

HEAD (with appropriate academic and industrial qualifications) of THE DEPARTMENT OF CHEMISTRY AND BIOLOGY, College of Technology and Commerce, Cardiff—The Director of Education, City Hall, Cardiff.

LABORATORY TECHNICIAN (with some knowledge of chemistry and experience in general workshop practice) whose main duties will be to take charge of Metallurgical Stores, and to prepare samples for laboratory classes—The Registrar, The University, Nottingham.

LABORATORY TECHNICIAN (with general and chemical laboratory experience, and preferably some botanical experience)—Professor of Botany, The University, Edgbaston, Birmingham 15.

LECTURER (with a good honours degree in metallurgy and preferably works experience) IN METALLURGY—The Registrar, The University, Nottingham.

LECTURERS (2) IN MATHEMATICS—The Secretary, Royal Technical College, Glasgow.

SENIOR LECTURER (specializing in stratigraphy-paleontology) IN GEOLOGY—The Dean, College of Arts and Science, Baghdad, Iraq.

CHAIR OF PHYSICS, and CHAIR OF GENERAL CHEMISTRY, at the Royal College of Medicine, Baghdad, Iraq—The Director, Personnel Department, The British Council, 65 Davies Street, London, W.1.

## 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. 929, Vol. 247 (28 December 1954): Two-Dimensional Theory of Elasticity for Finite Deformations. By J. E. Adkins, A. E. Green and G. C. Nicholas. Pp. 279-306. 8s. 6d. No. 930, Vol. 247 (28 December 1954): The Asymptotic Solution of Linear Differential Equations of the Second Order for Large Values of a Parameter. By F. W. J. Olver. The Asymptotic Expansion of Bessel Functions of Large Order. By F. W. J. Olver. Pp. 307-368. 19s. (London: Royal Society, 1954.) [3112]
- Papers of the Royal Commission on Population. Vol. 6: The Trend and Pattern of Fertility in Great Britain—a Report on the Family Census of 1946. By D. V. Glass and E. Grebenik. Part 1: Report. Pp. iii+306. Part 2: Tables. Pp. iv+253. (London: H.M. Stationery Office, 1954.) 70s. net the two parts. [3112]
- Institution of Gas Engineers. Publication No. 450: Origins and Development of Gas for Industrial Purposes. By Dr. Alexander Fleck. (Murdoch Memorial Lecture.) Pp. 28. Publication 452: 15th Report of the Chairman's Technical Committee, 1953-54. Pp. 16. Publication No. 453: Sixth Arthur Duckham Research Fellowship Report, 1953-54. Luminous Flame Radiation in a Small-scale Oil-fired Furnace. By E. P. Hötchen. Pp. 54. Publication 454: 31st Report of the Gas Education Committee, 1953-54. Pp. 29. Publication 457: The Production of Town Gas by the Catalytic Gasification of Petroleum Oils. 2. The Development and Operation of a Commercial Plant. By H. Stanier and J. B. McKean. Pp. 30. Publication 458: Disposal of Products of Combustion from Gas Appliances. By A. R. Bennett and H. Reichert. Pp. 37. (London: Institution of Gas Engineers, 1954.) [31]
