

PHYSICIST and a PHYSICAL CHEMIST (of Ph.D. standing, preferably with research experience in a related field) to join a team engaged in basic long-term research into the photoconducting behaviour of organic materials—The Director, Arthur D. Little Research Institute, Inveresk Gate, Musselburgh, Midlothian.

POST-DOCTORAL FELLOW for research on the biological control of glycogen metabolism (aspects involving both enzymology and metabolism are under investigation)—Dr. N. B. Madsen, Department of Biochemistry, University of Alberta, Edmonton, Alberta, Canada.

POST-DOCTORAL RESEARCH FELLOW in Solid State Physics, for work on the transport and optical properties of insulating solids—The Registrar, The University, Leicester.

RESEARCH ASSISTANT (honours graduate in engineering or physics) IN ESTUARINE HYDRAULICS, to study the regime of the Clyde Estuary, with special reference to sediment movement—The Professor of Civil Engineering, Royal College of Science and Technology, George Street, Glasgow, C.1.

RESEARCH ASSISTANT (preferably with experience in cytology) to take part in a programme designed to study human chromosome abnormalities and associated disorders—The Secretary, Genetics Department, The University, Sheffield, 10.

RESEARCH ASSISTANT (with a Ph.D. or considerable research experience in metallurgy, physics, or chemistry) IN METALLURGY, for investigations concerned with physical and chemical reactions occurring in thin oxide films formed on surfaces of metals—Dr. J. S. Ll. Leach, Metallurgy Department, Imperial College of Science and Technology, London, S.W.7.

SCIENTIFIC OFFICER or SENIOR SCIENTIFIC OFFICER (graduate in physics or physical chemistry) IN THE BIOPHYSICS DEPARTMENT, to become a member of a team investigating the structure and properties of viruses and of virus-antibody complexes—The Secretary, Research Institute (Animal Virus Diseases), Pirbright, Surrey.

SCIENTIFIC OFFICER/SENIOR SCIENTIFIC OFFICER (with at least a first- or good second-class honours degree with a special knowledge of entomology and preferably experience of tropical stored products problems), for research on biological problems of tropical stored products—The Director, Tropical Stored Products Centre, Pest Infestation Laboratory, London Road, Slough, Bucks.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

