

LENINGRAD

Academy of Sciences (*C.R.*, 3, No. 2). N. MUSCHELISHVILI: A discussion of new integral problems of the theory of elasticity in two dimensions. D. KRUTOV: The Picard-Landau problem. V. FESENKOV: Stability of the photometric scale for the focal images of stars. Y. KRUTKOV: Contribution to the theory of the Brownian movement. The distribution of the phases, velocities and displacements of a free particle. B. DERIAGIN: A new law of friction and gliding. A. MITKEVITCH: The effect of eddy currents on magnetic viscosity. A. SOKOLIK and K. SHCHELKIN: Change of velocity of an explosion wave with pressure. V. SHARONOV and E. KRINOV: An experimental study of the special energy distribution of daylight illumination. N. VOROZHTSOV and V. KOBELEV: Kinetics and mechanism of the catalytic exchange of chlorine for the amino-group. E. BOCHAROVA and B. DOLGOV: Synthesis of the higher alcohols from water gas under pressure. V. KHLOPIN, E. HERLING and E. IOFFE: Emission of helium by minerals and rocks. I. LICHZIER, S. ZHISLIN and Y. STUDITSKIY: Rôle of collagenic fibres in the process of osteogenesis according to data obtained from grafts transplanted on to the allantois.

Forthcoming Events

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

Sunday, November 18

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—F. A. Bannister: "Symmetry".*

Monday, November 19

ROYAL GEOGRAPHICAL SOCIETY, at 5.—Prof. Kenneth Mason: "The Study of Threatening Glaciers".

IMPERIAL COLLEGE OF SCIENCE.—ROYAL SCHOOL OF MINES, at 5.30.—Prof. P. D. Quensel: "Problems of the Archæan and Iron Ore Formations of Middle Sweden" (succeeding lectures on November 20 and 22).*

ROYAL SOCIETY OF ARTS, at 8.—Dr. Herbert Dingle: "Modern Spectroscopy" (Cantor Lectures. Succeeding lectures on November 26 and December 3).

Tuesday, November 20

ROYAL STATISTICAL SOCIETY, at 5.15—(at the Royal Society of Arts, John Street, Adelphi, W.C.2).—Prof. Major Greenwood: "University Education: its Recent History and Function" (Presidential Address).

KING'S COLLEGE, LONDON, at 5.30.—W. Allard: "Design of Channels and Structures—Silt—Losses—Salination".*

Wednesday, November 21

SOCIETY OF CHEMICAL INDUSTRY (PLASTICS GROUP), at 7.30.—K. M. Chance: "Urea Plastics" (Joint meeting with the Institute of the Plastics Industry).

ROYAL ENTOMOLOGICAL SOCIETY OF LONDON, at 8.—Miss Lucy E. Cheesman: "An Entomological Expedition to Papua".

Friday, November 23

ROYAL ASTRONOMICAL SOCIETY.—Discussion on "Lightning" to be opened by Dr. B. F. J. Schonland.

ROYAL INSTITUTION, at 9.—Prof. M. Polanyi: "Heavy Water in Chemistry".

Official Publications Received

GREAT BRITAIN AND IRELAND

Eton College Natural History Society. Annual Report, 1933-34. Pp. 43+5 plates. (Eton.) 5s.

Universities Bureau of the British Empire. Report of the Executive Council together with the Accounts of the Bureau for the Year 1st August 1933 to 31st July 1934. Pp. 22. (London: Universities Bureau of the British Empire.)

Department of Scientific and Industrial Research. Report of the Forest Products Research Board, with the Report of the Director of Forest Products Research for the Year 1933. Pp. vi+67+3 plates. (London: H.M. Stationery Office.) 1s. 3d. net.

Report of the Government Chemist upon the Work of the Government Laboratory for the Year ending 31st March 1934; with Appendices. Pp. 48. (London: H.M. Stationery Office.) 9d. net.

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1575: Collected Reports on British High Speed Aircraft for the 1931 Schneider Trophy Contest. Pp. iii+100+60 plates. (London: H.M. Stationery Office.) 10s. net.

Report of the Council of the Natural History Society of Northumberland, Durham and Newcastle-upon-Tyne, intended to be presented at the Annual Meeting of the Society, 30th October 1934. Pp. 42. (Newcastle-upon-Tyne.)

University of London: University College. Calendar, Session 1934-1935. Pp. lxxx+12+576+28. (London: Taylor and Francis.)

