

IV. MISCELLANEOUS :

Humidity of the air.

Vapour pressure of the water.

Conversion of degrees Centigrade and Réaumur into degrees Fahrenheit and *vice versa*.

Temperature corrections to barometer readings.

Conversion of English inches into millimetres.

Correction of atmospheric pressure.

Conversion of millimetres into millibars.

Comparative table of the Beaufort Scale.

True force and direction of the wind calculated from the apparent force and direction relative to the ship under way.

Weight of a metre of cable, breaking strain and working load.

Breaking strain and maximum load of a joining shackle with bolt.

Maximum load of studless chain cable in kilograms.

Comparative table of the different units of length.

Conversion of English into Metric measures and *vice versa*.

Weights and measures.

Comparative table of Metric and English measures.

Measures of timber.

Weights and volumes of the principal stores.

Weights and volumes of grain.

Table of certain common numbers and units.

(Tables 32 to 58).

V. SUPPLEMENT :

Tables by J. Y. DREISONSTOK (Navigation Tables for Mariners and Aviators). (Tables I and II).

These tables have been included by agreement with the author.

NOMOGRAMS FOR USE IN NAVIGATION

(Publication No 227 of the Hydrographic Department, Tokyo, 1933).

This publication of the Hydrographic Department of the IMPERIAL JAPANESE NAVY contains sixteen tabulations, each giving a nomographic abacus by aligned positions from which may be rapidly obtained the various elements most frequently used in navigation such as, for instance, distance run at various speeds during a certain number of hours and minutes, all the problems of position by dead reckoning, distance from an object by measurement of a subtended arc, correction of W/T bearings, problems relating to azimuth, altitude and amplitude, hours of rising and setting, etc.

COMPLETE 60° STAR LISTS FOR POSITION FIXING BY THE EQUAL ALTITUDE METHOD

by

WELD ARNOLD.

Publication No. 4 of the American Geographical Society School of Surveying.

(In 4to - 430 pages - New York - 1930)

The object of this book is to render unnecessary the computation of an observation programme before beginning work with the prismatic astrolabe or REEVES' prism attachment for theodolites. The range of latitude is from 60° North to 60° South. The stars used are all those in the American, British and French Ephemerides for which ten-day places are given in the edition of 1930.