- National Institute of Oceanography. Collected Reprints, Vol. 10. Pp. iv + Reprints Nos. 362-404. (Wormley, Godalming: National Institute of Oceanography, 1962.) [215]
- Ministry of Housing and Local Government: Scottish Development Department. Clean Air Act 1956: Memorandum on Chimney Heights. Pp. 10. (London: H.M. Stationery Office, 1963.) [215]
- Science Museum, London. Science Library Bibliographical Series. No. 785: Intracellular Lipids. Pp. 5. (London: Science Museum, 1963.) 1s. 3d. [215]
- Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences. No. 731, Vol. 246 (16 May 1963): Changes in Depth and Time of Certain Chemical and Physical Conditions and of the Standing Crop of *Asterionella formosa* Hass. in the North Basin of Windermere in 1947. By J. W. G. Lund, F. J. H. Mackereth and C. H. Mortimer. Pp. 255-290. 13s. 6d.; 2 dollars. No. 732, Vol. 246 (16 May 1963): The Ultrastructure of Nucleoli and Chromosomes During the Early Stages of Liver Regeneration and the Changes Produced in these Structures by X-Radiation. By J. M. G. Davis. Pp. 291-303 + plates 15-25. 21s.; 3.15 dollars. (London: The Royal Society, 1963.) [215]
- Royal Anthropological Institute. Index to Current Periodicals received in the Library of the Royal Anthropological Institute, Vol. 1, Part I, (January-March 1963). Pp. xxi + 81. Four parts per annum. Annual subscription: 40s.; 5.80 dollars. (London: Royal Anthropological Institute, 1963.) [245]
- Bulletin of the British Museum (Natural History). Zoology. Vol. 10, No. 9: New Marine Nematodes from Off the Coast of South Africa. By William G. Inglis. Pp. 529-552. (London: British Museum (Natural History), 1963.) 13s. [245]
- Tobacco Research Council. Research Papers, No. 3: The Constituents of Tobacco Smoke: an Annotated Bibliography—Second Supplement. Edited by E. G. N. Berry. Pp. ii + 24. (London: Tobacco Research Council, 1963.) [245]
- Oxford University Gazette, Supplement (4) to No. 3157, (23 May 1963): Future Requirements of the Science Department—Report by Sir William Holford. Pp. 1253-1266. (Oxford: The University, 1963.) [245]
- Society for Analytical Chemistry: Analytical Methods Committee—Particle Size Analysis Sub-Committee. Classification of Methods for Determining Particle Size: a Review. Reprinted from *The Analyst*, March, 1963, Vol. 88, No. 1044, Pp. 156-187. (London: Society for Analytical Chemistry, 1963.) 5s. [245]
- The Three Cultures. By Prof. H. Irving. (An Inaugural Lecture delivered in the University of Leeds on 3 December 1962.) Pp. i + 26. (Leeds: The University Press, 1963.) 2s. 6d. [245]
- Meteorological Office. Geophysical Memoirs, No. 107. (Second Number, Vol. 14): Report on a Tornado at Malta, 14 October 1960. By T. H. Kirk and D. T. J. Dean. Pp. ii + 25 + 3 plates. (London: H.M. Stationery Office, 1963.) 7s. net. [245]
- University of Hull: Department of Geography. Occasional Papers in Geography. No. 1 (1963): Man and the Natural Environment. By Prof. H. R. Wilkinson. Pp. 35. (Hull: Department of Geography, The University, 1963.) 4s. [295]
- The Murphy Chemical Co., Ltd., Summer Spraying for Red Spider, Codling and Tortrix. Pp. 4. (Wheatthampstead, St. Albans: The Murphy Chemical Co., Ltd., 1963.) [295]
- The Murphy Chemical Co., Ltd. The Control of Strawberry Pests, Diseases and Weeds. Pp. 6. Pest and Disease Control, including All Year Round Chrysanthemums. Pp. 6. (Wheatthampstead, St. Albans: The Murphy Chemical Co., Ltd., 1963.) [295]
- Footprints on the Sands of Time, 1863-1963: The Story of the House of Livingstone, (Medical, Scientific, Nursing and Dental Publishers). Pp. 71. (Edinburgh and London: E. & S. Livingstone, Ltd., 1963.) [295]
- Manchester Public Libraries. Current Abstracts and Indexes in the Technical and Commercial Libraries. Pp. ii + 42. (Manchester: Technical Librarian, Central Library, 1963.) 10s. 6d. [295]
- Ciba (A.R.), Ltd. Ciba Technical Notes, No. 246, (June, 1963): Transformer Encapsulation by Ferranti. Pp. 6. (Duxford: Ciba (A.R.), Ltd., 1963.) [295]

