

M. KSLAZKIEWICZ: Zone of the Carpathian klippe in the neighbourhood of Andrychow (2). The klippe of Panska Góra and of Targanice. W. SZAFER: The forest and steppe of the western part of Podolie. A. BURSA: List of the Algæ collected in the waters of the Polish shore of the Baltic. MLLE. M. SKALINSKA: Cytogenetic studies on a tetraploid hybrid of *Aquilegia*. T. SULMA: Remarks on the ecology and distribution of the lichens in the Lublin plateau. MLLE. J. WOLOSZYNSKA: Some remarks on *Attheya decora*, a very rare planckton diatom. MLLE. J. WOLOSZYNSKA: The efflorescence of the Cyanophyceæ in the gulf of Gdansk, and the abundant development of the diatom *Chaetoceros Eibensii*.

LENINGRAD

Academy of Sciences (C.R., 1, No. 4; 1935). N. ROMANOV: The possibility of connecting the Pavlov theory of conditioned reflexes with the theory of probabilities. I. PRIVALOV: Some problems of the theory of subharmonic functions (1). L. KANTOROVITCH: Continuation of linear functionals. K. NIKOLSKIJ: Relation between the field equations of Born-Infeld and Dirac's quantum equation. E. GROSS and M. VUKS: The Raman spectrum of amorphous bodies. L. GROSHEV: The crystal photo-effect in naturally coloured rock salt. K. ANDREJEV: The burning of explosives. S. NAMETKIN and N. MELNIKOV: Contribution to the chemistry of organic compounds of thallium. J. ELLENHORN, A. PROKOFJEVA and H. J. MULLER: Optical resolution of chromosomes of *Drosophila* by means of ultra-violet light. P. TERENTJEV: Contribution to the problem of the real significance of the Pearson type of distribution curves in the case of biological objects. E. WERMEL and M. MICKEVICH: Influence of hormones on the growth of tissue cultures. A. LINDBERG: Influence of caffeine on the activity of the outer layer of the cerebral hemispheres. S. KAGANOVSKAYA and A. SHLYKOVA: Influence of potassium chloride and calcium chloride on the respiratory metabolism of nerves. L. YAKUBOVA: The biogeographic division of the Black Sea on the basis of composition and distribution of its centhos fauna. S. TARANETZ and A. ANDRIASHEV: A new fish of the family Zoarcidae from the littoral fauna of the Commanders' Islands.

VIENNA

Academy of Sciences, March 7. JOVAN JURISIUĆ: Morphology and teratology of the blooms, and propagation, of *Bryophyllum crenatum*, Baker. KARL PRZIBRAM: Fluorescence of fluorite (5). Fluorescence of europium dichloride, and alkali halide-europium phosphors. Pure europium dichloride shows a bright purple fluorescence; the spectrum exhibits the blue fluorite bands and, in the red, a narrow line-like band at 690 m μ and a paler one at 630 m μ , corresponding with that given by fluorites. As previously supposed, the blue bands of fluorite are those of bivalent europium, and the same is probably the case for the red bands. Europium may be rendered capable of fluorescence by incorporation in alkali halides, and then shows, after radium irradiation or heating, the red and blue bands; the latter serve as a sensitive indicator for europium. G. NATTA, M. BACCAREDDA and R. RIGAMONTI: Electron diffraction as an aid to the determination of the structure of organic substances. KURT EHRENBERG: Comparative studies of juvenile skulls and milk-teeth of the cave hyena and its recent relatives.

Forthcoming Events

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

Sunday, May 19

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—M. A. Phillips: "Fossil Reptiles".*

Monday, May 20

ROYAL GEOGRAPHICAL SOCIETY, at 5.—J. Wright: "The Hagavatn Gorge, Iceland".

NATIONAL INSTITUTE OF INDUSTRIAL PSYCHOLOGY, at 5.30.—(London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1).—Prof. Major Greenwood: "Temperaments Physical and Psychological in Modern Science".*

Thursday, May 23

ROYAL SOCIETY, at 4.30.—Prof. J. Barcroft: "Foetal Respiration" (Croonian Lecture).

