

concentration of ozone increases with the height above the ground. J. ROTHÉ: The magnetism of the basalts of Alsace. GEORGES DUBOIS and MME. CAMILLE DUBOIS: The Flandrian fossil forest modifications of the Paris region. Results of a pollen analysis of the peat bogs of Bresles and Sacy-le-Grand (Oise). GEORGES DEFLANDRE: A siliceous fossil Foraminifera from the Miocene diatomites of California, *Silicotextulina diatomitarum*. LÉON MORET: The corroding Algæ of the Cyanophyceæ group. New observations made at the Lac de Marinnet, in the Chambeyron (Basses-Alpes) massif. GEORGES UNGAR: The mechanism of production of the sympathetic effect. The phenomena of liberation. MAURICE PIETTRE: The trophic activity of the mammary cell in a period of functional repose. Besides the functional activity, the elaboration of the milk components, the mammary cell possesses a more general activity called by the author trophic activity. M. and MME. GILBERT S. ADAIR and M. and MME. JEAN ROCHE: Researches on the osmotic pressure and the molecular weight of the hæmocyanines. F. TRENSZ: The use of choroidian melanine, made soluble in distilled water, for the serodiagnosis of paludism. A. BESREDKA and L. GROSS: The nature of the pathogenic principle contained in neoplastic tumours.

GENEVA

Society of Physics and Natural History, February 15. J. WEIGLE: A new recording microphotometer. The author describes a new recording microphotometer, based on the amplification of the photoelectric current. This allows the use of a galvanometer of reduced sensibility and of relatively short period. J. WEIGLE: The deformation of cubic crystalline lattices. P. ROSSIER: The width of the composite line $H_c + H$ in the spectrograms of B0 and F0 stars. This line, observed with a small spectrograph with objective prism, has the same width for the two spectral types cited, provided that the time of exposure corresponds closely to the magnitude of the star considered. P. ROSSIER: The relative widths of the lines of hydrogen and of calcium in the spectrograms of A0 and F0 stars. Although narrower on the spectrograms of F0 stars than on those of the A0 stars, the ratios of the widths of the hydrogen lines are the same for the two spectral types. The width of the K line of calcium varies widely. E. FROMMEL and D. ZIMMET: Volume of the spleen and pitressine.

Forthcoming Events

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

Monday, June 11

VICTORIA INSTITUTE, at 4.30.—Sir Ambrose Fleming: "Truth" (Presidential Address).
INSTITUTE OF PHYSICS (MANCHESTER SECTION), at 5.—(in the Physics Department, The University).—J. D. Bernal: "Heavy Hydrogen".*
ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Sir John Cadman: "Middle-East Geography in Relation to Petroleum".

Tuesday, June 12

BRITISH SCIENCE GUILD, at 4.—(in the Lecture Theatre of the Royal Society of Arts).—Annual General Meeting. Prof. E. N. da C. Andrade: "Friction".

Wednesday, June 13

INSTITUTE OF PHYSICS (MANCHESTER SECTION), at 5.—(in the Physics Department, The University).—Prof. E. N. da C. Andrade: "Viscosity".*

Thursday, June 14

UNIVERSITY COLLEGE, LONDON, at 3.—Sir Flinders Petrie: "Recent Discoveries at Gaza, Palestine" (repeated on June 16 at 3, and June 19 at 5.30).*
ROYAL SOCIETY, at 4.30.—Discussion on "Methods of measuring and Factors determining the Speed of Chemical Reaction", to be opened by Prof. A. V. Hill.
CHADWICK PUBLIC LECTURE, at 5.—(at Chelsea Physic Garden, Swan Walk, Chelsea).—E. Augustus Bowles: "Simples and Herbals".*
UNIVERSITY COLLEGE, LONDON, at 5.30.—Prof. Ernest Cassirer: "The Origin of the Modern Concept of Nature in the Philosophical and Scientific Thought of the Renaissance" (succeeding lecture on June 19).*

