

LECTURERS or ASSISTANT LECTURERS (2) (preferably qualified to conduct experimental research in some aspect of solid state physics, especially on the physics of semiconductors) in PHYSICS—The Registrar, The University, Sheffield (March 10).

SENIOR LECTURER in PHYSICS—The Registrar, The University, Sheffield (March 10).

W. J. REES RESEARCH FELLOW (with some research experience) in the DEPARTMENT of REFRACTORIES TECHNOLOGY in the Faculty of Metallurgy, to advance knowledge in the field of refractory materials—The Registrar, The University, Sheffield (March 10).

LECTURER in CHEMISTRY at Fourah Bay College, The University College of Sierra Leone—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (March 14).

CHAIR of APPLIED MATHEMATICS in Victoria University of Wellington, New Zealand—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (New Zealand and London, March 15).

SENIOR LECTURER in the DEPARTMENT of GEOGRAPHY, University of the Witwatersrand, Johannesburg, South Africa—The Secretary, Association of Universities of the British Commonwealth (Branch Office), Marlborough House, Pall Mall, London, S.W.1 (South Africa and London, March 15).

POSTDOCTORAL RESEARCH FELLOW in ORGANIC CHEMISTRY, for work which will involve chemical studies of the biosynthesis of pteridines and the mechanism of action of pteridine co-enzymes—The Secretary, The Royal College of Science and Technology, George Street, Glasgow, C.1 (March 16).

SENIOR LECTURER or LECTURER in ZOOLOGY at Makerere University College, East Africa—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, W.C.1 (March 19).

SENIOR LECTURER or LECTURER (specializing in applied mathematics) and a LECTURER (specializing in pure mathematics) in the DEPARTMENT of MATHEMATICS, Fourah Bay College, University College of Sierra Leone—The Secretary, Inter-University Council for Higher Education Overseas, 29 Woburn Square, London, W.C.1 (March 20).

RAMSAY MEMORIAL FELLOWSHIPS (2) (1 limited to candidates educated in Glasgow, who can apply to be considered for either fellowship) FOR ADVANCED STUDENTS OF CHEMISTRY—Joint Honorary Secretaries, Ramsay Memorial Fellowships Trust, University College, Gower Street, London, W.C.1 (April 9).

DRUMMOND SENIOR FELLOW FOR RESEARCH IN NUTRITION—The Hon. Secretary, Drummond Trust, University College, Gower Street, London, W.C.1 (April 10).

UNIVERSITY DEMONSTRATOR in PHYSICS; and ASSISTANT DIRECTOR OF RESEARCH in PHYSICS—The Secretary of the Appointments Committee of the Faculty of Physics and Chemistry, Chemical Laboratory, Lensfield Road, Cambridge (April 21).

CHAIR of CHEMISTRY—The Secretary, University of East Anglia, 4 Cathedral Close, Norwich, NOR. 16P.

LECTURERS and ASSISTANT LECTURERS (with an honours degree or Diploma in Technology in Electrical Engineering and appropriate industrial experience) in the DEPARTMENT of ELECTRICAL ENGINEERING—The Secretary, Northampton College of Advanced Technology, St. John Street, London, E.C.1.

MASTER TO TEACH EITHER MATHEMATICS OR PHYSICS—The Headmaster, Bolton School, Bolton, Lancs.

ORGANIC or BIOCHEMIST (young graduate), to join a team studying the relationship between wheat variety and growth conditions and lipid composition—The Director of Research, British Baking Industries Research Association, Chorleywood, Rickmansworth, Herts.

READER (with a Ph.D. degree in electrical engineering and appropriate research and industrial experience) in ELECTRICAL ENGINEERING, to carry out personal research and supervise postgraduate research students preparing for the Internal M.Sc. and Ph.D. degrees of the University of London—The Secretary, Northampton College of Advanced Technology, St. John Street, London, E.C.1.

