

## Official Publications Received.

## BRITISH.

Journal of the Indian Institute of Science. Vol. 14A, Part 2: The Photochemical Oxidation of Organic Hydrocarbons. Part 2: Toluene, and the Oxidation of Benzaldehyde. By C. J. Kothari and H. E. Watson. Pp. 11-30. (Bangalore.) 1.4 rupees.

Report and Balance Sheet of the National Botanic Gardens of South Africa, Kirstenbosch, Newlands, Cape, (and the Karoo Garden, Whitehill, near Matjesfontein), for the Year ending 31st December 1930. Pp. 30. (Kirstenbosch.)

Transactions and Proceedings of the New Zealand Institute. Vol. 62, Part 1, March. Pp. 66. (Wellington.)

The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 69, No. 416, August. Pp. 933-1044+xx. (London: E. and F. N. Spon, Ltd.) 10s. 6d.

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1369 (Ae. 496—T. 3062): Further Experiments on the Flow around a Circular Cylinder. By A. Fage and V. M. Falkner. Pp. 18+10 plates. 1s. net. No. 1371 (Ae. 498—T. 8054): Drag Tests on a Large Model in a Small Tunnel. By F. B. Bradfield and W. G. A. Perring. Pp. 11+10 plates. 9d. net. No. 1385 (M. 70—T. 2974 and a): Mode of Deformation of a Single Crystal of Silver. By Dr. H. J. Gough and H. L. Cox. Pp. 13+8 plates. 1s. net. (London: H.M. Stationery Office.)

## FOREIGN.

Department of Agriculture, Straits Settlements and Federated Malay States. Scientific Series, No. 5: The Bionomics of some Malayan Rhynchota (Hemiptera-Heteroptera.) By N. C. E. Miller. Pp. ii+142. (Kuala Lumpur.)

The Bulletin of the Central Meteorological Observatory of Japan. Vol. 4, No. 1: Note on the Meteorology of the Sun. By Rikiti Sekiguti. Pp. ii+88. Vol. 4, No. 2: The Climate of Japan. By T. Okada. Pp. vi+89-416+10+85 plates. (Tokyo.)

Publications of the Astronomical Observatory of the Warsaw University. Vol. 6. Pp. iii+60. (Warsaw.)

The Carnegie Foundation for the Advancement of Teaching. Twenty-fifth Annual Report of the President and of the Treasurer. Pp. vii+206. (New York City.) Free.

Records of Oceanographic Works in Japan. Compiled by the Committee on Pacific Oceanography of the National Research Council of Japan. Vol. 3, No. 2. Pp. ii+85-62+11 plates. (Tokyo: National Research Council of Japan.)

Scientific Papers of the Institute of Physical and Chemical Research. No. 310: On the Diffraction of Proton Wave. By Yoshikatsu Sugiura. Pp. 29-40. 20 sen. No. 311: The Solarization of Fluorite, and the Law of Lumino-Transformation. By Satoyasu Iimori and Eiichi Iwase. Pp. 41-67+5 plates. 45 sen. Nos. 312-315: Physical Investigations of Conflagrations in Tokyo, by Torahiko Terada and Tyokuro Utigasaki; Propagation of Combustion along the Surface of Inflammable Liquid, Part I, by Tosirō Kinbara; Rupture Phenomena of Liquid Drops, by Toshimasa Tsutsui; Effects of Carbon and Iron in Blue Powder on Sherardizing (Abridgment), by Masawo Kuroda. Pp. 69-126+8 plates. 95 sen. (Tokyo: Iwanami Shoten.)

## CATALOGUES.

Floras (and Kindred Subjects) of Europe, Asia, Africa, America and Australia. (Catalogue No. 188.) Pp. 16. (London: Dulau and Co., Ltd.)

Price List of Microscopical Rock Sections and Geological Accessories. Pp. 12. (London: Gregory, Bottley and Co.)

Standard Meteorological Instruments. (List M.2.) Pp. 140. (London: Negretti and Zambra.)

A Catalogue of Book Bargains. (No. 530.) Pp. 16. (London: William Glaisner, Ltd.)

## Diary of Societies.

## TUESDAY, SEPTEMBER 22.

LONDON NATURAL HISTORY SOCIETY (at London School of Hygiene and Tropical Medicine), at 6.30.—Mrs. Norman Lowe: A Rambler in Siam. QUEKITT MICROSCOPICAL CLUB (at 11 Chandos Street, W.1), at 7.

## FRIDAY, SEPTEMBER 25.

ELECTROPLATERS' AND DEPOSITORS' TECHNICAL SOCIETY (in Rehearsal Room of the Royal Albert Hall), at 3.30.—Dr. R. S. Hutton: The Rise and Early Development of Electroplating (Address).—At 7.30.—D. J. Macnaughtan: Electrodeposition and the Engineer (Address)

## CENTENARY.

## SEPTEMBER 19 TO 25.

## FARADAY CELEBRATIONS.

Saturday, Sept. 19 (at Royal Institution).—Reception.

Monday, Sept. 21, at 11.30 A.M. (at Royal Institution).—Informal Meeting. At 3.—Reception.

At 8 P.M. (at Queen's Hall).—Commemorative Meeting. Speeches by Representatives of Institutions in various parts of the world.

Tuesday, Sept. 22, at 10.30 A.M. (at Kingsway Hall).—Conference.

At 8.30 P.M. (at Royal Institution).—Conversazione.

