

FORTHCOMING EVENTS

*(Meeting marked with an asterisk * is open to the public)*

Monday, April 20

SOCIETY OF CHEMICAL INDUSTRY, CROP PROTECTION PANEL OF THE AGRICULTURE GROUP (at the Chemical Society, Burlington House, Piccadilly, London, W.1), at 5.30 p.m.—Annual General Meeting; Dr. J. R. Boer: "Organo-Mercurial Fungicides".

INSTITUTION OF ELECTRICAL ENGINEERS, EDUCATION DISCUSSION CIRCLE (at Savoy Place, Victoria Embankment, London, W.C.2), at 6 p.m.—Discussion on "Laboratory Experiments on Protective Gear" (to be opened by Mr. H. P. Young).

ROYAL GEOGRAPHICAL SOCIETY (at 1 Kensington Gore, London, S.W.7), at 8.15 p.m.—Mr. Sebastian Snow: "Amazon Adventure".

Tuesday, April 21

BRITISH PSYCHOLOGICAL SOCIETY, INDUSTRIAL SECTION (in Room 105, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 1 p.m.—Dr. Peter F. C. Castle: "The National Institute of Industrial Psychology Foremanship Research, 1948–1953".

SOCIETY OF CHEMICAL INDUSTRY, AGRICULTURE GROUP (in the Chemistry Lecture Theatre, Royal College of Science, South Kensington, London, S.W.7), at 2.30 p.m.—Dr. H. L. Penman: "Estimating the Water Requirements of Plants".

INSTITUTE OF PETROLEUM (at Manson House, 26 Portland Place, London, W.1), at 6 p.m.—Mr. H. S. Gibson: "Two Oilfields in Northern Iraq" (Presidential Address).

Wednesday, April 22

INSTITUTE OF PETROLEUM (at the Institution of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.1), at 2.30 p.m.—Symposium on "The Engine Testing of Lubricating Oils".

INSTITUTION OF ELECTRICAL ENGINEERS, RADIO SECTION (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Prof. H. M. Barlow and Mr. A. E. Karbowiak: "An Investigation of the Characteristics of Cylindrical Surface Waves"; Prof. H. M. Barlow and Dr. A. L. Cullen: "Surface Waves".

SOCIETY OF CHEMICAL INDUSTRY, NUTRITION PANEL OF THE FOOD GROUP (in the Chemical Society's Rooms, Burlington House, Piccadilly, London, W.1), at 6.15 p.m.—Dr. W. F. J. Cuthbertson: "Synthetic Food Possibilities"; Mr. P. N. Williams: "Synthetic Fats", Summary of Series by Dr. Norman Wright (Food and the Future, 4).

Wednesday, April 22—Saturday, April 25

INSTITUTE OF METAL FINISHING (at the Hotel Majestic, Harrogate).—Spring Conference.

Thursday, April 23

INSTITUTION OF CHEMICAL ENGINEERS (at the May Fair Hotel, Berkeley Street, London, W.1), at 11 a.m.—Thirty-first Annual Corporate Meeting; at 12 noon.—Mr. Stanley Robson: "Changes in Roasting Practice and Furnace Design" (Presidential Address).

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 4.30 p.m.—Sir Geoffrey Taylor, F.R.S.: "Experimental Study of Standing Waves"; Mr. T. V. Davies: "Forced Flow of a Rotating Viscous Liquid which is Heated from Below".

LINNEAN SOCIETY (at Burlington House, Piccadilly, London, W.1), at 5 p.m.—Dr. S. M. Manton, F.R.S.: "The Structures, Habits and Evolution of Millipedes".

ROYAL SOCIETY OF ARTS, COMMONWEALTH SECTION (at John Adam Street, Adelphi, London, W.C.2), at 5.15 p.m.—Sir Alexander Carr-Saunders: "Colonial Universities To-day" (Holland Memorial Lecture).

