

BIOCHEMIST, to work on meat; and a CHEMIST and PHYSICIST, to work on fats—The Director of Research, British Food Manufacturing Industries Research Association, Bandalls Road, Leatherhead, Surrey.

CHAIR OF AIRCRAFT ECONOMICS AND PRODUCTION—The Recorder, College of Aeronautics, Cranfield, Bletchley, Bucks.

DEPUTY DIRECTOR (with a good honours degree in metallurgy and prepared to live in the Cambridge area) OF RESEARCH—Director of Research, British Welding Research Association, 29 Park Crescent, London, W.1.

HOSPITAL PHYSICIST (Senior grade) IN THE DEPARTMENT OF RADIO-THERAPY, Essex County Hospital, Colchester, for work with X-ray therapy apparatus and radium—The Group Secretary, Hospital Management Committee, 14 Pope's Lane, Colchester, Essex.

LABORATORY ASSISTANT (with some skill in glass-blowing)—The Secretary, Rothamsted Experimental Station, Harpenden, Herts.

LECTURER IN AGRICULTURAL CHEMISTRY (Animal Nutrition), and a LECTURER (with a degree in science or agriculture) IN AGRICULTURAL ZOOLOGY—The Bursar, Harper Adams Agricultural College, Newport, Salop.

LECTURER (with good academic qualifications and experience in the food industry) IN FOOD SCIENCE—The Secretary, Royal Technical College, Glasgow.

MATHEMATICIANS (with, or obtaining, a first- or second-class honours degree) at various Ministry of Supply Experimental Establishments, for work in numerous fields of interest, including aerodynamic and structural problems arising in supersonic flight; application of mathematical techniques to control and heat transfer problems of guided missiles; radio propagation; application of high-speed computing techniques to fluid dynamics and solid-mechanics, etc.—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.198/6A.

NUCLEAR PHYSICIST (Group Leader) (with a first-class honours degree in physics and research experience in the study of ionized gases), to lead a team in the field of controlled thermonuclear reactions—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting 1165/34.

RESEARCH ASSISTANT (with qualifications in mathematics, physics or chemistry, and preferably with experience of large-scale computing) IN THE DEPARTMENT OF INORGANIC AND STRUCTURAL CHEMISTRY, to be a member of a small group engaged in preparing programmes for, and carrying out, extensive crystallographic and other scientific calculations on electronic digital computers—Prof. E. G. Cox, School of Chemistry, The University, Leeds 2.

RESEARCH SCHOLARS AND FELLOWS IN THE TEXTILE DEPARTMENT—The Principal, Technical College, Bradford 7.

SENIOR LECTURER IN PHYSICS—Northern Polytechnic, Holloway, London, N.7.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Proceedings of the Royal Irish Academy. Vol. 57, Section A, No. 7: Embeddings of Möbius Bands in 3-Dimensional Space. By R. H. Kyle. Pp. 131-136. 1s. Vol. 57, Section A, No. 8: Double Scattering of Pseudoscalar Mesons. By Alexander H. Barrass. Pp. 137-150. 2s. Vol. 57, Section A, No. 9: Note on the Initial-Value Problem for the Wave Equation in *N* Dimensions. By J. R. Pounder and J. L. Synge. Pp. 151-160. 1s. 6d. Vol. 57, Section A, No. 10: Size, Mobility and Charge of Multiply Charged Ions. By P. J. Noland and T. C. O'Connor. Pp. 161-172. 1s. Vol. 57, Section A, No. 11: The Gravitational Displacement of Spectral Lines. By W. H. McCrea. Pp. 173-182. 1s. 6d. Vol. 57, Section B, No. 12: The Tertiary Volcanic Succession in the Western Part of the Antrim Plateau. By E. M. Patterson. Pp. 155-173+plates 6-8. 3s. 6d. Vol. 57, Section B, No. 13: Productorthis in Ireland. By Alwyn Williams. Pp. 179-184+plate 9. 1s. (Dublin: Hodges, Figgis and Co., Ltd., 1955 and 1956.) [203

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University of Leeds. Annual Report of the Librarian, Session 1954-55. Pp. 12. (Leeds: The University, 1955.) [203

Building Research Station Digest. No. 84: (January, 1956): The Fire Resistance of Prestressed Concrete. Chlorinated Rubber Paints. Colliery Shale as Hardcore or Filling. Corrosion and Damage to Lead in Valley Gutters. Pp. 3. 3d. No. 85 (February, 1956): Questions and Answers. Pp. 3. 3d. (London: H.M. Stationery Office, 1956.) [203

A World to Gain: the Story of the International Conference on the Peaceful Uses of Atomic Energy, held at Geneva, 1955. Prepared by the Atomic Sciences Committee of the Association of Scientific Workers. Pp. iv+23. (London: Association of Scientific Workers, and the Labour Research Department, 1956.) 1s. 6d. [203

Proceedings of the British Society of Animal Production, 1955. Edited by I. L. Mason and G. Wiener. Pp. 122. (Edinburgh and London: Oliver and Boyd, Ltd., 1956.) 15s. [203

