

of *A. blomhoffii ussuriensis*, Emel. E. P. SLASTENENKO: A new blennoid fish, *Blennius knipowitschi*, sp.n., from the Black Sea.

ROME

Royal National Academy of the Lincei, November 19. S. PINCHERLE: Linear operators and factorial coefficients. U. CISOTTI: Differential deductions from the definition of reciprocal vectors: geometrical applications (3). A. BEMPORAD: Stellar currents about R. A. 16^h + 52° Decl. Q. MAJORANA: Experiments on metallic photo-resistance at high frequency. Further experiments confirm the view that light exerts a direct action on the electrical resistance of metallic laminae. This action is not manifested in its entirety with the promptitude characteristic of the classical photoelectric phenomenon, there being a difference in phase between the light and the resistance which is sometimes less than is required by the theory of the propagation of heat. G. ASCOLI: Conditions for the validity of Taylor's abbreviated formula. E. FUBINI GHIRON: A unicity theorem for the equation

$$\frac{d^4u}{dx^4} + \frac{d^2u}{dx^2} + \frac{d^2u}{dt^2} = 0.$$

B. SEGRE: Geometric-functional determination of groups of covariant points, relative to a linear system α^3 of curves on an algebraic surface. NATALIE REIN: Qualitative characteristics in the restricted problem of three bodies in a gravitating medium. A. COLACEVICH: The orbit of the spectroscopic double τ Persei. A new orbit, appreciably different from that calculated from the Lick Observatory observations alone, is now calculated from all the observational data available. F. P. MAZZA and C. ZUMMO: The liver dehydrogenase of the higher fatty acids (2). Addition of a fatty acid, either saturated (stearic) or unsaturated (oleic), increases the consumption of oxygen by the liver by 85 or 82 per cent. The two acids are thus oxidised equally well by the liver, which must, therefore, contain a complex system effecting the oxidation. Of this system, the dehydrogenase recently described by Mazza and Stolfi forms one of the components, namely, that which passes into the aqueous liver extract and is most persistent. G. R. LEVI and M. TABET: X-ray examination of electrolytic silver deposits. With bright electrolytic silver deposits obtained from silver bromide in baths rich in sodium thiosulphate, the form of the particles is, with a high degree of approximation, isodiometric. Such deposits are, therefore, widely different from those of chromium, in which the brilliancy of the deposits is connected with the flatness of the granules. With the silver deposits, the direction of growth is perpendicular to the octahedral face.

Forthcoming Events

Friday, July 6

GEOLOGISTS' ASSOCIATION, at 7.30.—(in the Architectural Theatre, University College, Gower Street, W.C.1).—Sir Arthur Smith Woodward: "Some Recent Studies of Fossil Vertebrate Animals in North America".

MUSEUMS ASSOCIATION, July 2-6. Annual Conference to be held at Bristol.

Dr. Cyril Fox: Presidential Address.

Discussion: "Folk Museums", to be opened by Dr. R. E. M. Wheeler.

Dr. F. J. North: "Maps in the Museum".

Dr. A. E. Trueman: "Science and the Public Museum".

INTERNATIONAL ORNITHOLOGICAL CONGRESS, July 2-7. To be held at Oxford.

FOURTH INTERNATIONAL CONGRESS FOR APPLIED MECHANICS, July 3-9. To be held at Cambridge.

Official Publications Received

GREAT BRITAIN AND IRELAND

Society of Dyers and Colourists. The Jubilee Issue of the Journal of the Society of Dyers and Colourists, 1884-1934. Edited by Dr. F. M. Rowe and E. Clayton. Pp. xii+228+xxxv. (Bradford.) To Junior Members, 5s.; Members, 12s. 6d.; non-Members, 25s.

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1570 (I.C.E. 884, 951): Comparative Engine Tests with Petrol and Butane. By P. H. Stokes and F. G. Code Holland. Pp. 66+28 plates. 4s. net. No. 1578 (Spin. 159 and 175): Modern Spinning Tests of an Interceptor Fighter. By A. V. Stephens and R. H. Francis. Pp. 17+2 plates. 1s. net. No. 1579 (T. 3456): Continuous Rotation Balance for Measurement of Yawing and Rolling Moments in a Spin. By P. H. Allwork. Pp. 6+3 plates. 9d. net. (London: H.M. Stationery Office.)

The National Physical Laboratory: Metrology Department. Tests on Volumetric Glassware. Pp. 34. (Teddington: National Physical Laboratory.) Free.

OTHER COUNTRIES

Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 79: The "Lucerne Flea" *Smygdurus viridis* L. (Collembola) in Australia. By Dr. J. Davidson. Pp. 66+5 plates. (Melbourne: Government Printer.)

