

established a micromethod based on the work of Smith and Gring. C. CIMMERMANN and P. WENGER: The micro-estimation of zinc by means of anthranilic acid. The authors have worked out a rapid and exact micromethod based on the use of this reagent.

LENINGRAD

Academy of Sciences (C.R., 2, No. 1, 1935). I. VINOGRADW: On approximation by means of rational fractions having powers of total numbers for denominators. V. IGNATOVSKIJ: The Laplacean transformation. L. RADZISHEVSKIJ: Contribution to a general theory of linear functional equations. V. KUPRADZE: A generalised 'principle of radiation' in the theory of elasticity. L. LEIBENSON: (1) The theory of the turbulent boundary layer. (2) The energy form of the integral condition in the theory of the boundary layer. A. MITKEVITCH: The influence of mechanical vibration on the subsequent manifestations of magnetic viscosity. V. IPATJEV and W. TRONEV: The separation of metals of the platinum group by hydrogen under pressure. M. KABATSHNIK and M. KATZNELSON: Amination of alkaloids with sodium and potassium amides. A. KLEBANSKIJ and K. CHEVYCHALOVA: Synthesis of β -chlorpropionic acid by condensation of phosgene with ethylene. P. BORODIN and M. GADD: An investigation of the radioactivity of the springs of the Ilmen district and of Lake Turgoyak (South Urals). M. CLAIRE: Some notes on the hydrogeology of the springs of the Ilmen district and of Lake Turgoyak (South Urals). V. LEVSHIN and M. ALENCEV: Researches on the phosphorescence of calcites. J. SALKIND, S. SONIS and N. BLOCHIN: Studies in the synthesis of vitamin A. (1) The action of magnesium-bromovinyl-acetylene on the β -ionone. (2) Biological properties of the product of synthesis. Z. KATZNELSON: The sources of development of the latero-ventral part of the body muscles and of the tail muscles in Amphibia. V. DONTCHENKO and N. MEDVEDEV: A case of dependence of success of interspecific hybridisation upon a single gene. DONTCHO KOSTOFF: Changes in karyotypes induced by centrifugation. V. CIVINSKIJ: The effect of fruiting upon transpiration. N. KALABUKHOV: The physiological peculiarities of the mountain and the plains sub-species of the forest mice (*Apodemus sylvaticus ciscaucasicus* Ogn. and *A. sylvaticus mosquensis* Ogn.).

MELBOURNE

Royal Society of Victoria, April 11. AUSTIN B. EDWARDS: Three olivine basalt-trachyte associations and some theories of petrogenesis. Investigation of the olivine basalt-trachyte associations in three Tertiary igneous provinces, in Victoria, at Otago in New Zealand, and at Kerguelen Island, supports the theory advanced by W. Q. Kennedy that alkaline lavas are the normal product of differentiation of an olivine-basalt magma, so long as there is no undue amount of contamination by contemporary syntaxis. Desilication of basaltic magma by its assimilation of calcareous sediments has not occurred in either of the three provinces. In the absence of an immediately previous orogeny, such alkaline rocks will develop in a continental region as readily as in an oceanic region; but an orogeny appears to provide conditions favourable to large-scale assimilation of siliceous and argillaceous sediments, with an accompanying production of andesitic types.

Forthcoming Events

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

Sunday, July 14

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—
M. Burton: General Tour of the Museum.*

INTERNATIONAL CONGRESS FOR SCIENTIFIC MANAGEMENT,
July 15–19.—Sixth Congress to be held in the Central
Hall, Westminster, S.W.1.

July 15 at 12. Opening of the Congress by H.R.H.
the Prince of Wales.

Official Publications Received

Great Britain and Ireland

Annual Report of the Council to the Members of the City and
Guilds of London Institute, to be presented at the Yearly Meeting
in May 1935. Pp. liii+112. (London: Gresham College.)

The National Central Library 19th Annual Report of the Executive
Committee, 1934–35. Pp. 57. (London: National Central Library.)

Other Countries

U.S. Department of Agriculture. Technical Bulletin No. 463:
Biological and Ecological Factors in the Control of the Celery Leaf
Tier in Florida. By E. D. Ball, J. A. Reeves, B. L. Boyden and W. E.
Stone. Pp. 56. (Washington, D.C.: Government Printing Office.)
10 cents.

