

GEORG KOLLER and HERMANN HAMBURG: Rhodocladonic acid.

PHILIPP GROSS and HANS SUESS: Thermal decomposition of dioxane.

H. DOSTAL and R. RAFF: The mechanism of thermal polycondensation reactions.

B. ORMONT and B. A. PETROW: Thermal decomposition of simple and complex cyanides with formation of alkali metals, with special reference to potassium.

W. J. MÜLLER, H. FREISSLER and E. PLETTINGER: Anodic behaviour of gold-copper alloys in 5*N* hydrochloric acid and *N* sulphuric acid. The relative quantities of gold and copper dissolved out of alloys of various compositions are measured when these are made the anode in acid solutions.

W. J. MÜLLER and E. LÖW: (1) The influence of the purity of aluminium upon corrosion in hydrochloric acid of varying concentration. (2) Theory of corrosion phenomena. Part 4. Application of the theory of local elements to the problem of corrosion.

ALFRED LICHTENFELD and KARL SCHWARZ: The theory of Kikuchi lines studied by means of models. Light is transmitted through a 3-dimensional grating having a spacing of about 1000  $\lambda$  and bright lines are formed on a screen behind the grating.

F. SEIDL: (1) Electrical conductivity of solidified melts of Rochelle salt. Conduction in Rochelle salt is found to be ionic in nature. (2) Electrical behaviour of single crystals of Rochelle salt crystallized from saturated solutions in an electric field.

HERBERT HABERLANDT: Radioactive haloes in fluorite from Striegau.

MAX TOPERCZER: Contribution of the data of the magnetic survey of Austria in 1930.0 to the study of the earth's magnetic field. (2) Improvement of some values of the vertical intensity.

WILHELM SCHMIDT: Vertical motion in clouds studied by cinematograph pictures. Vertical motion of any part of a cloud is detected by placing two successive photographs of the cloud in a stereo-comparator.

NORBERT LICHTENECKER: Glacier research in the Sonnblick in 1930-34.

F. STEINHAUSER: Probability of precipitation in the eastern Alps.

H. TOLLNER: Glacier winds on the Pasterze glacier.

ERHARD BRAUMÜLLER: The north boundary of the Tauern between the Fusch and Rauris valleys.

SIEGMUND PREY: The possibility of the emergence of the Dent Blanche nappe in the Sonnblick.

GABRIELE ROGENHOFER: Action of growth-promoting substances on bark formation in woody shoots.

HELMUTH ZAPFE: The possibility of aragonite surviving the fossilization process investigated by means of the Feigl-Leitmeier reagent.

EMIL ABEL and A. BILDERMANN: Kinetics of the oxidation of formic acid by iodine acid.

WALTER KOSMATH, VOLKMAR HARTMAIR and OTTO GERKE: Contribution of plant physiology towards the assessment of the biological or balneological importance of the radioactivity of the treatment at Bad-Gastein.

May 14.

FRANZ RINAGL: The importance of the upper elastic limit. By making use of the bending of bars of various cross-sections, trustworthy values of the upper elastic limit are obtainable.

## Official Publications Received

### Great Britain and Ireland

Department of Statistics, University of London: University College. Statistical Research Memoirs. Vol. 1. Edited by J. Neyman and E. S. Pearson. Pp. v+161. (London: University College.) 15s. net.

The International Institute for Psychical Research, Ltd. Bulletin 3: Enquiry into the Cloud-Chamber Method of Studying the "Intra-Atomic Quantity". By B. J. Hopper. Pp. 16+2 plates. (London: International Institute for Psychical Research, Ltd.) 2s.

Royal Botanic Gardens, Kew. Bulletin of Miscellaneous Information, 1935. Pp. iv+669+11 plates. (London: H. M. Stationery Office.) 15s. net.

The National Trust for Places of Historic Interest or Natural Beauty. Report 1935-1936. Pp. ix+126. Freehold and Leasehold Properties of the Trust and Protected Properties. Pp. xv+34+24+8 plates. (London: The National Trust.) [107]

