

KOSTOFF: Conjugation between morphologically different chromosomes in *Nicotiana* species hybrids. **M. GAVRILOVA**: Reversibility of the vernalisation process. **L. SERGEEV**: Salt resistance of wheats and its dependence on variety. **S. SOLDATENKOV**: Artificial ripening of subtropical fruit by means of alcohol and ethylene. **I. SHAROV**: Problem of regeneration of the epidermis in planarians. **A. SVETOVIDOV** and **G. EREMEJEV**: The European and the Amur bitterling (*Rhodeus sericeus*). **A. LISOVSKIJ**: Orthitic granites from Karamazar.

Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

Sunday, June 16

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30. Capt. Guy Dollman: "British Mammals".*

Monday, June 17

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—**J. M. Wordie**: "An Expedition to the Canadian Pacific".

Tuesday, June 18

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—(at the London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1).—**Dr. H. K. Fry**: "Native Life in Central Australia" (Film).

Thursday, June 20

ROYAL SOCIETY, at 4.30.—**Prof. Otto Loewi**: "Problems connected with the Principle of Humoral Transmissions of Nervous Impulses" (Ferrier Lecture).

ST. MARY'S HOSPITAL, LONDON, at 5.—**Dr. Joseph Needham**: "Problems of Chemical Embryology".*

Official Publications Received

GREAT BRITAIN AND IRELAND

The National Physical Laboratory. Report for the Year 1934. Pp. iv+260+16 plates. (London: H.M. Stationery Office.) 13s. net. Development Commission. Twenty-fourth Report of the Development Commissioners for the Year ended the 31st March 1934. Pp. 122. (London: H.M. Stationery Office.) 2s. net.

Amgueddfa Genedlaethol Cymru (National Museum of Wales). Some Aspects of Forestry in Wales: a Handbook to a Temporary Exhibition based on the Tree Collections in the Department of Botany, May 1-September 28, 1935. By H. A. Hyde. Pp. 22. (Cardiff: National Museum of Wales.) 3d.

The Kent Incorporated Society for Promoting Experiments in Horticulture. Annual Report (Twenty-second Year) 1934: East Malling Research Station, Kent, 1st January 1934 to 31st December 1934. Pp. 264+22 plates. Free to Associate Members; 4s. to non-members. Misc. Publication H. 23: Supplementary Annual Report (Twenty-second Year): General Development and Activities, East Malling Research Station, Kent, 1st January 1934 to 31st December 1934. Pp. 22. (East Malling: East Malling Research Station.)

The Carnegie United Kingdom Trust. Twenty-first Annual Report, January-December 1934, approved by the Trustees at their General Meeting held on Friday, March 8th, 1935. Pp. vi+88+6 plates. (Dunfermline: Carnegie United Kingdom Trust.)

The National Council for Civil Liberties. Annual Report and Balance Sheet 1934. Pp. 36. (London: National Council for Civil Liberties.)

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1573 (T. 3407 a, b, and c): On the Calculation of Stresses in Braced Frameworks. 5: The General Solution for a Cylindrical Tube of Regular Polygonal Cross Section. By R. V. Southwell and J. B. B. Owen. Pp. 85+2 plates. (London: H.M. Stationery Office.) 4s. net.

The Lister Institute of Preventive Medicine. Report of the Governing Body, 1935. Pp. 35. (London: Lister Institute.)

Hull Museum Publications. No. 182: Excavations at the Roman Fort at Brough-on-Humber. By Philip Corder. Pp. 38. 1s. No. 183: What to see in the Hull Museums. By Thomas Sheppard. Pp. 16. 1d. No. 184: Record of Additions. By Thomas Sheppard. Pp. 36. (Hull: Hull Museum.)

Report by the Hydrographer of the Navy on the Surveys carried out by H.M. Naval Surveying Service and on the Work of the Hydrographic Department for the Year 1934. Pp. viii. (London: Admiralty.)

Ninth Report of the Commissioners for the Exhibition of 1851 to the Rt. Hon. Sir John Gilmour. Pp. 43. (London: Royal Commissioners for the Exhibition of 1851.)

Technical Publications of the International Tin Research and Development Council. Series A, No. 17: Factors Influencing the Formation and Structure of Hot dipped Tin Coatings. By E. J. Daniels. Pp. 10. (London: International Tin Research and Development Council.) Free.

OTHER COUNTRIES

U.S. Department of Commerce: National Bureau of Standards. Circular of the National Bureau of Standards, C 406: Standard Time throughout the World. Pp. 24. (Washington, D.C.: Government Printing Office.) 5 cents.

Smithsonian Institution. Explorations and Field-Work of the Smithsonian Institution in 1934. (Publication 3300.) Pp. iv+88. Smithsonian Miscellaneous Collections. Vol. 93, No. 9: New Species of Tertiary Chelostome Bryozoa from Victoria, Australia, by Ferdinand Canu and Ray S. Bassler. (Publication 3302.) Pp. 54+9 plates. (Washington, D.C.: Smithsonian Institution.)

Brooklyn Botanic Garden Record. Vol. 24, No. 3: Books and Manuscripts illustrating the History of Botany. Pp. 159-194. (Brooklyn, N.Y.: Brooklyn Botanic Garden.)

Egyptian Government: Ministry of Public Works. Annual Report for the Year 1928-1929. Part 1. Pp. ii+59+26 plates. (Cairo: Government Press.) 30 P.T.