- Federation of British Industries. Public School and Grammar School boys in Industry. Pp. 12. (London: Federation of British Industries, 1954.) [31]
- Ministry of Food. Food Standards Committee Report on Colouring Matters; Recommendations relating to the Use of Colouring Matters in Foods. Pp. 27. (London: H.M. Stationery Office, 1954.) 1s. net. [31]
- Modern Storage Equipment and Methods for Special Materials in Libraries. By Robert L. Collison. Pp. 32. (London: R. L. Collison, 7A, Worsley Road, N.W.3, 1955.) 2s. 6d. [31]
- Proceedings of the Royal Irish Academy. Vol. 56, Section A, No. 5: Production and Annihilation of Negative Protons—3. By the Rev. James McConnell. Pp. 45-66. 3s. 6d. Vol. 56, Section B, No. 4: Records from some Irish Lakes. Part 1: Mollusca, *Gammarus*, *Asellus*, Ephemeroptera, and Heteroptera. Part 2: Phytoplankton. By T. T. Maean and J. W. G. Lund. Pp. 135-158. 4s. Vol. 56, Section B, No. 5: The Geology of the Northern End of the Leinster Granite. Part 1: Internal Structural Features. By J. C. Brindley. Pp. 159-190+plates 5-7. 4s. 6d. (Dublin: Hodges, Figgis and Co., Ltd., 1954.) [31]
- Federation of British Industries. Fuel Economy Review, 1955. Pp. 100. (London: Federation of British Industries, 1955.) 5s. [31]
- Hull Bulletins of Marine Ecology. Vol. 3, No. 24: Continuous Plankton Records. The Young Fish and Fish Eggs, 1932-39 and 1946-49. By Dr. G. T. D. Henderson. Pp. 215-252+plates 20-27. 12s. 6d. Bulletins of Marine Ecology (formerly Hull Bulletins of Marine Ecology). Vol. 4, Nos. 27 and 28: Continuous Plankton Records. The Distribution of Lamellibranch Larvae in the North Sea, 1950-51. By Dr. C. B. Rees. The Distribution of Echinoderm and Other Larvae in the North Sea. By Dr. C. B. Rees. Pp. 21-67+plates 7-12. 12s. (Edinburgh: Scottish Marine Biological Association, 1954.) [31]
- Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences. No. 654, Vol. 238 (31 December 1954): Observations on the Cytology and Taxonomy of the Pteridophyte Flora of Ceylon. By Irene Manton and W. A. Sledge. Pp. 127-186+plates 3-14. 40s. No. 655, Vol. 238 (31 December 1954): Sensitivity to Light and the Reactions to Changes in Light Intensity of the Echinoid *Diadema antillarum* Philippi. By N. Millott. Pp. 187-220+plates 15 and 16. 14s. (London: Royal Society, 1954.) [31]
- Observations Made at the Royal Observatory, Greenwich, in the year 1939, in Astronomy, Magnetism and Meteorology, under the direction of Sir H. Spencer Jones. Pp. vii+405+12 plates. (London: H.M. Stationery Office, 1953.) 90s. net. [31]
- Building Research Station Digest. No. 72: Questions and Answers, with further Notes on Emulsion Paints. Pp. 4. (London: H.M. Stationery Office, 1954.) 3d. net. [71]
- Electricity for Industry: Evidence on the Working of the Electricity Supply Industry, 26 October 1954. Pp. 10. (London: Federation of British Industries, 1954.) 1s. [71]