### Other Countries

- Nederlandse Vereniging voor Weer- en Sterrenkunde. Observations of Variable Stars, July-December 1962, Report No. 3. Pp. 6. (Groningen: Kapteyn Astronomical Laboratory, 1963.) [245]
- Canada: Department of Mines and Technical Surveys. Publications of the Dominion Observatory, Ottawa. Vol. 22, No. 10: Bibliography of Seismology—Items 13999-14534, July-December 1961. By J. H. Hodgson and F. E. Langill. Pp. 259-285. (Ottawa: Queen's Printer, 1962.) 1 dollar. [245]
- Euratom-Information, Vol. 1, No. 1, (May 1963). (A publication of the European Atomic Energy Community). Published at two-monthly intervals. Pp. 1-82. Annual subscription 15 dollars. (Düsseldorf: Verlag Handelsblatt G.m.b.H., Kreuz Strasse, 21, 1963.) [245]
- Bibliography of Chinese Mathematics, 1918-1960. Compiled by Dr. Tung-li Yuan. Pp. x + 154. (Washington, D.C.: Dr. Tung-li Yuan, 1723 Webster Street, N.W., 1963.) [245]
- Publications de l'Institut National pour l'Étude Agronomique du Congo. Série Scientifique, No. 102: Contribution à l'Étude de la Densité de Plantation chez les Végétaux. Par T. Marynen. Pp. 79. (Bruxelles: Institut National pour l'Étude Agronomique du Congo, 1963.) 80 francs. [245]
- Annals of the South African Museum. Vol. 46, Part 17: Deep Sea Mollusca from West of Cape Point, South Africa. By K. H. Barnard. Pp. 407-452. (Cape Town: South African Museum, 1963.) 70 cents. [245]
- University of California Publications in Geological Sciences. Vol. 42, No. 3: Petrology and Structural Analysis of Metamorphic Rocks in the Southwestern Sierra Nevada Foothills, California. By Myron G. Best. Pp. 111-158 (5 plates). 1.25 dollars. Vol. 42, No. 4: Structure of Metamorphic Rocks at Mineral King, California. By M. N. Christensen. Pp. 159-198 (4 plates). 1.25 dollars. (Berkeley and Los Angeles: University of California Press; London: Cambridge University Press, 1963.) [275]
- World Health Organization. Public Health Papers, No. 18: Medicine and Public Health in the Arctic and Antarctic—Selected Papers from a Conference. Contributed by K. Lange Andersen and 9 other authors. Pp. 169. 6 Sw. francs; 10s.; 2 dollars. Technical Report Series, No. 253: Conference on Medicine and Public Health in the Arctic and Antarctic, Geneva, 23 August-1 September 1962—Report. Pp. 29. 1 Sw. franc; 1s. 9d.; 0.30 dollars. (Geneva: World Health Organization; London: H.M. Stationery Office, 1963.) [275]
- Institut Royal Météorologique de Belgique. Publications, Série A, No. 13: Les Anomalies de la Variation Séculaire de Champ Magnétique Terrestre en Belgique de 1913 à 1957. Par Dr. L. Koenigsfeldt. Pp. 8. Observations Ionosphériques—Station de Bourbes, Mars 1963. Pp. 26. (Bruxelles: Institut Royal Météorologique de Belgique, 1963.) [275]
- Department of Scientific Affairs, Pan American Union: General Secretariat, Organization of American States; and Inter-American Press Association Technical Center, Inc. Report of the First Inter-American Seminar on Scientific Journalism. Pp. iii + 30. (Washington, D.C.: Department of Scientific Affairs, Pan American Union, 1963.) 25 cents. [275]
- Population Reference Bureau, Inc. *Population Bulletin*. Vol. 19, No. 3 (May 1963): The American Farmer. Pp. 53-80. (Washington, D.C.): Population Reference Bureau, Inc., 1963.) 50 cents. [295]
- Annals of the New York Academy of Sciences, Vol. 105, Article 3: About the Mechanism of Myocardial Necrosis Induced by Sodium Phosphate and Adrenal Corticoid Overdosage. By David Lehr and Marilyn Krukowski. Pp. 135-182. (New York: New York Academy of Sciences, 1963.) [295]
- Canada: Department of Mines and Technical Surveys. Geological Survey of Canada. Memoir No. 330: Banks, Victoria, and Stefansson Islands, Arctic Archipelago. By R. Thorsteinson and E. T. Tozer. Pp. xi + 85 (27 plates). (Ottawa: Queen's Printer, 1962.) 1.50 dollars. [46]
- República Argentina: Secretaría de Marina. Servicio de Hidrografía Naval. Operation Drake Currents, II: Joint Programme of the Argentine Hydrographic Office with A. & M. College of Texas and Lamont Geological Observatory of Columbia University, (December 1962-March 1963). Pp. 22. (Buenos Aires: Secretaria de Marina, Servicio de Hidrografía Naval, 1962.) [46]
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- Oak Ridge National Laboratory: Technical Information Division. Publications, Reports, and Papers for 1962 from Oak Ridge National Laboratory. Edited by K. O. Johnson and Ann S. Klein. Pp. viii + 242. (ORNL-3500, Vol. 2, Special). (Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1963. Available from Office of Technical Services, U.S. Department of Commerce, Washington, D.C.) 8.50 dollars. [46]
- Metropolitan Life Insurance Company. Statistical Bulletin, Vol. 44, (March, 1963): Reduction in Cancer Mortality Among Women. Company Paid 628,000,000 dollars in Death Claims during 1962. Longevity of Industrial Policyholders Rising Slowly. Geographic Variations in Motor Vehicle Accidents. Pp. 12. (New York: Metropolitan Life Insurance Company, 1963.) [46]
- Mettler Analytical and Precision Balances. Mettler 1945-1960—Descriptive Brochure. Pp. 44. Mettler—Descriptive Brochure. Pp. v + 60 plates. (Zurich: Mettler Analytical and Precision Balances.) [46]
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- Bulletin of the American Museum of Natural History. Vol. 125, Article 1: Permian and Eotriassic Bivalves of the Middle Rockies. By Kenneth W. Ciriacks. Pp. 1-100 + plates 1-16. (New York: American Museum of Natural History, 1963.) 4.50 dollars. [56]

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