At 8.30 P.M. (at Institution of Electrical Engineers).—Conversazione.

Wednesday, Sept. 23, at 4.30 (at Royal Albert Hall).—Faraday Exhibition.

Thursday, Sept. 24, at 3 (at National Physical Laboratory).—Garden Party.

Friday, Sept. 25, at 7.45 (at Dorchester Hotel).—Entertainment by H.M. Government.

## CONGRESSES.

## SEPTEMBER 1 TO 19.

INTERNATIONAL ILLUMINATION CONGRESS. (For Programme see NATURE, Aug. 29.)

## SEPTEMBER 13 TO 18.

INSTITUTE OF METALS. (For Programme see NATURE, Sept. 5.)

## SEPTEMBER 13 TO 19.

INTERNATIONAL MEDICAL EDUCATIONAL CONGRESS (with special reference to Balneology) (at Carlsbad).

## SEPTEMBER 16 TO 24.

INTERNATIONAL GEOGRAPHICAL UNION (at Paris).

## SEPTEMBER 18 TO 20.

NATIONAL SMOKE ABATEMENT SOCIETY. (For Programme see NATURE, Sept. 12.)

## SEPTEMBER 18 TO 21.

ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX (at Lady Margaret Hall, Oxford). (For Programme see Nature, Sept. 12.)

## SEPTEMBER 20 TO 27.

INSTITUT INTERNATIONAL D'ANTHROPOLOGIE (at Paris).—Sections: Morphological Anthropology and Study of Races; Human Palaeontology and Archeology; Eugenics and Heredity; Psychosociology and Criminology; Ethnography, Folklore, and Human Geography.

## SEPTEMBER 23 TO 25.

INSTITUTION OF MINING ENGINEERS (at Manchester).

## SEPTEMBER 23 TO 26.

INTERNATIONAL CLIMATOLOGICAL COMMISSION (at Innsbruck).

## SEPTEMBER 23 TO 30.

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (Centenary Meeting).

Wednesday, Sept. 23, at 3 (in the Royal Albert Hall).—Installation of President.

At 9 P.M. (in Central Hall).—Genl. Smuts: The Scientific World-Picture of To-day (Presidential Address).

Thursday, Sept. 24, at 10 A.M.—Sir J. J. Thomson: The Growth in Opportunities for Education and Research in Physics in the past Fifty Years (Presidential Address to Section A).

Brig.-Genl. Sir Harold Hartley: Michael Faraday and the Theory of Electrolytic Conduction (Presidential Address to Section B).

Prof. J. W. Gregory: Presidential Address to Section C.

Prof. E. B. Poulton: A Hundred Years of Evolution (Presidential Address to Section D).

Prof. A. R. Radcliffe-Brown: Presidential Address to Section H.

Sir Charles Grant Robertson: Educational Development; 1831-1931: A Centenary Retrospect and a Forecast (Presidential Address to Section L).

At 2.—Sir Arthur Smith Woodward: Geology as a Subject for Local Societies (Presidential Address to Conference of Delegates of Corresponding Societies).

At 9 P.M.—Prof. W. A. Bone: The Photographic Analysis of Explosion Flames (Evening Discourse, in Royal Geographical Society's Hall).

Sir P. Chalmers Mitchell: Zoos and National Parks (Evening Discourse, in Royal College of Music).

Friday, Sept. 25, at 10 A.M.—Prof. E. Cannan: The Changed Outlook in regard to Population, 1831-1931 (Presidential Address to Section F). Sir John Russell: The Changing Outlook in Agriculture (Presidential Address to Section M).

At 10.15 A.M.—Sir Halford J. Mackinder: The Human Habitat (Presidential Address to Section E).

At 5.—Sir Alfred Ewing: Presidential Address to Section G and Bramwell Trust Lecture.

Saturday, Sept. 26, at 9 P.M.—Sir Arthur Keith: The Construction of Man's Family Tree (Evening Discourse, in Royal Geographical Society's Hall).

Sir Oliver Lodge: A Retrospect of Wireless Communication (Evening Discourse, in Royal College of Music).

Monday, Sept. 28, at 10 A.M.—Dr. H. H. Dale: The Biological Nature of Filtrable Viruses (Presidential Address to Section I).

Dr. C. S. Myers: The Nature of Mind (Presidential Address to Section J).

Prof. T. G. Hill: The Advancement of Botany (Presidential Address to Section K).

At 3.30.—Dr. A. Macrae: Guidance in the Choice of an Occupation (Public Lecture, at London School of Economics).

Tuesday, Sept. 29, at 8.30 P.M.—Dr. G. Thilenius: Some Biological View-points in Ethnology (Huxley Memorial Lecture of the Royal Anthropological Institute).

At 9 P.M.—Sir James Jeans: Beyond the Milky Way (Evening Discourse, in Central Hall).

Dr. S. Kemp: Oceanography in the Antarctic (Evening Discourse, in Royal Geographical Society's Hall).

## SEPTEMBER 24 TO 27.

SWISS SOCIETY OF NATURAL SCIENCES (at La Chaux-de-Fonds and Le Locle).

Prof. A. Piccard: Ascent into the Upper Atmosphere in a Sealed Car attached to a Balloon (Lecture).

Dr. C. Perret: Film on the Life of Bees.

Prof. F. Arbenz: The Geological History of South Africa and Its Camp Sites (Lecture).

Prof. Pérez: Rhizocephalods Parasitic on Hermit Crabs (Lecture).