

to *Sterigmatocystis nidulans*, cultures of which have been obtained. The fungus penetrating the spleen introduces bacteria causing a secondary infection, and it is possible that the nature of the associated bacteria may modify the clinical type of the disease.

VIENNA.

Academy of Sciences, Jan. 13.—O. Wettstein: Five new European mammals, species of *Pitymys* from Croatia and Tyrol.—L. Walmann: Report on the geological survey of the Moravian primitive rocks in Lower Austria.—H. Leng: Adsorption experiments on glasses and filtration materials by the methods of radio-active indicators. Adsorption on glasses approaches saturation.—M. Holly: (1) A new subspecies of silurid from Kamerun; (2) a new species of cyprinid from the islands of Little Sunda.—L. Kober: The geology of the Salzkammergut.—A. Tauber: Integration of linear differential equations.

Jan. 20.—F. Wessely and M. John: Recherches on α -amino-N-carbonic acid anhydride.—K. Przibram: The coloration of compressed rock-salt under Becquerel radiation.

Official Publications Received.

BRITISH.

County Borough of Halifax. First Annual Report of the Corporation Museums for the Year 1925-6. Pp. 15+2 plates. (Halifax.) 2d.
British Museum (Natural History). Picture Postcards. Set E45: Exotic Moths, Series No. 10. 5 cards in colour. 1s. Set E46: Exotic Moths, Series No. 11. 5 cards in colour. 1s. Set E47: Exotic Moths, Series No. 12. 5 cards in colour. 1s. Set E48: Exotic Moths, Series No. 13. 5 cards in colour. 1s. (London.)

Committee of the Privy Council for Medical Research. Report of the Medical Research Council for the Year 1925-1926. Pp. 161. (London: H.M. Stationery Office.) 3s. 6d. net.

Leeds University. Twenty-second Report, 1925-26. Pp. 184. (Leeds.)
Report of the Botanical Survey of India for 1925-26. Pp. 9. (Calcutta.)
Board of Education. Regulations for Whitworth Scholarships, 1928. Pp. 15. 2d. net. Syllabus of the Science Scholarships Examination, 1928. Pp. 23. 4d. net. (London: H.M. Stationery Office.)

The Carnegie Trust for the Universities of Scotland. Twenty-fifth Annual Report (for the Year 1925-26) submitted by the Executive Committee to the Trustees on 9th February 1927. Pp. iv+79. (Edinburgh.)

Melbourne Observatory. Hourly Values of the Magnetic Elements at Toolangi, in 1924. Observed and reduced under the Direction of Dr. J. M. Baldwin. Pp. ix+37. (Melbourne: H. J. Green.)

Union of South Africa: Department of Agriculture. 11th and 12th Reports of the Director of Veterinary Education and Research. Part 1, September 1926. Pp. 817. (Pretoria: Government Printing and Stationery Office.) 10s.

Aeronautical Research Committee: Reports and Memoranda. No. 1047 (Ae. 233): Model Tests on a Combined Slot and Aileron Control on a Wing of R.A.F. 15 Section. Push Forward Type of Auxiliary. By F. B. Bradfield and A. S. Hartshorn. (A.2.a. Stability Calculations and Model Experiments, 112—T. 2291.) Pp. 10+8 plates. 9d. net. (London: H.M. Stationery Office.)

FOREIGN.

Cornell University Agricultural Experiment Station, New York. Bulletin 450: Results of Sweet-Corn Suckering Experiments. By H. C. Thompson. Pp. 15. Bulletin 451: The Relative Efficiency of some Copper Dusts and Sprays in the Control of Potato Diseases and Insect Pests. By Oran Cecil Boyd. Pp. 68. Bulletin 452: Economic Studies of Dairy Farming in New York. vi: Grade B Milk with Cash Crops and Mixed Hay Roughage, Crop Year 1922. By E. G. Misner. Pp. 58. Bulletin 454: The Spruce Gall-Aphid. By Glenn W. Herriek and T. Tanaka. Pp. 17. Memoir 98: The Collection and Utilisation of Pollen by the Honeybee. By Ralph L. Parker. Pp. 55. Memoir 99: The Nitrogen and Carbohydrate Composition of the Developing Flowers and Young Fruits of the Apple. By Freeman Smith Howlett. Pp. 79. Memoir 103: The Growth of certain Micro-organisms in Planted and in Unplanted Soil. By J. K. Wilson and T. L. Lyon. Pp. 25. (Ithaca N.Y.)