RESEARCH ASSISTANT in the DEPARTMENT of ANATOMY, for work on the electron-microscopy of cells in tissue culture—The Secretary, University College, Gower Street, London, W.C.1.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Tweed River Purification Board. Seventh Annual Report for the year to 15th May, 1961. Pp. 46. (Newton St. Boswells: Tweed River Purification Board, 1961.) [2211]

Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences. No. 712, Vol. 244, (23 November 1961): An Acoustic Survey of the Sea Floor South of Dorset and Its Geological Interpretation. By D. T. Donovan and A. H. Stride. With an appendix on the microfauna of certain samples by A. J. Lloyd. Pp. 299-330 + plates 15-18. 17s. No. 713, Vol. 244, (23 November 1961): Studies in the Effect of Weather Conditions on the Activity and Abundance of Insect Populations. By C. B. Williams, F.R.S. Pp. 331-378. 15s. No. 714, Vol. 244, (23 November 1961): A Late Pleistocene Fauna and Flora from Upton Warren, Worcestershire. By G. R. Coope, F. W. Shotton, F.R.S., and I. Strachan. With an appendix on the genus *Psidium* at Upton Warren by S. P. Dance. Pp. 379-421 + plates 19-22. 20s. (London: Royal Society, 1961.) [2311]

The International Nickel Company (Mond), Ltd. Nickel-containing Magnetic Materials: The Properties and Applications. Pp. iii + 52. An Introduction to Low Alloy Constructional Steels. By A. G. Haynes. Pp. 12. (London: The International Nickel Company (Mond), Ltd., 1961.) [2711]

British Museum (Natural History). Economic Series, No. 111A: Domestic Wood-Boring Beetles. By Dr. E. B. Britton. Pp. v + 40. (London: British Museum (Natural History), 1961.) 2s. [2711]

Irish Journal of Agricultural Research, Vol. 1, No. 1 (October, 1961). Pp. 82. Published twice yearly. Annual subscription 20s.; 3 dollars. Single issues 10s.; 1.50 dollars. (Dublin: An Foras Taluntais, 1961.) [2711]

Institution of Electrical Engineers. List of Members, Part 1: Members, Associate Members and Companions. Pp. 624 + 36. (London: Institution of Electrical Engineers, 1961.) [2711]

Plant Pathology: Past, Present and Future. By Prof. J. H. Western. (An Inaugural Lecture delivered in the University of Leeds, 27 February 1961.) Pp. 22. (Leeds: The University Press, 1961.) 2s. 6d. [2711]

Chemical Engineering and Its Educational Challenge. By Prof. G. G. Haselden. (An Inaugural Lecture delivered in the University of Leeds, 6 February 1961.) Pp. 18. (Leeds: The University Press, 1961.) 2s. 6d. [2711]

Other Countries

National Academy of Sciences: National Research Council. NAS-NS 3042: The Radiochemistry of Tungsten. By W. T. Mullins and G. W. Leddicotte. Pp. v + 40. (Washington, D.C.: Office of Technical Services, Department of Commerce, 1961.) 50 cents. [2311]

Koninklijk Nederlands Meteorologisch Instituut. Mededelingen en Verhandelingen. Nr. 77: On the Annual Variation of Climatic Elements of the Indian Ocean. By G. Verploegh. Part 1 Text. Pp. 64. Part 2: 28 Charts. 6 fl. the two parts. Nr. 78: Instruments and Measuring Methods in Paleomagnetic Research. By J. A. As. Pp. 56. 2.50 fl. ('S-Gravenhage: Staatsdrukkerij-en Uitgeverijbedrijf, 1960.) [2311]

Transactions of the American Philosophical Society. New Series, Vol. 51, Part 6: The English Customs Service, 1307-1343—A Study of Medieval Administration. By Prof. Robert L. Baker. Pp. 76. (Philadelphia: American Philosophical Society, 1961.) 2.25 dollars. [2311]

