

R. PAUL: A method of preparation of the α -alkyltetrahydropyrans. RAYMOND FURON: Preliminary observations on the existence at Damergou (Niger) of a Cretaceous fauna analogous with that of Djoua (South Algeria). HENRY HUBERT: The circulation of atmospheric air at high altitudes above Madagascar. R. GAUTHERET: Researches on the reduction of silver nitrate by the chloroplasts. According to the author's experiments, the action of light is necessary to start this reaction. R. ECHEVIN: The evolution of the phospholipids of leaves in the course of the autumnal change of colour. H. COLIN and J. CARLES: Chemical affinities and hybridisation in the Iris. G. MALENGON: New observations concerning the etiology of Bayoud (disease of the palm). F. DIÉNERT: Contribution to the study of occult condensations (hydrogenesis). J. LEGENDRE: Longevity in the larvæ of a tree-frequenting mosquito. A. GRUVEL: Concerning some of the causes preventing the penetration of animal species into the Suez canal. Besides mechanical effects due to the direction of the tides at the entrance, the high salinity and drainage from oil refineries prevent the access of animal life to the canal. GABRIEL BIDOU: Protractor with index. An instrument for measuring the amplitude of movements of limbs. RAOUL LECOQ: The possible existence, in proteins, of substances producing lack of food equilibrium. W. KOPACZEWSKI: The gelatinisation of serum by organic acids. Blood serum is rapidly converted into a transparent gel by the addition of lactic acid. Other organic acids can produce the same effect but less rapidly. C. LEVADITI, Mlle. R. SCHËN and A. VAISMAN: The mode of transmission and of propagation of the spirochaetosis produced by *Spirochaeta muris* and *Spirochaeta morsumuris*. J. VERGE and H. LANCE: Swine influenza.

VIENNA

Academy of Sciences, February 1. GEORG KOLLER and KARL PÖPL: A lichen substance containing chlorine. This substance, which contains about 4 per cent of chlorine, appears to be chlorinated atranorin. ALOIS ZINKE and OTTO BENNDORF: Perylene and its derivatives (40). FRANZ HÖLZL and JOSEF KRAKORA: Hexacyanoferro-acid and ethyl alcohol. ODOMAR GUGENBERGER: The Cardita strata of Launsdorf in Central Carinthia and their fauna: (3) Scaphopods and cephalopods. (4) Lamellibranchs.

February 8. GEORG HORNINGER: The granite of Schärding (Upper Austria). This granite resembles in appearance and structure the Mauthausen type, but is distinguished therefrom by the presence of large numbers of dark inclusions, frequently rich in biotite. GEORG BAIERSDORF: Experiments on the limiting proportions of cadmium and palladium detectable spectroscopically in silver. These proportions depend greatly, especially with cadmium, on the mode of excitation. J. D. ALFKEN, H. BISCHOFF, F. MAIDL and ST. ZIMMERMANN: Hymenoptera (3). The occurrence of many species of insects on the islands of the Ægean Archipelago is recorded. *Pheidole teneriffana*, Forel, previously met only in Northern Africa and Western Asia, is found on Milos. ANTON FUCHS and FRANZ KAÜFEL: Land and fresh-water molluscs from Greece and the islands of the Ægean Sea. AUGUST GINZBERGER: The 'houses' of the larvæ of the cicada, *Fidicina chlorogena* Wlk. ARTUR WINKLER: Results of new [geological] studies in the middle and upper Isonzo region.

Forthcoming Events

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

Monday, May 28

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—M. Conrad Kilian: "Explorations Sohariennes" (in French).

Tuesday, May 29

CHADWICK PUBLIC LECTURE, at 5.30—(at the Royal United Service Institution, Whitehall, S.W.1).—Dr. J. B. Orr: "The National Food Supply and Public Health".*

Wednesday, May 30

ROYAL SOCIETY OF ARTS, at 4.30.—His Excellency Mirza Sayyed Hassan Khan Taqizadeh: "Modern Persia".

BRITISH SCIENCE GUILD, at 9.30—(at the Royal Institution). Lord Rutherford: "Helium and other Rare Gases" (Research and Development Lecture).

Thursday, May 31

THE MEN OF THE TREES, at 5.30.—Sir E. Denison Ross: "Trees in Oriental Art and the Desiccation in the East".

ROYAL AERONAUTICAL SOCIETY—(at the Science Museum, South Kensington, S.W.7).—Prof. B. Melvill Jones: Twenty-second Wilbur Wright Memorial Lecture.

IRON AND STEEL INSTITUTE, May 31—June 1.—Annual Meeting to be held at the Institution of Civil Engineers, Great George Street, Westminster, S.W.1.

BOARD OF GREENKEEPING RESEARCH, May 30.—Conference to be held at St. Ives Research Station. Sir John Russell: Chairman.

Prof. R. G. Stapledon: "The Age of Scientific Practice".

Official Publications Received

GREAT BRITAIN AND IRELAND

The Carnegie United Kingdom Trust. Twentieth Annual Report, January–December 1933, approved by the Trustees at their General Meeting held on Friday, March 9th, 1934. Pp. vii+94+9 plates. (Dunfermline: Carnegie United Kingdom Trust.)

Ancient Monuments of Great Britain. List of Monuments prepared by the Commissioners of Works (to 31st December 1933). Pp. 82. (London: H.M. Stationery Office.) 1s. 3d. net.

The National Physical Laboratory. Report for the Year 1933. Pp. iv+264+11 plates. (London: H.M. Stationery Office.) 13s. net.

Stonyhurst College Observatory. Results of Geophysical and Solar Observations, 1933; with Report and Notes of the Director, Rev. J. P. Rowland. Pp. xxiii+42. (Stonyhurst.)

OTHER COUNTRIES

Publications of the Dominion Observatory, Ottawa. Vol. 10: Bibliography of Seismology. No. 20: October, November, December, 1933. By Ernest A. Hodgson. Pp. 339–368. (Ottawa: King's Printer.) 2s. cents.

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 86. Zoological Results of the Dolan West China Expedition of 1931, Part 2: Mollusks. By Henry A. Pilsbry. Pp. 5–28 + 6 plates. Review of the Planorbidae of Florida, with Notes on other Members of the Family. By Henry A. Pilsbry. Pp. 29–66 + plates 7–11. (Philadelphia.)

An Introduction to Social Insurance: Five Lectures delivered under the joint auspices of the University of the Witwatersrand, Johannesburg, and the Transvaal Workers' Educational Association. By Prof. John P. Dalton. Pp. viii+116. (Johannesburg: University of the Witwatersrand Press.) 1s.

Carnegie Institute of Washington. Annual Report of the Director of the Department of Terrestrial Magnetism. (Reprinted from Year Book No. 32, for the Year 1932–33.) Pp. 211–266. (Washington, D.C.: Carnegie Institution.)

Straits Settlements. Annual Report of the Director of Gardens for the Year 1933. By R. E. Holtttm. Pp. 8. (Singapore: Government Printing Office.) 1 dollar.

CATALOGUES

Catalogus van diverse Bibliotheken, verkooping 14–18 Mei 1934. Pp. 98. (Leiden: Burgersdijk and Niermans.)

Zeiss Nachrichten. Heft 6, April. Pp. 40. (Jena and London: Carl Zeiss.)

Watson's Microscope Record. No. 32, May. Pp. 24. (London: W. Watson and Sons, Ltd.)

Galvanometers, Photographic Recording Apparatus, Galvanometer Accessories. (Galvo 33.) Pp. 24. (Delft: P. J. Kipp en Zonen.)