

mucilage had little effect on those which had reached the pupal stage. There was also an arrest of development of those which were afterwards removed to clean water. The effect of the juice is largely mechanical, and a preservative is needed to prevent decomposition.

VIVIEN ELLENBERGER: History of the Ba-ga-Maleta of Ramoutsa. The traditional and historical movements of the Maleta tribe, Bechuanaland Protectorate, collected from native tribal sources and from official records. Notes on the social structure, regimental system, national praises and the tribal territory are included.

I. SCHAPER: Acculturation among the BaKxatla.

FLORENCE RICH: Some diatoms from the Victoria Falls. An account of diatoms contained in the washings of a collection of *Dicraea* (Podostemaceæ) made just above the Falls, on the rocks at the east side, where these plants are covered by rapid-flowing water in the rainy season. About sixty different species have been identified, most of which proved to have been previously recorded from South or Central Africa. One new species and several new varieties are described and figured.

W. S. S. LADELL: Use of serum as an accessory medium in tissue culture.

H. ZWARENSTEIN: A revised simple technique for the frog test.

V. SCHRIRE and **H. ZWARENSTEIN**: The pancreas and blood inorganic phosphorus. The normal plasma inorganic phosphorus content of *Xenopus* is 7.1 mgm. per 100 ml. (average of 58 estimations). Temperature has no effect. Pancreatectomy caused a 30 per cent increase six hours after operation. Injection of insulin into normal animals caused a 50 per cent drop four hours after injection.

Cracow

Polish Academy of Science and Letters, April 6.

W. ORLICZ: The L^M spaces.

K. ŠTEINS: The technique of astronomical calculations according to an international inquiry. Some conclusions based on a questionnaire sent out to twenty-two countries relating to various points in astronomical calculations.

S. PIOTROWSKI: A star, probably new, in Gemini.

K. GUMINSKI: The luminescence of barrier anodes of aluminium. A study of the influence of the nature of the electrolyte, of the anode and the electrical conditions on the light emission of the anodes. The results are discussed from the point of view of the current theories of this luminescence.

I. ZLOTOWSKI: The structure and properties of the insulating layers formed on aluminium electrodes during anodic polarization.

K. DZIEWONSKI and **J. MOSZEW**: The reactions of methyl-*m*-xylyl ketone with compounds of the thiocarbanilide type.

A. KOCWA: The reactions of the alkyl-aryl-pyrazolones and their derivatives of the anil type with carbanil and thiocarbanil.

MLLE. J. BURTAN: The stratigraphy of the Silesian Beskide.

J. CUNGE: The cyto-architectonic of the cerebral cortex in Japanese waltzing mice.

T. VETULANI: The forest tarpan recently introduced into the forest of Bialowieza.

Official Publications Received

Great Britain and Ireland

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1602 (T. 3503): Influence of a Uniform Jet on the Lift of an Aerofoil. By H. Glauert. Pp. 14+3 plates. 1s. net. No. 1679 (1835): Stability of a Monocoque in Compression. By Dr. J. L. Taylor. Pp. 9. 6d. net. No. 1681 (1810): Experiments on a Small-Chord Flap on a Clark YH Aerofoil in the Compressed Air Tunnel. By D. H. Williams and A. F. Brown. Pp. 14+8 plates. 1s. net. No. 1683 (1926): Cooling of Aircraft Engines, with Special Reference to Ethylene Glycol Radiators enclosed in Ducts. By F. W. Meredith. Pp. 13. 9d. net. No. 1684 (2094): Two-Dimensional Flow of Compressible Fluids at Sub-Sonic Speeds past Elliptic Cylinders. By Dr. S. G. Hooker. Pp. 16+4 plates. 1s. net. No. 1686 (2038B): Flutter Experiments on a Model Wing fitted with a Dead-Centre Aileron Control. By V. M. Falkner, W. P. Jones and C. Scruton. Pp. 10+7 plates. 1s. net. No. 1694 (2018): A Routine Method of Stressing for Three-Ply Covered Fuselages, with Special Reference to some Mechanical Tests on a Particular Fuselage. By H. Davis. Pp. 4+3 plates. 6d. net. (London: H.M. Stationery Office.) [306]

Report on the Phenological Observations in the British Isles from December 1934 to November 1935. By Ivan D. Margary. (No. 45.) Pp. 299-358. (London: Royal Meteorological Society.) 3s. [77]

London Shellac Research Bureau. Technical Paper No. 9: Plastifying Lac Films, Part 1. By Dr. Lal C. Verma and Dr. R. Bhattacharya. Pp. 29. (London: London Shellac Research Bureau.) [87]