Agricultural Experiment Station of the Rhode Island State College.
Bulletin 247: Blackhead (Enterio-Hepatitis) Investigations. By
John P. Delaplane and Homer O. Stuart. Pp. 16. (Kingston, R.I.:
Rhode Island State College.)

Meddelelser fra Kommissionen for Danmarks Fiskeri- og Havundersø-
gelse. Serie Fiskeri, Bind 10, Nr. 1: Cod Marking Experiments in
the Waters of Greenland, 1924–1933. By Paul M. Hansen, Ad. S.
Jensen and A. Vedel Tåning. Pp. 119. (København: C. A. Reitzels
Forlag.)

Zoologica. Vol. 19, No. 3: A Second List of Antillean Reptiles and
Amphibians. By Thomas Barbour. Pp. 77–141. (New York: New
York Zoological Society.)

Ceylon Part 4: Education, Science and Art (G). Administration
Report of the Marine Biologist for the Year 1934. By A. H. Malpas.
Pp. G7. (Colombo: Government Record Office.) 10 cents.

Kungl. Sjökartverket, Stockholm. Resultat af de Beobachtungen
des Magnetischen Observatoriums zu Lovö (Stockholm) im Jahre
1931. Pp. 95. (Stockholm.)

Commonwealth of Australia: Council for Scientific and Industrial
Research. Bulletin No. 87: 1. On the Rotation of the Plane of
Polarization of Long Radio Waves, by Dr. A. L. Green and Dr.
Geoffrey Bulder; 2. A Field-Intensity Set, by Dr. A. L. Green and
H. B. Wood; 3. Measurements of Attenuation, Fading and Inter-
ference in South-Eastern Australia, at 200 Kilocycles per Second,
by G. H. Munro and Dr. A. L. Green; 4. A Frequency Recorder, by
Dr. D. F. Martyn and H. B. Wood. (Radio Research Board, Report No.
6.) Pp. 58. Bulletin No. 88: 1. The Propagation of Medium Radio
Waves in the Ionosphere, by Dr. D. F. Martyn; 2. The Character-
istics of Downcoming Radio Waves, by Dr. D. F. Martyn and Dr. A. L.
Green; 3. The Influence of Electric Waves on the Ionosphere, by
Dr. V. A. Bailey and Dr. D. F. Martyn; 4. Long Distance Observa-
tions of Radio Waves of Medium Frequencies, by Dr. D. F. Martyn,
R. O. Cherry and Dr. A. L. Green. (Radio Research Board, Report
No. 7.) Pp. 63. Bulletin No. 89: 1. Simultaneous Observations of
Atmospherics with Cathode Ray Direction-Finders at Toowoomba
and Canberra, by G. H. Munro, Dr. H. C. Webster and A. J. Higgs;
2. Atmospheric Interference with Reception, by W. J. Wark. (Radio
Research Board, Report No. 8.) Pp. 61. Pamphlet No. 54: Thrips
Investigation; Some Common Thysanoptera in Australia. By H.
Vevers Steele. Pp. 59. (Melbourne: Government Printer.)

Proceedings of the Academy of Natural Sciences of Philadelphia,
Vol. 87. South American Land and Freshwater Mollusks, 9: Colom-
bian Species. By Henry A. Pilsbry. Pp. 83–88. (Philadelphia:
Academy of Natural Sciences.)

Bulletin of the American Museum of Natural History. Vol. 68,
Article 5: The Taxonomy of the Genera of Neotropical Hystricoid
Rodents. By G. H. H. Tate. Pp. 295–447. (New York: American
Museum of Natural History.)

Indian Central Cotton Committee: Technological Laboratory.
Technological Bulletin, Series A, No. 27: Combing of Good Quality
Indian Cottons. By R. P. Richardson and Dr. Nazir Ahmad. Pp. 31.
(Bombay: Indian Central Cotton Committee.)

Nigeria. Sessional Paper No. 17 of 1935. The Nigerian Goldfield.
By Dr. W. Russ. Pp. 11. (Lagos: Government Printer.)

Catalogues

A Catalogue of Scientific Periodicals and Publications of Learned
Societies and Public Institutions. (No. 506.) Pp. 68. (London:
Bernard Quaritch, Ltd.)

Sands, Clays and Minerals. Vol. 2, No. 3, June. Pp. 160. (Chatteris:
Algernon Lewin Curtis.)