

W. HELLER and E. VASSY: Co-existence of reversible and irreversible aggregates in thixotropic gels with hydrophobe particles.

P. SÜE: Chlorination of niobium pentoxide and tetraoxide.

J.-A. GAUTIER: Action of bromine on some *N*-substituted α -pyridones.

G. DARZENS: Halogen-methylation of aromatic derivatives in homogeneous acetic medium.

R. ABRARD and E. A. DE LA RÛE: Marine quaternary beds of the north-east coast of French Somaliland.

E. GAGNEBIN: Discovery of a fragment of the Simme nappe in the Pre-Alps of Chablais.

L. ÉBLÉ and G. GIBault: Values of the magnetic elements at the observatory of Chambon-la-Forêt (Loiret) on January 1, 1939.

R. BERNARD: Origin of the coloration of the aurora borealis of type *B*.

R. ÉCHEVIN and A. BRUNEL: Utilization of glyoxalic ureides by the soy-bean.

P. BERGAL: Contribution to the study of the lodicules of barley (*Hordeum sativum* Jess.).

P.-P. GRASSÉ: Relations of a termitophile coleopterous larva (*Troctontus appendiculatus* Silv.) with its hosts. There appears to be mutual attraction of an olfactory and gustatory nature.

G. BROOKS and R. PAULAIS: Distribution and localization of the carotinoids, flavins and *l*-ascorbic acid in lamellibranch molluscs: oysters and green and white Portuguese oysters.

Mlle. M. HAMON: Characterization of some α -amino acids entering into the constitution of the spermatophores of the Cephalopoda.

Mlle. G. MARTRET: Study of the variations of molecular concentration of the urine of the freshwater stenohaline teleosts, as a function of the variations of salinity of the exterior medium.

MME. A. DRILHON and R.-G. BUSNEL: Presence and content of flavin in the Malpighian tubes of insects.

Mlle. J. PORTIER and MME. A. DRILHON: Biochemical study of the internal medium of *Eriocheir sinensis* and its adaptation to changes of salinity.

H. BULLIARD, I. GRUNDLAND and A. MOUSSA: Activity of exchange of phosphorus and radio-phosphorus in the phosphatids of cytoplasm. Radio-phosphorus accumulates in tissues where active chemical changes are taking place and in cellular elements rich in phosphatids.

I. BERTRAND and R. LECOQ: Peripheral nervous lesions observed in the course of polyneuritis in the pigeon induced by simple addition of lactic acid to diets rich in glucides, proteins or lipids, and containing high proportions of vitamin B.

Vienna

Academy of Sciences, January 26.

WILHELMINE POLACZEK: X-ray absorption spectra of the *M* series of gold, thallium, lead, bismuth, thorium and uranium. The *M* absorption edges are found to have a width of between 8 and 36 volts. The observed wave-lengths are appreciably smaller than those calculated from the relation $L_{III} - L_{III} M_V$.

K. GRAFF: Photometric curve of the phase of the planet Mercury.

Forthcoming Events

[Meeting marked with an asterisk is open to the public.]

Wednesday, April 19

ROYAL MICROSCOPICAL SOCIETY, at 5.30.—Prof. L. C. Martin: "The Electron Microscope from the Optical Standpoint".

ROYAL METEOROLOGICAL SOCIETY, at 7.30.—Prof. E. J. Salisbury, F.R.S.: "Ecological Aspects of Meteorology" (Symons Memorial Lecture).

Thursday, April 20

LONDON MATHEMATICAL SOCIETY, at 5.—Discussion on "Mathematical Logic".

Friday, April 21

ROYAL INSTITUTION, at 9.—A. E. Dunstan: "The Utilization of Petroleum Gases".

Saturday, April 22

SOCIETY OF CHEMICAL INDUSTRY (FOOD GROUP) (at the London School of Hygiene and Tropical Medicine), at 10.30.—Conference on "Vitamin E" to be opened by W. A. S. Calder.*

APIS CLUB (at St. Bride's Institute), at 2.30—Annual General Meeting.

Dr. M. Hertz: "Discrimination of Patterns and Colour Vision in Bees".

SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group), April 20–21. Conference on "Safety in Chemical Works" to be held at the Royal School of Mines.

Appointments Vacant

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:

ASSISTANT ENGINEERING MASTER in the Abertillery Mining and Technical Institute—The Director of Education, Higher Education Department, County Hall, Newport, Mon. (April 17).

SCIENTIFIC OFFICER (air defence) in the Directorate of Scientific Research, Air Ministry—The Under-Secretary of State, Air Ministry, S.2.D/B.8019, Berkeley Square House, London, W.1 (April 22. Quote B.191).

TECHNICAL OFFICER in the Meteorological Office—The Under-Secretary of State (S.2.B. (Met.)), Air Ministry, Aadastral House, Kingsway, London, W.C.2 (April 25).

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

University of London Institute of Education. Studies and Reports, No. 7: Some Aspects of Indian Education Past and Present. Being three Joseph Payne Lectures for 1935–6 delivered in the Institute (with Supplementary Memoranda) by Sir Philip Hartog. (Published for the Institute of Education.) Pp. xv+110. (London: Oxford University Press.) [213]

Other Countries

Advisory Committee on Education. Staff Study No. 6: The Extent of Equalization secured through State School Funds. By Newton Edwards and Herman G. Richey. Pp. viii+55. 15 cents. Staff Study No. 14: Educational Activities of the Works Progress Administration. By Doak S. Campbell, Frederick H. Bair and Oswald L. Harvey. Pp. xiv+185. 25 cents. (Washington, D.C.: Government Printing Office.) [203]

U.S. Department of the Interior: Office of Education. Pamphlet No. 85: Salary and Education of Rural School Personnel; Status and Trends. By W. H. Gaumnitz. Pp. 20. (Washington, D.C.: Government Printing Office.) 5 cents. [203]

Fifty-fifth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1937–1938. Pp. 8. (Washington, D.C.: Government Printing Office.) [203]

Survey of India. Professional Paper No. 29: Magnetic Anomalies. By B. L. Gulatee. Pp. vi+12+11 plates. (Dehra Dun: Survey of India.) 1.8 rupees; 2s. 6d. [203]

Bulletins of the Zoological Society of San Diego. No. 14: Studies of Reptile Life in the Arid Southwest. By L. M. Klauber. Pp. 100. (San Diego, Calif.: Zoological Society of San Diego.) [203]

Unione Astronomica Internazionale. Immagini spettroscopiche del bordo solare osservate a Catania, Madrid e Zurigo negli anni 1933 e 1934. Pp. ii+24 plates. (Arcetri: R. Osservatorio Astrofisico.) [203]