

L. A. KOSSOY : Intergrowth of quartz and feldspars from the pegmatite veins of Karelia.

R. A. MASING : Genetical and cytological analysis of lethals in *Drosophila* occurring in Nature.

L. N. KOKHANOVSKAYA : Physiological sterility in the cultivated Columbian potato, *Solanum rybinii* Juz. and Buk.

V. I. PATRUSHEV : Inheritance of biochemical characters in animals in connexion with growth. (3) On some indices of the blood composition of the hybrids between Bactrian camels and dromedaries in connexion with heterosis. (4) Differences in the composition of blood in horses, asses and mules.

G. S. ŽUKOVA : Influence of light upon the development of pollen of barley.

N. N. MEDVEDEV : Contributory effect of heat with irradiation in the production of mutations.

M. CH. CHAJLACHJAN and L. P. ŽDANOVA : Role of growth hormones in form-building processes. (3) Effect of hetero-auxin treatment of seeds upon growth and development of plants.

S. M. MASHTAKOV : Qualitative changes of rubber in the kok-saghyz roots in the course of plant development.

A. A. NICHIPOROVICH and V. N. BOUROVAYA : Rubber accumulation in kok-saghyz as a function of its biological process of maturation.

CH. S. KOSHTOYANZ : Mechanism of formation of the chemical mediators of nerve impulses.

Z. G. ŠCEDRINA : The distribution of Foraminifera in the Kara Sea.

J. BALL : Notes on the ecology of *Diplomesodon pulchellum pulchellum* Licht. in the Volga-Ural sandy regions.

N. L. GERBILSKY : (1) Effect of cranial injections of hypophysis suspensions in teleosteans. (2) The influence of the gonadotropic agent of the hypophysis on the spawning in *Acipenser stellatus*.

Tokyo

Imperial Academy (*Proc.*, 14, No. 6, June 1938).

TATSUO KAWATA : A theorem concerning the non-vanishing of functions.

TOSIO KITAGAWA : Characterizations of the fundamental operations by means of the operational equations.

KÔSAKU YOSIDA : On the fundamental theorem of the tensor calculus.

SHIGEHICO SUGASAWA and KIICHIRO KAKEMI : Studies on the synthesis of dibenzopyridocoline derivatives (1). A synthesis of 5, 18, 9, 14-(2, 3, 11, 12-tetramethoxy)-dibenzo-6, 7, 15, 16-tetrahydro-pyridocoline.

HISASHI KUNO : (1) Hypersthene from Odawaramati, Japan. (2) The occurrence of a primary cummingtonitic hornblende in some dacites from Japan.

ŠYOZI IZIRI : On the embryonic tooth $M_2 (= m'_2)$ and the os sacculi dentis of *Desmostylus japonicus*.

MASUZO UÉNO : Stratification of *Noctiluca* in a brackish water lake of Hokkaido, Japan.

YOSHITARÔ KATÔ : The relation of the anterior pituitary of the fowl to the production of the gonad-stimulating hormone. Castration causes an increase in the potency of the pituitary body. The basophilic cells are responsible for the production of the gonad-stimulating hormone.

Appointments Vacant

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

PRINCIPAL of the Sunderland Technical College—The Director of Education, Education Offices, 15 John Street, Sunderland (September 12).

JUNIOR SCIENTIFIC OFFICERS at the Road Research Laboratory, Harmondsworth, Middlesex—The Establishment Officer, Department of Scientific and Industrial Research, 16 Old Queen Street, Westminster, S.W.1 (September 13. Quote ref. J./38/10).

ASSISTANT (Grade III) in the External Ballistics Department of the Ordnance Committee, Woolwich—The Secretary, Ordnance Committee, Royal Arsenal, Woolwich, S.E.18 (September 16).

SCIENTIFIC OFFICERS in the Air Ministry Scientific Research Pool (radio communication problems)—The Chief Superintendent, Royal Aircraft Establishment, South Farnborough, Hants (September 16. Quote ref. No. 604/0).

JUNIOR SCIENTIFIC OFFICER (physicist) at the Fuel Research Station, East Greenwich—The Establishment Officer, D.S.I.R., 16 Old Queen Street, Westminster, S.W.1 (September 20. Quote J 38/11).

