

## Official Publications Received.

The Science Reports of the Tôhoku Imperial University, Sendai, Japan. Second Series (Geology), Vol. 7, No. 1: Notes on some Mesozoic Plants from Japan, Korea, and China, in the Collection of the Institute of Geology and Palaeontology of the Tôhoku Imperial University. I. By H. Yabe. Pp. 28+4 plates. (Tokyo and Sendai: Maruzen Co. Ltd.)

Department of Agriculture. Report of the Director of Agriculture for 1921. Pp. 58. (Peradeniya, Ceylon.)

Ministerio da Agricultura, Industria e Commercio: Directoria de Meteorologia. Boletim Meteorologico: Anno de 1915. Pp. viii+137. (Rio de Janeiro.)

The South-Eastern Naturalist: Being the Twenty-seventh Volume of Transactions of the South-Eastern Union of Scientific Societies, including the Proceedings at the Twenty-seventh Annual Congress, held at Southampton, 1922. Edited by Edward A. Martin. Pp. lxiii+73. (London: 285 Holmesdale Road, S.E.25.) 5s. net.

## Diary of Societies.

## SATURDAY, NOVEMBER 18.

BRITISH MYCOLOGICAL SOCIETY (in Botany Department, University College), at 11.—Prof. A. Castellani: Mycology in Tropical Medicine.—Miss G. Gilchrist: Bark Canker Disease of Apple (*Mycosporium corticola*).—Miss E. S. Moore: The Physiology of *Fusarium caryuleum*.—R. J. Tabor: A new fungal disease of Cacao and Coffee.—Dr. M. C. Rayner: The Mycorrhizal Fungus in relation to *Calluna* Cuttings.

## MONDAY, NOVEMBER 20.

INSTITUTE OF ACTUARIES (at Royal Society of Arts), at 5.—W. P. Phelps: Presidential Inaugural Address.  
ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge, Kensington Gore), at 5.—Capt. G. I. Finch: The Equipment for High Climbing.  
INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—F. J. Pearce, and others: Discussion on Electric Light Wiring.  
INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section), at 7.—H. R. Hockley: Works Management.  
ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.—L. M. Tye: Illuminating Engineering in relation to Architecture.  
INSTITUTE OF BREWING, at 8.—W. A. Riley: Elimination of Waste.  
CHEMICAL INDUSTRY CLUB (at 2 Whitehall Club), at 8.—O. F. C. Bromfield: The Merchant Traders' View on Government Control of Trade in connexion with the Safeguarding of Industries Act and the Dyestuffs (Import Regulation) Act.

## TUESDAY, NOVEMBER 21.

ROYAL GEOGRAPHICAL SOCIETY AND THE ALPINE CLUB (at Central Hall, Westminster), at 8.—Capt. J. B. L. Noel: First Exhibition of the Mount Everest Expedition Kinematograph Film.  
ROYAL SOCIETY OF MEDICINE, at 8.—General Meeting.  
ROYAL STATISTICAL SOCIETY (at Royal Society of Arts), at 5.15.—Lord Emmott: The Relations of Capital and Labour. (Inaugural Address.)  
ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—The Secretary: Report on the Additions to the Society's Menagerie during the month of October, 1922.—I. G. S. Montagu: A further Collection of Mammals from the Inner Hebrides.—F. R. Wells: The Morphology and Development of the Chondocranium of the larval *Clupea harengus*.—R. I. Pocock: The External Characters of the Beaver (*Castoridae*) and some squirrels (*Sciuridae*).—A. Loveridge: Notes on East African Birds (chiefly nesting-habits and stomach-contents) collected 1913-1919.—E. A. Stensjö: Notes on certain Crossopterygians.—Dr. E. Ghosh: The Animal of *Scaphula* Benson, with the Description of a new Species of *Scaphula*.—J. H. Lloyd and Edith M. Sheppard: A Contribution to the Anatomy of a Hammerhead-Shark (*Zygena malleus*).—R. H. Mehra: Two new Indian Species of the little-known Genus *Autodirius* (Bretschler), aquatic Oligochaeta belonging to the Family Tubificidae.—Dr. J. Stephenson: The Oligochaeta of the Oxford University Spitsbergen Expedition.—R. J. Ortlepp: The Nematode Genus *Physaloptera*, Rad.—G. M. Vevers: The Cestode Parasites from Mammalian Hosts which died in the Gardens of the Zoological Society of London, during the Years 1919-1921: with a Description of a new Species of *Cylororchida*.

INSTITUTION OF CIVIL ENGINEERS, at 6.—E. O. Forster-Brown: Underground Waters in the Kent Coalfield, and their incidence in Mining Development.

INSTITUTE OF MARINE ENGINEERS, INC., at 6.30.—G. J. Steinhilf: The Evolution of the Nobel Diesel Engine (Part II.).

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—A. L. Coburn: Astrological Portraiture.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.15.—Miss M. A. Murray: Recent Excavations in Malta.

ROYAL GEOGRAPHICAL SOCIETY AND THE ALPINE CLUB (at Central Hall, Westminster), at 8.30.—Captain J. B. Noel: First Exhibition of the Mount Everest Expedition Kinematograph Film.

ROYAL SOCIETY OF MEDICINE (Pathology Section), at 8.30.—Dr. O. L. V. de Wesselow: The Calcium and Phosphorus of the Blood in Nephritis.—Dr. C. E. Dukes: A New Fermentation Tube.—Dr. A. J. Eagleton, Dr. C. C. Okell, and Miss E. M. Baxter: The Serological Classification of *B. Diphtheria*.