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, Victoria Embankment, London, W.C.2), at 5.30 p.m.—Prof. P. I. Dee, F.R.S.: "The Dilemma of Lord Kelvin" (Forty-fourth Kelvin Lecture).

Friday, April 24

SOCIETY OF CHEMICAL INDUSTRY, OILS AND FATS GROUP (at the Low Temperature Research Station, Downing Street, Cambridge), at 10.30 a.m.—Symposium on "Oxidation" (Speakers: Prof. C. E. H. Bawn, F.R.S., Dr. C. H. Lea, Dr. A. Banks, Dr. L. A. O'Neill and Dr. J. H. Skellon).*

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 5.30 p.m.—Dr. A. T. Bowden, Mr. P. Draper and Mr. H. Rowling: "The Problem of Fuel Oil Ash Deposition in Open-Cycle Gas Turbines".

TELEVISION SOCIETY (at the Cinematograph Exhibitors' Association, 164 Shaftesbury Avenue, London, W.C.2), at 7 p.m.—Fleming Memorial Lecture.

SOCIETY FOR VISITING SCIENTISTS (at 5 Old Burlington Street, London, W.1), at 7.30 p.m.—Discussion Meeting on "Rockets" (Chairman: Prof. A. D. Baxter; Speakers: Dr. A. C. Merrington, Mr. I. Lubbock and Prof. A. D. Baxter).

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 9 p.m.—Mr. Archibald G. B. Russell: "Tradition and the Coronation".

APPOINTMENTS VACANT

APPLICATIONS are invited for the following appointments on or before the dates mentioned:

ASSISTANT STATISTICIAN (with a university honours degree in science, mathematics or economics, and some experience of research involving the analysis and interpretation of mass data) in the Central Statistical Office of the Town Clerk's Department—The Town Clerk, Room 30E, Council House, Birmingham 1 (April 25).

ENTOMOLOGIST (male, interest in ecology and mechanical ability important) for work in Insecticides Department primarily in connexion with field experiments—The Secretary, Rothamsted Experimental Station, Harpenden, Herts (April 25).

MECHANICAL ENGINEER or PHYSICIST (with first- or second-class honours degree or equivalent in mechanical engineering or physics) at the Royal Aircraft Establishment, Farnborough, to undertake experimental and theoretical work with light mechanisms—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting C.169/53A (April 25).

PHYSIOLOGIST (with good honours degree in physiology or equivalent qualification, and research experience preferably involving the perfusion of isolated organs) for research on the physiology of lactation—The Secretary, National Institute for Research in Dairying, Shinfield, Reading, quoting Ref. 53/3 (April 25).

STATISTICIAN (part-time, graduate of a British university, with an honours degree, and statistical experience) in the Health and Welfare Department—The Town Clerk, Town House, Aberdeen (April 27).

READERSHIP IN MATHEMATICS at Westfield College—The Academic Registrar, University of London, Senate House, London, W.C.1 (April 28).

UNIVERSITY DEMONSTRATOR IN ANIMAL NUTRITION—The Secretary, School of Agriculture, Downing Street, Cambridge (April 28).

UNIVERSITY LECTURER IN AGRICULTURAL BOTANY—The Secretary, School of Agriculture, Downing Street, Cambridge (April 28).

ASSISTANTS (2) IN MATHEMATICS, and an ASSISTANT IN STATISTICS—The Secretary, The University, Aberdeen (April 30).

READERSHIP IN CHEMICAL PATHOLOGY at the Royal Veterinary College—The Academic Registrar, University of London, Senate House, London, W.C.1 (April 30).

READERSHIP IN PUBLIC HEALTH at the London School of Hygiene and Tropical Medicine—The Academic Registrar, University of London, Senate House, London, W.C.1 (May 1).

TEMPORARY LECTURER (with special reference to horticulture) in the DEPARTMENT OF BOTANY—The Registrar, The University, Manchester 13 (May 1).