Other Countries

U.S. Department of the Interior: Office of Education. Vocational Education Bulletin No. 182 (Home Economic Series No. 19): Consumer-Buying in the Educational Program for Homemaking: Suggestions for Teachers of Homemaking in Secondary School and Adult Classes. Pp. xiii+205. (Washington, D.C.: Government Printing Office.) 20 cents. [246]

U.S. Department of Agriculture. Circular No. 386: The Wax Moth and its Control. By Warren Whitcome, Jr. Pp. 14. (Washington, D.C.: Government Printing Office.) 5 cents. [246]

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 88. The Occurrence of Flints and Extinct Animals in Pluvial Deposits near Clovis, New Mexico. Part 3: Geology and Vertebrate Paleontology of the Late Quaternary near Clovis, New Mexico. By Chester Stock and Francis D. Bode. Pp. 219-241. (Philadelphia, Pa.: Academy of Natural Sciences of Philadelphia.) [246]

Suomen Geodeettisen Laitoksen Julkaisuja: Veröffentlichungen des Finnischen Geodätischen Institutes. No. 22: Beobachtungsergebnisse; Winkelmessungen in den Jahren 1932-1935. Pp. iii+148. (Helsinki: Suomen Geodeettisen Laitoksen Julkaisuja.) [296]

Report on the Zoological Survey of India for the Years 1932-1935. Pp. iii+ix. (Delhi: Manager of Publications.) 1.2 rupees; 2s. [296]

Memoirs of the Indian Museum. Vol. 11, No. 3: Studies on Indian Jassidae (Homoptera). Part 3: Descriptions of some New Genera and Species, with first Records of some known Species from India. By Dr. Hem Singh Pruthi. Pp. 101-131+plates 8-9. (Calcutta: Zoological Survey of India.) 1.10 rupees; 2s. 9d. [296]

Allahabad University Studies. Vol. 12 (Arts and Science). Edited by the Vice-Chancellor and the Heads of Departments. Pp. v+188+5 plates. (Allahabad: Senate House.) 7.8 rupees. [296]

Memoirs of the Geological Survey of India. Palaeontologia Indica, New Series. Vol. 21, Memoir No. 4: Fossil Algae from the Uppermost Cretaceous Beds (The Nainiyur Group) of the Trichinopoly District, S. India. By L. Rama Rao and Dr. Julius Pia. Pp. v+49+6 plates. (Calcutta: Geological Survey of India.) 4.10 rupees; 7s. 9d. [296]

Indian Forest Records, New Series. Vol. 1, No. 3: The Distribution of Sesquioxides, Silica and Organic Matter in Forest Soil Profiles of the Kulu Hill Area. By R. C. Hoon. Pp. ii+347-365. (Delhi: Manager of Publications.) 12 annas; 1s. 3d. [296]

Smithsonian Miscellaneous Collections. Vol. 95, No. 12: The Dependence of Terrestrial Temperatures on the Variations of the Sun's Radiation. By C. G. Abbot. (Publication 3392.) Pp. ii+15. (Washington, D.C.: Smithsonian Institution.) [296]

Studies from the Connaught Laboratories, University of Toronto. Vol. 7, 1935. Pp. v+46 papers. (Toronto: University of Toronto Press.) [296]

Commonwealth of Australia: Bureau of Meteorology. Results of Rainfall Observations made in Tasmania, including all available Annual Rainfall Totals from 356 Stations for all Years of Record up to 1934, with Maps and Diagrams, and Record of Severe Floods. Published under the direction of W. S. Watt. Pp. 143+4 plates. (Melbourne: Government Printer.) [296]

Advisory Department of the Imperial College of Tropical Agriculture. Report of the Agricultural Department, Dominica, 1935. Pp. vi+19. (Trinidad: Imperial College of Tropical Agriculture.) 6d. [306]

Nyasaland Protectorate: Geological Survey Department. Colonial Development: Water Supply Investigation: Progress Report (No. 5) for the Year 1935. Pp. 20+5 plates. (Zomba: Government Printer.) 2s. 6d. [306]

Catalogues

The Gardener's Library: a Comprehensive List of Books on all Branches of Modern Horticulture and a Selection of the Early Literature. (New Series, No. 39.) Pp. 44. The Gardener's Library, 1936 Supplement. Pp. 8. Books, Periodicals and Pamphlets on Geology, including Paleontology, Mineralogy and Mining, with a Supplement of Recently Published Books. (New Series, No. 40.) Pp. 44. Books and Periodicals on Zoology and Botany, including Publications of the British Museum and Works on and by Linnaeus. (New Series, No. 41.) Pp. 58. Cryptogamic Botany. (New Series, No. 42.) Pp. 36. Books on Ornithology. (New Series, No. 43.) Pp. 50. (London: Wheldon and Wesley, Ltd.)