

RAYMOND HAMET: Modifications of the physiological action of 3,4-dioxyphenyl- β -aminobutanol by the substitution of a methylamino group for the amino group of this substance. PH. L'HÉRITIER and GEORGES TEISSIER: The proportion of the sexes in populations of *Drosophila* in equilibrium. MAURICE LÉCAMP: The determination of the coaptative curvature of the anterior members in *Phasma*. MAURICE LEMOIGNE, PIERRE MONGUILLON and ROBERT DESVEAUX: The production of hydroxylamine by *Sterigmatocystis nigra* at the expense of ammonia. Hydroxylamine is formed by this mould either from nitrates or from ammonia. It thus appears to be a necessary term in the nitrogen metabolism of this plant. MAURICE PIETTRE: Researches on the proteins of yolk of egg of the fowl. CONSTANTIN LEVADITI and Mlle. RACHEL SCHOEN: The virus of rabies and neoplasmic cells.

CRACOW

Polish Academy of Science and Letters, January 13. F. LEJA: A class of series with real terms. T. BANACHIEWICZ: Photographic observations of Pluto. Pluto has been found on four negatives taken at Cracow on November 3-4 and 4-5, 1935, and its positions are given. M. KAMIENSKI and M. BIELICKI: The appearance of the Wolf Comet I in 1925. Results of calculations based on all the observations of this comet made in 1925, and a comparison of these calculations with the theory of the comet. J. NOWAK: The Upper Cretaceous in the conglomerate of Sloboda Rangurska. M. GATTY-KOSTYAL and J. TESARZ: Nucleic acid from ergot of rye. After carrying out a series of comparative analyses of the nucleic acids arising from ergot of rye and from yeast, the chemical identity of these substances has been established. Mlle. J. STUDENTOWICZ: The behaviour of annelids belonging to the species *Enchytraeus albidus* under the influence of light. T. GARBOWSKI: The role of memory in a cat blind from birth. W. HEINRICH: Monocular stereoscopy. M. PODHOREDECKI: Fixing attention on the lateral parts of the field of vision. W. SZEWCUK: Researches on optical illusions.

LENINGRAD

Academy of Sciences (C.R., 4, No. 3, 1935). L. V. KANTOROVICH: Some general methods of extension of Hilbert space. D. SHERMAN: Contribution to the solution of the second fundamental problem of the theory of elasticity in the case of a multi-connected plane. W. FREDERICKSZ and W. ZWETKOFF: Movements arising in anisotropic fluids under the influence of an electrical field. P. T. SOKOLOV and S. L. SOSINSKI: Influence of electric fields on the viscosity of fluids. D. W. KONVISAROV: Plasticity of deformed metals. L. ISAKOV: A system of masses of light atoms deduced from nuclear reactions alone (2). N. N. KALITIN: Some data on the transparency of ice for the ultra-violet solar radiation. N. I. STEPANOV and S. A. BULACH: Rate of transformation in the magnesium-cadmium alloys. V. M. TIMOFEEV: Absolute age of the oldest formations of Karelia. S. HELLER: Contribution to the problem of the connexion between gravity and seismic activity. L. I. SERGEJEV, A. M. LEBEDEV and A. A. AKIFJEVA: Correlation of frost resistance and resistance to soil salination. S. S. SMIRNOV: A new genus of Cyclopinidae (Copepoda) from Anatcha Bay (Kamtchatka). W. W. POPOV: On the origin of the cell material during the formation of a heterogeneously induced extremity.

Forthcoming Events

Monday, April 6

VICTORIA INSTITUTE, at 4.30.—Dr. R. E. D. Clark: "The Present Position with Regard to the Origin of Species".

Tuesday, April 7

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Robert Muir, F.R.S.: Lister Memorial Lecture.

INSTITUTION OF CIVIL ENGINEERS, at 6.—Sir Robert Hadfield, Bt., F.R.S., and S. A. Main: "Corrosion of Iron and Steel".

