

At 11 a.m. (Dairying Section).—Mr. F. K. Neave: "The Sterilizing of Dairy Utensils by Hypochlorites".

At 11.15 a.m. (Chemistry Section).—Mr. W. Morley Davies: "Plant Nutrition".

At 2.30 p.m. (Paper Reading Session).—Discussion on "The Agricultural Education of the Youth of 15 years of Age and Over" (to be opened by Mr. A. S. McWilliam, Mr. C. R. E. Gillett and Mr. J. Hunter Smith).

Wednesday, January 5

At 9.30 a.m. (Paper Reading Session).—Mr. D. J. McLaren: "Some Suggestions for Organizing Instruction in the Care, Maintenance and Use of Implements and Machinery within the County Agricultural Education Framework"; Mr. C. Davies: "Specialised Farm Machinery—What is Necessary and What is Customary?"

Thursday, January 6

BRITISH ECOLOGICAL SOCIETY (in the Department of Botany, The University, Oxford), at 10 a.m.—Annual General Meeting.

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 2.30 p.m.—Prof. E. N. da C. Andrade, F.R.S.: "Vibrations and Waves", 5: "Short Electromagnetic Waves".*

Friday, January 7

ROYAL GEOGRAPHICAL SOCIETY (at Kensington Gore, London, S.W.7), at 2.30 p.m.—Miss Francesca French: "China—the Western End of the Great Wall" (Christmas Lecture for Young People).

INSTITUTE OF PHYSICS (LONDON BRANCH) (at the Royal Society, Burlington House, Piccadilly, London, W.1), at 6 p.m.—Dr. K. Stoneley, F.R.S.: "Earthquakes".

Saturday, January 8

GEOLOGISTS' ASSOCIATION (at the Geological Society of London, Burlington House, Piccadilly, London, W.1), at 2.30 p.m.—Mr. C. E. N. Bromehead: "Geology and Health".

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 2.30 p.m.—Prof. E. N. da C. Andrade, F.R.S.: "Vibrations and Waves", 6: "Long Electromagnetic Waves".*

APPOINTMENTS VACANT

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

HEADMASTER of the Ashington Mining School—The Director of Education, County Hall, Newcastle-upon-Tyne (January 7).

ASSISTANT (temporary) in AGRICULTURE at the Somerset Farm Institute, Camington, near Bridgwater—The Clerk to the Somerset County Council, County Hall, Taunton (January 10).

TIME AND MOTION STUDY ENGINEERS (Order No. Q.5662S), and TIME AND MOTION STUDY ASSISTANTS (Order No. Q.5663S), for Government Posts in the Provinces—The Ministry of Labour and National Service, Appointments Department, Sardinia Street, Kingsway, London, W.C.2 (quoting appropriate Order No.) (January 12).

TEACHER OF ENGINEERING SCIENCE, MATHEMATICS AND DRAWING in the Junior Technical School—Mr. E. B. Stockdale, Education Office, Mexborough, Yorkshire (January 14).

WOMAN PSYCHOLOGIST (whole time) at Twickenham Child Guidance Clinic—Mr. C. W. Ratcliffe, "R2", Clerk of the Middlesex County Council, Middlesex Guildhall, Westminster, London, S.W.1 (January 14).

TEACHER IN ENGINEERING SUBJECTS (possessing Graduate or equivalent qualifications in Mechanical Engineering and Industrial experience) at the Melton Mowbray and District County Technical College—The Director of Education, County Education Office, Grey Friars, Leicester (January 6).

GRADUATE (temporary) for MECHANICAL OR CIVIL ENGINEERING SUBJECTS, together with MATHEMATICS, at the Denbighshire Technical College, Wrexham—The Director of Education, Education Offices, Ruthin, Denbighshire (January 8).

Acting full-time DEMONSTRATOR OF ANATOMY—The Dean, Medical College, St. Bartholomew's Hospital, London, E.C.1 (January 11).

ENTOMOLOGIST in the Department of Agriculture, Salisbury, Southern Rhodesia—The Official Secretary, Office of the High Commissioner for Southern Rhodesia, 429 Strand, London, W.C.2 (January 31).

LECTURER ON PHYSICS—The School Secretary, St. Mary's Hospital Medical School, London, W.2 (February 1).

