

to a series of cognate hybrids. Five chemical analyses show that the complex is closely related to the Hartley series, and possibly represents a northerly extension of the Hartley-Bathurst bathylith.

H. G. RAGGATT: Geology of the north-west basin of Western Australia, with particular reference to the stratigraphy of the Permo-Carboniferous. The stratigraphy and lithology of the Permo-Carboniferous system in the north-west basin of Western Australia are described in detail, and a subdivision into series and stages suggested. Correlation of these rocks with the Permo-Carboniferous of the Irwin River is discussed. An outline of the stratigraphy of the Cretaceous and the geological history and structure of the region are given.

WINIFRED MANKIN: An attempt at quantitative analysis of silver-gold alloys. Arc spectra were obtained from alloys of silver and gold in various proportions in the attempt to find a definite relation between the ratio of the intensities of corresponding lines in the spectra of the two metals and their proportions in the alloy. The alloy formed a bead in the crater of a carbon arc. Three pairs of corresponding lines were examined. No regular relations were obtained, and this is due mainly to the relative rates of volatilization varying considerably with slight changes in the arc conditions. Chemical analysis showed that the relative proportions of the metals were changed considerably, and in an erratic manner, by the passage of the arc. Suggestions are made for modifications of method.

H. FINNEMORE and JOYCE M. COOPER: Cyanogenic glucosides in Australian plants (4). *Zieria laevigata*. The leaves of this rutaceous plant yield by the action of its own enzyme 0.2 per cent of hydrocyanic acid, and approximately twice this amount with additional enzyme. It is shown that this is due to the decomposition of zierin, the glucoside of meta-hydroxybenzaldehyde cyanhydrin.

Other Countries

- Uganda Protectorate. Annual Report of the Geological Survey Department for the Year ended 31st December 1935. Pp. 19. (Entebbe: Government Printer.) 2s. [67]
- Memoirs of the Kyancutta Museum. No. 2: Further Notes on Archaeocyathi (Cyathospongia) and other Organisms from the Lower Cambrian of Beltane, South Australia. By R. and W. R. Bedford. Pp. 9-20+plates 7-20. (Kyancutta: Kyancutta Museum.) [67]
- Survey of India. General Report 1935, from 1st October 1934 to 30th September 1935. Pp. xi+74+14 plates. 1.8 rupees; 2s. 6d. Index to Annual Reports of the Survey of India, 1904-5 to 1926-7. Compiled by Lieut.-Colonel A. H. Gwyn. Pp. 21. (Calcutta: Survey of India.) [67]
- Meddelelser fra Kommissionen for Danmarks Fiskeri- og Havundersøgelser. Serie Fiskeri, Bind 10, Nr. 3: Young Herring and Sprat in Faroese Waters. By A. Vedel Tåning. Pp. 28. 1.20 kr. Serie Fiskeri, Bind 10, Nr. 4: On the Eggs and Young Stages of the Halibut. Pp. 23. 1.00 kr. (København: C. A. Reitzels Forlag.) [67]
- Madras Fisheries Department. Administration Report for the Year 1934-35. By Dr. B. Sundara Raj. Pp. iii+74. (Madras: Government Press.) 10 annas. [67]
- Imperial College of Tropical Agriculture. Fifth Annual Report on Cacao Research, 1935. Pp. 55+4 plates. (Trinidad: Government Printing Office.) 5s. [67]
- Indian Central Cotton Committee: Technological Laboratory. Technological Bulletin, Series A, No. 31: Quality of Lint in relation to Ginning Factors. Part 1: The Effect of (i) Moving Knife Setting; and (ii) Saw Speed. By Dr. Nazir Ahmad and R. P. Richardson. Pp. ii+30. 1 rupee. Technological Bulletin, Series A, No. 32: The Effect of employing Different Roller Settings and Twists on the Spinning Performance of Three Indian Cottons. By R. P. Richardson and Dr. Nazir Ahmad. Pp. 16. 8 annas. (Bombay: Indian Central Cotton Committee.) [77]
- State of Connecticut: State Geological and Natural History Survey. Bulletin No. 56: Marbles and Limestones of Connecticut. By Fred Holmes Moore. Pp. 56+14 plates. (Hartford, Conn.: State Geological and Natural History Survey.) 60 cents. [87]
- Proceedings of the California Academy of Sciences, Fourth Series. Vol. 23, No. 2: A List of the Birds of the Atlin Region, British Columbia. By Harry S. Swarth. Pp. 35-58. Vol. 23, No. 3: Origins of the Fauna of the Sitkan District, Alaska. By Harry S. Swarth. Pp. 59-78. (San Francisco: California Academy of Sciences.) [87]
- A Compendium of Minerals and Stones used in Chinese Medicine from the Pen Ts'ao Kang Mu. Compiled by B. E. Read and C. Pak. (Published by the Peking Natural History Bulletin.) Second edition. Pp. viii+98. (Peiping: The Franch Bookstore.) 1.75 dollars. [107]
- Ministry of Commerce and Industry, Egypt: Fisheries Research Directorate. Notes and Memoirs, No. 13: Les fonds de pêche près d'Alexandrie. 6: Hydroidea. Par Armand Billard. Pp. 12. Notes and Memoirs, No. 15: The Fishery Grounds near Alexandria. 7: Decapoda. By Heinrich Balss; with an Appendix: Schizopoda, by C. Zimmer. Pp. 68. Notes and Memoirs, No. 16: The Fishery Grounds near Alexandria. 8: Pantopoda. By Dr. H. Helfer. Pp. 6. Notes and Memoirs, No. 17: The Fishery Grounds near Alexandria. 9: Sponges. By Maurice Burton. Pp. 28. (Cairo: Government Press.) [107]
- Ministry of Finance: Coastguards and Fisheries Administration: Fisheries Research Directorate. Rapport sur les pêcheries d'Egypte en 1933. Par Hussein Faouzi. Pp. vi+135. (Cairo: Government Press.) [107]
- Punjab Irrigation Research Institute. Research Publication, Vol. 2, No. 11: Pressures under a Model of Panjnad Weir and under the Prototype. By Harbans Lal Uppal. Pp. 6. 4 annas; 5d. Research Publication, Vol. 2, No. 12: Design of Khanki Weir Bay S. By J. P. Gunn and Harbans Lal Uppal. Pp. 2+4 plates. 4 annas; 5d. Research Publication, Vol. 5, No. 4: On the Electrical Method of Investigating the Uplift Pressures under Dams and Weirs. By Dr. V. I. Vaidhianathan and Gurdas Ram. Pp. 5+8 plates. 5 annas; 7d. Research Publication, Vol. 5, No. 5: Floation Gradient for the Flow of Water through Porous Strata and its Bearing on the Stability of Foundations. By Dr. V. I. Vaidhianathan and Hans Raj Luthra. Pp. 13+8 plates. 6 annas; 8d. (Lahore: Punjab Irrigation Research Institute.) [137]
- Brooklyn Botanic Garden Record. Vol. 25, No. 3: The Early Vegetation of Long Island (A Long Island Tercentenary Publication). By Henry K. Svenson. Pp. 207-228. (Brooklyn, N.Y.: Brooklyn Institute of Arts and Sciences.) [137]
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- Ceylon. Part 4: Education, Science and Art (G). Administration Report of the Marine Biologist for the Year 1935. By A. H. Malpas. Pp. G9. (Colombo: Government Record Office.) 10 cents. [137]
- Osiris. Vol. 2, Part 5: Historical Introduction to the Study of Teleostean Development. By Jane M. Oppenheimer. Pp. 124-148. (Bruges: Saint Catherine Press, Ltd.) [157]

