

of derivatives of degradation of nitrogen in the serum of some ungulates.

RENE LEGROUX: The treatment of glanders in the Equidae.

GEORGES BOURGUIGNON and MARCEL MONNIER: The variations of chronaxy under the influence of coloured light in spasmodic stiff neck.

BARUCH SAMUEL LEVIN and IVO LOMINSKI: Vaccination against bird plague with virus treated with X-rays.

Melbourne

Royal Society of Victoria, July 9.

L. W. STACH: An Upper Oligocene bryozoan faunule. A small faunule at 66–67 feet in the Torquay bore is indicative of shallow water deposition. The range of *Cellaria depressa* is extended to Upper Oligocene, and a study of *Otionella cupola spiralis* Chapman suggests that *Cupuladria* Canu and Bassler is a synonym of *Heliodoma* Calvet. *Cucullipora tetrasticha* belongs to sub-family Hippoporininae of Schizoporellidae.

F. CHAPMAN and W. J. PARR: A suggested classification of the Foraminifera. The classification differs from Cushman's in the grouping of the arenaceous after the hyaline types. The whole order (Foraminifera) is arranged in the super-families, the Allogromioidea (chitinous), the Spirillinoidea (hyaline or perforate types), and the Ammodiscoidea (arenaceous, porcellanous and subarenaceous forms). The family groups of Cushman are re-sorted and reduced from 47 to 33. About 570 genera are admitted up to the year 1934, as against 144 genera in Chapman's "Foraminifera" of 1902.

G. W. LEEPER, ANN NICHOLLS and S. M. WADHAM: Soil and pasture studies in the Mount Gellibrand area, Western District of Victoria. A soil survey of 12,000 acres of pastoral country surrounding the volcanic cone of Mount Gellibrand. Nine soil formations are defined with laboratory analyses of each type, and mineralogical studies of the fine sand fractions. The present flora is described, and future development of the area discussed.

B. J. GRIEVE: The application of a staining and maceration method in tracing the distribution of bacteria in wood vessels of herbaceous plants.

Moscow

Academy of Sciences (C.R., 2, No. 4, 1936).

G. SIRVINT: Asymptotic series of Dirichlet.

L. VINOKUROV and E. LEVSHIN: Study of the extinction of luminescence of phosphorescent substances activated by organic activators.

G. G. LAEMMLEIN: Model of polymerized molecule of silicic acid in molten flow.

M. N. MICHALOVA and M. B. NEUMANN: The cetene scale and the induction period preceding the spontaneous ignition of Diesel fuels in bombs.

S. J. KRAJEVOJ: The influence of ultra-short rays on the chromosomes of plants.

O. ISTOMINA and E. OSTROVSKIJ: The effect of ultra-sonic vibrations on plant development.

A. N. KLECHETOV: New species of *Colletotrichum* on the rubber-producing plant *Taraxacum kok-saghyz* Rodin.

A. SERGEJEV: The influence of human structures on the distribution of birds in steppes.

Forthcoming Events

Tuesday, September 22

ENGINEERS' STUDY GROUP ON ECONOMICS, at 6.30.—Annual General Meeting to be held at 23 Grosvenor Place, London, S.W.1.

FARADAY SOCIETY, September 24–26.—General Discussion on "Structure and Molecular Forces in (a) Pure Liquids and (b) Solutions" to be held in the University of Edinburgh.

Official Publications Received

Great Britain and Ireland

The Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 37: The Glaciation of the Bantry Bay District. By A. Farrington. Pp. 345–361. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) 2s. [228]

Department of Scientific and Industrial Research. Final Report of the Steel Structures Research Committee. Pp. xxvii+572+16 plates. (London: H.M. Stationery Office.) 12s. 6d. net. [228]

Home Office. Report on Conferences between Employers, Operatives and Inspectors, concerning Fencing of Machinery and other Safety Precautions, First Aid and Temperature in Woollen and Worsted Factories. Pp. 19. (London: H.M. Stationery Office.) 4d. net. [258]