## WEDNESDAY, NOVEMBER 22.

ROYAL SOCIETY OF MEDICINE, at 5.—Prof. H. C. Jacobaeus: The Practical Importance of Thoracoscopy, especially in the Pneumothorax treatment of Pulmonary Tuberculosis. (Occasional Lecture.)  
ROYAL METEOROLOGICAL SOCIETY, at 5.—Sir Napier Shaw: An account of the work of the Meteorological Section of the International Union of Geodesy and Geophysics during the meeting at Rome in

May, 1922.—A. H. R. Goldie: Circumstances determining the Distribution of Temperature in the Upper Air under conditions of High and Low Barometric Pressure.—Rev. J. Aigué: The Manila Typhoon of May 23, 1922.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Prof. A. S. Eddington: The Borderland of Astronomy and Geology.

ROYAL SOCIETY OF ARTS, at 8.—Bailie W. Smith: The Economy of Smoke Abatement.

## THURSDAY, NOVEMBER 23.

MEDICO-PSYCHOLOGICAL ASSOCIATION OF GREAT BRITAIN (at the Bethlem Royal Hospital), at 2.45.—Prof. G. M. Robertson: The Discovery of General Paralysis, from Haslam to Bayle.—Dr. E. W. Scripture: The Treatment of General Paralysis by Malaria and the use of Speech Inscriptions for Early Diagnosis.

ROYAL SOCIETY, at 4.30.—*Probable Papers*.—Dr. T. E. Stanton: The Characteristics of Cylindrical Journal Lubrication at High Values of the Eccentricity.—Prof. F. C. Thompson and E. Whitehead: On the Changes in Iron and Steel at Temperatures below 280° C.—Dr. J. H. Jeans: The Propagation of Earthquake Waves.—Prof. F. A. Lindemann and G. M. B. Dobson: A Theory of Meteors and the Density and Temperature of the Outer Atmosphere to which it leads.—C. F. Jenkin: The Fatigue Failure of Metals.—Dr. S. Brodetsky: The Line of Action of the Resultant Pressure in Discontinuous Fluid Motion.—Dr. R. A. Houston: An Investigation of the Colour Vision of 527 Students by the Rayleigh Test.

CAMERA CLUB, at 8.15.—Dr. G. H. Rodman: The Story of the "Cuckoo Spit."

## FRIDAY, NOVEMBER 24.

MEDICAL OFFICERS OF SCHOOLS ASSOCIATION (at 11 Chandos Street, W.1), at 5.—Dr. A. R. Friel: The Ionisation Treatment of Otorrhoea.  
ROYAL SOCIETY OF MEDICINE (Study of Disease in Children Section), at 5.

PHYSICAL SOCIETY OF LONDON (at Imperial College of Science and Technology), at 5.—E. G. Richardson: The Theory of the Singing Flame.—Prof. R. L. Jones: Vibration Galvanometers with Asymmetric Moving Systems.—Miss Alice Everett: Unit Surfaces.—P. Schilowsky: Demonstration of some Practical Applications of the Gyroscope.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Adjourned discussion on paper by W. Reavell: Air Compressors.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—F. E. Murrell: Notes on Waterworks Plant in India.

INSTITUTION OF PRODUCTION ENGINEERS (at Engineers' Club, Coventry Street, W.1), at 7.30.—G. Hey: Standardisation.

ROYAL SOCIETY OF MEDICINE (Epidemiology and State Medicine Section), at 8.—Dr. F. M. Turner: A Statistical Study of the Age Incidence of Scarlet Fever.—Dr. J. Brownlee: A Note on the Relation between Rainfall and Scarlet Fever.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 8.—C. H. E. West: The Fascination of North Africa.

## SATURDAY, NOVEMBER 25.

ASSOCIATION OF SCIENCE TEACHERS AND THE ASSOCIATION OF UNIVERSITY WOMEN TEACHERS (at University College), at 11 and 2.30.—Joint Conference on the Teaching of Science in Schools and Colleges.

## PUBLIC LECTURES.

## SATURDAY, NOVEMBER 18.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—A. D. Howell Smith: Textiles and their History.

## MONDAY, NOVEMBER 20. †

ROYAL SANITARY INSTITUTE, at 4.—Dr. A. Balfour: The Sanitary Inspector in the Tropics.  
CITY OF LONDON Y.M.C.A. (186 Aldersgate Street), at 6.—General Sir W. B. Leishman: Bacteriology of Disease.

## TUESDAY, NOVEMBER 21.

ROYAL SANITARY INSTITUTE, at 4.—Lt.-Col. W. W. Clemesha: Hookworm Disease and the Method of Controlling It. At 5.15.—Miss A. D. Muncaster: Some Hygienic Aspects of Food and Food Preparation. II. The Hygiene of Food Preparation (Chadwick Lecture).

## WEDNESDAY, NOVEMBER 22.

ROYAL SANITARY INSTITUTE, at 4.—Prof. R. T. Leiper: Parasitic Worms and their Migrations.

## THURSDAY, NOVEMBER 23.

ROYAL SANITARY INSTITUTE, at 4.—Lt.-Col. H. J. Walton: Flies and Mosquitoes.  
UNIVERSITY COLLEGE, at 5.—Prof. H. R. Kenwood: The Pasteurisation of the Public Milk Supply.  
WESTFIELD COLLEGE (Hampstead), at 5.15.—Sir Oliver Lodge: Matter and Ether.

## FRIDAY, NOVEMBER 24.

ROYAL SANITARY INSTITUTE, at 4.—Dr. H. B. G. Newham: Malaria and other Diseases.  
UNIVERSITY COLLEGE, at 5.15.—Prof. J. E. G. de Montmorency: Law and the Humanities.  
BEDFORD COLLEGE FOR WOMEN, at 5.30.—M. L. W. Laistner: Ancient University Life.

## SATURDAY, NOVEMBER 25.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—F. Balfour-Browne: British Water-beetles.