

BRITISH DIARY

Monday, December 16

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, WC2), at 5.30 p.m.—Discussion meeting on "Electronic Properties of the Vitreous State".

Tuesday, December 17

INSTITUTION OF ELECTRICAL ENGINEERS (joint meeting with the Institute of Management and Control, and the Automatic Control Group of the Institution of Mechanical Engineers, at Savoy Place, London, WC2), at 5.30 p.m.—Mr P. H. Sydenham: "Linear and Angular Transducers for Positional Control in the Decimetre Range—a Survey of Available Techniques".

INSTITUTION OF MECHANICAL ENGINEERS, STEAM PLANT GROUP (at 1 Birdcage Walk, Westminster, London, SW1), at 6 p.m.—Discussion Meeting on "Safety in Auto-Package Boilers".

UNIVERSITY OF LONDON, DEPARTMENT OF EXTRA MURAL STUDIES; and the LINNEAN SOCIETY OF LONDON (at the Linnean Society, Burlington House, Piccadilly, London, W1), at 6.30 p.m.—Dr Sydney Smith: "Early Theories of Evolution". (Last of twelve lectures on "The Historical Background to Modern Zoology".)

Tuesday, December 17—Thursday, December 19

PALAEONTOLOGICAL ASSOCIATION (in the Department of Geology, University of Southampton)—Symposium on "Patterns of Evolution".

Wednesday, December 18

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, WC2)—Colloquium on "Linear and Non-Linear Device Modelling for Efficient Design".

INSTITUTE OF NAVIGATION (at the Royal Institution of Naval Architects, 10 Upper Belgrave Street, London, SW1), at 5 p.m.—Mr J. H. Briggs: "Navigational Aspects of Terminal Area Problems".

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, WC2), at 5.30 p.m.—Mr J. G. Sommerschild: "The Application of Rectifiers to British Railways a.c. Motive Power".

INSTITUTION OF MECHANICAL ENGINEERS (at 1 Birdcage Walk, Westminster, London, SW1), at 6 p.m.—Sir George Dowty: James Clayton Lecture.

Thursday, December 19

INSTITUTION OF ELECTRICAL ENGINEERS (at Savoy Place, London, WC2), at 5.30 p.m.—Mr G. Hefman and Mr D. S. Hills: "Matricon" Cathode Ray Tubes".

SOCIETY OF CHEMICAL INDUSTRY, LONDON SECTION (joint meeting with the Colloid and Surface Chemistry Group, at 14 Belgrave Square, London, SW1), at 5.30 p.m.—Mr H. W. Vallender: "Whither Detergents?"

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Institution of Gas Engineers. Communication 781: 20th Report of the Chairman's Technical Committee, 1967-68. Pp. 16. Communication 782: The Design and Control of an Integrated High-Pressure Grid System. By R. G. Langford and T. A. Lucas. Pp. 15. Communication 783: Dry Gas: Controlling Dust and Leakage in a Distribution System. By D. J. Bramwell, E. J. Longmuir and J. R. Wingate. Pp. 22. Communication 785: Operational Results with the New Gas-Making Processes—a Symposium. Pp. 40. Communication 789: Domestic Fanned Flues for Conventional Appliances. By T. T. White and J. Emerson. Pp. 24. Communication 787: Institution Gas Research Fellowship Report: 1964-67. The Stability of Diffusion Flames of Gases: The Effect of Partially Enclosing the Flames. By A. L. Vickers and Dr J. E. Garside. Pp. 23. (London: Institution of Gas Engineers, 1968.) [1211]

The Gas Council. Research Communications. GC148: 50th Report of the Joint Refractories Research Committee, 1967-68. Pp. 19. GC149: Dynamic Simulation Applied to the Design and Control of a Pipeline Network. By M. J. Heath and J. C. Blunt. Pp. 14. GC150: Some Aspects of the Reception and Transmission of North Sea Gas. By L. S. Cooper, A. B. Densham, A. J. De Rose and B. Juren. Pp. 15. GC151: Prediction of the Performance of Rapid Heating Furnaces. By D. M. Lucas, J. Masters and Mrs H. E. Toth. Pp. 17. GC152: Prediction of Performance of Heating Systems under

Practical Usage Conditions. 3: Central Heating and Combined Systems. By W. J. Bennett and J. N. Barooah. Pp. 23. GC153: Report on the Gas Council Research Scholarships—1968. Pp. 8. GC154: Design Optimisation of Balances-Flue Terminals. By K. J. D. Brady and Dj. Kerac. Pp. 18. GC155: Processes for the Manufacture of Natural-Gas Substitutes. By H. S. Davies, J. A. Lacey and B. H. Thompson. Pp. 16. (London: The Gas Council, 1968.) [1211]

Tobacco Research Council. Research Paper 10: The Psychological Dynamics of Smoking. By F. E. Emery, E. Linden Hilgendorf and B. L. Irving. Pp. 90. (London: Tobacco Research Council, 1968.) [1211]

