were made also on heavy corpuscular rays, the liberation of which by ultra-radiation appears established; these have ranges of 0.6 cm. to at least 5.5 cm., calculated to 15° C. and 760 mm. pressure, but their nature and the mode of their formation remain unknown. FRIEDRICH LAUSCHER: Thermal radiation and restriction of horizon. Radiation of basins, valleys and lanes. (1) A general method for deducing the radiation from any surfaces.

Forthcoming Events

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

Saturday, December 15

BRITISH PSYCHOLOGICAL SOCIETY, at 3. Annual General Meeting.

Sunday, December 16

British Museum (Natural History), at 3 and 4.30.-M. A. Phillips: "Fossil Mammals".*

Monday, December 17

BRITISH MUSEUM (NATURAL HISTORY), at 11.30.—Dr. W. T. Calman: "The Shipworm".*

ROYAL GEOGRAPHICAL SOCIETY, at 5.-Discussion on "Population Maps" to be opened by Prof. C. B. Fawcett.

Tuesday, December 18

EUGENICS SOCIETY, at 5.15—(at the Linnean Society, Burlington House, W.1).—Dr. Shepherd Dawson: "Disease and Intelligence".

Wednesday, December 19

BRITISH SCIENCE GUILD, at 5 (at the Royal Society of Arts, John Street, Adelphi, London, W.C.2). Col. M. O'Gorman: "Bringing Science into the Road Traffic Problem".

Official Publications Received

GREAT BRITAIN AND IRELAND

Department of Scientific and Industrial Research. Industrial Research Exhibit: a Guide to Stands 6 to 34, Cardiff Engineering Exhibition, 1934, under the auspices of the South Wales Institute of Engineers. Pp. 20. (London: Department of Scientific and Industrial Research.)

Proceedings of the Third International Locust Conference, London, September 18, 1934. (Cmd. 4725.) Pp. 184. (London: H.M. Stationery Office.) 3s. 6d. net.

Year Book of the University Catholic Societies Federation of Great Britain, 1934–1935. Pp. 96. (Glasgow: Hon. Secretary, 13 Fortrose Street.) 1s.

Britain, 1934-1935. Pp. 96. (Glasgow: Hon. Secretary, 13 Fortrose Street.) 1s.
Rothamsted Experimental Station, Harpenden: Lawes Agricultural Trust. Report for 1933. Pp. 200. (Harpenden: Rothamsted Experimental Station.) 2s. 6d.
Natural Science and Archæology Society, Littlehampton. Reports of Proceedings, 1933. Pp. 22. (Littlehampton.)
Department of Scientific and Industrial Research. Report of the Fuel Research Board for the Year ended 31st March 1934; with Report of the Director of Fuel Research. Pp. vii+178. (London: H.M. Stationery Office.) 3s. net.
University of Durham. Abstracts of Theses for Doctorates presented by Candidates who have received the Degrees in Convocation during the Academical Year 1933-1934. Pp. 12. (Durham.)
Transactions of the Royal Society of Edinburgh. Vol. 58, Part 1, No. 11: The Early Stages in the Development of the Ferret; Fertilisation to the Formation of the Prochordal Plate. By Dr. William J. Hamilton. Pp. 251-278+7 plates. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.) 6s.
The Royal Technical College, Glasgow. Annual Report on the One Hundred and Thirty-eighth Session adopted at the Annual Meeting of Governors held on the 16th October 1934. Pp. 84. (Glasgow.)
The North of Scotland College for the Year 1933-34. Pp. 36. (Aberdeen.)

(Aberdeen.)

(Aberdeen.)

A Review of the Experimental Working of the Five Days Week by Boots Pure Drug Company at Nottingham. By Sir Richard A. S. Redmayne. Pp. 70. (Nottingham: Boots Pure Drug Co., Ltd.) 1s. The Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 13: The Measurement of the Current generated by Rectifler Photo-Cells. By H. H. Poole and W. R. G. Atkins. Pp. 133-139. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 6d.

Geography, April 28, 1934. Pp. 11+36. (Washington, D.C.: National Research Council.)

Descriptive Catalogue of the Collection of Microscopes in charge of the Utrecht University Museum, with an Introductory Historical Survey of the Resolving Power of the Microscope, by P. H. Van Cittert. Pp. 110. (Groningen: P. Noordhoff.) 2.90 f.

Bulletin of the American Museum of Natural History. Vol. 67, Article 8: Chalicotheres from Mongolia and China in the American Museum. By Edwin H. Colbert. Pp. 353–387. (New York City.)

Journal of Science of the Hiroshima University, Series B, Div. 2 (Botany). Vol. 2, Article 2: Monographia Hepaticarum Australi-Japonicarum. By Yoshiwo Horikawa. Pp. 101–325+plates 11–21. (Tokyo: Maruzen Co., Ltd.) 2,10 yen.

Canada: Department of Mines: Mines Branch. Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories), January to June 1933. (No. 743.) Pp. iii+157+4 plates. (Ottawa: Government Printer.)

Carnegie Institution of Washington. Publication No. 415: Contributions to Palæontology—Studies of the Pleistocene Palæobotany of California. Pp. iii+179+31 plates. (Washington, D.C.: Carnegie Institution.)

CATALOGUES

Forced_Air Circulation Furnaces. Pp. 12. (London: Wild-Barfield

Electric Furnaces, Ltd.)
Catalogue de Livres anciens et modernes rares ou curieux relatifs à l'Orient. (No. 28.) Pp. 62. (Paris: Libr. Adrien-Maisonneuve.)