

SCIENTISTS, Grade I (chemists, physicists or, preferably, physical chemists, with not less than a second-class honours degree and a good theoretical knowledge and acquaintance with modern laboratory instruments and techniques) to supervise research on a laboratory scale into known and novel methods of separating coal from shale and other unwanted materials (Ref. TT/559); SCIENTISTS, Grade II/III, with good honours degree, or equivalent, in chemistry, preference being given to physical chemists (Ref. TT/554); SCIENTIFIC TECHNICAL OFFICERS, Grade II/III (chemists or physicists, preferably of degree or H.N.C. standard), to assist in coal carbonization studies and associated analysis of coals, cokes and gases (Ref. TT/555); at the Central Research Establishment, Stoke Orchard, Cheltenham—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, quoting the appropriate Ref. No. (December 1).

RESEARCH ASSISTANT (honours graduate in mining or physics) to the Professor of Mining, and a DEMONSTRATOR (graduate in physics or mathematics) in THE POSTGRADUATE SCHOOL OF MINING—The Registrar, The University, Sheffield (December 6).

PLANT PATHOLOGIST (with a Ph.D. in plant pathology; considerable research experience in the control of diseases of agricultural crops is preferable)—The Secretary, Tobacco Research Board, P.O. Box 1909, Salisbury, Southern Rhodesia (December 15).

PHYSICISTS and CHEMISTS (with good honours degree, or equivalent) at the Central Research Establishment, Stoke Orchard, Cheltenham, for laboratory investigations on the surface characteristics and associated properties of coal and allied materials as applied to briquetting.—SCIENTIST, Grade II, to take charge of the laboratory investigations (Ref. TT/560), a SCIENTIST, Grade III (Ref. TT/561), and SCIENTIFIC TECHNICAL OFFICERS, Grade II (Ref. TT/562)—The National Coal Board, Establishments (Personnel), Hobart House, Grosvenor Place, London, S.W.1, quoting the appropriate Ref. No. (December 29).

DEAN OF TRINITY COLLEGE (University of Melbourne)—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (January 30).

BIOCHEMIST in the Clinical Laboratories of the Oldham Group of Hospitals—The Group Pathologist, Department of Clinical Pathology, Boundary Park General Hospital, Oldham.

DEPUTY HEAD OF THE DEPARTMENT OF AIRCRAFT PROPULSION—The Registrar, College of Aeronautics, Bletchley, Bucks.

ENGINEER (Senior Scientific Officer grade) at a Ministry of Supply Experimental Establishment at Christchurch, Hants, dealing with design and development of military bridging and associated equipment—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting E.453/52.

IRRIGATION ENGINEER IN THE WATER DEVELOPMENT DEPARTMENT, Tanganyika—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting CSD.64/8/62.

PHYSICIST interested in mechanics and engineering, for study and instrumentation of felting machines—The Director, British Hat and Allied Feltmakers' Research Association, Stanley House, Manchester Road, Fairfield, Droylsden, Manchester.

PHYSICISTS or ELECTRICAL ENGINEERS at the Royal Aircraft Establishment, Farnborough: (a) in charge of small team developing electronic equipment for guided missiles (Ref. A.281/52A), (b) for design and development in physics and engineering fields of guided weapon control, probably involving association with experimental missile trials and with radar and other electronic techniques (Ref. A.282/52A)—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting the appropriate Ref. No.

RESEARCH ASSISTANT IN THE ELECTRONICS SECTION—The Research Manager, Motor Industry Research Association, Proving Ground, Lindley, Nuncaton.

SCIENCE GRADUATE (preferably in physics) to undertake abstracting of technical literature, preparation of literature surveys and other technical intelligence work—The Secretary, Research Association of British Rubber Manufacturers, 105 Lansdowne Road, Croydon.

SENIOR PHYSICIST TO WORK IN THE SPINNING DEPARTMENT, in the first instance on the physics of the generation of tension in the yarn in ring spinning—The Director, British Cotton Industry Research Association, Shirley Institute, Didsbury, Manchester 20.

