

K. ALEXEEVA : Long-period radioactivity in silver, caesium and indium activated by slow neutron bombardment.

S. M. KATCHENKOV : Absorption spectra of praseodymium and neodymium in heavy water.

S. L. MANDELSTAM : The intensity of spectral rays in an arc with carbon electrodes.

W. STOCKMANN : Some characteristic moments of the horizontal mixing of water masses of the Caspian Sea in the system $S = f(t)$.

N. N. MALOV : Contribution to the theory of the electrical conductivity of objects liable to polarization.

P. KHOMIKOVSKY and P. REHBINDER : Dependence of stabilization and wetting of particles suspended in oil medium on the quantity of the surface-active substance adsorbed.

I. I. ČERNIAJEV : (1) Cleve's triamine. (2) The *cis*-tetramine of quadrivalent platinum.

N. N. KURNAKOV, I. I. KORNILOV and G. B. BOKY : 'Ruby' slag from the thermite process for the production of metallic chromium.

A. M. NEGRUL : Evolution of cultivated varieties of grapes.

I. A. KOSTIUČENKO : Winter hardiness of plants as influenced by vernalization of ripening seed-grains.

G. V. ZABLUDA : Action of soil drought on the formation of generative organs in spring wheats.

I. SUKHORUKOV, E. KLING and K. OVČAROV : The effect of *Phytophthora infestans* de Bary on the ferments of affected plants.

V. T. EREMENKO : Intermediate period of development and anatomical-morphological characters of the light stage in wheat.

M. CH. ČAJLACHJAN : Motion of blossom hormone in girdled and grafted plants.

V. G. ALEXANDROV and O. G. ALEXANDROVA : Full and meagre grain in soft wheat.

Tokyo

Imperial Academy (*Proc.*, 14, No. 4, April 1938).

SAEMON TARŌ NAKAMURA and YOSIO KATŌ : Variations in the magnetic dip in Central Japan.

HANTARŌ NAGAOKA and TADAŌ MISHIMA : Some chemical actions of hydrogen excited by electrodeless discharge. The action of excited hydrogen on various chemical compounds is described.

EIJI OCHIAI and TOSIHARU NAKAMURA : On our knowledge of the so-called 2-nitrosomorphins.

GAKURO IMAMURA and MASAO KOTANI : Crustal blocks.

YOSITIRO UMEYA : Developmental characteristics of the silkworm embryo.

KIN-ICHIRO HANAOKA : Sex modification in a semi-differentiated salamander, *Hynobius retardus*, resulting from implantation of testis and hypophysis.

TOKI-O YAMAMOTO : Contractile movement of the egg of a bony fish, *Salanx microdon*. Contraction is shown to occur on the yolk sphere, while the blastoderm itself remains still. The protoplasmic layer surrounding the yolk during early stages of development is considered responsible for this contractile movement. It is suggested that the movement functions as a stirrer in order to facilitate the absorption of yolk.

KIYOSHI TAKEWAKI : (1) Effect of testis graft on the adrenal of the mouse. (2) Note on a subcutaneously transplanted mouse testis with spermatogenetic activity.

Forthcoming Events

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

INSTITUTE OF PHYSICS (MANCHESTER AND DISTRICT BRANCH), July 4-5.—Conference on Elasticity and Plasticity to be held in the University of Manchester.*

MUSEUMS ASSOCIATION, July 4-9.—Annual Conference to be held in Belfast.

Appointments Vacant

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

VEGETABLE SPECIALIST in the Punjab Agricultural Service, Class I—The High Commissioner for India, General Department, India House, Aldwych, London, W.C.2 (July 7).

LECTURER IN PRODUCTION ENGINEERING in the Dudley and Staffordshire Technical College, The Broadway, Dudley—The Principal (July 7).

JUNIOR LECTURER IN ELECTRICAL ENGINEERING in the Military College of Science, Woolwich, S.E.18—The Commandant (July 8).

LECTURER IN MECHANICAL ENGINEERING in the Central Technical College, Suffolk Street, Birmingham, 1—The Chief Education Officer (July 9).