CHAIR OF APPLIED MATHEMATICS—The Registrar, University College, Singleton Park, Swansea (May 2).

PHYSICIST or ENGINEER (with first- or second-class honours degree or equivalent in physics or engineering) in the Instrument and Photographic Department of Royal Aircraft Establishment, Farnborough, for research and development work in connexion with gyroscopic equipment—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting A.88/53A (May 2).

READERSHIP IN GEOGRAPHY, and an ASSISTANT LECTURER IN ZOOLOGY—The Registrar, Trinity College, Dublin (May 10).

LECTURER IN CIVIL ENGINEERING—The Secretary, Queen's University, Belfast (May 15).

ASSISTANT (male, with a degree in horticulture, agriculture, or botany, together with a keen interest in the scientific aspects of practical fruit culture and ability to convey the results of research to scientists, advisory officers and growers) in the SCIENTIFIC LIAISON SECTION—The Secretary, East Malling Research Station, East Malling, Maidstone, Kent (May 16).

ORGANIC CHEMIST (Senior Research Officer grade)—The Director, Laboratory of Human Nutrition, Oxford (May 16).

SENIOR LECTURER or LECTURER in COAL MINING ENGINEERING at the New South Wales University of Technology—The Agent-General for New South Wales, 56 Strand, London, W.C.2 (May 25).

ASSISTANT LECTURER in ARCHEOLOGY—The Registrar, University College, Cathays Park, Cardiff (May 30).

SENIOR LECTURER in PHYSIOLOGY—The Dean of the Medical College, St. Bartholomew's Hospital, West Smithfield, London, E.C.1 (June 20).

ASSISTANT LECTURER (with honours degree in physics, preferably with a special interest in illumination or optics) in the DEPARTMENT OF APPLIED PHYSICS—The Principal, Northampton Polytechnic, St. John Street, London, E.C.1.

ASSISTANT LECTURER and a DEMONSTRATOR in ORGANIC CHEMISTRY—The Registrar, The University, Nottingham.

BIOCHEMIST (with a first- or second-class honours degree in chemistry, and research experience preferably in the field of protein chemistry) in the Endocrine Unit—The Secretary, London Hospital Medical College, Turner Street, London, E.1.

CHEMIST to assist in laboratory dealing with members' day-to-day production problems—The Printing, Packaging and Allied Trades Research Association, Randalls Road, Leatherhead, Surrey, quoting CB.

CHOWN RESEARCH PROFESSORSHIP in CHEMISTRY—The Principal, Queen's University, Kingston, Ont., Canada.

ENGINEERS or PHYSICISTS for Royal Aircraft Establishment, Farnborough: SCIENTIFIC OFFICER-ENGINEER (preferably aeronautical) or PHYSICIST, for research on flutter and vibration problems in aircraft structures (Ref. A.81/53A), and a SENIOR S.O.-ELECTRICAL or ELECTRONIC ENGINEER, for development and application of electrical and electronic equipment in connexion with above research (Ref. D.121/53A)—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.

PHYSICIST as HEAD OF THE PHYSICS DEPARTMENT—The Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1.

RESEARCH STUDENT IN THE CANCER RESEARCH DEPARTMENT, to work on problems concerning the mechanism of enzyme synthesis—The Secretary, London Hospital Medical College, Turner Street, London, E.1.

SCIENTIFIC OFFICERS (with first- or second-class honours degree, or equivalent, in physics or engineering) for operational research on a wide variety of problems, in London and provinces, under direction of Scientific Adviser to the Air Ministry—The Ministry of Labour and National Service, Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.285/52A.

SCIENTIFIC OFFICERS, Grade I and Grade II (with a good honours degree in engineering or mathematics; some research experience in either mechanical or civil engineering is essential for Grade I) IN THE RESEARCH DEPARTMENT (Engineering Division) at Derby—The Director of Research, Railway Executive, 222 Marylebone Road, London, N.W.1.