Field Museum of Natural History. Botanical Series, Vol. 6, No. 1: Citrus Products. Part 1. By James B. McNair. (Publication 238.) Pp. xi+212+7 plates. Zoological Series, Vol. 12, No. 12: The Amphibians and Reptiles of Mona Island, West Indies. By Karl P. Schmidt. (Publication 236.) Pp. 147-163. Zoological Series, Vol. 12, No. 13: Amphibians and Reptiles of James Simpson-Roosevelt Asiatic Expedition. By Karl P. Schmidt. (Publication 237.) Pp. 165-173. Zoological Series, Vol. 16: Catalogue of the Edward E. Ayer Ornithological Library. By John Todd Zimmer. Part 1. (Publication 239.) Pp. x+364+8 plates. Part 2. (Publication 240.) Pp. 365-706+plates 9-12. (Chicago, Ill.)

Department of Commerce: U.S. Coast and Geodetic Survey. Terrestrial Magnetism. Serial No. 360: Magnetic Declination in the United States in 1925. By Daniel L. Hazard. (Special Publication No. 126.) Pp. 88+1 map. (Washington, D.C.: Government Printing Office.) 10 cents.

U.S. Department of Agriculture: Weather Bureau. Monthly Weather Review, Supplement No. 27: Montezuma Pyrheliometry. By C. G. Abbot. (W.B. No. 906.) Pp. 15. (Washington, D.C.: Government Printing Office.) 20 cents.

Observatoire de Zi-ka-wei. Annales de l'Observatoire astronomique de Zô-sè (Chine). Tome 14, Fascicule 2: Observations du soleil (taches et protuberances), 1923, 1924, 1925. Pp. A61-A120. (Zi-ka-wei.)

Bulletin of the American Mathematical Society. List of Officers and Members, 1925-1926. (Supplement to Vol. 32, No. 5, September-October 1926.) Pp. 60. (Menasha, Wis., and New York.)

Diary of Societies.

SATURDAY, MARCH 19.

BRITISH MYCOLOGICAL SOCIETY (London Meeting) (in Botanical Department, University College), at 11 A.M.—W. R. I. Cook: Influence of Environment on Infection by *Ligniera Juncei*.—E. H. Ellis: Fungi in Japanese Carvings.—E. W. Fenton: Seed Mixtures and the Incidence of Fungal Diseases.—Miss M. P. Hall: Zoning in Cultures of *Monilia fructigena*.—K. R. Mohendra: Varieties in *Sphaeropsis malorum*.—J. Ramsbottom: Fragmenta Mycologica VII.

GEOLOGISTS' ASSOCIATION (in Department of Anatomy, University College), at 2.30.—Prof. G. Elliot Smith: Demonstration of Fossil Remains of Man.

ASSOCIATION OF MINING ELECTRICAL ENGINEERS (North of England Branch), at 3.—C. D. le Maître: Standardisation of Colliery Electrical Requisites.