Official Publications Received

Great Britain and Ireland

University of Reading: The National Institute for Research in Dairying. Annual Report for the Year ending 31st July 1934. Pp. 88. (Reading: The University.) 173
 Institute for Research in Agricultural Engineering: University of Oxford. Farm and Machine, Vol. 3: Comprising the Report of the Institute for the Year ended September 1935 and the Proceedings of the Oxford Conference on Mechanization in Mixed Farming, 1936. Pp. 256. (Oxford: Institute for Research in Agricultural Engineering.) 3s. 6d. 173
 Observations made at the Royal Observatory, Greenwich, in the Year 1934 in Astronomy, Magnetism and Meteorology, under the direction of Dr. H. Spencer Jones. Pp. vii + A74 + B10 + Cix + C57 + D66 + E46 + 24. (London: H.M. Stationery Office.) 25s. net. 183
 London County Council. Guide to the Collections in the Horniman Museum and Library, Forest Hill, London, S.E.23. Fourth edition. Pp. 128. (London: P. S. King and Son, Ltd.) 3d. 183
 Report of the Broadcasting Committee, 1935. (Cmd. 5091.) Pp. 77. (London: H.M. Stationery Office.) 1s. 3d. net. 183

Other Countries

U.S. Department of Agriculture. Technical Bulletin No. 501: Relation between the Physical Properties and Chemical Components of Various Grades of Geranish and their Attractiveness to the Japanese Beetle. By F. W. Metzger and W. W. Maines. Pp. 14. (Washington, D.C.: Government Printing Office.) 5 cents. 163
 Southern Rhodesia. Geological Survey Bulletin No. 29: Chemical Analyses of the Rocks, Ores and Minerals of Southern Rhodesia. By E. Golding. Pp. 105. (Salisbury: Government Stationery Office.) 6s. 173
 Reports of the Biochemical Research Foundation of the Franklin Institute. Vol. 3: 1934-1935. Pp. v + 340. (Philadelphia, Pa.: Franklin Institute.) 173
 Imperial College of Tropical Agriculture: Low Temperature Research Station. Memoir No. 2: The Storage of Trinidad Citrus Fruits. By E. R. Leonard. Pp. 47 + 10 plates. 2s. net. Memoir No. 3: The Storage of West Indian Mangoes. By C. W. Wardlaw and E. R. Leonard. Pp. 47 + 9 plates. 2s. net. (Trinidad: Imperial College of Tropical Agriculture.) 173
 Année polaire internationale, 1932-1933. Participation française. Tome 1: Introduction, magnétisme terrestre, aurores polaires, ozone atmosphérique, rayons cosmiques. Pp. v + 414. (Paris: Gauthier-Villars.) 125 francs. 183
 Contributions from the Physical Laboratories of Harvard University for the Years 1933 and 1934. Series 2, Vol. 1. 65 papers. (Cambridge, Mass.: Harvard University.) 183
 U.S. Department of the Interior: Office of Education. Bulletin, 1935, No. 1: Educational Directory, 1935. In 4 parts. Pp. iii + 41 + 27 + 53 + 47. (Washington, D.C.: Government Printing Office.) 183
 Smithsonian Miscellaneous Collections. Vol. 94, No. 13: Morphology of the Coleopterous Family Staphylinidae. By Richard E. Blackwelder. (Publication 3343.) Pp. 102. (Washington, D.C.: Smithsonian Institution.) 183
 Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 88. Zoological Results of the George Vanderbilt Expedition of 1934. Part 1: Introduction and Itinerary. By James A. G. Rehn. Pp. 14. Part 2: The Forest Elephant of Africa. By Glover M. Allen. Pp. 15-44 + 4 plates. (Philadelphia: Academy of Natural Sciences.) 183
 U.S. Department of Commerce: National Bureau of Standards. Miscellaneous Publication M 121: Units of Weight and Measure (U.S. Customary and Metric) Definitions and Tables of Equivalents. Pp. iv + 62. (Washington, D.C.: Government Printing Office.) 15 cents. 183
 University of California Publications in American Archaeology and Ethnology. Vol. 35, Nos. 3, 4 and 5: A Karuk World-Renewal Ceremony at Panamint, by Philip Drucker; Karok Towns, by A. L. Kroeber; Wiyot Towns, by Gladys Ayer Nomland and A. L. Kroeber. Pp. 23-48. 1s. 3d. net. Vol. 36, No. 2: Sinkyone Notes. By Gladys Ayer Nomland. Pp. 149-178 + plate 4. 1s. 6d. net. (Berkeley, Calif.: University of California Press; London: Cambridge University Press.) 203
 Amani Memoirs. A Provisional Soil Map of East Africa (Kenya, Uganda, Tanganyika, Zanzibar), with Explanatory Memoir. By G. Milne, in collaboration with V. A. Beckley and G. H. Gethin Jones, W. S. Martin and G. Griffith, and L. W. Raymond. Pp. 34 + map. (Amani: East African Agricultural Research Station; London: Crown Agents for the Colonies.) 5s. 203