

GEORGES BROOKS: The determination of the fluorescence spectra of ash isolated from the tissues of *Rana esculenta*.

LAZARE SILBERSTEIN: The action of chloropierin on the vitamin B₁ contained in wheat. Chloropierin is increasingly used for the destruction of insects in cereals: experiments on pigeons show that vitamin B₁ in wheat is unaffected by this chemical.

MME. YVONNE JÉRÔME-LÉVY: The acetic fermentation in the presence of charcoal. In the presence of charcoal the production of acetic acid is accelerated, and the quantity produced is also higher.

AUGUSTE CUÉNOD and ROGER NATAF: The polymorphism of *Rickettsias* of the trachome.

ARTHUR VERNES, ROBERT BRICQ and MLE. ANDRÉE GAGER: New considerations on the pallidine of syphilitic sera.

Calcutta

National Institute of Sciences of India, January 9.

SYMPOSIUM ON RIVER PHYSICS IN INDIA.

D. N. WADIA: Changes in the courses of Indian rivers during the latest geological epoch.

SUNDER LAL HORA: Changes in the drainage of India, as evidenced by the distribution of freshwater fishes.

C. C. INGLIS: The use of models for elucidating flow problems based on experience gained in carrying out model experiments at the Hydrodynamic Research Station, Poona.

GERALD LACEY: The flow of water in alluvial channels.

KANWAR SAIN: The effects of the construction of weirs and weir-controlled canals on the regimes of the Punjab rivers.

A. N. KHOSLA: Design of weirs on permeable foundations.

N. K. BOSE: River physics laboratories of Europe and America.

S. C. MAJUMDAR: River problems in Bengal.

P. C. MAHALANOBIS: River floods in Orissa.

Cracow

Polish Academy of Science and Letters, December 6.

MLE. L. STANKIEWICZ: The arithmetical operations in the numerical solution of a system of linear equations according to the methods of Banachiewicz.

W. SWIETOSLAWSKI, L. KEFFLER and J. SALCEWICZ: Contribution to the study of the quantity of heat evolved in the internal transformation of a block of lead produced by the action of its own weight. The authors prove the existence of a thermal effect of the order of 0.4×10^{-4} to 0.2×10^{-4} calories per gram per hour. When massive blocks of lead are used for measuring the heat given off by radioactive elements, this phenomenon must be taken into account.

J. MOSZEW: Syntheses of compounds of the type 2'-phenyl-3', 4', 2, 3-quinolinoquinoline.

ST. KREUTZ: The metamorphosis of the amphibolite rocks of the Tatra.

L. CHROBAK: Pegmatites and granites containing molybdenite of the western Tatra.

J. WOJCIECHOWSKI and MLE. L. SKROBINSKA: The action of the hydrogen ion concentration on the chemotropism produced by phosphates.

Forthcoming Events

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

Monday, February 21

IMPERIAL COLLEGE OF SCIENCE (Chemistry Lecture Theatre), at 5.15.—Prof. W. P. Jorissen: "Reactions in Gaseous and Solid Mixtures".*

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—A. Stephenson and the Rev. Lancelot Fleming: "King George the Sixth Sound".

Wednesday, February 23

SOCIETY FOR THE STUDY OF ALCHEMY AND EARLY CHEMISTRY, at 8.—R. B. Pilcher: "Alchemists' Apparatus in Art".

ROYAL SOCIETY OF ARTS, at 8.15.—Oscar Borer: "Reclamation of Tidal Lands".

Friday, February 25

ROYAL INSTITUTION, at 9.—Prof. D. M. S. Watson, F.R.S.: "Pterodactyls Past and Present".

ASSOCIATION OF TECHNICAL INSTITUTIONS, February 25-26.—Annual General Meeting to be held in the Haberdashers Hall, Gresham Street, London, E.C.2.

February 25, at 11 a.m.—Sir Robert Pickard, F.R.S.: Presidential Address.

Appointments Vacant

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

LECTURER IN ENGINEERING in the East London Technical College, South Africa—The High Commissioner for the Union of South Africa, Trafalgar Square, W.C.2 (March 4).

UNIVERSITY DEMONSTRATOR IN ENGINEERING—The Secretary of the Appointments Committee, Engineering Laboratory, Cambridge (March 9).

LECTURER IN ANATOMY in the University of Belfast—The Secretary.

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Report of the Little Owl Food Inquiry, 1936-37. Organised by the British Trust for Ornithology. By Alice Hibbert-Ware. Pp. 74+8 plates. (London: H. F. and G. Witherby, Ltd.) 3s. 6d. net. [201

Leeds University. Report to the Worshipful Company of Clothworkers of the City of London of the Advisory Committee on the Departments of Textile Industries and Colour Chemistry and Dyeing during the Session 1936-37. Pp. 24. (Leeds: The University.) [201

University College of Wales, Aberystwyth. Leaflet Series S, No. 4: New Varieties and Strains from the Welsh Plant Breeding Station—Two New Varieties of Oats. S84, Spring Oats for Soils of High Productive Capacity; S175, Spring Oats for Soils of Medium Productive Capacity; and Notes relative to the Cultivation of Ceirch Llwyd Cwta (S171) and relative to the Selection of Varieties. Pp. 23+3 plates. (Aberystwyth: Welsh Plant Breeding Station.) 1s. [211

University of London: Institute of Education. The Teaching of Mathematics: a Bibliography. By Max Black. Pp. 14. (London: Christophers.) 6d. [251

Other Countries

Statens Meteorologisk-Hydrografiska Anstalt. Årsbok, 17, 1935. vi. Aerologiska iakttagelser i Sverige, 1934-1935. Pp. 10. 3.00 kr. Meddelanden, Serien Uppsatser. No. 16: Luminous Efficiency of Solar Radiation. By T. E. Åurén. Pp. 24. 1.50 kr. No. 20: Några aktinometrars egenskaper med hänsyn till mätning av artificiell strålning i samband med växtodling. Av Gösta Köhler. Pp. 98. 3.00 kr. No. 21: Hydrologisk bibliografi åren 1935 och 1936, Sverige, årgångar 2 och 3. Pp. 14. 1.00 kr. No. 23: Actinometric Measurements near Stockholm, 1930-1936. By Anders Ångström. Pp. 28. 2.00 kr. (Stockholm: Statens Meteorologisk-Hydrografiska Anstalt.) [211

Science and Reality. Pp. 28. (Calcutta: Science and Reality.) [251
Mittellungen der Prähistorischen Kommission der Akademie der Wissenschaften. Band 3, Nr. 1-3: Untersuchungen im Bergbaugebiete Kelchalpe bei Kitzbühel, Tirol. Von Ernst Preuschen und Richard Pittioni. Pp. 160+39 plates. (Wien: Holder-Pichler-Remsky A.G.) [251