Planning, Vol. 34, No. 504 (November, 1968): Journeys to Work. By Ray Thomas. Pp. 335-419. (London: Political and Economic Planning, 1968.) 7s. 6d. [1211]

Imperial College. Royal College of Science Research Report 1965-68. Pp. ii+90+12 plates. (London: Imperial College, Royal College of Science, 1968.) [1311]

Agricultural Research Institute of Northern Ireland. Forty-first Annual Report, 1967-1968. Pp. 51. (Hillsborough, Co. Down: Agricultural Research Institute of Northern Ireland, 1968.) [1311]

The National Central Library. 52nd Annual Report of the Executive Committee for the year ending 31 March 1968. Pp. 26. (London: The National Central Library, 1968.) [1311]

Office of Health Economics. The Consumer and the Health Service: Proceedings of a Symposium held at The Royal College of General Practitioners, London, 27 January 1968. Edited by John McKenzie. Pp. 36. (London: Office of Health Economics, 1968.) 7s. 6d. [1311]

The World Land Use Survey. Monograph No. 5: Four Island Studies. The Land Use of Santa Maria in the Azores. By H. Prince. The Land Use of Faial in the Azores. By J. M. Callender and J. D. Henshall. The Land Use of Eastern Madeira. By C. Delano Smith. The Land Use of Zanzibar Island. By M. E. Caistor. Pp. 96. (Bude: Geographical Publications, Ltd, 1968), 40s. [1411]

Building Research Station. Digest 98 (Second Series): Durability of Metals in Natural Waters. Pp. 7. (London: H.M. Stationery Office, 1968.) 4d. [1511]

Marine Biological Station. Annual Report No. 80 for 1967. Edited by J. S. Colman. Pp. 42. (Port Erin, Isle of Man: Marine Biological Station, University of Liverpool, 1968.) [1511]

Other Countries

Museum of Applied Arts and Sciences, Sydney. Annual Report 1967. Pp. 24. (Sydney: Museum of Applied Arts and Sciences, 1968.) [1111]

World Health Organization. Public Health Papers, No. 36: A Review of the Nature and Uses of Examinations in Medical Education. By Josef Charvat, Christine McGuire and Victor Parsons. Pp. 74. (Geneva: World Health Organization; London: H.M. Stationery Office, 1968.) 5 Sw. francs; 10s.; \$1.75. [1111]

National Academy of Sciences, Washington. Publication 1577: Careers of PhDs—Academic versus Nonacademic. (A Second Report on Follow-up of Doctorate Cohorts 1985-1960. Career Patterns Report No. 2.) Prepared in the Research Division of the Office of Scientific Personnel. Pp. xi+106. (Washington, DC: National Academy of Sciences, 1968.) [1111]

Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft, Berlin-Dahlem. Heft 130: Die Wichtigsten Krankheiten und Schädlinge an Kulturpflanzen in der Bundesrepublik Deutschland in den Anbaujahren 1965 und 1966 (November 1964 bis Oktober 1966), nach den monatlichen Berichten der Pflanzenschutzämter, den Witterungsberichten des Deutschen Wetterdienstes und den Angaben des Statistischen Bundesamtes. Von Dr Albert Härle. Pp. 79. (Berlin-Dahlem: Biologische Bundesanstalt für Land- und Forstwirtschaft, 1968.) 16 DM. [1211]

American Geographical Society. Serial Atlas of the Marine Environment. Folio 16: Mean Monthly Sea Surface Temperatures and Zonal Anomalies of the Tropical Atlantic. By Paul A. Mazaika. Pp. 3+6 plates. (New York: American Geographical Society, 1968.) [1211]

United States National Museum Bulletin No. 272: Comprehensive Revision of a Worldwide Collection of Freshwater Sponges (Porifera: Spongillidae). By J. T. Penney and A. A. Kaccek. Pp. v+184. (Washington, DC: Smithsonian Institution Press, 1968. Available from US Government Printing Office.) \$1.50. [1311]

East African Community. Annual Report of the East African Freshwater Fisheries Research Organization, 1967. Pp. 72. (Jinja: East African Freshwater Fisheries Research Organization, 1968.) 6s. [1311]

International Commission on Radiation Units and Measurements. ICRU Report 11: Radiation Quantities and Units. Pp. x+8. (Washington, DC: International Commission on Radiation and Measurements, 1968.) [1311]

Optical Sciences Center and Steward Observatory. Catalog of Emission Lines in Astrophysical Objects. By Aden B. Meinel, Anthony F. Aveni and Martha W. Stockton. Pp. 190. (Tucson, Arizona: Optical Sciences Center, University of Arizona, 1968.) \$4. [1311]

National Institute of General Medical Sciences, National Institutes of Health, Bethesda. Pain. Pp. 16. (Bethesda: National Institutes of Health, 1968.) *Gratis*. [1411]

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