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- Rubber Growers' Association. Rubber and Agriculture Series, Bulletin No. 2: Pneumatic Equipment for Horse Drawn Vehicles. By Alexander Hay. Pp. 20. (London: Rubber Growers' Association.) [137]
- Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1675 (T. 3602): Graphical Method of Calculating Performance of Aircraft. By C. N. H. Lock. Pp. 30+8 plates. 2s. net. No. 1677 (S. and C. 453): Flight Tests on an Atlas fitted with Auto-slots having various Link Arrangements. By W. G. Jennings. Pp. 7+5 plates. 9d. net. No. 1695 (2076): Effect of Static Pressure along the Axis of an Open Jet Tunnel of (a) Nozzle Flare, and (b) a Ring in the Collector. By F. B. Bradfield and G. F. Midwood. Pp. 3+4 plates. 6d. net. (London: H.M. Stationery Office.) [137]
- The Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 33: Method of Infection of Oat Grain with *Ustilago avenae* and the Influence of External Factors on the Incidence of the Disease. By Robert McKay. Pp. 297-307+plate 7. 1s. 6d. Vol. 21 (N.S.), No. 34: The Inhibition of Chemical Reactions. Part 6: The Influence of Ether and Nitrobenzene on the Absorption of Ethylene by Sulphuric Acid. By Dr. Kenneth Claude Bailey and William Edwin Calcutt. Pp. 309-315. 6d. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) [157]
- Harper Adams Agricultural College. Farm Guide, Season 1936, with Notes on the Crop Variety Trials. Pp. 24. Advisory Report No. 11: Report of the Harper Adams College Advisory Department, April 1935-March 1936. Pp. 29. (Newport, Shropshire: Harper Adams Agricultural College.) [157]
- The National Central Library. 20th Annual Report of the Executive Committee, 1935-36. Pp. 60. (London: National Central Library.) [167]
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Catalogues

- Catalogue of Scientific Instruments for measuring Atmospheric Pressure: Altimeters, Levelling Aneroids, Aviation Instruments and Barometers. (Catalogue E.6.) Pp. 24. (Stockholm: System Paulin Aktiebolag; Coventry: C. E. Johansson, Ltd.) [167]
- Africana: Books, Pictures, Manuscripts. (Catalogue No. 602.) Pp. 72+4 plates. (London: Francis Edwards, Ltd.) [167]
- Wild-Barfield and Gibbons-Wild-Barfield Electric Furnaces with "Heavy-Hairpin" Elements. Pp. 12. (London: Wild-Barfield Electric Furnaces, Ltd.) [167]
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