SENIOR RESEARCH WORKER, and a RESEARCH ASSISTANT, to undertake a fundamental study of the viscosity of liquid metals—The Registrar, The University, Edmund Street, Birmingham 3.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Air Ministry: Meteorological Office. Geophysical Memoirs No. 89: Temperature and Humidity Gradients in the First 100 m. over South-East England. By A. C. Best, E. Knighting, R. H. Pedlow and K. Stormonth. (M.O.530d.) Pp. 60. (London: H.M. Stationery Office, 1952.) 7s. 6d. net. [92]

Careers in the Royal Dutch/Shell Group. Second edition. Pp. 82. Careers for Chemical Engineers and Chemists. Pp. 22. Careers for Civil, Electrical and Mechanical Engineers and Surveyors. Pp. 29. Careers for Geologists and Geophysicists. Pp. 28. Careers in the Petroleum Chemical Industry. Pp. 22. (London: Shell Petroleum Co., Ltd., 1952.) [92]

Philosophical Transactions of the Royal Society of London. Series A: Mathematical and Physical Sciences, No. 898, Vol. 245: On the Approximation of Logarithms of Algebraic Numbers. By K. Mahler. Pp. 371-398. (London: Cambridge University Press, 1953.) 6s. 6d. [92]

Bulletin of the British Museum (Natural History). Zoology, Vol. 1, No. 11: Taxonomy of the Karroo and Red-back Larks of Western South Africa. By J. D. Macdonald. Pp. 319-350+plates 36-38. (London: British Museum (Natural History), 1953.) 10s. [92]

London School of Hygiene and Tropical Medicine: Ross Institute Industrial Advisory Committee. Bulletin No. 7: Malaria and its Control for Planters and Miners. By Dr. G. Macdonald. Pp. 52. (London: London School of Hygiene and Tropical Medicine, 1952.) [102]

Report on the Conference on Industry and the Universities, organized by the FBI North Midland Regional Council and the University of Nottingham and held at the University, 24 September 1952. Pp. vii+39. (London: Federation of British Industries, 1953.) 4s. 6d. [102]

Ministry of Fuel and Power. 30th Annual Report on Safety in Mines Research, 1951. Pp. 56+4 plates. (London: H.M. Stationery Office, 1952.) 2s. 6d. net. [102]

Forty-fifth Annual Report of the Governing Body of the Imperial College of Science and Technology. Pp. 60. (London: Imperial College of Science and Technology, 1953.) [102]

Aluminium Development Association. Information Bulletin No. 20: Painting Practice for Aluminium. Pp. 20. (London: Aluminium Development Association, 1952.) 2s. [102]

Forestry Commission. Census Report No. 1: Census of Woodlands, 1947-1949; Woodlands of Five Acres and Over. Pp. 264+11 plates. (London: H.M. Stationery Office, 1952.) 12s. 6d. net. [102]

Agricultural Research Council. Report Series No. 12: The Technique of Complement-Fixation in Foot-and-Mouth Disease Research. By Dr. J. B. Brooksby. Pp. vi+40. (London: H.M. Stationery Office, 1952.) 6s. 6d. net. [102]

Plant Environment and the Grower. By Sidney A. Searle. Pp. v+50. (London: C. F. Casella and Co., Ltd., in collaboration with A. Gallenkamp and Co., Ltd., 1952.) 5s. net. [102]

British Gelatine and Glue Research Association. Third Annual Report for the Year October 1950 to September 1951. Pp. 13. Fourth Annual Report for the Year October 1951 to September 1952. Pp. 19. (London: British Gelatine and Glue Research Association, 1951-1952.) [102]

Observations of Colour Temperatures of Stars. Vol. 2: Relative Gradients. Made at the Royal Observatory, Greenwich, in the Years 1926-1938, under the direction of Sir Frank Dyson and Sir H. Spencer Jones. Pp. iii+115. (London: H.M. Stationery Office, 1952.) 25s. net. [102]