CHIEF ENGINEER for large Chemical Works near London, to take charge of Installation, Maintenance and Mechanical Running of Plant, together with the Upkeep of all Services—The Ministry of Labour and National Service, Central (Technical and Scientific) Register, Advertising Section, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. C.1869 XA).

LECTURER IN ENGINEERING in West Africa—The Ministry of Labour and National Service, Central (Technical and Scientific) Register, Advertising Section, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. E. 836A).

REPORTS and other PUBLICATIONS

Great Britain and Ireland

Anthropology in Reconstruction: the Huxley Memorial Lecture for 1943. By Prof. F. C. Bartlett. Pp. 8. (London: Royal Anthropological Institute.) 2s. 6d. [2211]

Proceedings of the Royal Society of Edinburgh. Section A (Mathematical and Physical Sciences). Vol. 62, Part 1, No. 1: The Future of Synthetic Plastics. By Prof. H. W. Melville. Pp. 9. (Edinburgh and London: Oliver and Boyd.) 9d. [2212]

Proceedings of the Royal Irish Academy. Vol. 49, Section A, No. 6: The Intensity Distribution of Proper Vibrations. By S. Power. Pp. 91-100. 1s. Vol. 49, Section A, No. 7: On the Production of Mesons by Proton-Proton Collisions. By W. Heitler and H. W. Peng. Pp. 101-133. 1s. 6d. Vol. 49, Section B, No. 9: Salmon of the River Shannon. By Arthur E. J. Went. Pp. 151-176. 1s. 6d. Vol. 49, Section B, No. 10: On the Glucan of the Yeast Membrane. By Vincent C. Barry and Thomas Dillon. Pp. 177-186. 1s. Vol. 49, Section B, No. 11: The Influence of Manganese on the Growth of Cereals. By Patrick H. Gallagher and Thomas Walsh. Pp. 187-200+plates 2-3. 1s. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) [2211]

British Association for the Advancement of Science: Committee on Post-War University Education. Report on Education for the Public Service. Pp. 6. (London: British Association.) 6d. [2411]

Department of Scientific and Industrial Research: Forest Products Research Laboratory. Leaflet No. 30: General Observations on the Design of Timber-Drying Kilns. Pp. 6. Leaflet No. 31: Foreign Timbers, 3, Notes on Parana Pine—*Araucaria brasiliana*, and Louro Vermelho—probably *Ocotea rubra*. Pp. 2. Leaflet No. 32: Foreign Timbers, 4, Notes on Peroba Rosa—*Aspidosperma polyneuron*, and Mandioqueira—*Qualea* spp. Pp. 2. (Pinches Risborough: Forest Products Research Laboratory.) [2611]

Other Countries

Universidad obrera Argentina: Instituto Científico. El tricentenario de Newton. Por Mario Bunge. Pp. 8. (Buenos Aires: Universidad obrera Argentina.) [2210]

Significado físico e histórico de la teoría de Maxwell: Conferencia pronunciada el 21 de junio de 1943 en la Facultad de Química industrial y agrícola de la Universidad Nacional del Litoral. Por Mario Bunge. Pp. 16. (Buenos Aires: Universidad obrera Argentina.) [2210]

Carnegie Institution of Washington: Department of Terrestrial Magnetism. Scientific Results of Cruise VII of the *Carnegie* during 1928-1929 under Command of Captain J. P. Ault. Biology, 4: Biological Results of the Last Cruise of the *Carnegie*, 1: The Phytoplankton, by Herbert W. Graham; 2: Marine Algae, by William Albert McNeill; 3: Polychaetous Annelids, by Aaron L. Treadwell; 4: The Mysids, by W. M. Tattersall; 5: The Isopods, by James O. Maloney; 6: The Halobates, by Harry G. Barber; 7: List of Birds, by Alexander Wetmore; 8: Miscellaneous Determinations—The Sponge, by M. W. de Laubenfels, The Echinoderms, by Austin H. Clark, The Insects and Mites, by E. A. Chapin and others, The Pyrosomids, by Hoyt S. Hopkins, The Lizard, by Doris M. Cochran. (Publication 555.) Pp. vi+92. (Washington, D.C.: Carnegie Institution.) 1111 dollars.