LECTURER IN MECHANICAL ENGINEERING in the North Staffordshire Technical College—The Clerk to the Governors, Education Offices, Town Hall, Hanley, Stoke-on-Trent (July 9).

LECTURER IN CHEMISTRY and LECTURER IN PHARMACEUTICAL CHEMISTRY in University College, Nottingham—The Registrar (July 11).

ASSISTANT LECTURER AND DEMONSTRATOR IN CHEMISTRY in King's College for Household and Social Science, Campden Hill Road, London, W.8—The Secretary (July 11).

ASSISTANT LECTURER IN THE DEPARTMENT OF BUILDING, Huddersfield Technical College—The Principal (June 13).

HEAD OF THE BIOLOGY DEPARTMENT, Huddersfield Technical College—The Principal (July 13).

JUNIOR LECTURER IN SCIENCE in the Royal Military Academy, Woolwich, S.E.18—The Under-Secretary of State (C.5), The War Office, London, S.W.1 (July 16).

UNIVERSITY LECTURER IN MATHEMATICS in the University of Cambridge—Dr. H. M. Taylor, Clare College, Cambridge (July 16).

PLUMMER PROFESSOR OF MATHEMATICAL PHYSICS in the University of Cambridge—The Vice-Chancellor (July 20).

PROFESSOR OF PHYSIOLOGY in the University of Melbourne—The Secretary, Universities Bureau of the British Empire, 88a Gower Street, London, W.C.1.

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Report by His Majesty's Government in the United Kingdom of Great Britain and Northern Ireland to the Council of the League of Nations on the Administration of the Tanganyika Territory for the Year 1937. (Colonial No. 148.) Pp. iv+251+1 map. (London: H.M. Stationery Office.) 4s. net. [176]

The Insurance Man and his Trade. By Harry Henry. ("Fact", No. 15.) Pp. 92. (London: "Fact".) 6d. [176]

Education in Nazi Germany. By Two English Investigators. Pp. 72. (London: Kulturkampf Association.) 1s. [176]

Other Countries

Proceedings of the Academy of Natural Sciences of Philadelphia. Vol. 90: The Occurrence of Flints and Extinct Animals in Pluvial Deposits near Clovis, New Mexico. Part 5: Diatom Evidence from the Mammoth Pit. By Ruth Patrick. Pp. 15-24. (Philadelphia, Pa.: Academy of Natural Sciences of Philadelphia.) [176]

Anales del Museo Argentino de Ciencias Naturales. Tomo 39: Antropología, Etnología y Arqueología. Publicación No. 80: Investigaciones arqueológicas en Sorcuayo, Puna de Jujuy. Por Eduardo Casanova. Pp. 423-456+6 plates. (Buenos Aires: Museo Argentino de Ciencias Naturales.) [176]

Memoirs of the Kyancutta Museum. No. 5: An Outline of "Biosophy" (Part 1). By R. Bedford. Pp. 39-65+1 plate. (Kyancutta, S. Australia: Kyancutta Museum.) 1s. 6d. [176]

Indian Forest Records (New Series.) Vol. 3, No. 9: New Indian Curculionidae (Col.). By Sir Guy A. K. Marshall. Pp. ii+159-184+1 plate. 10 annas; 1s. Vol. 4, No. 1: A Guide to the Insects of Dalbergia Sissoo for Forest Officers. Pp. ii+42. 1 rupee; 1s. 9d. (Delhi: Manager of Publications.) [176]

Report of the Botanical Survey of India for 1936-37. Pp. 11. (Calcutta: Government of India Press.) [176]

Records of the Botanical Survey of India. Vol. 12, No. 2: (1) The Flora of the Lushai Hills, by Cecil E. C. Fischer; (2) Some New North-west Himalayan Mosses, by H. N. Dixon and R. L. Badhwar. Pp. ii+75-179. (Delhi: Manager of Publications.) 1.6 rupees; 2s. 3d. [176]