Department of Scientific and Industrial Research: Building Research Station. National Building Studies, Special Report No. 19: The Assessment of Vibration Intensity and its Application to the Study of Building Vibrations. By R. J. Steffens. Pp. iv+18. (London: H.M. Stationery Office, 1952.) 1s. net. [102]

Birmingham Public Libraries. Periodicals in the Technical Library, Ratcliff Place, 1953. Pp. 20. (Birmingham: Central Library, 1953.) [102]

Other Countries

Proceedings of the United States National Museum. No. 3288: An Annotated Check List of the Mosquitoes of the Subgenus *Finlaya*, Genus *Aedes*. By Kenneth L. Knight and Elizabeth N. Marks. Pp. 513-574. No. 3294: Australasian Still-legged Flies (Diptera: Tylidae) in the United States National Museum. By George C. Steyskal. Pp. 161-180. No. 3295: Aphotaenina, a New Genus of Lung Beetle (Coleoptera: Scarabaeidae). By O. L. Cartwright. Pp. 181-184. No. 3298: Moths of the Genus *Mulona* Walker and *Lomuna*, a New and Closely Related Genus (Arctiidae: Lithosiinae). By William D. Field. Pp. 221-230. No. 3300: A New Genus of Central American Millipede (Family Euryuridae), with Notes on the American Genera. By Richard

L. Hoffman. Pp. 235-244. No. 3303: A New Species of Insect of the Order Protura. By Grace Glance. Pp. 305-314. No. 3304: New American Cynipid Wasps from Galls. By Lewis H. Weld. Pp. 315-342. No. 3308: Moths of the Genus *Epeirromulona*, a New Genus of Lepidoptera. By William D. Field. Pp. 455-470. No. 3309: A Review of the Stink Bugs of the Genus *Mecidea*. By R. I. Sailer. Pp. 471-506. (Washington, D.C.: Government Printing Office, 1952.) [92]

Smithsonian Institution: Institute of Social Anthropology. Publication No. 13: The Tajin Totonac. By Isabel Kelly and Angel Palerm. Part 1: History, Subsistence, Shelter and Technology. Pp. xiv+369+33 plates. (Washington, D.C.: Government Printing Office, 1952.) [92]

Canada: Department of Mines and Technical Surveys. Geological Survey of Canada, Bulletin 22: Deep Wells and Subsurface Stratigraphy of part of the St. Lawrence Lowlands, Quebec. By Helen R. Belyea. Pp. v+113. 50 cents. Geological Survey of Canada, Memoir 265: Torbay Map-area, Newfoundland. By E. R. Rose. Pp. v+64. 75 cents. (Ottawa: Queen's Printer, 1952.) [92]

Report of the King Institute of Preventive Medicine, Guindy, for the Period from 1st April 1950 to 31st March 1951, by Dr. Y. S. Narayana Rao, and Report of the Government Analyst, Madras, by Sri S. Narayana Ayyar. Pp. 103. (Madras: Government Press, 1952.) [92]

Madras Government Museum. Guide Series No. 2: Guide to the Buddhist Antiquities. By A. Aiyappan and P. R. Srinivasan. Pp. x+58+3 plates. (Madras: Government Press, 1952.) 1.10 rupees. [92]

Survey of India. Technical Report 1950 (from 1st April 1949 to 31st March 1950). Pp. v+55+3 plates+2 maps. (Dehra Dun: Survey of India, 1952.) 8 rupees; 12s. 9d. [92]

First Annual Report 1951-52. Pp. 26. (Kjeller, pr. Lillestrom: Joint Establishment for Nuclear Energy Research, 1952.) [92]

Universal Copyright Convention. Pp. 24. (Paris: Unesco; London: H.M. Stationery Office, 1952.) 125 francs; 2s. 6d.; 50 cents. [92]

