

vapour by phosphorus pentoxide, and measurement of the pressure produced by the evolved gas. The results are higher than the figures usually accepted.—A. Colani: Study of the systems uranyl sulphate, alkaline sulphate, water, at 25° C.—Félix Taboury: The basic carbonate of beryllium. The decomposition of the ammonium beryllium carbonate does not give the substance indicated by Debray, but a more basic carbonate still containing ammonia. Even after prolonged washing with water charged with carbon dioxide, it is extremely difficult to remove the whole of the ammonia.—Max and Michel Polonovski: A scopinium derivative: reduction to ψ -scopine and degradation to *m*-oxybenzaldehyde.—Emile André and Mlle. M. Th. Francois: Contribution to the study of the marine animal oils. Researches on the unsaturated fatty alcohols of spermaceti oil.—Mme. Ramart, Mlle. Laclôte, and M. Anagnostopoulos: The action of the organo-magnesium compounds on the α -trisubstituted primary amides. Whilst mono- and di-substituted acetamides give ketones when condensed with organo-magnesium compounds, the trisubstituted acetamides yield nitriles.—Raymond Charonnat: The solubility of 1-phenyl-2,3-dimethyl-4-dimethylamino-5-pyrazolone in water.—Branco Dimitrievitch: The conditions of deposit of the axinite of Mont Avala (Serbia).—Ch. Mauguin: The study of muscovite mica by means of the X-rays.—P. Corbin and N. Oulianoff: The difference and the resemblance of the crystalline schists of the two slopes of the Chamonix valley (massifs of Mont Blanc and Aiguilles Rouges).—Jean G. Popesco: A variation of terrestrial magnetism.—A. Lebediantzef: The modifications of the nitrogenous substances in earth dried in the open air and left fallow.—A. Mordvilko: Anolocyelia in the Pemphigus of Pistachia.—F. Henrijean: New researches on the heart and the electrocardiogram.—Philippe Fabre: Relation between the linear constant and the chronaxy.—Ch. Champy and Th. Keller: Uterine and mammary development by injection of ovarian hormone.—J. Houget, André Mayer, and L. Plantefol: A particular form of biological oxidation.—L. Margailan: Remarks on the oil of grape pips.—R. Fosse and Mlle. V. Bossuyt: The estimation of allantoinic acid as xanthylurea. Application to the analyses of the leaves of *Acer pseudoplatanus*.

SYDNEY.

Linnean Society of New South Wales, June 29.—G. H. Cunningham: The Gasteromycetes of Australasia (Part vii.). The genera Disciseda and Abstoma. Under Disciseda eight species are placed, one being described as new. Under Abstoma are placed two species, one being confined to New Zealand, the other, hitherto undescribed, being confined to Australia. (Part viii.) The genus Mycenastrum. The single species *M. corium* is fully described and its great variability indicated.—E. C. Chisholm: Additional flora of the Comboyne Plateau, 1926.—G. H. Hardy: (1) Further notes on a new classification of Australian robberflies (Diptera, Asilidæ). The whole family Asilidæ is dealt with. Three subfamilies and seven tribes are recognised. The old subfamily Laphrinæ is divided, two of the genera being incorporated in the Saropogonini, the remainder forming a new tribe. (2) The phylogeny of some Diptera Brachycera. Tabanoidea, Asiloidea, and Empidoidea are dealt with and special attention is given to the first two. The families Therevidæ, Apioceridæ, and Mydaidæ are closely related to the Saropogonini tribe of the Asilidæ; also the genus Clesthenia, previously regarded as a Therevid, may be an off-shoot from a stock of the Asilidæ much more primitive than the Saropogonini.

No. 3018, VOL. 120]

Official Publications Received.

BRITISH.