ST. MARY'S HOSPITAL, LONDON, at 5.—Dr. C. H. Andrews: "The Cancer Problem: Some Fresh Clues".*

CHADWICK PUBLIC LECTURE, at 5.30.—(in Manson House, 26 Portland Place, W.1).—Miss Noel Tidy: "Physical Exercises: Educational and Preventive".*

CHEMICAL SOCIETY, at 8.—Prof. J. E. Coates: Haber Memorial Lecture.

Official Publications Received

GREAT BRITAIN AND IRELAND

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1621 (S. 178): Cine-Photographic Measurements of Speed and Attitude of Southampton Aircraft when Taking Off and Alighting. By A. E. Woodward Nutt and Dr. G. J. Richards. Pp. 13+7 plates. 1s. net. No. 1623 (T. 3488): Effect of Discs on the Air Forces on a Rotating Cylinder. By Dr. A. Thom. Pp. 10+7 plates. 9d. net. No. 1626 (T. 3534): Interference Effect of Surface of Sea on a Flying Boat. By W. L. Cowley and G. A. McMillan. Pp. 15+8 plates. 1s. net. No. 1627 (T. 3586): Tests of Six Aerofoil Sections at Various Reynolds Numbers in the Compressed Air Tunnel. By E. F. Relf, Dr. R. Jones and A. H. Bell. Pp. 28+6 plates. 1s. 6d. net. (London: H.M. Stationery Office.)

OTHER COUNTRIES

Merentutkimuslaitoksen Julkaisu: Havsforskningsinstitutets Skrift. No. 98: The Thalassological Summer Cruise in 1934. By E. Palmén. Pp. 17. No. 99: Vedenkorkeusarvoja 1933 (Vattenståndsuppgifter 1933). By S. E. Stenij. Pp. 52. No. 100: Regular Observations of Temperature and Salinity in the Seas around Finland, July 1933–June 1934. By Gunnar Granquist. Pp. 45. (Helsinki: Merentutkimuslaitos Havsforskningsinstitutet.)

Proceedings of the California Academy of Sciences, Fourth Series. Vol. 21, No. 20: The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 20: The Termites. By S. F. Light. Pp. 253–256+plates 9–10. No. 21: The Templeton Crocker Expedition to Western Polynesian and Melanesian Islands, 1933. No. 21: Some Marine Plants of Southeastern Melanesia. By William Albert Setchell. Pp. 259–270+plates 11–15. (San Francisco: California Academy of Sciences.)

Zoologica. Vol. 19, No. 1: The Distribution of Certain Whales as shown by Logbook Records of American Whaleships. By Charles Haskins Townsend. Pp. 50+4 plates. Vol. 19, No. 2: The Vampire Bat: a Presentation of Undescribed Habits and Review of its History. By Raymond L. Ditmars and Arthur M. Greenhall. Pp. 53–76+plates 5–7. (New York: New York Zoological Society.)

U.S. Department of Commerce: National Bureau of Standards. Research Paper RP 756: A Maxwell Triangle yielding Uniform Chromaticity Scales. By Deane B. Judd. Pp. 41–57. (Washington, D.C.: Government Printing Office.) 5 cents.

Ceylon: Sessional Paper 4,–1935. Report and Accounts of the Coconut Research Scheme for 1934. Pp. 11. (Colombo: Government Record Office.) 15 cents.

CATALOGUES

A Catalogue of Rare and Interesting Books, XVIIth and XVIIIth Centuries and onwards. (No. 474.) Pp. 36. (Cambridge: Bowes and Bowes.)

General Catalogue of Books, with a selection of Atlases and Maps. (No. 585.) Pp. 98. (London: Francis Edwards, Ltd.)

Catalog and Price List of Eastman Organic Chemicals. Twenty-sixth edition. 112. (Rochester, N.Y.: Eastman Kodak Co.)

The Salerno Process and the Extraction of Oil from Oil Shales and Torbanites. Pp. 24. (London: Salerno, Ltd.)