Prospectus of Harper Adams Agricultural College, Newport, Shropshire. Pp. 28. (Newport.)

The Wellcome Research Institution and the Affiliated Research Laboratories and Museums, founded by Sir Henry Wellcome; and Exhibits at the Chicago Exposition, 1934. Pp. 90. (London: The Wellcome Foundation, Ltd.)

Transactions of the Royal Society of Edinburgh. Vol. 58, Part 1, No. 9: A Study of a Tectibranch Gasteropod Mollusc, *Philine aperta* (L.). By Herbert H. Brown. Pp. 179-210. 4s. Vol. 58, Part 1, No. 10: The Life-History and Structure of *Hæmatopota pusivialis*, Linné (Tabanidae). By Dr. A. E. Cameron. Pp. 211-250. 5s. (Edinburgh: Robert Grant and Son: London: Williams and Norgate, Ltd.)

Proceedings of the Royal Society of Edinburgh. Vol. 54, Part 2, No. 16: On a New Species of *Psymphyllum* from the Upper Carboniferous of Scotland. By Jessie A. R. Wilson. Pp. 188-192+1 plate. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.) 9d.

Fifth Annual Reports of the National Radium Trust and Radium Commission, 1933-1934. (Cmd. 4711.) Pp. 34. (London: H.M. Stationery Office.) 9d. net.

North-East Coast Institution of Engineers and Shipbuilders (Incorporated). Report of the Council, 1933-34. Pp. 16. (Newcastle-upon-Tyne.)

The Institute of Chemistry of Great Britain and Ireland. Register of Fellows, Associates and Students. Pp. 414. (London.)

Svenska Ingeniörsallskapet i Storbritannien: The Society of Swedish Engineers in Great Britain, 1924-1934. Pp. 104. (London.)

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1601 (T. 3496): Accuracy of Performance Measurement. By J. L. Hutchinson and E. Finn. Pp. 5+4 plates. 6d. net. No. 1605 (F.M. 150): Abstract—Flow due to a Rotating Disc. By W. G. Cochran. Pp. 1. 2d. net. No. 1606 (T. 3303): Abstract—Stresses Induced by Flexure in a Deep Rectangular Beam. By D. B. Smith and R. V. Southwell. Pp. 1. 2d. net. No. 1607 (T. 3290): Abstract—A Modification of Oseen's Approximate Equation for the Motion in Two Dimensions of a Viscous Incompressible Fluid. By R. V. Southwell and H. B. Squire. Pp. 1. 2d. net. No. 1610 (E.F. 297): Abstract—Analysis of Experimental Observations in Problems of Elastic Stability. By R. V. Southwell. Pp. 1. 2d. net. (London: H.M. Stationery Office.)

Battersea Polytechnic. Report of the Principal for the Session 1933-34. Pp. 41. (London: Battersea Polytechnic.)

Department of Scientific and Industrial Research. Report of the Committee on Mechanical Testing of Timber. Pp. vi+41+6 plates. (London: H.M. Stationery Office.) 1s. net.

OTHER COUNTRIES

Regenwaarnemingen in Nederlandsch-Indië, 1931. Pp. 113. (Batavia: Koninklijk Magnetisch en Meteorologisch Observatorium.)

Conseil Permanent International pour l'Exploration de la Mer. Rapports et procès-verbaux des réunions: Vol. 89: 1^{ère} partie, Procès-verbaux (Juin 1934). Pp. 64. (Copenhagen: Andr. Fred. Høst et fils.) 3.50 kr.

Bulletins of Indian Industries and Labour. No. 52: Proceedings of the Sixth Industries Conference (Held in Simla on the 9th, 10th and 11th July 1934.) Pp. iii+167. (Delhi: Manager of Publications.) 2.6 rupees; 4s.

Anthropological Bulletins from the Zoological Survey of India. Bulletin No. 2: A Comparative Study of the Somatic Affinities of the Maithil and Kanaujia Brahmins of Behar. By Bajra Kumar Chatterjee. Pp. iv+69-216+plates 23-24. (Calcutta: Zoological Survey.) 4 rupees; 6s. 9d.

Memoirs of the Indian Museum. Vol. 11, No. 2: Studies on Indian Jassidae (Homoptera). Part 2: Description of the Genotypes of some of the Genera founded by W. L. Distant, with a Revision of the Genus *Moonia* Distant. By Dr. Hem Singh Pruthi. Pp. 69-99+plates 6-7. (Calcutta: Zoological Survey.) 1.10 rupees; 2s. 9d.

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