- Publications of the British Astronomical Association. No. 58: Tables giving \tan^2 and \tan^2 in Parabolic Motion, with Argument $M=(t-T)g-3$, to facilitate the Computation of Ephemerides from Parabolic Elements. By Bengt Strömberg. Pp. 41-57. (London: British Astronomical Association.)
- The Indian Forest Records. Botany Series, Vol. 13, Part 1: Illustrations of Indian Forest Plants. By R. N. Parker. Part 1: Five Species of Dipterocarpus. Pp. 11+30+5 plates. (Calcutta: Government of India Central Publication Branch.) 1 rupee; 1s. 9d.
- Records of the Indian Museum. Vol. 23, Part 1: Notes on Lizards in the Indian Museum, 111, On the Unnamed Collection of Lizards of the Family Scincidæ, by Dr. Sunder Lal Hora; The Flatfishes (Heterosomata) of India, with a List of the Specimens in the Indian Museum, by J. R. Norman. Pp. 47+7 plates. 2 rupees. Vol. 28: Appendix (List of Literature referring to Indian Zoology (excluding Insecta) received in Calcutta during the Year 1926.) Pp. 25. 1 rupee. (Calcutta: Zoological Survey of India.)
- Rugby Engineering Society. Proceedings, Session 1925-6. Vol. 20. Pp. xxii+160. (Rugby.) 10s. 6d.
- Transactions of the Institution of Chemical Engineers. Vol. 4, 1926. Pp. 209. (London: Institution of Chemical Engineers.)
- Aeronautics. Report of the Aeronautical Research Committee for the Year 1926-27. Pp. 55. (London: H.M. Stationery Office.) 2s. net.
- Proceedings of the Croydon Natural History and Scientific Society. Vol. 10, February 1925 to January 1927. Pp. 52+5 plates. (Croydon.)
- Catalogue of Cases of Birds in the Dyke Road Museum, Brighton: giving a few Descriptive Notes, and the Localities in which the specimens were found. By E. T. Booth; with further Notes by A. F. Griffith. Fifth edition. Pp. 290+31 plates+VIII. (Brighton: Brighton Library, Museums and Fine Arts Committee.) 2s. 6d.

FOREIGN.

- Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards, No. 551: Absorption Spectra of Iron, Cobalt and Nickel. By W. F. Meggers and F. M. Walters, Jr. Pp. 204-226+2 plates. (Washington, D.C.: Government Printing Office.) 10 cents.
- Proceedings of the United States National Museum. Vol. 71, Art. 14: A new Type of Caddis Case from the Lower Eocene of Tennessee. By Edward W. Berry. (No. 2686.) Pp. 4+1 plate. Vol. 71, Art. 16: Some Peculiar Fossil Forms from Maryland. By Wendell C. Mansfield. (No. 2688.) Pp. 9+5 plates. Vol. 71, Art. 22: A new Nematode, Nematodirus antioleopæra from the Prong-Horn Antelope, with a Key to the Species of Nematodirus. By Emmett W. Price. (No. 2694.) Pp. 4+1 plate. Vol. 71, Art. 23: A Fossil Insect from the Lower Permian of the Grand Canyon. By Frank M. Carpenter. (No. 2395.) Pp. 4+1 plate. (Washington, D.C.: Government Printing Office.)
- United States Department of Agriculture. Farmers' Bulletin No. 1531: The Tobacco Budworm and its Control in the Georgia and Florida Tobacco-growing Region. By A. C. Morgan and F. S. Chamberlain. Pp. 10. 5 cents. Farmers' Bulletin No. 1533: Rat Control. By James Silver. Pp. 21. 5 cents. (Washington, D.C.: Government Printing Office.)
- Journal of the College of Agriculture, Hokkaido Imperial University, Sapporo, Japan. Vol. 16, Part 5: Studies on Myxosporidia of Japan. By Tsunenobu Fujita. Pp. 229-247+1 plate. Vol. 17, Part 4: Chemische und physiko-chemische Untersuchung des Mannans von *Amorphophallus konjac*. Von Suguru Miyake. Pp. 163-184. (Sapporo.)
- Conseil Permanent International pour l'Exploration de la Mer. Rapports et Procès-verbaux des Reunions. Vol. 44: Rapport Atlantique 1926. Par Dr. Ed. Le Danois et Rafael De Buen. Pp. 136. (Copenhagen: Andr. Fred. Høst et fils.)

CATALOGUES.

- A Catalogue of Books on British and Foreign Birds. (No. 499.) Pp. 16. (London: Francis Edwards.)
- Constable Books: Autumn 1927. Pp. 20. (London: Constable and Co., Ltd.)

Diary of Societies.

CONGRESSES.

- AUGUST 29-SEPTEMBER 3.
INTERNATIONAL COMMISSION FOR THE EXPLORATION OF THE UPPER AIR (at Leipzig).
- AUGUST 31-SEPTEMBER 3.
WORLD POPULATION CONFERENCE (at Geneva).
- AUGUST 31-SEPTEMBER 7.
BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (at Leeds).
Friday, September 1st, 10 A.M.—Addresses by Sectional Presidents: H (Anthropology).—Prof. F. G. Parsons: The Englishman of the Future. —I (Physiology).—Dr. C. G. Douglas: The Development of Human Physiology.—Discussion (Sections A, B): The Nature and Formation of Colloidal Particles.—Discussion (Section G): Coal.—Discussion (Sections K, M): The Control of Plant Diseases.—Discussion (Section L): Education in Tropical Africa.