### Other Countries

- Hong Kong University Fisheries Journal. No. 1 (December 1954). Pp. iv+65+12 plates. (Hong Kong: Hong Kong University Press, 1954.) [3112]
- Canada. Department of Northern Affairs and National Resources. National Museum of Canada. Bulletin No. 132: Annual Report of the National Museum of Canada for the fiscal year 1952-53. Pp. iv+313 (18 plates). (Ottawa: Queen's Printer, 1954.) 1.50 dollars. [3112]
- English Version of Introduction and Remarks from the Fifth Supplement to the First Edition of the General Catalogue of Variable Stars (by B. V. Kukarkin, P. P. Parenago, Yu. I. Efremov and P. N. Kholopov, Moscow, 1953), containing information about 70 Variable Stars which were newly named during 1953, and also more precise information about 324 previously named Variable Stars; and from the Sixth Supplement to the First Edition of the General Catalogue of Variable Stars (by B. V. Kukarkin, P. P. Parenago, Yu. I. Efremov and P. N. Kholopov, Moscow, 1954), containing information about 285 Variable Stars which were newly named during 1954, and also more precise information about 343 previously named Variable Stars. Pp. 35. (Leiden: International Astronomical Union, 1954.) [3112]
- Federation of Malaya. Annual Report of the Department of Agriculture for the year 1953. By O. J. Voelcker. Pp. viii+60+5 plates. (Kuala Lumpur: Government Printer, 1954.) 2 dollars; 4s. 8d. [3112]
- New Zealand Forest Service. Annual Report of the Director of Forestry—1 April 1953 to 31 March 1954. Pp. 99. (Wellington: Government Printer, 1954.) [3112]
- Centro Brasileiro de Pesquisas Fisicas. Notas de Fisica No. 15: Quantum Theory of the Emission Process. By Guido Beck. Pp. 13. Notas de Fisica No. 17: The Harmonic Mean Energy for Photon Absorption by Nuclei. By J. Goldemberg and J. Leite Lopes. Pp. 4. (Rio de Janeiro: Centro Brasileiro de Pesquisas Fisicas, 1954.) [3112]
- Nyasaland Protectorate. Annual Report of the Geological Survey Department for the year ended 31st December, 1953. Pp. 26. (Zomba: Government Printer, 1954.) [31]
- Chicago Natural History Museum. Fieldiana: Botany. Vol. 29, No. 1: Revision of the Genus *Cheirodendron* Nutt. Ex Seem., for the Hawaiian Islands. By Earl Edward Sherff. Pp. 45. (Publication 739.) (Chicago: Chicago Natural History Museum, 1954.) 75 cents. [31]
- Fiskeridirektoratets Skrifter. Serie Havundersøkelser. (Reports on Norwegian Fishery and Marine Investigations.) Vol. 11, No. 2: Undersøkelser over torsken i Oslofjorden. Av Finn Otterbech. Pp. 17. (Bergen: A. S. John Grells Boktrykkeri, 1954.) [31]
- Annals of the New York Academy of Sciences. Vol. 58, Art. 7: Tissue Culture Technique in Pharmacology. By C. M. Pomerat, Elmer L. Sevringhaus and 48 other Authors. Pp. 971-1326. Vol. 59, Art. 2: Paul Ehrlich Centennial. By Robert J. Schnitzer, E. Grunberg and 11 other Authors. (New York: New York Academy of Sciences, 1954.) [31]
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- Flora of Egypt. Vol. 3: Angiosperme, part Monocotyledones: Liliaceae—Musaceae. By Dr. Vivi Tackholm and Mohammed Drar. (Bulletin of the Faculty of Science No. 30.) Pp. xliii+644. (Cairo: Cairo University Press, 1954.) [31]
- International Journal of Abstracts on Statistical Methods in Industry. Vol. 1, No. 1 (1954). Pp. viii+39. Annual subscription (3 issues) 9.50 guilders; 18s.; 2.50 dollars. Single issues 3.80 guilders; 7s. 3d.; 1 dollar. (The Hague: International Statistical Institute, 1954.) [71]
- Smithsonian Miscellaneous Collections. Vol. 123, No. 4: Revision of the Flea Genus *Peromyscopysylla*. By Phyllis T. Johnson and Robert Traub. (Publication 4178.) Pp. ii+68. (Washington, D.C.: Smithsonian Institution, 1954.) [71]

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- A. Gallenkamp and Co., Ltd. Revised Price List and Addenda for 12th Edition Catalogue. Vol. 1: General Section. Pp. 162. (London: A. Gallenkamp and Co., Ltd., 1954.)
- W. Watson and Sons, Ltd. Metallurgical Microscopes. Pp. 14. (London: W. Watson and Sons, Ltd., 1954.)
- Cambridge Instrument Company, Ltd. Sheet No. 321: Cambridge Electronic Recorder. Pp. 4. (London and Cambridge: Cambridge Instrument Company, Ltd., 1954.)
- Solus-Schall Limited. Leaflet No. 31: Magnetic Wall Thickness Gauge. Pp. 4. (London: Solus-Schall, Ltd., 1954.)
- Rocke International, Ltd. "Short Catalog" (Brüel and Kjaer, Denmark). Instruments for Electrical, Acoustical, Radioactive, Vibrational, Strain Gauge, Electro Chemical Measurements. Pp. 14. (London: Rocke International, Ltd., 1954.)
- The American Library. Recent Additions. Pp. 36. (London: American Library, 41 Grosvenor Square, 1954.)
- Henry Wiggin and Co., Ltd. Data Sheet—Monel. Pp. 3. (London: Henry Wiggin and Co., Ltd., 1954.)
- Hilger and Watts, Ltd. Polarimeters. (CH 242/7.) Pp. 12. Recording X-ray Diffractometer. (CH 322/8.) Pp. 12. Three-Metre Grating Polychromator with Direct Photoelectric Recording of Spectrum Line Intensity. (CH 385.) Pp. 9+3 plates. Accessories for Infra Red Spectrophotometry. (CH 388/R.) Pp. 5+2 plates. Arc and Spark Stands and Source Units for Spectrochemical Analysis. (CH 387.) Pp. 11+4 plates. New Hilger Spekker Photoelectric Fluorimeter. (Ch 390.) Pp. 4. Hilger Inspection Enlargers. (CT 430/2.) Pp. 10. Hilger Production Projectors for Routine Inspection and for Filing Gauges. (CT 420/4.) Pp. 12. (London: Hilger and Watts, Ltd., 1954.)