

production of acid. N. TOROPOV: Chemico-mineralogical studies of the aluminates of barium. R. BELKIN: Interaction of the external and internal factors during ontogenesis in Amphibia. (2) The influence of temperature on the metamorphosis of *Amblystoma tigrinum* produced by thyroxin. D. KOSTOFF: Studies on polyploid plants. (5) Fertile hybrids, *Triticum vulgare*—*monococcum*. E. HASRATIAN: Motor defensive conditioned reflexes in dogs with extirpated cortical motor areas of the cerebral hemispheres. A. LINDBERG: Influence of the length of intervals between the applications of conditioned stimuli on the energy of conditioned reflexes. S. KRAJEVOJ and F. KIRITCHENKO: New contribution to the investigation of developmental stages in wheat. V. SUKACHEV: *Brasenia purpurea*, Michx. in the early tertiary deposits of western Siberia. V. REDIKORZEV: *Apocheiridium rossicum*, sp. n. Description of a new pseudoscorpion from Russia. P. TYURIN: Contribution to the biology of the perch (*Perca fluviatilis*, L.) from Lake Chany, western Siberia.

ST. MARY'S HOSPITAL, LONDON, at 5.—Dr. Igor N. Asheshov: "Bacteriophage".\*

BRITISH SCIENCE GUILD AND ENGINEERS' STUDY GROUP ON ECONOMICS, at 5.30—(at the Institution of Civil Engineers, Great George Street, S.W.1).—Discussion on "Economic and Social Reform Programmes". Report to be presented by Lieut.-Col. J. V. Delahaye.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Annual general meeting to be followed by talking films of eminent electrical engineers.

CHEMICAL SOCIETY, at 8.—Discussion on "The Significance of Phosphoric Esters in Biochemical Processes", to be opened by Prof. R. Robinson.

BRITISH INSTITUTE OF RADIOLOGY, at 8.—Dr. G. Shearer: "The X-Ray Microscope" (Presidential Address).

ROYAL SOCIETY OF ARTS, at 8.—Prof. A. F. Barker: "The Evolution of the Industrial System in the Far East".

Friday, May 17

GRESHAM COLLEGE, BASINGHALL STREET, E.C.2, at 6.—A. R. Hinks: "The Tercentenary of Robert Hooke".\*

### Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

Sunday, May 12

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—Capt. Guy Dollman: "Mammals".\*

Monday, May 13

UNIVERSITY COLLEGE, LONDON, at 5.—D. H. K. Lee: "The Physiological Effects of Tropical Climate" (succeeding lectures on May 20, 27 and June 3).\*

NATIONAL INSTITUTE OF INDUSTRIAL PSYCHOLOGY, at 5.30—(at the London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1).—Prof. Major Greenwood: "The Modern Importance of the Temperamental Factor and its Ancient History".\*

ARMOURERS' AND BRASIERS' COMPANY, at 7—(in the Sir John Cass Technical Institute, 31 Jewry Street, E.C.).—Dr. H. Moore: "Internal Stresses in Metals and Alloys" (succeeding lectures May 20 and 27).\*

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Sir Halford Mackinder: "Progress of Geography in the Field and the Study during the Reign of His Majesty King George the Fifth".

Tuesday, May 14

INSTITUTE OF PHYSICS, at 3.15.—Annual General Meeting.

EUGENICS SOCIETY, at 5.15—(in the rooms of the Royal Society, Burlington House, W.1).—Prof. R. A. Fisher: "Eugenics, Academic and Practical".

GRESHAM COLLEGE, BASINGHALL STREET, E.C.2, at 6.—A. R. Hinks: "The Astronomy of the Last 25 Years" (succeeding lectures on May 15 and 16).\*

INSTITUTION OF CIVIL ENGINEERS, at 6.—Annual General Meeting.

ROYAL PHOTOGRAPHIC SOCIETY (SCIENTIFIC AND TECHNICAL GROUP), at 7.—Prof. Moritz von Rohr: "Modern Instruments both for the Accurate Depicting and Correct Viewing of Perspectives or Photographs".

ILLUMINATING ENGINEERING SOCIETY, at 7.15.—Prof. M. Pirani: "Production of Light".

