

A. ALICHANOV, A. ALICHANIAN and M. KOZODAEV: Measurement of  $e/m_0$  for  $\beta$ -particles of RaC.

A. ALICHANOV and G. LATYSHEV: Spectrum of RaC positrons.

V. ČERNIAJEV: (1) Wave-length measurements of deuterium and hydrogen Balmer lines. (2) Influence of noble gases on the intensity of lines of hydrogen and deuterium Balmer series.

V. FABRIKANT and G. ROKHLIN: Effect of magnetic field upon the radiation of mercury discharge.

V. FABRIKANT and K. PANEVKIN: Excitation of atoms in a discharge of rare gases.

W. LEWSCHIN and E. RICKMANN: Investigation of the phosphorescence mechanism of samarium phosphorescent substances by studying the deterioration of their luminescence.

N. BALASCHOWA and A. FRUMKIN: Electro-kinetic behaviour of platinum at different potentials.

N. A. FIGUROWSKY: Method for determination of the differential volume of pores of porous bodies.

N. A. ŠIŠAKOV: Mosaic flocus of silicate glasses.

M. A. ILJINSKY: Characteristics of the phenomena taking place at the boundary line between two solid phases in an indifferent liquid medium.

V. I. NIKOLAEV and S. K. KALININ: Strontium as a chemical indicator.

K. M. GORBUNOVA: Deposition of metals on mono-crystals.

P. A. ZEMIATCHENSKY: Problem of the origin of kaolin.

G. V. SAMOKHVALOVA: Influence of low temperatures on fish.

M. N. MEISSEL: Alterations of chondriosomes of yeast organisms in the course of respiration and fermentation.

N. V. SEMIGANOVSKAIA: Dependence of the development of wheat plant on the geographical origin of the seed.

S. S. SMIRNOV: Question of glacial-masine relics in fresh-water fauna.

A. N. SROUDITSKY: (1) Thyreotropic response in the chick embryo. (2) Parathyreotropic response in the chick embryo.

M. P. AIZUPET: Regeneration processes in the developing bone.

Z. IGNATIEVA: Differentiation of neuroblasts in cultures.

## Tokyo

Imperial Academy (*Proc.*, 15, No. 1, 1-21; 1939).

SHŌKICHI IYANAGA: Proof of the invariance of fundamental groups by the subdivision of complexes.

KAKUJI GOTO and HIDEO SHISHIDO: Constitution of tuduranine. This is an accessory alkaloid of sinomenine in the root of *Simonenum acutum* Rehd. et Wils., and is shown to be the 1-form of 3-oxy-5, 6-dimethoxy-N-nor-aporphine.

KOZO HIROTA and JURO HORIUTI: An electrical phenomenon of a palladium filament occluding hydrogen.

YOSHIKAZU TOYOHARA: Inclination of the strand along a sandy seashore.

SOICHI FUKUDA: Acceleration of development of the silkworm ovary by transplantation into the young pupa. Rapid development is obtained by transplantation into a pupa of either sex, regardless of the presence or absence of gonads.

## Appointments Vacant

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

PROFESSOR OF ECONOMICS in University College, Swansea—The Registrar (April 3).

JUNIOR LECTURER IN SCIENCE (advanced electrical theory) in the Royal Military Academy, Woolwich—The Under-Secretary of State (C.5), The War Office, London, S.W.1 (April 8).

LECTURER IN HORTICULTURE AND NATURE STUDY in the Strandmillis Training College, Belfast—The Principal (April 15).

ASSISTANT LECTURER IN DOMESTIC SUBJECTS in the University of Reading—The Registrar (April 17).

LECTURER IN PHYSICS in the School of Science, Khartoum—The Controller, Sudan Government London Office, Wellington House, Buckingham Gate, London, S.W.1 (May 15).