United States Department of Commerce: Coast and Geodetic Survey. Earthquake History of the United States. Part 2: Stronger Earthquakes of California and Western Nevada. By H. O. Wood and N. H. Heck. Revised edition (through 1960), by R. A. Eppley. Pp. v + 55. (Washington, D.C.: Government Printing Office, 1961.) 40 cents. [2711]

Indian Botanical Society. History of Botanical Research in India, Burma and Ceylon. Part 1: Mycology and Plant Pathology. By Prof. S. N. Das Gupta. Pp. iv + 118. Rs. 5.00. Part 2: Systematic Botany of Angiosperms. By Dr. H. Santapau. Pp. vi + 77. Rs. 4.00. Part 3: Palaeobotany. By Dr. A. R. Rao. Pp. vii + 57. Rs. 4.00. Memoirs of the Indian Botanical Society. Edited by T. S. Sadasivan. No. 1: Pp. vi + 159. Rs. 8.50. No. 2: Pp. vi + 101. Rs. 7.50. No. 3: Pp. vi + 209. Rs. 14.00. (Madras: Prof. T. S. Sadasivan, Business Manager, Treasurer and Editor in Chief, Indian Botanical Society, c/o University Botany Department, 1958.) [2711]

Cawthron Institute, Nelson, New Zealand. Annual Report, 1960-61. Pp. 40. Thomas Cawthron Memorial Lecture. No. 35: Science as an Aid to Understanding. By His Excellency the Governor-General of New Zealand, (The Viscount Cobham, G.C.M.G., T.D.). Pp. 19. (Nelson: Cawthron Institute, 1961.) [2711]

New Zealand: Marine Department. Report on Fisheries for 1960. Pp. 23. (Wellington: Government Printer, 1961.) [2711]

New Zealand: Department of Scientific and Industrial Research. Bulletin 137: Little Barrier Island (Hauturu). Compiled by W. M. Hamilton. Second edition. Pp. 198 + 4 maps. (Wellington: Government Printer, 1961.) 30s. [2711]

New Zealand Forest Service. Forestry Research Notes, No. 23: The Resinification of Knots in Radiata Pine. By J. Madder Harris. Pp. 10. (Wellington: Government Printer, 1961.) [2711]

Comptes Rendus des Travaux du Laboratoire Carlsberg. Vol. 32, Nos. 14-15: A Chromatographic Study of Beef Thyroglobulin on Diethylaminoethylcellulose. By Jacob Robbins. Pp. 215-232. An Indicator Paper and a Soray for the Microdetection of Iodine. By Jacob Robbins. Pp. 233-240. 3 kr. 25 øre. Vol. 32, No. 16: Cell Cycle and the Relationship of Growth Rate to Reduced Weight (RW) in the Giant Amoeba *Chaos chaos* L. By P. Satir and E. Zeuthen. Pp. 241-264. 3 kr. 15 øre. Vol. 32, No. 17: Volume Changes in the Amoeba *Chaos chaos* L. By Cicily Chapman-Andrezen and D. A. T. Dick. Pp. 265-289. 3 kr. 25 øre. Vol. 32, No. 18: Investigations on Maltose Utilization in Saccharomyces. 2: A Genetic Study of the Amylose-Fermenting Strain of *S. oviformis*. By C. Roberts and J. Wynants. Pp. 291-304 + 1 plate. 2 kr. 65 øre. Vol. 32, No. 19: Investigations on Maltose Utilization in Saccharomyces. 3: The Genetics of Assimilation in *S. Oviformis*. By C. Roberts, Ø. Winge and J. Wynants. Pp. 305-317. 2 kr. 50 øre. (Copenhagen: Danish Science Press, Ltd. 1961.) [2711]

Reactor Centrum Nederland. Summary of Activities of the Netherlands Reactor Centre. Pp. 28. ('Gravenhage: Reactor Centrum Nederland, 1961.) [2711]

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