"Life Through the Ages is a Story of Change". Prepared under direction of the Museum of Paleontology, University of California. (Huff and Strong Series.) 25 in. x 19 in. (Stanford University, Calif.: Stanford University Press; London: Oxford University Press.) 3s. 6d. net. [1111]

National Research Council of Canada. N.R.C. No. 1160: Abstracts on Penicillin and other Antibiotic Substances. By Muriel E. Whalley. Pp. 71. (Ottawa: National Research Council of Canada.) 1 dollar. [411]

Universidad de Buenos Aires: Facultad de Agronomía y Veterinaria, Instituto de Zootecnia. Tomo 1, Fascículo 5: Investigaciones sobre producción de leche. Por Dr. Daniel Inchausti, Prof. Dr. Ezequiel Tagle y Dr. Mauricio B. Helman. Pp. 60. (Buenos Aires: Universidad de Buenos Aires.) [811]

Kungl. Svenska Vetenskapsakademiens Handlingar. Serien 3, Band 20, No. 7: The Fundamental Colour Sensations in Man's Colour Sense. By Gustaf F. Göthlin. Pp. 76. Serien 3, Band 20, No. 8: Die Hydracarinafauna sudbrasilien und paraguayens. Von O. Lundblad. Teil 4. Pp. 171+15 plates. Serien 3, Band 20, No. 9: On the Morphology of the Lower Jaw of Stegocephalia, with Special Reference to Eotriassic Stegocephalians from Spitsbergen, 1: Descriptive Text. By Tage Nilsson. Pp. 46+9 plates. Serien 3, Band 20, No. 10: Das Bogenspektrum des Sauerstoffes, O I. Von Bengt Edlén. Pp. 31+1 plate. (Stockholm: Almqvist and Wiksells Boktryckeri A.-B.) [1111]

Annual Report for the Year 1942 of the Museums Trustees of Kenya and of the Coryndon Memorial Museum, Nairobi. Pp. 8. (Nairobi: Museums Trustees of Kenya.) [1111]

Indian Forest Bulletin No. 119: Wood in Mechanical and Chemical Engineering. By Dr. D. Narayanamurti. Pp. 13+8 plates. (Dehra Dun: Forest Research Institute.) 6 annas; 7d. [1111]

Indian Forest Leaflet No. 44: Indigenous Vegetable Dyestuffs for Pulp and Paper. By S. V. Puntambekar and P. C. Batra. Pp. ii+8+4. 6 annas; 9d. Indian Forest Leaflet No. 46: How to Identify Timbers, Part 4: Timbers for Boxes and Packing Cases. By S. S. Ghosh. Pp. ii+30-60. 4 annas; 5d. Indian Forest Leaflet No. 47: Tamarind Seed, a New Sizing Material for Cotton Yarn. By S. Krishna and T. P. Ghose. Pp. ii+8. 4 annas; 5d. Indian Forest Leaflet No. 48: Ephedra Concentrate and the Extraction of Ephedrine. By T. P. Ghose and S. Krishna. Pp. ii+6. 4 annas; 5d. Indian Forest Leaflet No. 49: Interim Note on Inner Coatings for Plywood Containers. By the Wood Preservation Section, Forest Research Institute. Pp. ii+10. 4 annas; 5d. Indian Forest Leaflet No. 50: How to Identify Timbers, Part 5: Timbers for Gun and Rifle Parts. By K. Ahmad Chowdhury and K. N. Tandan. Pp. ii+61-66. 4 annas; 6d. Indian Forest Leaflet No. 51: How to Identify Timbers, Part 6: Timbers for Camp Furniture. By K. Ahmad Chowdhury. Pp. ii+67-74. 4 annas; 5d. Indian Forest Leaflet No. 52: Studies on Adhesives, Part 6: Preliminary Note on the Use of Sunn Hemp Seed Proteins as Plywood Adhesives. By Dr. D. Narayanamurti, V. Ranganathan and D. C. Roy. Pp. ii+6. 4 annas; 5d. (Dehra Dun: Forest Research Institute.) [1111]

Gold Coast Colony. Annual Report on the Forestry Department for the Year 1942-43. Pp. 4. (Accra: Government Printing Department; London: Crown Agents for the Colonies.) 1s. [1211]

Catalogue

A Catalogue of Books on the Drama, followed by a selection of Recent Miscellaneous Purchases. (No. 616.) Pp. 46. (London: Bernard Quaritch, Ltd.) 3d.