Ontario Research Foundation. Report for the Year 1933. Pp. 33. (Toronto: King's Printer.)

Contribution from the Department of Botany, University of Nebraska. No. 82: The Prairie. By J. E. Weaver and P. J. Fitzpatrick. (Reprinted from Ecological Monographs, 4, April.) Pp. 109-295. (Lincoln, Nebr.: University of Nebraska.)

Allahabad University Studies. Vol. 10 (Arts and Science). Pp. iv+375+3 plates. (Allahabad: The University.) 7.8 rupees.

Education, India. Progress of Education in India, 1927-32. By Sir George Anderson. (Tenth Quinquennial Review, Vol. 1.) Pp. iv+273. (Delhi: Manager of Publications.) 2.14 rupees; 5s.

Koninklijk Nederlandsch Meteorologisch Instituut. No. 102: Mededeelingen en Verhandelingen. 35: Oppervlaktetemperatuur in het Noordwestelijk gedeelte van den Atlantischen Oceaan (Surface Temperature in the Northwestern Part of the Atlantic Ocean). By P. M. van Riel. Pp. 92+8 plates. 1.70 fl. No. 106a: Ergebnisse Aerologischer Beobachtungen, 21, 1932. Pp. iv+38+4 plates. 1.50 fl. No. 106b: Ergebnisse Aerologischer Beobachtungen, 21a: Aerologische Beobachtungen und Terminbeobachtungen in Reykjavik während des Internationalen Polarjahres, 1932-1933. Pp. xiii+27+8 plates. 1.50 fl. No. 108: Seismische Registrierungen in De Bilt, 19, 1931. Pp. viii+52. 0.70 fl. ('s Gravenhage: Algemeene Landsdrukkerij.)

Annuaire de l'Académie Royale de Belgique, 1934-C. Pp. 264+3 plates. (Bruxelles: Maurice Lamertin.)

Canada: Department of Mines: Mines Branch. Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories) 1932. (No. 736.) Pp. iv+287+2 plates. (Ottawa: King's Printer.)

Canada: Department of Mines: Geological Survey. Mémoire 171: Geology and Ore Deposits of Copper Mountain, British Columbia. By V. Dolmage. (No. 2344.) Pp. ii+69. 25 cents. Summary Report 1933, Part A. (No. 2350.) Pp. 82. 25 cents. Summary Report 1933, Part C. (No. 2347.) Pp. 44. 25 cents. (Ottawa: King's Printer.)

Mémoires du Musée Royal d'Histoire Naturelle de Belgique. Mémoire No. 50: Bryozoaires oligocènes de la Belgique conservés au Musée Royal d'Histoire Naturelle de Belgique. Par F. Canu et R. S. Bassler. Pp. 26+4 plates. Mémoire No. 51: La faune des grès et schistes de Solières (Siegenien Moyen). Par Eug. Mailleux. Pp. 90+2 plates. Mémoire No. 56: Revision du genre Mallomonas Perty (1851) incl. pseudo-Mallomonas Chodat (1920). Par Dr. W. Conrad. Pp. 82. Mémoire No. 57: Les neuroptéridées des bassins Houilliers Belges (Première partie). Par F. Stockmans. Pp. 62+16 plates. Mémoire No. 58: The Freelifving Marine Nemas of the Belgian Coast, 2, with General Remarks on the Structure and the System of Nemas. By L. A. De Coninck and J. H. Schuurmans Stekhoven, Jr. Pp. 163. (Bruxelles.)

University of California Publications in American Archaeology and Ethnology. Vol. 35, Nos. 1 and 2: Yurok Marriages, by T. T. Waterman and A. L. Kroeber; Yurok and neighbouring Kin Term Systems, by A. L. Kroeber. Pp. 22. (Berkeley, Calif.: University of California Press; London: Cambridge University Press.) 25 cents.

CATALOGUES

The Beck Projectograph. Pp. 12. (London: R. and J. Beck, Ltd.) New and Secondhand Books on History throughout the Ages. (Catalogue No. 572.) Pp. 80. (London: Francis Edwards, Ltd.)

A Dangerous Temperature. Pp. 4. Keep it Running. Pp. 4. (London: Sternol, Ltd.)

Scientific Apparatus: Laboratory Equipment and Apparatus for Mensuration, Mechanics, Sound, Heat, Light, Electricity, Microscopy, Technical Testing, Chemistry, New and Improved Apparatus in the Microid Physical Series, Griffex A.R. Chemicals, Technical Books. (Catalogue No. 50L.) Pp. viii+954. (London: Griffin and Tatlock, Ltd.)