0.50. Professional Paper 524-D: The Cretaceous-Noncretaceous and Stratigraphy of Rocks Adjacent to the Cretaceous-Tertiary Boundary, Western San Juan Basin, New Mexico. By Elmer H. Baltz, Sidney R. Ash and Roger Y. Anderson. iii+23+plate 1. \$0.55. Professional Paper 550-B: Geological Survey Research 1966, Chapter B. Pp. v+227. \$2. (Washington, D.C.: Government Printing Office, 1966.) [248]

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Registered as a newspaper at the General Post Office

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