

M. KONSTANTINOVA-SCHLESINGER: Percentage of atmospheric ozone at the altitude of 9,620 m. determined by fluorometric procedure.

W. A. PLOTNIKOV: Isotopes.

E. E. BABKIN: Vapour tension of a mixture of phosphoric and nitric acids.

M. A. KLOČKO: Conductivity of electrolytic systems.

I. LOBANOV and A. JUNGERMAN: The age of old rocks at Isahkovski Hill.

T. T. DEMIDENKO and E. F. TIMOFFEIEVA: (1) *Azotobacter* as a source of nitrogenous foodstuff for the higher plants. (2) The role of straw as a source of carbohydrates for nodule bacteria.

D. KOSTOFF: (1) Interspecific hybrids in *Secale* (Rye). (2) Studies on polyploid plants (17). *Nicotiana multivalvis* ( $2n = 48$ )  $\times$  *Nicotiana suaveolens* ( $2n = 32$ ) amphidiploid ( $2n = 80$ ).

M. KLUČNIKOVA: Physiological characteristics of vernalized and non-vernalized *Perilla*.

N. I. EFIMOVA: Influence of different substances, artificially introduced into leaves of tobacco, on the development of the disease called 'riaboukha'.

A. A. KUZMENKO: Experiments on the illumination of grains by light of different wave-length.

T. T. DEMIDENKO and E. F. TIMOFFEIEVA: Influence of nodule bacteria and *Azotobacter* on the yield of leguminous and cereal plants sown together.

M. I. SALTYKOVSKIY: Causes of intermediate cold resistance in wheat hybrids of the first generation.

ASSISTANT FOR COMPUTATIONAL WORK, etc., in the Mathematics Department, Imperial College of Science and Technology, South Kensington, S.W.7.—The Secretary (June 30).

SENIOR PHYSICIST, CHEMIST AND RESEARCH ASSISTANT IN BIO-CHEMISTRY on the staff of the Wool Industries Research Association—The Secretary, Torrington, Headingley, Leeds, 6 (June 30).

LECTURER IN BIOLOGY AND SCHOOL GARDENING in the Swanley Horticultural College for Women, Swanley, Kent—The Principal (July 1).

BIOCHEMIST in the Rowett Research Institute, Aberdeen—The Secretary (July 1).

DEMONSTRATOR in the Physics Department, Guy's Hospital Medical School, London Bridge, S.E.1—The Dean (July 2).

PSYCHOLOGIST (woman: part-time) in the Maudsley Hospital, Denmark Hill, S.E.5—The Medical Superintendent (July 3).

PRINCIPAL AND HEAD MASTER of the Sheerness Technical Institute and Junior Technical School—Mr. V. C. Stupples, 46 High Street, Sheerness (July 3).

## Official Publications Received

### Great Britain and Ireland

Department of Scientific and Industrial Research. Report of Test by the Director of Fuel Research on the Carbonising Plant of Coal and Allied Industries, Ltd., at Seaham Harbour, County Durham—Test carried out 10th to 17th September 1936. Pp. iv+33. (London: H.M. Stationery Office.) 9s. net. [245]

Ministry of Health. Costing Returns, Year ending 31st March 1936. Part 2: Poor Law Institutions, Separate Casual Wards. Pp. 27. (London: H.M. Stationery Office.) 1s. 3d. net. [245]

Twenty-five Years of the London Museum: an Album of Photographs illustrating the Range of the Collections. Pp. 142+130 plates. (London: London Museum.) 2s. 6d. [265]

### Other Countries

U.S. Department of Commerce: Coast and Geodetic Survey. Special Publication No. 205: Cartography. By Charles H. Deetz. Pp. vi+83+29 plates. (Washington, D.C.: Government Printing Office.) 60 cents. [215]

U.S. Department of the Interior: Office of Education. Bulletin, 1936, No. 19: Functional Planning of Elementary School Buildings. By Alice Barrows. Pp. viii+83. (Washington, D.C.: Government Printing Office.) 25 cents. [215]

Achema Jahrbuch, Jahrgang 1937: Berichte über Stand und Entwicklung des Chemischen Apparatewesens. Begründet von Dr. Max Buchner. Herausgegeben unter Mitwirkung von Fachgenossen aus Wissenschaft und Technik der Achema. Pp. 296+xlvi+96. (Berlin: Verlag Chemie, G.m.b.H.) [245]