Thursday, May 16

ROYAL SOCIETY, at 4.30.—Prof. R. H. Fowler: Bakerian Lecture.

LONDON MATHEMATICAL SOCIETY, at 5—(in the rooms of the Royal Astronomical Society, Burlington House, W.1).—Prof. E. C. Titchmarsh: "The Zeta-Function of Riemann".

### Official Publications Received

#### GREAT BRITAIN AND IRELAND

River Flow Records. River Dee (Aberdeenshire): the Records of Water Level, Rainfall and Run-off for the Year 1934. By Capt. W. N. McClean. Pp. 8+5 plates. (London: River Flow Records.) 10s. 6d.

Iron and Steel Institute. Special Report No. 8: Third Report of the Corrosion Committee. Pp. ix+214+12 plates. (London: Iron and Steel Institute.)

The Institute of Physics. Report of the Board for the Year 1934. Pp. 15. (London: Institute of Physics.)

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1547 (T. 2859): Experimental Investigation of Boundary Layer Flow, with Special Reference to the Transitional Region. By L. F. G. Simmons and A. F. C. Brown. Pp. 18+21 plates. 1s. 3d. net. No. 1612 (I.C.E. 919, 985): Consumption Measurements in Flight with Variable Ignition. By J. L. Hutchinson and E. Finn. Pp. 8+15 plates. 9d. net. (London: H.M. Stationery Office.)

Stonyhurst College Observatory. Results of Geophysical and Solar Observations, 1934; with Report and Notes of the Director, Rev. J. P. Rowland. Pp. xx+42. (Blackburn: Stonyhurst College.)

B.B.C. Annual, 1935. Pp. 192. (London: British Broadcasting Corporation.) 2s. 6d.

#### OTHER COUNTRIES

New Zealand State Forest Service. Bulletin No. 7: A Phomopsis Disease of Conifers in New Zealand. Pp. 30. 1s. 9d. Circular No. 35: Forestry in New Zealand. Pp. 14. (Wellington, N.Z.: Government Printer.)

Southern Rhodesia. Meteorological Report for the Year ended 30th June 1934, by the Department of Agriculture. Pp. 43. (Salisbury: Department of Agriculture.)

Brooklyn Botanic Garden Record. Vol. 24, No. 2: The Twenty-fourth Annual Report of the Brooklyn Botanic Garden, 1934. Pp. 155. (Brooklyn, N.Y.: Brooklyn Institute of Arts and Sciences.)

Fiskeridirektatets Skrifter: Report on Norwegian Fishery and Marine Investigations. Vol. 4, No. 10: Torskens Gytning; med særlig henblik på den årlige cyklus i generasjonsorganenes tilstand. Av Erling Sivertsen. Pp. 29+4 plates. (Bergen: A.s. John Griegs Boktrykkeri.)

Journal of the Indian Institute of Science. Vol. 18A, Part 1: A New Enzyme Preparation. By M. Srinivasan and M. Sreenivasaya. Pp. 5. 10 annas. Vol. 18A, Part 2: Extraction of Sap from Plant Tissues. By S. Rajagopal and A. V. Varadaraja Iyengar. Pp. 7-10. 8 annas. Vol. 18A, Part 3: Isolation and Characteristics of a New Species of Rhodococcus (*R. nuciferii*). By A. V. Varadaraja Iyengar. Pp. 11-14. 8 annas. Vol. 18A, Part 4: Addendum to the Paper "Indian Coal Tar". By B. Jagannath Hedge, B. Sanjiva Rao and P. C. Guha. Pp. 15-18. 8 annas. (Bangalore: Indian Institute of Science.)

U.S. Department of Agriculture. Circular No. 353: The Dutch Elm Disease Eradication Project; Federal, State and Local Co-operation. By L. H. Worthley. Pp. 4. (Washington, D.C.: Government Printing Office.) 5 cents.

Cold Spring Harbor Symposia on Quantitative Biology. Vol. 2. Pp. xii+284. (Cold Spring Harbor, N.Y.: The Biological Laboratory.) Proceedings of the Academy of Natural Sciences of Philadelphia. Vol. 86, 1934. Pp. iii+589+23 plates. (Philadelphia: Academy of Natural Sciences.) 6.25 dollars.

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