

obtained in different ways by other experimenters. G. PICCARDI: The spectrum of red stars of types *M* and *N*. Behaviour qualitatively comparable with that exhibited by red stars is shown by  $TiO$  and  $C_2$  in a flame. P. PRATESI: Condensation products of isatin with pyrroles (pyrrole blue). The behaviour of various mono-, di-, tri-, and *N*-substituted pyrroles towards isatin is described. The bearing of the results on the constitution of pyrrole blue is to be discussed later. L. PATANÉ: The behaviour of *Littorina neritoides*, L. kept in subaerial surroundings and in other experimental conditions. L. CATTANEO: The choline of the human uterus during non-pregnancy, pregnancy and confinement (relations between the choline content of the human uterus and the uterine contraction). Results are given which indicate that the hypothesis that choline is regarded as the hormone of uterine peristalsis is not justified. V. ZAGAMI: Observations on the relation between nutrition and lactation.

### Forthcoming Events

Monday, January 1

ROYAL GEOGRAPHICAL SOCIETY, at 3.30.—Miss Cynthia Longfield: "Trail-riding in the Canadian Rockies" (Christmas Lecture for Young People).

Friday, January 5

ROYAL GEOGRAPHICAL SOCIETY, at 3.30.—E. E. Shipton: "The Mount Everest Expedition" (Christmas Lecture for Young People).

CONFERENCE OF EDUCATIONAL ASSOCIATIONS, January 1-8. To be held at University College, Gower Street, London, W.C.1.

Dr. G. Dyson: "Education for Life" (Presidential Address on Jan. 1).

Discussion on "The Failure of Modern Science Teaching to Develop an Adequate Cultural Background to Life" (Jan. 4).

G. W. Olive, J. W. Stork (and others): "Biology and the School Curriculum" (Jan. 1).

Dame Helen Gwynne Vaughan: "Experimental Work on Heredity" (Jan. 2).

BRITISH ECOLOGICAL SOCIETY, January 2-4.—Annual general meeting to be held in the Botany School, Cambridge.

SCIENCE MASTERS' ASSOCIATION, January 2-5.—Annual meeting to be held at the Imperial College of Science and Technology, South Kensington, London, S.W.7.

Discussion: "School Certificate Science".

GEOGRAPHICAL ASSOCIATION, January 3-6.—Annual conference to be held at the London School of Economics, Houghton Street, Aldwych, London, W.C.2.

Prof. P. M. Roxby: "China as an Entity—the Comparison with Europe" (Presidential address, Jan. 3).

Discussions on: "The Place and Problems of Local Geography" and "Suggestions for a First School Certificate Geography Syllabus".

MATHEMATICAL ASSOCIATION, January 4-5.—Annual meeting at the Institute of Education, Southampton Row, London, W.C.1.

Prof. G. N. Watson: "Scraps from Some Mathematical Notebooks" (Presidential address).

Discussions on: "Mathematics in Central Schools" and "Teaching of Differentials" (Jan. 5).

### Official Publications Received

GREAT BRITAIN AND IRELAND

The Pharmaceutical Society of Great Britain: Codex Revision Committee. Report of Dressings Sub-Committee: Summary of the Principal Standards for Surgical Dressings recommended by the Dressings Sub-Committee and accepted, provisionally, for inclusion in the British Pharmaceutical Codex, 1934. Pp. 13. (London: Pharmaceutical Press.) 1s. 6d.

National Laboratory of Psychological Research. Bulletin 6: Official Science and Psychological Research. Pp. 47+2 plates. (London: National Laboratory of Psychological Research.) 2s. net.

Ministry of Agriculture and Fisheries, Department of Agriculture for Scotland, and Ministry of Agriculture for Northern Ireland. Reports on the Work of Agricultural Research Institutes and on certain other Agricultural Investigations in the United Kingdom, 1931-1932. Pp. 395. (London: H.M. Stationery Office.) 6s. net.

Institute of Industrial Administration: Papers of 1932-1933 Session. Pp. 55. (London: Institute of Industrial Administration.) 5s.

Borough of Cheltenham Public Library, Art Gallery and Museum. Forty-ninth Annual Report of the Public Library Committee and the Thirty-fourth Annual Report of the Art Gallery and Museum Committee, 1st April 1932 to 31st March 1933. Pp. 24. (Cheltenham.)

Amgueddfa Genedlaethol Cymru: National Museum of Wales. Twenty-sixth Annual Report, 1932-33, presented by the Council to the Court of Governors on the 20th October 1933. Pp. 44+3 plates. (Cardiff.)

The Journal of the Board of Greenkeeping Research. Vol. 3, No. 9, Autumn. Pp. viii+57-112+vi+7 plates. (Bingley: St. Ives Research Station.) 2s. 6d.

