

The importance of 'vitoids' to life is probably due to the part they play in the structure of the consistent phase of the protoplasm. F. ROCH and F. MOLL: New terenid species. F. HERITSCHE: Uppermost lower Devonian and lower mid-Devonian. A. THURNER: Position of the Trias in the mountains around Murau. O. GUGENBERGER: The Cardita layers of Launsdorf in mid-Carinthia and their fauna. H. REBEL: Lepidoptera from the Ægean Islands. F. WERNER *et al.*: Insects and arachnoids of the Ægean Islands. L. FLAMM: Algebraic electro-dynamics. A. SKRABAL: Chemical induction. In continuation of investigations on the kinetics of intermediate reactions, those general systems are considered which can be decomposed into separate systems with different total reactions. M. PESTEMER and L. WILIGUT: Ultra-violet absorption of certain aromatic hydrocarbons (3); constitution of tetrahydrodiphenyl. Substances with double linkings conjugated to the benzene nucleus show a marked increase in the extinction, whereas the extinction of the benzene bands is not increased by substitution with alkylenes or olefines in which the double linking is separated from the benzene nucleus by more than one carbon atom. From this it follows that the tetrahydrodiphenyl obtained by hydrogenation of diphenyl has the constitution of the known 1-phenylhexene-1. E. ABEL and J. PROISL: Mechanism of the lead-chamber reaction (1); reaction between sulphurous and nitrous acids in the dilute system. A. PONGRATZ and G. MARKGRAF: Perylene and its derivatives (44). A. VERDINO and E. SCHADENDORFF: Condensations of ethyl chlorocarboxylchlorate with amines and phenols. W. KOSMATH: Process for measuring the momentary radon content of the open air at spas with radioactive waters. Use is made of the arrangement previously described, which consists essentially of two similar cylindrical air-tight ionisation chambers (measuring chamber and compensation chamber) of about 9 litres capacity, and a Lindemann electrometer with switch-box. T. KORMOS: Revision of the small mammal remains of Hundsheim. A. WAGNER: Daily course of cosmic ultra-radiation. A reply is made to Hess's criticisms of the author's previous communication. A. FINK, P. GROSS and H. STEINER: Conductivity of strong acids in mixtures of heavy and light water. Determinations have been made of the conductivities of hydrochloric and perchloric acids in about 0.01 *N* solutions in mixtures of heavy and light water at 18°C. The value of the equivalent conductivity of hydrochloric acid at infinite dilution falls from 377 to 250 in pure deuterium oxide, the fall being non-linear. K. UNNA and L. WALTERSKIRCHEN: Action of anti-diuretic pituitary hormone on dogs to which water is or is not given.

Forthcoming Events

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

Sunday, July 7

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—Miss M. R. J. Edwards: "The World 50,000,000 years ago, 150,000,000 years ago and 1,000,000,000 years ago".*

INSTITUTE OF CHEMISTRY, July 9-10.—Charter Jubilee Celebrations, to be held in London.

Official Publications Received

Great Britain and Ireland

- Proceedings of the Royal Society of Edinburgh. Vol. 55, Part 1, No. 5: The Mathematical Representation of the Energy Levels of the Secondary Spectrum of Hydrogen, 2. By Dr. Ian Sandeman. Pp. 49-61. 1s. Vol. 55, Part 1, No. 6: The New Crystallography. By Prof. W. L. Bragg. Pp. 62-71. 1s. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)
- The British Science Guild. Gas Defence. By J. Davidson Pratt. Pp. 18. (London: British Science Guild.) 1s.
- True Temperance Scientific Committee. Monograph No. 1: The Problem of the Intoxicated Motor Driver. Pp. 15. (London: True Temperance Scientific Committee.) 2d.
- Joint Board of Research for Mental Disease: City and University of Birmingham. Annual Report, 1934-1935. Pp. 14. (Birmingham.)
- Empire Cotton Growing Corporation. Report of the Fourteenth Annual General Meeting. Pp. 8. (London: Empire Cotton Growing Corporation.)
- Financial and Economic Position of Basutoland: Report of the Commission appointed by the Secretary of State for Dominions Affairs. (Cmd. 4907.) Pp. viii+225. (London: H.M. Stationery Office.) 3s. 6d. net.
- Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1649 (S. 163, 195, 211, 221): Wall Interference and Depth Effect in the R.A.E. Seaplane Tank and Scale Effect Tests on Hulls of Three Sizes. By L. P. Coombes, W. G. A. Perring, D. W. Bottle and L. Johnston. Pp. 30+35 plates. (London: H.M. Stationery Office.) 3s. net.
- British Non-Ferrous Metals Research Association. Supplement to Research Monograph No. 2: Bibliography of Literature on Spectrum Analysis. Compiled by D. M. Smith. Pp. 20. (London: British Non-Ferrous Metals Research Association.) 1s. 6d.
- The Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 24: A Simple Titrimetric Method for the Approximate Determination of Milk Phosphates. By G. T. Pyne. Pp. 223-229. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 6d.
- Royal Botanic Gardens, Kew. Bulletin of Miscellaneous Information, 1934. Pp. viii+456+66+11 plates. (London: H.M. Stationery Office.) 12s. 6d. net.
- London Shellac Research Bureau. Technical Paper No. 2: Identification and Analysis of Lac. By Dr. R. Bhattacharya. Pp. 28. (London: London Shellac Research Bureau.)
- Experimental and Research Station, Nursery and Market Garden Industries' Development Society, Ltd. Twentieth Annual Report, 1934. Pp. 107. (Cheshunt: Experimental and Research Station, Nursery and Market Garden Industries' Development Society, Ltd.)
- Board of Education. Report of the Advisory Council of the Science Museum for the Year 1934. Pp. 52. (London: H.M. Stationery Office.) 1s. net.