Board of Trade. Survey of Industrial Development, 1935: Particulars of Factories opened, extended and closed in 1935, with some Figures for 1934. Pp. iv+36. (London: H.M. Stationery Office.) 9d. net. [258]

London County Council. Lectures and Classes for Teachers: Handbook for the Session 1936–37. Pp. 86. (London: London County Council.) [258]

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1632 (2030): Effect of Weight on Take-off and Landing. By E. Finn and S. P. Osborne. Pp. 13+5 plates. (London: H.M. Stationery Office.) 1s. net. [268]

University of Manchester: Faculty of Technology. Prospectus of University Courses in the Municipal College of Technology, Manchester, Session 1936–37. Pp. 408. (Manchester: College of Technology.) [268]

Forestry Commission. Afforestation in the Lake District: Report by the Joint Informal Committee of the Forestry Commission and the Council for the Preservation of Rural England. Pp. 6+2 plates. (London: H.M. Stationery Office.) 3d. net. [278]

Scottish Society for Research in Plant-Breeding. Report by the Director of Research to the Annual General Meeting, July 30, 1936. Pp. 30. (Edinburgh: Scottish Society for Research in Plant-Breeding.) [278]

Forest Bibliography to December 31, 1933. Part 1. Pp. xviii+78. (Oxford: Department of Forestry, University.) [288]

Papers from the Geological Department, Glasgow University. Vol. 18 (Quarto Papers of 1934–1936.) (Glasgow University Publications, 39.) Pp. iv+11 papers. (Glasgow: Jackson, Son and Co., Ltd.) [288]

Other Countries

Proceedings of the United States National Museum. Vol. 83, No. 2991: Pycnogonids from Puget Sound. By Harriet I. Exline. Pp. 413–422. Vol. 83, No. 2994: New Species of Polychaetous Annelids of the Family Nereidae from California. By Olga Hartman. Pp. 467–480. (Washington, D.C.: Government Printing Office.) [278]

Smithsonian Institution: Bureau of American Ethnology. Bulletin 112: An Introduction to Pawnee Archaeology. By Waldo Rudolph Wedel. Pp. xi+122+22 plates. (Washington, D.C.: Government Printing Office.) 30 cents. [278]

Smithsonian Miscellaneous Collections. Vol. 95, No. 13: A Comparative Study of the Labium of Coleopterous Larvae. By W. H. Anderson. (Publication 3393.) Pp. 29+8 plates. (Washington, D.C.: Smithsonian Institution.) [278]

Cornell University: Agricultural Experiment Station. Bulletin 642: An Economic Study of Land Utilization in Broome County, New York. By T. E. LaMont. Pp. 51. Bulletin 644: Economic Studies of Dairy Farming in New York. 12: 150 Farms in the Tully-Homer Area, Crop Year 1931. By John R. Raeburn. Pp. 53. Bulletin 645: The Residual Effects of some Leguminous Crops. By T. L. Lyon. Pp. 17. Bulletin 649: Rural Youth: Activities, Interests and Problems. 1: Married Young Men and Women, 15 to 29 Years of Age. By W. A. Anderson. Pp. 53. Bulletin 650: Fertilizing Onions on Muck Soils. By J. E. Knott. Pp. 20. Bulletin 651: Quality of Lettuce as it affects the New York Lettuce Industry. By J. E. Knott. Pp. 17. Memoir 187: Effects of Light on Carotenoid Formation in Tomato Fruits. By Ora Smith. Pp. 26. Memoir 188: Genesis and Composition of Peat Deposits. By B. D. Wilson, A. J. Eames and E. V. Staker. Pp. 13. (Ithaca, N.Y.: Cornell University.) [278]

U.S. Department of the Interior: Office of Education. Bulletin. 1935, No. 10: Public Education in Hawaii. By Katherine M. Cook. Pp. 56. 10 cents. Bulletin, 1936, No. 13—IV: Youth... Vocational Guidance for those out of School. By Prof. Harry D. Kitson. Pp. vii+81. 10 cents. Pamphlet No. 69: Per Capita Costs in City Schools, 1934–35. By Lula Mae Comstock. Pp. 22. 5 cents. (Washington, D.C.: Government Printing Office.) [278]