## Reports and other Publications

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Liverpool Observatory and Tidal Institute. Annual Report, 1938. Pp. 18+3 plates. (Liverpool: Liverpool Observatory.) [93]

Monographs of the Geological Department of the Hunterian Museum, Glasgow University. 5: On a Second Collection of Fossils and Rocks from Kenya made by Miss M. McKinnon Wood. With some further Geological Observations on the Coastlands of Kenya, by Miss McKinnon Wood, and Reports on the Collections by Dr. Ethel D. Currie, Dr. J. W. Gregory, C. D. Ovey, Dr. G. W. Tyrrell and Agnes T. Neilson, Dr. J. Weir, and Dr. S. Williams. (Glasgow University Publications, 49.) Pp. iv+116+12 plates. (Glasgow: Jackson, Son and Co.) [93]

Home Office. Report on the Psychological Treatment of Crime. By Dr. W. Norwood East and W. H. de B. Hubert. Pp. iii+166. (London: H.M. Stationery Office.) 2s. 6d. net. [93]

### Other Countries

University of Colorado Studies. Series B: Studies in the Humanities. Vol. 1, No. 1: Edmund Burke and his Kinsmen; a Study of the Statesman's Financial Integrity and Private Relationships. By Dixon Wector. Pp. 113. (Boulder, Colo.: University of Colorado.) 1 dollar. [63]

Journal of the Faculty of Agriculture, Hokkaido Imperial University. Vol. 42, Part 3: On the Nematoda-Parasites of the Pacific Ocean. By Tsunenobu Fujita. Pp. 239-266+plates 10-14. (Tokyo: Maruzen Co., Ltd.) [63]

Bernice P. Bishop Museum. Bulletin 152: Distribution and Variation of *Achatinella mustelina* Mighels in the Waianae Mountains, Oahu. By D'Alte A. Welch. Pp. ii+164+13 plates. Bulletin 153: A Manual of the Recent and Fossil Marine Pelecypod Mollusks of the Hawaiian Islands. By William Healy Dall, Paul Bartsch and Harald Alfred Rehder. Pp. iv+234+58 plates. Bulletin 154: Flowering Plants of Samoa, 2. By Erling Christophersen. Pp. 78+3 plates. Bulletin 155: Report of the Director for 1937. By Peter H. Buck (Te Rangī Hiroa). Pp. 30. Bulletin 156: Hawaiian Shore Fishes. By Victor Pietschmann. Pp. ii+56+18 plates. Bulletin 157: Ethnology of Mangareva. By Te Rangī Hiroa (Peter H. Buck). Pp. viii+520+3 plates. Bulletin 158: Zonitid Snails from Pacific Islands, Part 1. 1: Southern Genera of Microcystinae. By H. Berrington Baker. Pp. ii+102+20 plates. (Honolulu: Bernice P. Bishop Museum.) [63]

Proceedings of the First Session of the Indian Statistical Conference held in Calcutta, January 1938. Edited by Prof. P. C. Mahalanobis. Pp. v+312+2 plates. (Calcutta: Statistical Publishing Society; London: P. S. King and Son, Ltd.) [63]

The Coconut Research Scheme, Ceylon. Bulletin No. 4: Geneticist's Annual Reports for 1936 and 1937. Pp. ii+58. (Lunuwila: Coconut Research Scheme.) [63]

Journal of the Indian Institute of Science. Vol. 22A, Part 2: Supersonic Velocity in Gases and Vapours. Part 5: Heat Capacity of Vapours of Acetone, Benzene, Cyclohexane, *n*-Hexane, Methyl, Ethyl and *n*-Propyl Ethers. By S. K. Kulkarni Jatkar. Pp. 19-38. (Bangalore: Indian Institute of Science.) 1.8 rupees. [63]

Indian Forest Records (New Series). Botany, Vol. 1, No. 3: A List of the Grasses of Assam. By Dr. N. L. Bor. Pp. v+47-102+5 plates. (Delhi: Manager of Publications.) 2.10 rupees; 4s. 3d. [63]

### Catalogues, etc.

Watson's Microscope Record. No. 46, January 1939. Pp. 24. (London: W. Watson and Sons, Ltd.)

Zeiss Nachrichten. Folge 2, Heft 7, September 1938. Pp. 223-266. (Jena and London: Carl Zeiss.)

The Nivoc Supplement. No. 6, Series E, February. Pp. 12. (London: W. and J. George, Ltd.)

Catalogue of Books on Military History, including Regimental Records, The Great War, Uniforms, etc. (Catalogue No. 636.) Pp. 48. (London: Francis Edwards, Ltd.)

Actualités scientifiques et industrielles (1932-1939). Répertoire 1-809. Pp. 64. (Paris: Hermann et Cie.)

Lenses and Mirrors. (List No. 122.) Pp. 2. (Croydon: Gowilands, Ltd.)