PHYSIOLOGICAL SOCIETY (at University College) (Annual General Meeting), at 3.—K. H. Coward and Dr. J. H. Burn: Variations in Response of Different Rats and Mice to Injections of Oestrin.—A. W. Bourne and Dr. J. H. Burn: (a) The Dosage of Pituitary Extract in Labour; (b) The Value in Labour of the Different Constituents of Ergot.—I. de Burgh Daly: Blood Flow during Respiration: The Influence of the Heart and of the Lungs.—Prof. J. Mellanby: The Preparation of Fibrinogen and Fibrin Ferment from Oxalated Ox Blood.—Grace Briscoe: Graded Muscular Contractions of Natural Form Produced by Electrical Stimulation.—F. R. Winton: The Action of Squill Extracts on Rats.—I. T. Zeckwer: The Hyperglycaemic Response to Bacterial Vaccines.—Dr. F. W. R. Brambell: The Maturation of the Graafian Follicle in relation to Oestrus.—Dr. E. B. Verney: Some Acute Effects of Pituitary Removal in the Dog.—E. Ponder: The Reflex Act of Blinking.—W. P. Blount: The Blinking Reflex in Animals.—A. C. Hampson and M. Maizels: The Effect of pH on the Distribution of Phosphorus between Human Red Cells and Potassium Phosphate Solutions.—Demonstrations:—An Apparatus for Propelling Air round Small Enclosed Circuits when Leakage to CO₂ is to be Entirely Avoided, by F. M. Haines.—(a) Ovarian, Uterine, and Vaginal Changes during the Oestrous Cycle of the Mouse; (b) X-ray Sterilisation of the Mouse Ovary, by Drs. A. S. Parkes and F. W. R. Brambell.—The Respiratory Quotient of the Heart, by L. E. Bayliss, E. A. Müller, and Prof. E. H. Starling.—The Oxygen Usage of the Kidney, by A. Fee, A. Hemingway, and Prof. E. H. Starling.—A Stimulating Chamber for Plain Muscle, by F. R. Winton.—A Colorimetric Method for Roughly Controlling the CO Tension in Respiratory Gases, by L. M. Pickford and Dr. E. B. Verney.—(a) An Apparatus for Continuous Reading of E.M.F.; (b) A Photo-electrolytic Effect, by Dr. D. T. Harris.—An Improved Perimeter, by B. Lang.—The Histological Appearances of the Pituitary after Different Amounts of Insulin, by Elizabeth C. Raves.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: The Alpha Rays and their Application to Atomic Structure.

MONDAY, MARCH 21.

VICTORIA INSTITUTE at Central Buildings, Westminster, at 4.30.—Rev. A. H. Finn: The Predictive Element in Holy Scripture.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Dr. A. Piney: Hyperplasia and Neoplasia in Lymphatic Tissue.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—R. J. Mitchell and others: Discussion on Domestic Electrical Refrigeration.

INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (at Liverpool University), at 7.

INSTITUTION OF ELECTRICAL ENGINEERS (Teesside Sub-Centre) (at Cleveland Technical Institute, Middlesbrough), at 7.

INSTITUTION OF AUTOMOBILE ENGINEERS (Glasgow Centre) (at Royal Technical College, Glasgow), at 7.30.—H. R. Ricardo: Some Notes on Petrol-Engine Development.

RAILWAY CLUB (at 25 Tothill Street, S.W.), at 7.30.—W. N. R. J. Back: The late History of the Great Northern Railway.

ARISTOTELIAN SOCIETY (at University of London Club), at 8.—G. Cator and C. E. M. Joad: Error (Symposium).

ROYAL SOCIETY OF ARTS, at 8.—G. I. Finch: Some Applications of Electrothermics (Cantor Lectures) (2).

ROYAL GEOGRAPHICAL SOCIETY (at Aeolian Hall), at 8.30.—J. M. Wordie: The Cambridge Expedition to East Greenland.

CHEMICAL INDUSTRY CLUB.

TUESDAY, MARCH 22.

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY, at 4.—Prof. J. Barcroft: Physiology of Life in the High Andes (Wilde Memorial Lecture).

ROYAL DUBLIN SOCIETY (at Ball's Bridge, Dublin), at 4.15.—L. B. Smyth: On the Index Fossil of the Cleistopora Zone.—Miss Dorothy Beckett: The Influence of Separation and Pasteurisation on the Size of Fat Globules.—Exhibition by Dr. H. H. Poole of a convenient method of Charging Electroscopes.

ROYAL SOCIETY OF MEDICINE (Medicine, Diseases in Children, and Dermatology Sections), at 5.—Dr. S. E. Dore, J. H. Sequeira, Dr. A. Eidinow, and others: Special Joint Discussion: The Uses and Limitations of Ultra-violet Light Therapy.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Sir Charlton Briscoe: The Muscular Mechanism of Respiration and its Disorders (Lumleian Lectures) (1).