Register of Research in the Social Sciences in Progress and in Plan, with a Directory of Research Institutions. No. 12, 1955. Pp. v+163. (London: Cambridge University Press, 1956. Published for The National Institute of Economic and Social Research, London.) 25s. net. [203

Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences. No. 665, Vol. 239 (15 March 1956): The Quaternary Deposits at Hoxne, Suffolk. By R. G. West. Pp. 265-356+plates 4-6. 34s. No. 666, Vol. 239 (15 March 1956): Quantitative Studies on Tissue Transplantation Immunity. 3: Actively Acquired Tolerance. By R. E. Billingham, L. Brent and P. B. Medawar. Pp. 357-414+plates 7-8. 28s. (London: Royal Society, 1956.) [203

Department of Scientific and Industrial Research. Report for the year 1954-55. Pp. 321. (Cmd. 9690.) (London: H.M. Stationery Office, 1956.) 7s. 6d. net. [223

Future Numbers of University Students: the Desperate Need for Technologists. By Lord Simon of Wythenshawe. (Reprinted from *Universities Quarterly*, February 1956.) Pp. 15. (London: Turnstile Press, Ltd., 1956.) 1s. [223

Ministry of Fuel and Power. British Trials in Underground Gasification, 1949-1955. Pp. iv+90. (London: H.M. Stationery Office, 1956.) 8s. net. [223

Philosophical Transactions of the Royal Society of London. Series A: Mathematical and Physical Sciences. No. 957, Vol. 249 (22 March 1956): The Theory of Flame Phenomena with a Chain Reaction. By D. B. Spalding. Pp. 1-25. 8s. No. 958, Vol. 249 (22 March 1956): The Forced Flow Due to Heating of a Rotating Liquid. By T. V. Davies. Pp. 27-64. 12s. (London: Royal Society, 1956.) [223

Department of Scientific and Industrial Research Bill (H.L.). Pp. ii+4. (London: H.M. Stationery Office, 1956.) 6d. net. [233

Ministry of Health. Memorandum on Vaccination Against Smallpox. Pp. 8. (London: H.M. Stationery Office, 1956.) 6d. net. [233

Other Countries

Czechoslovak Academy of Sciences: Astronomical Institute. Publication No. 28: The Outline of the Theory of Distribution and Occurrence of Sunspots on the Solar Disc. By Miloslav Kopecký. Pp. 60. (Praha: Czechoslovak Academy of Sciences, Astronomical Institute, 1956.) [203

World Health Organization. Technical Report Series No. 101: Poliomyelitis Vaccination: a Preliminary Review. Pp. 40. (Geneva: World Health Organization; London: H.M. Stationery Office, 1956.) 1 Swiss franc; 1s. 9d. net.; 0.30 dollars. [203

Union of South Africa: Department of Education, Arts and Science. Archaeological Survey. Archaeological Series No. 7: The Distribution of Prehistoric Rock Engravings and Paintings in South Africa. By Dr. C. van Riet Lowe. Pp. iii+58 (6 figures and 1 map). (Johannesburg: Archaeological Survey, Union Education Department, 1956.) 10s. [203

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Ceylon: Department of Fisheries. Fisheries Research Station. Progress Reports—Biological and Technological. No. 1. Pp. 23. Bulletin No. 3: Commercial Utilization of Dolphins (Porpoises) in Ceylon. By A. W. Lantz and C. Cunasekera. Pp. 14. Administration Report of the Acting Director of Fisheries for 1954. Pp. 30. 90 cents. (Colombo: Government Publications Bureau, 1955.) [203

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United States Department of the Interior. Fish and Wildlife Service. Research Report 40: Survival and Spawning of Gill-Net-Marked Red Salmon. By Philip R. Nelson and Carl E. Abegglen. Pp. ii+19 (3 plates). 20 cents. Research Report 41: Fish and Shellfish Preferences of Household Consumers. By W. H. Stolting, M. J. Garfield and D. R. Alexander. Pp. ii+115. 65 cents. Fishery Bulletin 100: Pink Salmon Tagging Experiments in Icy Strait and Upper Chatham Strait, 1950. By Carl H. Elling and Paul T. Macy. Pp. ii+331-372. 40 cents. Fishery Bulletin 101: Factors Associated with Fluctuations in Abundance of Hudson River Shad. By Gerald B. Talbot. Pp. ii+373-414. 35 cents. Fishery Bulletin 102: Limnological Effects of Fertilizing Bare Lake, Alaska. By Philip R. Nelson and W. T. Edmundson. Pp. ii+415-436. 20 cents. Fishery Bulletin 103: Limnological Study of the Lakes in Convict Creek Basin, Mono County, California. By Norman Reimers, John A. Maciolek and Edwin P. Pister. Pp. iii+437-504. 50 cents. Fishery Bulletin 104: The Gas Bladder and Its Relation to the Inner Ear in *Sardinops Caerulea* and *Engraulis mordax*. By Charles P. O'Connell. Pp. ii+505-534. 25 cents. Circular 33: Control of Small Predators. By Bob L. Burkholder. Pp. 8. 5 cents. Circular 34: Distribution of American Gallinaceous Game Birds. By John W. Aldrich and Allen J. Duvall. Pp. ii+30. 30 cents. (Washington, D.C.: Government Printing Office, 1955.) [203

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