

BOOKS IN REVIEW

**ATLANTIC OCEAN ATLAS
TEMPERATURE AND SALINITY PROFILES
AND DATA FROM THE INTERNATIONAL GEOPHYSICAL YEAR OF 1957-1958**

by F. C. FUGLISTER

209 pages; 43.5 × 31.5 cm; Woods Hole Oceanographic Institution,
Woods Hole, Mass., 1960

Within the framework of the observational programme of the IGY, the Woods Hole Oceanographic Institution, in partial association with the National Institute of Oceanography, England, performed a methodical oceanographic survey covering most of the Atlantic Ocean, on oceanic circulation. These observations, together with other observations already made, are presented in this atlas in the form of temperature and salinity profiles as functions of the depth and the ship track position.

In the chapter "Treatment of Data", the author indicates the accuracy of the measurements made, as well as the way in which the positions and the depths were obtained.

The atlas contains 4 figures of profiles of surface layer temperatures, 18 figures of temperature profiles, 18 figures of salinity profiles, hydrological data from various stations and bathythermograph data.

**TRANS-ANTARCTIC EXPEDITION 1955-1958
SCIENTIFIC REPORTS No. 4
TIDES AT SHACKLETON, WEDDELL SEA**

by J. G. D. PRATT

21 pages; 3 figures; 9 tables; 30.5 × 24 cm
published by The Trans-Antarctic Expedition Committee
22 Gayfere Street, London, S.W. 1, 1960

All the usual methods of observation of the sea tide being unworkable at Shackleton Base, because no stable data could be relied upon, the author used a very original method of tide observation: a gravimeter installed on a freely floating ice shelf, the readings of which were photographed hour by hour. The

least square method was applied to the observations and seven principal harmonic constants were obtained, thus enabling predictions to be made. The publication is divided into three parts : field work, preparation of the observations, harmonic analysis.

AVIATION CARTOGRAPHY
A HISTORICO-BIBLIOGRAPHIC STUDY OF AERONAUTICAL CHARTS

by Walter W. RISTOW

245 pages; 26 × 20 cm; 1 Vol.; Library of Congress, Washington, 1960
Price : 1.60 US dollars

Aviation cartography is one of the most recent branches of cartography. Less than 60 years ago the idea of special charts for aviation was put forward, and the first ones were published 50 years ago.

The extraordinary development of aeronautical charts is reflected in the great number of books there are about them, of which this is one.

To make this bibliography more useful, the references have been analyzed and the most pertinent extracts of this book make up the basis of the historical summary of aviation cartography.