SENIOR PHYSICIST (with good honours degree plus research experience, and an interest in the application of research to practical problems) for investigations mainly on the elastic and viscous properties of rubbers—The Secretary, Research Association of British Rubber Manufacturers, 105 Lansdowne Road, Croydon.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Pitt Rivers Museum: University of Oxford. Occasional Papers on Technology, 5: Pictures of Ivory and other Animal Teeth, Bone and Antler; with a Brief Commentary on their Use in Identification. By T. K. Penniman. Pp. 40+20 plates. (Oxford: Pitt Rivers Museum, 1952.) 10s. [307]

The Worker's Point of View: a Discussion of 'Reporting Back' based on a Study in a Coalfield. (Nationalized Industry Series 11.) Pp. iv+32. (London: Acton Society Trust, 1952.) 2s. [307]

Research and Development in British Industry: a Survey of Expenditure on Industrial Research and Development in the Year 1950-51 made by the F.B.I. Industrial Research Committee. Vol. 19. (London: Federation of British Industries, 1952.) 1s. 3d. [68]

Question: a Journal. Edited by H. Westmann. Vol. 4, No. 3: Freedom and Responsibility? By R. H. S. Crossman, the Earl of Verulam, A. E. Carby and Edwin Barker. (Published for the Present

Question Conference, Ltd.). Pp. 217-304. (London: Hammond, Hammond and Co., Ltd., 1952.) 2s. 6d. [138]

A Guide to Blakeney Point and Scott Head Island. Edited by Prof. J. A. Steers. Pp. 56+12 plates. (London: National Trust, 1952.) 3s. 6d. [198]

Bulletin of the British Museum (Natural History). Geology, Vol. 1, No. 7: A New *Trochiliscus* (Charophyta) from the Downtonian of Podolia. By W. N. Croft. Pp. 187-220+plates 18-19. (London: British Museum (Natural History), 1952.) 10s. [198]

Department of Scientific and Industrial Research: Food Investigation. Special Report No. 56: The Dehydration of English Fruit. By Dr. C. West, Dr. A. C. Hulme, C. R. Furlong and G. H. Crouch. Pp. iii+42. (London: H.M. Stationery Office, 1952.) 1s. 6d. net. [198]

Register of Research in the Social Sciences in Progress and in Plan. No. 9, 1951-1952, with a Directory of Research Institutions. Editor: Feodora Stone. Prepared at the National Institute of Economic and Social Research. Pp. 188. (London: Cambridge University Press, 1952.) 15s. [198]

General Register Office. The Registrar General's Quarterly Return for England and Wales. No. 413: Births, Deaths and Marriages, Infectious Diseases, Weather, Survey of Sickness, Population Estimates; Quarter ended 31st March 1952. Pp. 48. (London: H.M. Stationery Office, 1952.) 2s. 6d. net. [198]

Council for the Preservation of Rural England. Annual Report, 1951-52. Pp. 50+4 plates. (London: Council for the Preservation of Rural England, 1952.) [198]

Other Countries

Bulletin of the Museum of Comparative Zoology. Vol. 106, No. 10: Foraminiferal Distribution in the Long Island Sound—Buzzards Bay Area. By Frances L. Parker. Pp. 425-474+plate 5. Vol. 106, No. 11: Revisionary Studies of some South American Teiida. By Rodolfo Rulibal. Pp. 475-530. (Cambridge, Mass.: Harvard College, 1952.) [307]

Smithsonian Institution: Bureau of American Ethnology. Bulletin 147: Journal of an Expedition to the Mauvaises Terres and the Upper Missouri in 1850. By Thaddeus A. Culbertson. Edited by John Francis McDermott. Pp. viii+164. 75 cents. Bulletin 148: Arapaho Child Life and its Cultural Background. By Sister M. Inez Hilger. Pp. xv+253+40 plates. 75 cents. (Washington, D.C.: Government Printing Office, 1952.) [307]