Other Countries

- Obras completas y Correspondencia científica de Florentino Ameghino. Vol. 15: La perforación astragaliana y el credo. Edición Oficial ordenada por el Gobierno de la Provincia de Buenos Aires. Dirigida por Alfredo J. Torcelli. Pp. 730+40 plates. (La Plata.)
- U.S. Department of Agriculture. Circular No. 346: Insect Parasites and Predators of Insect Pests. By Curtis P. Clausen. Pp. 22. (Washington, D.C.: Government Printing Office.) 5 cents.
- Chemical Industry's Contribution to the Nation, 1635-1935: a Record of Chemical Accomplishment, with an Index of the Chemicals made in America. A Supplement to *Chemical Industries*, May 1935, published in celebration of the Tercentenary of the founding of the American Chemical Industry by John Winthrop, Jr. Pp. 176. (New York: *Chemical Industries*.) Paper, 1 dollar; cloth, 2 dollars.
- Annuario della Reale Accademia d'Italia. 6: 1933-1934. Pp. 383+4 plates. (Roma: Reale Accademia d'Italia.) 25 lire.
- Imperial College of Tropical Agriculture. Fourth Annual Report on Cacao Research, 1934. Pp. 87+4 plates. (Trinidad: Government Printer.) 5s.
- Report on the Administration of the Government Museum and Public Gardens, Trivandrum, for the Year 1109 M.E. Pp. 13. (Trivandrum: Government Museum.)
- Comptes-rendus des Travaux du Laboratoire Carlsberg. Vol. 20, No. 11: Studies on Enzymatic Histochemistry, 9-13. By D. Glick, Heinz Holter, K. Linderström-Lang and A. Sebørg Ohlsen. Pp. 127+1 plate. (Copenhagen: H. Hagerup.) 6.75 kr.
- Survey of India. Geodetic Report 1934. Pp. xii+143+32 plates. (Dehra Dun: Survey of India.) 3 rupees; 5s. 3d.
- Svenska Linné-Sällskapet's Årsskrift. Årgång 18, 1935. Pp. v+172. (Uppsala: Almqvist and Wiksells Boktryckeri A.-B.)
- Union of South Africa: Department of Mines. Geological Series, Bulletin No. 3: Gypsum in the Union of South Africa. By Dr. B. Wasserstein. Pp. 35. 1s. Geological Series, Bulletin No. 4: The Travertine Deposits near Port St. Johns. By Dr. W. Kuperburger. Pp. 15. 6d. (Pretoria: Government Printer.)
- Straits Settlements. Annual Report of the Director of Gardens for the Year 1934. By R. E. Holtum. Pp. 9. (Singapore: Government Printer.) 50 cents; 1s. 2d.
- Uganda Protectorate. Annual Report of the Geological Survey Department for the Year ended 31st December 1934. Pp. 12. (Entebbe: Government Printer.) 1s.
- Annuaire de l'Académie Royale de Belgique, 1935. Pp. 138+4 plates. (Bruxelles: Académie Royale de Belgique.)
- Observatoire de Zi-ka-wei. Annales de l'Observatoire de Zô-Sê (China). Tome 20: Coopération de l'Observatoire de Zi-ka-wei à la Révision Internationale des Longitudes, Octobre-Novembre 1933. Par R. P. Pierre Lejay, R. P. Maurice Burgaud, R. P. E. de la Villemarqué. Pp. 99+5 plates. (Sung-kiang: Observatoire de Zô-Sê.)