Official Publications Received

GREAT BRITAIN AND IRELAND

Forestry Commission. Fourteenth Annual Report of the Forestry Commissioners for the Year ending September 30th, 1933. Pp. 41. (London: H.M. Stationery Office.) 9d. net.
Kenya Land Commission Report: Summary of Conclusions reached by His Majesty's Government. (Cmd. 4580.) Pp. 8. (London: H.M. Stationery Office.) 2d. net.
Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1566 (T. 3434): Wind Tunnel Interference on Wings, Bodies and Airscrews. By H. Glauert. Pp. iii+75+22 plates. (London: H.M. Stationery Office.) 4s. 6d. net.
Armstrong College, Newcastle upon Tyne: Standing Committee for Research. Report, Session 1932-1933. Pp. 49. (Newcastle upon Tyne).
Papers from the Geological Department, Glasgow University. Vol. 15 (Octavo Papers of 1931-1934). (Glasgow University Publications, 31.) Pp. viii+19 papers. Vol. 16 (Quarto Papers of 1931-1933). (Glasgow University Publications, 32.) Pp. iv+6 papers. (Glasgow: Jackson, Wylie and Co.)

OTHER COUNTRIES

Smithsonian Miscellaneous Collections. Vol. 89, No. 12: Tribal Migrations East of the Mississippi. By David I. Bushnell, Jr. (Publication 3237.) Pp. 9+4 maps. Vol. 91, No. 8: Reports on the Collections obtained by the First Johnson-Smithsonian Deep-Sea Expedition to the Puerto Rican Deep—New Polychaetous Annelids. By Prof. Aaron L. Treadwell. (Publication 3236.) Pp. 9+2 plates. (Washington, D.C.: Smithsonian Institution.)
University of California Publications in American Archaeology and Ethnology. Vol. 33, No. 5: Two Paiute Autobiographies. By Julian H. Steward. Pp. 423-438. (Berkeley, Calif.: University of California Press; London: Cambridge University Press.)
Publications of the Observatory of the University of Michigan. Vol. 5, No. 13: The Masses and Luminosities of Spectroscopic Binaries determined by the Mass-Luminosity Relation. By R. M. Petrie. Pp. 169-176. Vol. 5, No. 14: Visual Light Curves of Beta Lyrae. By Ralph H. Curtiss. Pp. 177-187. Vol. 5, No. 15: The Orbit of Comer 1933f (Whipple), Second Paper. By Allan D. Maxwell. Pp. 189-191. (Ann Arbor, Mich.)
Education, India. Progress of Education in India, 1927-32. By Sir George Anderson. (Tenth Quinquennial Review, Vol. 1.) Pp. ix+273. (Delhi: Manager of Publications.)
The Imperial College of Tropical Agriculture. Third Annual Report on Cacao Research, 1933. Pp. 71+3 plates. (Trinidad.) 5s.
Union of South Africa. Report of the South African Museum for the Year ended 31st December 1933. Pp. 17. (Pretoria: Government Printer.)
Publications of the South African Institute for Medical Research. No. 31: Immunity in Rous Fowl Sarcoma and its Bearing on the Problem of the Nature of Normal and Cancerous Growth. By Dr. M. J. A. Des Ligneris. Pp. 193. No. 32: Entomological Studies—Observations on *Anopheles funestus* and *Anopheles gambiae* in the Transvaal. By Dr. Botha De Meillon. Pp. 195-248. (Johannesburg.)
Bernice P. Bishop Museum. Bulletin 108: Jungle Fowls from Pacific Islands. By Stanley C. Ball. Pp. 121+7 plates. (Honolulu.)
Bulletin of Yale University, Supplement. Report of the Director of the Peabody Museum. Pp. 29. (New Haven, Conn.)
Annals of the Observatory of Lund. Nr. 4: Cosmic Ultra-radiation in Northern Sweden. By Axel Corlin. Pp. A113+B80. (Lund.)

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