Bulletin of the American Museum of Natural History. Vol. 99, Article 3: The Problem of Land Connections across the South Atlantic, with Special Reference to the Mesozoic. By Ernst Mayr (Editor), Maurice Ewing, Walter H. Bucher, Kenneth E. Caster, Carl O. Dunbar, Marshall Kay, George Gaylord Simpson, Daniel I. Axelrod, Theodor Just, Wendell H. Camp, F. J. Darlington, Jr., Alfred E. Emerson, Bobb Schaeffer, David H. Dunkle, Edwin H. Colbert and Alfred S. Romer. Proceedings of the Symposium on 'The Role of the South Atlantic Basin in Biogeography and Evolution' held at the Fourth Annual Meeting of the Society for the Study of Evolution, New York City, December 28 and 29, 1949. Pp. 79-258+2 plates. (New York: American Museum of Natural History, 1952.) 3 dollars. [307]

Beach Erosion Board: Corps of Engineers. Technical Memorandum No. 27: Wind Set-up and Waves in Shallow Water. By Thomdike Saville, Jr. Pp. iv+36. (Washington, D.C.: Government Printing Office, 1952.) [307]

Kungl. Svenska Vetenskapsakademiens Handlingar. Fjärde Serien, Band 3, No. 1: Recent Lymnaeidae; their Variation, Morphology, Taxonomy, Nomenclature and Distribution. By Bengt Hubendick. Pp. 223+5 plates. 25 Kr. Fjärde Serien, Band 3, No. 2: Kolchizin-induzierte Heteroploidie beim Schwein. Von Gösta Häggqvist und Allan Bane. Pp. 14. 2.25 Kr. (Stockholm: Almqvist and Wiksell; London: H. K. Lewis and Co., Ltd., 1951.) [317]

Commonwealth Observatory, Canberra. Report of the Commonwealth Astronomer for the Year 1950. Pp. 5. Supplement to the Report of the Commonwealth Astronomer for the Year 1950. Pp. 11+7 plates. Report of the Commonwealth Astronomer for the Year 1951. Pp. 5. (Canberra: Commonwealth Government Printer, 1951-1952.) [317]

Commonwealth Observatory, Canberra. Memoir No. 11: Solar Radiation Observations on Mount Stromlo, 1927-1939. By W. B. Rimmer and C. W. Allen. Pp. 42. (Canberra: Commonwealth Government Printer, 1950.) [317]

Beihefte zum Geologischen Jahrbuch. Heft 3: Monographien der Deutschen Blei-Zink-Erzlagerstätten, Monographie 1, Die Blei-Zink-Erzvorkommen des Ruhrgebietes und seiner Umrandung. Von Friedrich Buschendorf, Julius Heseemann, Andreas Pilger und Max Richter. Lieferung 1. Pp. viii+184+18 plates. (Hanover: Amt für Bodenforschung, 1951.) 20 D. marks. [188]

Ceylon. Part 4: Education, Science and Art (L). Administration Report of the Acting Director of Fisheries for 1951. By E. R. A. DeZylva. Pp. L.30. (Colombo: Government Publications Bureau, 1952.) 10 cents. [198]

Bulletin of the World Health Organization. Supplement 4: Comparability of Statistics of Causes of Death according to the Fifth and Sixth Revisions of the International List. Pp. 59. (Geneva: World Health Organization; London: H.M. Stationery Office, 1952.) 2s. 9d.; 50 cents; 2 francs. [198]

Catalogues

Osram Lamps in the Making. Pp. 24. (London: General Electric Co., Ltd., 1952.)

Microchrome Biological Stains and Reagents. Pp. 42. (London: Edward Gurr, Ltd., East Sheen, 1952.)

Sunvic Boiling Plates. (Publication BP.10a.) Pp. 4. (London: Sunvic Controls, Ltd., 1952.)

'Speedivac' Pumping Units for Pipeline Vacuum Systems. (A.106/3.) Pp. 4. High Pressure Compressors and Vacuum Pumps. (A.111/2.)

Pp. 2. 'Speedivac' Physics Educational Equipment Models EQ1 and EQ2. (A.116/1.) Pp. 6. Circoseal Precision Glass Cone Joints for High Vacuum. (C. 103/1.) Pp. 2. Vacuum Pumping Outfits. (E.112/1.) Pp. 6. (London: W. Edwards and Co. (London), Ltd., 1952.)