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 144: The Rust of Cowpea. Part 1: The Disease. By Dr. Tewfik Fahmy. Pp. iii+10+9 plates. (Cairo: Government Press.) 5 P.T.

Publications of the Dominion Observatory, Ottawa. Vol. 12: Bibliography of Seismology. No. 4, October, November, December, 1934. By Ernest A. Hodgson. Pp. 67-94. (Ottawa: King's Printer.) 25 cents.

Tanganyika Territory: Geological Survey Department. Bulletin No. 7: Outline of the Geology of the Musoma District; being a Preliminary Geological Survey of the Musoma Goldfields, with the exception of the Nigoti and Ikoma Areas. By G. M. Stockley. Pp. ii+64+7 plates. (Dar es Salaam: Government Printer.) 4s.

Amani Memoirs. A Synecological Study of the Usambara, Tanganyika Territory, with particular reference to Birds. By R. E. Moreau. Pp. 43+2 plates. (Amani: East African Agricultural Research Station.)

Det Kongelige Departement for Handel, Sjøfart, Industri, Håndverk og Fiskeri. Norges Svalbard- og Ishavsundersøkelser. Meddelelse Nr. 26: Some Echinoderms from Franz Josef Land, Victoriaøya and Hopen, collected on the Norwegian Scientific Expedition 1930. By James A. Greig. Pp. 10. Skrifter om Svalbard og Ishavet, Nr. 54: Bibliographie des ouvrages norvégiens relatifs au Groenland (Y compris les ouvrages islandais antérieurs à l'an 1814.). Par Hroar Varddal. Pp. 119. 12.00 kr. (Oslo: Jacob Dybwad.)

Bergens Museums Årbok, 1934. Heft 2, Naturvidenskapelig rekke, Nr. 9-14. Pp. 60+90+10+16+32+28. (Bergen: A/s John Griegs Boktrykkeri.)

Union of South Africa. Report of the South African Museum for the Year ended 31st December 1934. Pp. 17. (Pretoria: Government Printer.)

National Geographic Society. Contributed Technical Papers. Stratosphere Series, No. 1: The National Geographic Society—U.S. Army Air Corps Stratosphere Flight of 1934 in the Balloon *Explorer*. Pp. 122. (Washington, D.C.: National Geographic Society.)

U.S. Department of the Interior: Geological Survey. Bulletin 851: The Book Cliffs Coal Field in Garfield and Mesa Counties, Colorado. By Charles E. Erdmann. Pp. vi+150+21 plates. 35 cents. Professional Paper 179: Origin of the Copper Deposits of the Ducktown Type in the Southern Appalachian Region. By Clarence S. Ross. Pp. v+165+44 plates. 45 cents. Professional Paper 185-B: Paleozoic Formations of the Mosquito Range, Colorado. By J. Harlan Johnson. (Shorter Contributions to General Geology, 1934-35.) Pp. ii+15-44+7 plates. 10 cents. (Washington, D.C.: Government Printing Office.)

U.S. Department of Agriculture. Technical Bulletin No. 471: Chemical Studies of Infertile Soils derived from Rocks high in Magnesium and generally high in Chromium and Nickel. By W. O. Robinson, Glen Edgington and H. G. Byers. Pp. 29. (Washington, D.C.: Government Printing Office.) 5 cents.

Mémoires de Musée Royal d'Histoire Naturelle de Belgique. No. 63: Beiträge zur Kenntnis Tertiärer Sirenen. 1: Die Eozänen Sirenen des Mittelmeergebietes; 2: Die Sirenen des Belgischen Tertiärs. Von Otto Sickenberg. Pp. 352+11 plates. No. 64: Die Plistozänen Baeren Belgiens. Teil 1: Die Baeren von Hastiere. Von Prof. Dr. Kurt Ehrenberg. Pp. 126+13 plates. No. 65: Contribution à l'étude des Echinoïdes du Frasnien de la Belgique. Par Eug. Mailheux. Pp. 16+2 plates. No. 66: L'Aérolithe du Hainaut. Par Dr. M. Lecompte. Pp. 39+3 plates. Hors Série. Résultats scientifiques du Voyage aux Indes Orientales Néerlandaises de LL. AA. RR. le Prince et la Princesse Léopold de Belgique. Publiés par V. Van Straelen. Vol. 3, Fasc. 15: Crustacea Brachyura. By Isabella Gordon. Pp. 78. Vol. 3, Fasc. 16: Rhizocéphales (Supplément), par H. Boschma; Stomatopod Larvæ, by M. V. Lebour. Pp. 17. (Bruxelles.)

CATALOGUES

Oertling British Precision Balances and Weights. Pp. 27. (London: J. Oertling, Ltd.)

Catalogue of recently purchased Botanical Books, including some interesting items from the Library of the late Miss Willmott, and many on Flowers and Flower Gardens, Floras, Gardening, etc. (No. 237.) Pp. 20. (London: Dulau and Co., Ltd.)

Technical Brochure No. 2: Shell-Wild-Barfield Quenching Oils. Pp. 20. (London: G. W. B. Electric Furnaces, Ltd.)

Apparatus for Radiology: High Tension Transformer Units. (Publication No. A/35.) Pp. 18. (London: Newton and Wright, Ltd.)

Holiday Photography. Pp. 20. (London: Burrells Wellcome and Co.)