

Forests of the *Fageto-abietetum* type are richest in number of species, while small numbers are found in beech plantations.

J. ST. MIKUSKI: Ephemeropteran fauna of the torrents giving rise to the Vistula. The two streams show hydrographic and faunistic differences; judged by the Ephemeroptera found, they are middle altitude rather than high mountain streams.

Moscow

Academy of Sciences (*C.R.*, 22, No. 1; 1939).

S. BERNSTEIN: Determination of a series of given functions from the values of the extremes and of the successive remainders.

G. ŠILOV: Ideals and sub-rings of the ring of continuous functions.

I. GELFAND and A. KOLMOGOROFF: Rings of continuous functions on topological spaces.

W. S. IGNATOVSKIJ: Contributions to the grid theory (2, 3).

I. L. ZELMANOV: A new method of helium liquefaction by means of the Joule-Thomson effect.

N. BUYNOV, M. JURAVLEVA, A. KOMAR and G. ČUFAROV: Iron crystal orientation in magnetite reduced by hydrogen.

V. L. GRANOVSKIY: The time of the restoration of controllability in a gas discharge.

G. B. RAWITSCH: The dependence of viscosity of fatty acids with high molecular weight on the temperature and the degree of their saturation.

V. KASSATOCHKIN: Electronic defraction in the surface layers of metal alloys.

F. P. SAVARENSKY and N. V. KOLOMENSKY: Friction and cohesion of coherent rocks.

G. G. LAEMMLEIN: The orientation of quartz crystals in veins of the Alpine type in the sub-arctic Urals.

A. A. YATSENKO-KHMELEVSKIY: An anatomical study of the propagation of fungus hyphae in a dead forest of *Picea orientalis* Carr.

A. SERGEYEV: The body temperatures of reptiles in natural surroundings.

A. BELOGUROV: Variation in structure of the alimentary canal in sturgeons, in connexion with nutrition.

C.R., 22, No. 2: 1939.

I. M. VINOGRADOV: A new improvement of the method of estimating trigonometrical sums with primes.

B. GNEDENKO: The limiting theorems for sums of independent variables.

S. V. KRAVKOV: Critical frequency of flicker and indirect stimuli. Some correlations of different receptors in our colour vision.

N. T. FEDOROV: Some regularities underlying the effect of indirect stimuli (*Nebenreiz*) upon the discrimination sensitivity of the eye.

N. T. FEDOROV and V. I. FEDOROVA: The number of light-sensitive substances in the retina.

V. I. NIKOLAEV and A. G. KOGAN: A new method of production of potassium nitrate by exchange decomposition of potassium chloride with nitric acid at low nitric acid concentrations and temperature.

A. A. TRAPEZNIKOV: Mechanical properties of 'two-dimensional' caoutchouc. The micellar structure of caoutchouc.

D. McCONNEL: Isomorphic substitutions in apatite.

N. V. BELOV: Some isomorphic substitutions in the apatite group.

I. A. KOROBKOV: The age of the Sakaraul horizon.

Forthcoming Events

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

Monday, June 26

ROYAL GEOGRAPHICAL SOCIETY, at 3.—Annual General Meeting.

Tuesday, June 27

BIRKBECK COLLEGE, at 6.—Sir Percy Nunn: "Education and Reality" (Haldane Memorial Lecture).*

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.45.—Annual Meeting. H. J. Braunholtz: "Archaeology in Peru: Recent Progress" (Presidential Address).

Appointments Vacant

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

LECTURER IN CHEMISTRY AND PHYSICS in the Borough Road College, Isleworth—The Principal (June 28).

LECTURER IN MECHANICAL AND CIVIL ENGINEERING in the Sunderland Technical College—The Director of Education, Education Offices, 15, John Street, Sunderland (June 28).

ENGINEERING ASSISTANT (Junior Grade) to the Conservators of the River Thames—The Secretary, Thames Conservancy, 2-3 Norfolk Street, Strand, W.C.2 (June 29).

SCIENTIFIC OFFICERS (Physics, Chemistry and Mechanical Science), JUNIOR SCIENTIFIC OFFICERS (mathematics and physics), ASSISTANTS (grade II, mathematics, physics and chemistry), ASSISTANTS (grade III, mathematics and arc welding) in the Research Department, Royal Arsenal, Woolwich, S.E.18—The Under-Secretary of State (C.5), War Office, London, S.W.1 (June 30. Quote Appts. 147B).

LECTURER IN PRODUCTION ENGINEERING in the County Technical College, Wednesbury—The Director of Education, County Education Offices, Stafford (July 3).

ASSISTANT LECTURER IN MATHEMATICS in University College, London—The Secretary (July 3).

PRINCIPAL AGRICULTURAL OFFICER in the Federated Shan States, Burma—The High Commissioner for India, General Department, India House, Aldwych, London, W.C.2 (August 14. Quote 5/153B).

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1840 (2204, 2598): The Lateral Stability of Highly Loaded Aeroplanes. By L. W. Bryant and Dr. A. G. Pugsley. Pp. 11. 2s. net. No. 1845 (3505): The Protection of Magnesium Alloy Sheet against Corrosion by the use of Enamels containing High Purity Chromates. By L. F. Le Brocq. Pp. 24. 3s. 6d. net. (London: H.M. Stationery Office.) [16]

Scientific Proceedings of the Royal Dublin Society. Vol. 22 (N.S.), No. 10: An Apparent Connection between the Presence of Colloids and the Osmotic Pressures of Conifer Leaves. By O. Roberts and S. A. Styles. Pp. 119-126. 6d. Vol. 22 (N.S.), No. 11: Embryogeny in *Saxifraga* and its relation to other Podocarps. By J. Doyle and W. J. Looby. Pp. 127-148. 2s. Vol. 22 (N.S.), No. 12: Studies in Peat. Part 5: Extraction of Peat with Azeotropic-like Petroleum mixed Solvents. By J. Reilly, D. F. Kelly and J. Duffy. Pp. 149-156. 6d. Vol. 22 (N.S.), No. 13: Studies on the Ultimate Composition of Biological Material. Part 3: Glandular Tissues. By Robert Press and William Robert Fearon. Pp. 157-160. 6d. Vol. 22 (N.S.), No. 14: Report of the Irish Radium Committee for the Year 1938, including Reports from Oswald J. Murphy and Oliver Chance. Pp. 161-174. 1s. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) [26]

Other Countries

Division of Fish and Game of California: Bureau of Marine Fisheries. Fish Bulletin No. 53: Measures of Abundance of the Sardine, *Sardinops caerulea*, in California Waters. By Frances N. Clark. Pp. 45. (Terminal Island, Calif.: California State Fisheries Laboratory.) [315]

Egyptian University: Faculty of Science. Report for the Session 1934-1935. Pp. iii+122. Report for the Session 1935-1936. Pp. iii+94. Report for the Session 1936-1937. Pp. 112. Report for the Session 1937-1938. Pp. 100. (Cairo: Government Press.) [16]

Ceylon. Part 4: Education, Science and Art (G.). Administration Report of the Marine Biologist for the Year 1938. By A. H. Malpas. Pp. G11. (Colombo: Government Record Office.) 10 cents. [16]

Publications of the Lick Observatory. Vol. 14, Part 3: The Spectrum of Nova Aquilae (1918). By Arthur B. Wyse. Pp. 89-216+ plates 7-10. (Mt. Hamilton, Calif.: Lick Observatory.) [26]