

which a summary is given in the last number of the *Matériaux pour l'Étude des Calamités* (pp. 156-165; 1931). The total area appropriated for new streets and parks is 914 acres in Tokyo and 89 acres in Yokohama, and of this, one-tenth was taken from the previous owners without compensation. In Tokyo, three classes of streets have been laid down. In those with much traffic, the total length is 73 miles; no street is less than 80 ft. wide, and some for short distances are as much as 108 ft. and 144 ft., and one even 252 ft. wide. Those with a moderate amount of traffic have a total length of 86 miles and a width varying from 36 ft. to 72 ft. Four hundred bridges have been restored so as to resist both fire and earthquakes. The value of open spaces was well shown in 1923. Accordingly, three large parks have been made with a total area of nearly 50 acres, and 51 small ones with an area of 37 acres, the latter being usually near primary schools, for which they serve as playgrounds.

Absorption Spectrophotometry

MESSRS. Adam Hilger, Ltd., 98 King's Road, London, N.W.1, have issued a bound book of eighty pages dealing with the theory and practice of absorption spectroscopy (price 5s. net, postage 3d.). It contains a brief theoretical introduction, then thirty-two pages of description of Hilger apparatus and description of technique, including work in the ultra-violet, visible, and infra-red regions, with a note on photoelectric methods, and the rest of the book deals with applications, particular attention being directed to biological aspects and analysis. This contains references to original literature. A companion volume, entitled "Recent Applications of Absorption Spectroscopy" (price, bound, 3s. 6d., postage 2d.), published by Messrs. Hilger, provides a very complete and carefully classified account of the literature from 1922 to 1931, with useful notes. The two publications form a handy yet compendious guide to the practice and literature of spectrophotometry in all parts of the optical spectrum, and may be recommended to all interested in this branch of science.

Health of the Navy in 1930

THE health of the Navy during 1930 appears to have been remarkably good, judging by the details contained in the "Statistical Report" for the year, recently issued by the Admiralty (London: H.M. Stationery Office. 2s. 6d. net). The total number of cases of disease and injury in a force of 88,840 men was 38,031, a marked decrease on the previous year and in comparison with the five years' average. Venereal diseases head the list of admissions with 5154 cases, respiratory catarrhs (4378 cases) and tonsillitis (2429 cases) coming next, apart from local injuries and wounds, which numbered 7238 cases. There were only 36 cases of alcoholism, 11 cases of typhoid and paratyphoid fevers, and 5 cases of Mediterranean fever.

Announcements

THE Masters' Memorial Lectures of the Royal Horticultural Society will be delivered in the lecture

room of the Society's new hall in Greycoat Street, Westminster, on May 10 and 11, at 3.30 P.M., by Sir Frederick Keeble, on "Garden Fertility: its Origin and Maintenance".

THE Royal Society of Edinburgh announces that the Keith Prize for the period 1929-31 has been awarded by the Council to Dr. A. W. Greenwood, lecturer in the Institute of Animal Genetics, University of Edinburgh, for papers on the biology of the fowl; and the Neill Prize for the period 1929-31 to Dr. C. H. O'Donoghue, reader in zoology in the University of Edinburgh, for papers on the blood vascular system, and for earlier work on the morphology of the *corpus luteum*.

LIEUT.-COL. F. C. SHELMEKDINE, Director of Civil Aviation, opened an exhibition of aerial photographs by Aerofilms, Ltd., on Tuesday, May 3, at the Camera Club, 17 John Street, Adelphi, W.C.2. The exhibition will remain open to the public until May 31 daily from noon until 6 P.M. Examples are shown of the application of aerial photography to archaeological and geological research, general survey work, town planning, and many other problems.

Australian Science Abstracts, a quarterly publication issued by the Australian National Research Council, Sydney, is a useful guide to investigations dealing with many aspects of Australian scientific activity—anthropology, zoology, botany, and physiology; veterinary science, agriculture, and economics; geology, geography, chemistry, and engineering. The subscription price is 4s. a year, including postage.

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:—An assistant physicist in the Radiological Department of the Cancer Hospital, Fulham Road—The Secretary, Cancer Hospital (Free), Fulham Road, S.W. (May 12). A full-time teacher, mainly for science or mathematics in the Junior Technical School, Horwich, and for engineering subjects in the Technical College—The Secretary, Railway Mechanics' Institute, Horwich (May 13). A pathologist for certain of the Liverpool Corporation Hospitals—The Town Clerk, Municipal Offices, Liverpool (May 14). A director of education of the Polytechnic, Regent Street—The Clerk to the Governors, The Polytechnic, 309 Regent Street, W.1 (May 21). A principal of the Cordwainers' Technical College—The Clerk to the Board of Management, Cordwainers' Hall, 7 Cannon Street, E.C.4 (May 24). An assistant keeper on the higher staff of the Victoria and Albert Museum—The Director and Secretary, Victoria and Albert Museum, South Kensington, S.W.7 (May 31). Assistant lecturers in, respectively, philosophy and physics at the University College of Swansea—The Registrar, University College, Singleton Park, Swansea (June 4). A student probationer (zoologist or physiologist) at the Marine Biological Laboratory, Plymouth—The Director, Marine Biological Laboratory, Plymouth (June 10). A borough electrical engineer to the Durban (South Africa) Corporation—The Town Clerk's Office, Durban, Natal, South Africa (July 15).