OTHER COUNTRIES

Scientific Papers of the Institute of Physical and Chemical Research. No. 454: The Influence of a Magnetic Field on a Glow-Discharge. By Toshio Takamine, Taro Suga and Asao Yanagihara. Pp. 69-96, 35 sen. No. 455: Researches on the Cutting Action of Planing Tool by Mikrokinoematographic, Photoelectric and Piezo-electric Methods. By Makoto Okoshi and Shinji Fukui. Pp. 97-166. No. 456: On Dendrite Figures produced in Liquid Films, I. By Toshimasa Tsutsui. Pp. 167-187+21 plates. No. 457: Über die Benzinsynthese aus Kohlenoxyd und Wasserstoff unter gewöhnlichem Druck, 11: Versuche über den Co-Cu-Th- und Co-Cu-U-Katalysator. Von Kenji Fujimura und Shunzo Tsuneka. Pp. 189-197. No. 458: Über die Benzinsynthese aus Kohlenoxyd und Wasserstoff unter gewöhnlichem Druck, 12: Versuche über den Co-Cu-Th-U-Katalysator. Von Kenji Fujimura und Shunzo Tsuneka. Pp. 198-201. No. 459: On the Dispersion Theory in Metallic Conductors, 2. By Yoshio Fujioki. Pp. 202-215. No. 460: Studien über den Feinbau der Seide, 5: Quellungserscheinungen an Fibrinfäden. Von Kametaro Ohara. Pp. 216-232+plates 22-27. No. 461: Studies on the Thermo-Luminescence Spectra of Fluorites, Part 1: Thermo-Luminescence Spectra of Fluorites from Obara. By Eiichi Iwase. Pp. 233-241+plates 28-30. No. 462: Über die Benzinsynthese aus Kohlenoxyd und Wasserstoff unter gewöhnlichem Druck, 13: Untersuchung über die Nickel-Katalysatoren (1). Von Kenji Fujimura und Shunzo Tsuneka. Pp. 242-247. No. 463: Über die Benzinsynthese aus Kohlenoxyd und Wasserstoff unter gewöhnlichem Druck, 14: Untersuchung über die Nickel-Katalysatoren (2). Von Kenji Fujimura und Shunzo Tsuneka. Pp. 248-253. No. 464: Über die Benzinsynthese aus Kohlenoxyd und Wasserstoff unter gewöhnlichem Druck, 15: Untersuchung über die Nickel-Katalysatoren (3). Von Kenji Fujimura und Shunzo Tsuneka. Pp. 254-258. No. 465: Über die Benzinsynthese aus Kohlenoxyd und Wasserstoff unter gewöhnlichem Druck, 16: Untersuchung über die Nickel-Katalysatoren (4). Von Kenji Fujimura und Shunzo Tsuneka. Pp. 259-263. No. 466: On a Simple Apparatus for the Determination of Melting Points, Boiling Points, Transition Points, Ignition Temperatures, etc., specially convenient for Use with a small Quantity of Sample. By Satosi Watanabe. Pp. 264-268. No. 467: On the Physical Properties of the Photoclastic Material "P-nelolite". By Masataka Nisida. Pp. 269-283. (Tokyo: Iwanami Shoten.)

Bernice P. Bishop Museum. Bulletin 101: Manual of Hawaiian Mosses. By Edwin B. Bartram. Pp. 275. Bulletin 102: New and Critical Plants from Raiatea. By John William Moore. Pp. 53. Bulletin 103: Tuamotuan Religion. By J. Frank Stimson. Pp. 154+3 plates. Bulletin 104: Archaeology of Oahu. By J. Gilbert McAllister. Pp. iii+201+12 plates. Bulletin 105: Geology of Tahiti, Moorea and Maiao. By Howel Williams. Pp. 89+8 plates. Bulletin 106: Report of the Director for 1932. By Herbert E. Gregory. Pp. 49. Bulletin 107: Pearl and Hermes Reef, Hawaii; Hydrographical and Biological Observations. By P. S. Galtsoff. Pp. 49+5 plates. Bulletin 108: Jungle Fowls from Pacific Islands. By Stanley C. Ball. Pp. 121+7 plates. Bulletin 109: Native Music of the Tuamotus. By E. G. Burrows. Pp. 107. Bulletin 110: Geology of Galapagos, Cocos and Easter Islands. By Lawrence John Chubb. With Petrology of Galapagos Islands, by Constance Richardson. Pp. 67+5 plates. Bulletin 111: The Cult of Kiho-Tumu. By J. Frank Stimson. Pp. 63. Bulletin 112: Revision of the Hawaiian Species of Peperomia. By Truman George Yuncker. Pp. 131. (Honolulu.)

India: Meteorological Department. Scientific Notes, Vol. 5, No. 54: A Note on Fog and Haze at Poona during the Cold Season. By Dr. L. A. Ramdas and S. Atmanathan. Pp. 89-96+6 plates. (Delhi: Manager of Publications.) 1.2 rupees; 2s.

CATALOGUES, ETC.

Rain Gauges and Recorders. (List 583.) Pp. 16. (London: C. F. Casella and Co., Ltd.)

"Caprokol" Brand of Hexylresorcinol. Pp. 4. Radiostol. Pp. 13. (London: The British Drug Houses, Ltd.)

Galvanometers: Photographic Recording Apparatus: Galvanometer Accessories. (Galvo 33.) Pp. 24. (Delft: P. J. Kipp en Zonen.) Calendar for 1934. (London: F. E. Becker and Co.)