

107 pp. - 23 pl. Ill. — H. M. Stationery Office, London, 1934 — Price : 4s. 6d. Net.

In this publication the Director-General of the Ordnance Survey has given a detailed historical account of the method of construction of different cadastral plans of British territory during the past century, which forms a continuation of Colonel CLOSE's publication entitled: *Early Years of the Ordnance Survey*. A chronological list shows the most remarkable features in the history of this Service from 1820 to 1934.

The chapter: *Report on the Progress of the Ordnance Survey to 31st March 1914*, included in the Annual Report of the Survey 1913-1914, gives details concerning the organisation and general functions of the Ordnance Survey: information on the same subject is contained in a work edited in 1902 by Colonel DUNCAN: *Account of the Methods and Processes adopted for the Production of the Maps of the Ordnance Survey of the United Kingdom*. This generally informative work gives in particular notes concerning the trigonometrical survey of the United Kingdom; levelling, field operations, design of the topography, engraving on copper plates, various methods of photographic reduction and the method of printing by zincography and photo-zincography, the anastatic method, method adopted for electrotype, etc...

Among the fundamental works relating to surveys published by the Ordnance Survey may be mentioned the *Text Book of Topographical and Geographical Surveying* by Colonel C. F. CLOSE, revised in 1913 by Captain E. W. Cox, Geographical Section of the General Staff. This publication is accompanied by numerous tables.

H. B.

TIDES AND CURRENTS IN NEW YORK HARBOR

by

H. A. MARMER, ASSISTANT CHIEF, DIVISION OF TIDES AND CURRENTS.

(Special Publication No. III of the Coast and Geodetic Survey - Revised (1935) Edition
200 pp. 48 figures and diagrams - 70 tables).

Edited by Mr. H. A. MARMER, Assistant Chief of the Division of Tides and Currents of the U. S. Coast and Geodetic Survey, this handbook combines and presents in a particularly convenient form, all the elements necessary for a comprehensive study of so vast a question.

This publication is a revision of the volume under the same title which was issued in 1925. Since that time there has been a very considerable increase in the tide and current data relative to New York Harbor in consequence of new complete tide and tidal current surveys carried out in 1932 conjointly by the Coast and Geodetic Survey and by the United States Engineer Office, New York.

The publication under review includes the results of those surveys and also of previous tide and current observations in the same area. Numerous sketches show the positions from which the observations were taken, on the shore for heights and in the bay for currents. Thus all the rather complex detail of tidal phenomena in New York Harbor has been grouped in the form of statistics in a single volume which will certainly be of great service to all interested in this subject, i. e. not only to the seaman and to the engineer, but also to all those interested in the scientific study of tides.

Numerous tables are given among which may be mentioned those relating to the Harmonic Analyses of Tides, Tables of new constants for Fort Hamilton, 1928, for Willets Point, 1932, and tables giving Current Constant Harmonics for Scotland and Ambrose Light-vessels, the Narrows, Hudson River, Lower East River, and Upper East River.