### Other Countries

Meddelelser om Grønland. Band 78, Nr. 3: The Godthaab Expedition 1928—The Hydrographic Work and Material. By Eigil Riis-Carstensen. Pp. 101+12 plates. 6.00 kr. Band 80, Nr. 1: The Godthaab Expedition 1928—Crustacea Decapoda. By K. Stephenson. Pp. 94. 4.50 kr. Band 80, Nr. 2: The Godthaab Expedition 1928—Crustacea Varia. By K. Stephenson. Pp. 38. 1.75 kr. Band 93, Nr. 5: Fossil Plants from Kingitok and Kaglunguak, West Greenland. By A. C. Seward and Verona M. Conway. Pp. 41+5 plates. 2.50 kr. Band 93, Nr. 7: Der Grönländische Moschusochse, *Ovibos moschatus wardi* Lydekker. Von Alwin Pedersen. Pp. 32. 4.00 kr. Band 95, Nr. 6: Trearexpeditionen til Christian den X's Land 1931-34—Zur Regelung der Gesteine im Kristallin von Liverpool-land in Ostgrønland. Von Th. G. Sahlstein. Pp. 27+7 plates. 2.00 kr. Band 99, Nr. 3: Trearexpeditionen til Christian den X's Land 1931-34—The Upper Jurassic Invertebrate Faunas of Cape Leslie, Milne Land. 2: Upper Kimmeridgian and Portlandian. By L. F. Spath. Pp. 180+50 plates. 13.00 kr. Band 100, Nr. 8: Trearexpeditionen til Christian den X's Land 1931-34—Investigations on the Shore Fauna of East Greenland with a Survey of the Shores of other Arctic Regions. By Holger Madsen. Pp. 79. 4.00 kr. Band 102, Nr. 2: Trearexpeditionen til Christian den X's Land 1931-34—Eskimo Settlements in Kempe Fjord and King Oscar Fjord. By P. V. Glob, with a Zoological Appendix, by M. Degerbol. Pp. 97+7 plates. 5.00 kr. Band 104, Nr. 6: The Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land—Insects and Arachnids. By Jens Braendegaard, Kai L. Henriksen and R. Spärck. Pp. 18. 1.00 kr. (København: C. A. Reitzel's Forlag.) [296]

Spisy vydávané Přírodovědeckou Fakultou Masarykovy University (Publications de la Faculté des Sciences de l'Université Masaryk). Čís. 219: Příspevek ku poznání některých bromovaných derivátů pyrokatecholu (A Contribution to the knowledge of some Brominated Pyrocatechols). Napsali J. Frejka a B. Šefranek. Pp. 10. Čís. 220: Nález brushtu na kostech ze starého Bitova na vranovské pěchradě (Sur la brushtu provenant de l'ossuaire de Bitov en Moravie). Napsal Josef Sekanina. Pp. 12. Čís. 221: Sur un conoide cubique (O jednom kubickém konoidu). Par Ladislav Seifert. Pp. 18. Čís. 222: Příspevek k poznání květeny československé, 1 (Ad horam checoslovenicam additamentum, 1). Napsal Vlad. Krist. Pp. 13. Čís. 223: Nerozpuštěné nitroprussidy kovů (Unlösliche metallnitroprussidsalze); napsali J. V. Dubský a E. Krametz; a Reakce solí železitých s pyramidonem za přítomnosti komplexních kyanidů železa (Reaktion der ferrisalze mit pyramidon in gegenwart komplexer kyanide des eisens), napsali J. V. Dubský, E. Krametz a J. Trlíek. Pp. 10. Čís. 224: Geografické rozšíření rodu *Ophrys* v CSR (Distribution géographique des espèces du genre *Ophrys* en Tchécoslovaquie). Napsal T. Martinec. Pp. 20. (Brno: A. Písa.) [296]

Report for the Year 1935 of His Majesty's Astronomer at the Cape of Good Hope to the Secretary of the Admiralty. Pp. 17. (Cape of Good Hope: Royal Observatory.) [306]

Astrophysica Norvegica. Vol. 2, No. 1: On the Trajectories of Electric Particles in the Field of a Magnetic Dipole with Applications to the Theory of Cosmic Radiation, 5. By Carl Stermer. Pp. 124+19 plates. (Oslo: Jacob Dybwad.) [306]

Osiris. Vol. 2, Part 4: A Sketch History of Entomology. By E. O. Essig. Pp. 80-123. (Bruges: Saint Catherine Press, Ltd.) [17]

New York Zoological Society. Report of the Director of the Aquarium. Pp. 20. (New York: New York Zoological Society.) [37]

Proceedings of the United States National Museum. Vol. 83, No. 2985: A Study of the Fossil Horse Remains from the Upper Pliocene of Idaho. By C. Lewis Gazin. Pp. 281-320+plates 23-33. (Washington, D.C.: Government Printing Office.) [37]

A Decade of Service, 1925-1935: Report of the Director, Wisconsin Alumni Research Foundation. Pp. 16. (Madison, Wis.: University of Wisconsin.) [37]

Deutsche Seewarte. Einundsechzigster Jahresbericht über die Tätigkeit der Deutschen Seewarte, 1935. Pp. 53. (Hamburg: Deutsche Seewarte.) [37]

Achema-Jahrbuch, Jahrgang 1935-36: Berichte über Stand und Entwicklung des Chemischen Apparateswesens. Pp. 194+56+xxvii. (Berlin: Verlag Chemie G.m.b.H.) [67]

### Catalogues

A Catalogue of Books and Periodicals on Botany (including many Important Floras), Agriculture, Forestry, Fruit-Culture, Gardens and Gardening, Herbals. (No. 523.) Pp. 60. (London: Bernard Quaritch, Ltd.)

The Wild-Barfield Heat-Treatment Journal. Vol. 2, No. 1, June. Pp. 14+iv. (London: Wild-Barfield Electric Furnaces, Ltd.)

Rapidex: a New British X-Ray Unit. Pp. 16. (London: Cuthbert Andrews.)