SUPERINTENDENT of the Marine Division of the Meteorological Office—The Under-Secretary of State (S.2.A.), Air Ministry, Aadastral House, Kingsway, London, W.C.2 (September 30).

EXAMINER (physicist) in the A.I.D. Test House, Kidbrooke, S.E.3—Under-Secretary of State, Air Ministry, Kingsway, London, W.C.2 (Quote ref. No. I.G.17).

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

British Museum (Natural History). John Murray Expedition, 1933-34. Scientific Reports, Vol. 5, No. 7 : The Flabellid and Turbidolid Corals. By J. Stanley Gardiner and Peggy Waugh. Pp. 167-202+7 plates. (London : British Museum (Natural History).) 5s. [168]

Strangeways Research Laboratory, Cambridge. Report for 1937. Pp. 23. (Cambridge : Strangeways Research Laboratory.) [178]

Other Countries

Proceedings of the United States National Museum. Vol. 85, No. 3037 : A New Genus and Two New Species of the Dipterous Family Phoridae. By Charles T. Greene. Pp. 181-186. (Washington, D.C. : Government Printing Office.) [158]

Division of Fish and Game of California : Bureau of Marine Fisheries. Fish Bulletin No. 51 : The High Seas Tuna Fishery of California. By H. C. Godsil. Pp. 41. (Terminal Island, Calif. : California State Fisheries Laboratory.) Free. [158]

Kungl. Svenska Vetenskapsakademiens Handlingar. Serien 3, Band 16, No. 5 : The Alcyonarian Genus Bathyalcyon. By Sixten Bock. Pp. 54+2 plates. (Stockholm : Almqvist and Wiksells Boktryckeri-A.-B. ; London : H. K. Lewis and Co., Ltd.) [168]

League of Nations : Child Welfare Information Centre. Summary of Annual Reports received from Governments between the Close of the First Session and the Close of the Second Session of the Advisory Committee on Social Questions (May 1st, 1937-May 5th, 1938). (Official No. : C.81.M.36.1938.IV.) Pp. 160. (Geneva : League of Nations ; London : George Allen and Unwin, Ltd.) 3s. [168]

Nyasaland Protectorate. Annual Report of the Forestry Department for the Year ended 31st December 1937. Pp. 27. (Zomba : Government Printer.) 1s. [168]

Rubber Research Institute of Malaya. Annual Report 1937. Pp. ii+211+2 plates. (Kuala Lumpur : Rubber Research Institute.) 1 dollar. [168]

Colony and Protectorate of Kenya : Forest Department. Annual Report, 1937. Pp. 29. (Nairobi : Government Printer.) 1s. [168]

Report of the Kodaikanal Observatory for the Year 1937. Pp. 4. (Delhi : Manager of Publications.) 3 annas ; 4d. [168]

Indian Central Cotton Committee : Technological Laboratory. Technological Bulletin, Series A, No. 42 : Empirical Relationships between Count, Lea Strength and Staple Length of Indian Cottons. By V. Venkataraman and Dr. Nazir Ahmad. Pp. ii+16. (Bombay : Indian Central Cotton Committee.) 8 annas. [168]

Hokkaidô Imperial University Calendar, 1937-1938. Pp. iii+227. (Sapporo : Hokkaidô Imperial University.) [168]

Carnegie Institute of Washington. Catalogue of Publications. Pp. iv+146. (Washington, D.C. : Carnegie Institution.) [168]

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 90. The Occurrence of Flints and Extinct Animals in Fluvial Deposits near Clovis, New Mexico. Part 6 : Report on Field Season of 1937. By J. L. Cotter. Pp. 113-118. Part 7 : Pleistocene Mollusks from the Clovis Gravel Pit and Vicinity. By William T. Clarke, Jr. Pp. 119-122. On the Relationship of the Nearctic Genus *Dracotettix* (Orthoptera : Acrididae). By James A. G. Rehn. Pp. 123-132. (Philadelphia : Academy of Natural Sciences.) [178]

U.S. Department of the Interior : Office of Education. Bulletin, 1937, No. 30 : Occupational Experiences for Handicapped Adolescents in Day Schools. By Elise H. Martens. Pp. iv+61. (Washington, D.C. : Government Printing Office.) 15 cents. [178]