Report on Scientific Results of the *Michael Sars* North Atlantic Deep-Sea Expedition, 1910. Vol. 4, Part 2, No. 2: *Zeomorphi*, *Percormorphi*, *Plectognathi*, from the *Michael Sars* North Atlantic Deep-Sea Expedition, 1910. By Einar Koefoed. Pp. 27+3 plates. (Bergen: A/s John Griegs Boktryckeri, 1952.) [92]

Protein Metabolism, Hormones and Growth: a Symposium. Six Lectures presented at the Eighth Annual Conference on Protein Metabolism, Bureau of Biological Research, Rutgers University, the State University of New Jersey, February 1-2, 1952. Pp. 80. (New Brunswick, N.J.: Rutgers University, 1953.) 1.50 dollars. [92]

Meddelanden från Oceanografiska Institutet i Göteborg. 20: Étude minéralogique et morphoscopique de quelques sables des grands fonds de l'Océan atlantique occidental. Par Solange Duplax et André Cailleux. Pp. 27. 21: On the Salinity of the Water contained in Marine Sediments. By B. Kullenberg. Pp. 38. (Göteborg: Elanders Boktryckeri A.-B., 1952.) [92]

Ministry of Agriculture: Sudan Government. Memoirs of Research Division, No. 23: Pink Bollworm, *Platyedra gossypiella* (Saund.) as a Pest of Cotton at Zeldab, Northern Sudan. By H. S. Darling. Pp. 157-167. 10 piastres; 2s. Memoirs of Research Division, No. 24: The Genetics of Withering of Deciduous Bracteoles in Cotton. By R. L. Knight. Pp. 392-395. 10 piastres; 2s. (Khartoum: Agricultural Publications Committee, 1951-1952.) [92]

Conseil Permanent International pour l'Exploration de la Mer. Annales biologiques, Vol. No. 8, 1951. Rédigé par A. Vedel Tønning, avec l'aide de Aa. J. C. Jensen. Pp. 186. (Copenhague: Andr. Fred Høst et fils, 1952.) 30 kr. [92]

Sborník I Mezinárodního Polarografického Sjezdu v Praze (Proceedings of the 1 International Polarographic Congress in Prague). DfI (Part) 3. Pp. 774. (Prague: Přírodovědecké vydavatelství, 1952.) 540 Kčs. [102]

The Community Factor in Modern Technology: an International Study of the 'Sense of Belonging' in Industry. By Jerome F. Scott and R. P. Lynton. (Tensions and Technology Series.) Pp. 170. (Paris: Unesco; London: H.M. Stationery Office, 1952.) 300 francs; 6s.; 1 dollar. [102]

Bulletin of the American Museum of Natural History. Vol. 100, Article 2: The Polyclad Flatworms of the Pacific Coast of North America. By Libbie H. Hyman. Pp. 265-392. (New York: American Museum of Natural History, 1953.) 1.50 dollars. [102]

National Institute of Genetics. Annual Report No. 2 (1951). Pp. iv+70. (Misima, Japan: National Institute of Genetics, 1952.) [102]

Kementerian Perhubungan: Djawatan Meteorologi dan Geofisik. Verhandelings No. 42: Rainfall Types based on Wet and Dry Period Ratios for Indonesia with Western New Guinea. Edited by Dr. F. H. Schmidt and J. H. A. Ferguson. Pp. 77+3 maps. Verhandelings No. 43: East Monsoon Fluctuations in Java and Madura during the Period 1880-1940. By Dr. F. H. Schmidt and J. van der Vecht. Pp. 36+1 map. (Djakarta: Djawatan Meteorologi dan Geofisik, 1952.) [102]

Catalogues

Meteorological and other Scientific Instruments. (Catalogue No. 100B.) Pp. 50. (London: Short and Mason, Ltd., 1953.)

Automatic Voltage Regulators with Electronic Control. Pp. 12. (London: Zenith Electric Co., Ltd., 1953.)

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