U.S. Department of the Interior: Geological Survey. Bulletin 868-D: The Kaiyuh Hills, Alaska. By J. B. Mertie. (Mineral Resources of Alaska, 1934.) Pp. ii+145-178+plate 9. 10 cents. Bulletin 878: Analysis of Rocks and Minerals from the Laboratory of the United States Geological Survey, 1914-36. Tabulated by Roger C. Wells. Pp. x+134. 15 cents. Bulletin 880-A: Mineral Industry of Alaska in 1935. By Philip S. Smith. (Mineral Resources of Alaska, 1935.) Pp. ii+95+plate 1. 20 cents. Professional Paper 186-C: Fossil Plants from the Stanley Shale and Jackfork Sandstone in Southeastern Oklahoma and Western Arkansas. By David White. (Shorter Contributions to General Geology, 1936.) Pp. ii+43-67+plates 10-14. 10 cents. Professional Paper 186-D: Some Organic Constituents of a Recent Sediment from Chinoctague Bay, Virginia. By Roger C. Wells and E. Theodore Erickson. (Shorter Contributions to General Geology, 1936.) Pp. ii+69-79+plate 15. 10 cents. Professional Paper 186-G: Stratigraphic Relations of the Austin, Taylor and Equivalent Formations in Texas. By Lloyd William Stephenson. (Shorter Contributions to General Geology, 1936.) Pp. ii+133-146+plate 44. 10 cents. Professional Paper 186-I: Some Deep Wells near the Atlantic Coast in Virginia and the Carolinas. By W. C. Mansfield. (Shorter Contributions to General Geology, 1936.) Pp. ii+159-161. 5 cents. Water-Supply Paper 786: Surface Water Supply of the United States, 1935. Part 6: Missouri River Basin. Pp. 353. 40 cents. (Washington, D.C.: Government Printing Office.) [245]

Koninklijke Vereeniging "Koloniaal Instituut", Amsterdam. Zes en twintigste Jaarverslag, 1936. Pp. 135. (Amsterdam: Koloniaal Instituut.) [245]

Proceedings of the U.S. National Museum. Vol. 84, No. 3016: Two New Beetles of the Family Mordellidae from Orchids. By Eugene Ray. Pp. 239-242. (Washington, D.C.: Government Printing Office.) [245]

### Catalogues, etc.

Catalogue of Books and Journals on Zoology, Biology and Geology. (No. 507.) Pp. 66. (Cambridge: W. Heffer and Sons, Ltd.)

A Collection of Old Medical Books: Bacteriology, Circulation of the Blood, Electrotherapy, Ophthalmology, Pharmacology, etc. (List No. 25.) Pp. 36. (London: E. P. Goldschmidt and Co., Ltd.)

Scientific Instruments. Pp. 100. (Delft: P. J. Kipp and Zonen; London: W. Edwards and Co.)

Vergleichende Anatomie: Histologie, Ontogenie, Anthropologie. (Antiquariatskatalog Nr. 712.) Pp. 202. (Leipzig: Gustav Fock, G.m.b.H.)

Cambridge Pressure and Draught Indicators and Recorders. (Folder No. 47a.) Pp. 6. (London: Cambridge Instrument Co., Ltd.)

## Forthcoming Events

### Tuesday, June 22

INSTITUTION OF HEATING AND VENTILATING ENGINEERS, at 7.—A. F. Dufton: "The Air we Breathe".

### Thursday, June 24

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, at 5.30. Oration Day.

Sir William Beveridge: "The Place of the Social Sciences in Human Knowledge".

### Saturday, June 26

ROYAL METEOROLOGICAL SOCIETY.—Summer meeting to be held at the Solar Physics Observatory, Cambridge.

ASSOCIATION OF TECHNICAL INSTITUTIONS, June 25-26.—Annual Summer Meeting to be held at Blackpool.

## Appointments Vacant

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

LECTURER IN MECHANICAL ENGINEERING in the Hull Municipal Technical College—The Director of Education, Education Offices, Guildhall, Hull (June 21).

HEAD of the Department of Hygiene and Public Health in the Battersea Polytechnic, S.W.11—The Principal (June 26).

LECTURER IN GEOGRAPHY in the Portsmouth Municipal Technical College—The Registrar (June 26).

LECTURER IN CHEMISTRY in the Battersea Polytechnic, London, S.W.11—The Principal (June 26).

LECTURER IN PHYSICS AND METHODS OF TEACHING SCIENCE in the Borough Road College, Isleworth, Middlesex—The Principal (June 26).

ASSISTANT MASTERS TO TEACH ENGINEERING AND SCIENCE AND MATHEMATICS in the Bolton Municipal Technical College—The Director of Education, Education Offices, Nelson Square, Bolton (June 30).

LECTURER IN PRODUCTION ENGINEERING and LECTURER IN ELECTRICAL ENGINEERING in the Central Technical College, Birmingham—The Principal (June 30).