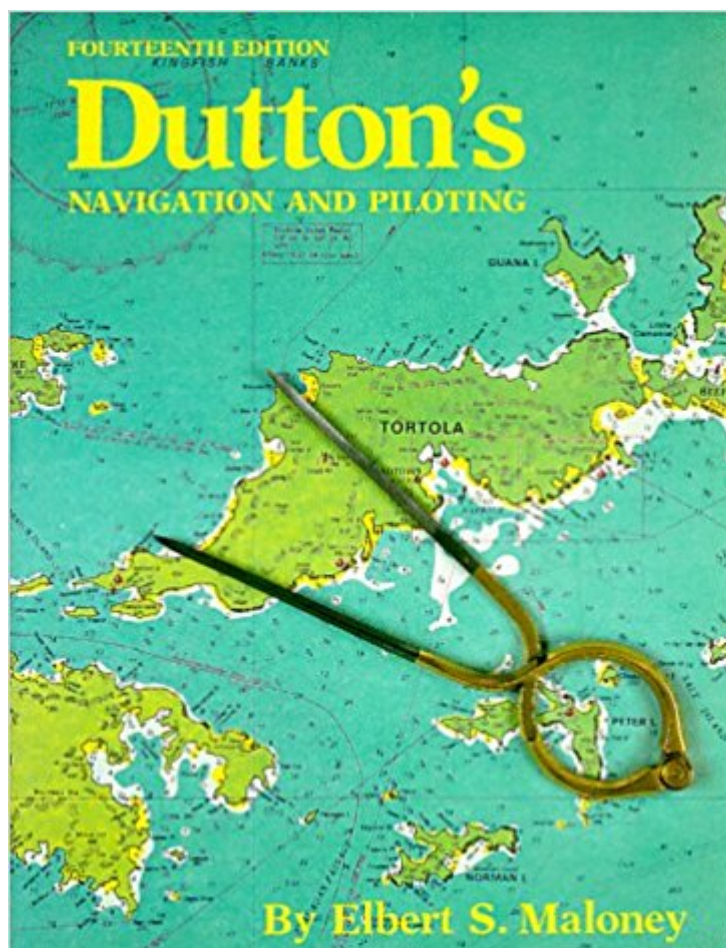


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# Dutton's Navigation And Piloting



## Synopsis

Covers geographic coordinates, compasses, dead reckoning, tides, currents, radar piloting, and celestial, satellite, inertial, omega system, and computer navigation.

## Book Information

Hardcover: 52 pages

Publisher: Naval Institute Press; 14th edition (April 1985)

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Shipping Weight: 4.4 pounds

Average Customer Review: 4.7 out of 5 stars [See all reviews](#) (31 customer reviews)

Best Sellers Rank: #2,384,737 in Books (See Top 100 in Books) #49 in [Books > Sports & Outdoors > Outdoor Recreation > Sailing > Navigation](#) #3772 in [Books > Engineering & Transportation > Transportation > Ships](#) #5622 in [Books > History > Military > Naval](#)

## Customer Reviews

Dutton's is well illustrated and clearly written and it covers a lot of ground. However, it is full of technical errors. When I was writing a sailings application I worked the example problems in the sailings section of the book and was distressed to find they were full of mistakes. Later, when I took my Captain's course I spoke about this with the navigation instructor there and he claimed that he never used Dutton's examples because the problems are wide spread. So, I'd suggest reading Dutton's for the prose and then going to Bowditch if you need the math. This is all a bit sad as Dutton's is a text book and into it's 15th edition.

This book is very complete covering all aspects of navigation from simple pilotage to gyro compass. The approach is always didactic and very complete describing f.i. not less than 4 methods of sight reduction for Astro Navigation. Although written for merchant navy, it is also suitable for small craft navigation.

Dutton's is a good intro for anyone who dreams of being a sailor, or actually intends to do something about it someday. It is arranged in logical style and the material is presented in straightforward and easily understandable terms. Such details as tides, currents & piloting as well as the more esoteric

matters of Hyperbolic, Celestial and Bathymetric Navigation are explained. Having finished Dutton's, the actual or would-be sailor/navigator will be ready to pick up a copy of Bowditch and head down to the sea.

Alright I've been studying and writing notes on this book for a while. From a testing standpoint it's not so good. There is so much in it you will NOT be tested on or need to know for your captains-unlimited mate etc. It does well to explain things and understand them more especially when you take the tests most of the time you're just memorizing a question and answer but have no idea what's going on. Bad for actually taking the test Good for having a deeper understanding of subjects on or related to testing.

The essentials to celestial navigation are a sextant, the current nautical almanac, and an accurate timepiece correctible to Greenwich Mean Time (Coordinated Universal Time.) Given those things and some basic instruments and charts, and of course the requisite knowledge and skills to use them, you can find your way on the trackless oceans of the world. If you lack the knowledge and skills to use the above instruments and objects, you can learn to use them, with the application of the necessary diligence and intelligence, in either of two volumes, this one and the 'American Practical Navigator.' The latter comes in two volumes, and is published by the U.S. government (Defense Mapping Agency Hydrographic Center). Both volumes are used as textbooks by the United States Naval Academy and the United States Power Squadrons, to teach celestial navigation. I am a full certificate member of the latter organization. I recommend them to you. Joseph Pierre, N Author of THE ROAD TO DAMASCUS: Our Journey Through Eternity

I purchased this to learn celestial navigation, along with a second-hand copy of the thirteenth edition (edited by Elbert Maloney). While the material appears largely similar, I have found several errors in the 15th edition that are not in the earlier edition, and was unable to find online any form of errata, or notification of corrections in later printings. For example: Fig. 2513, illustrating the use of "Double second difference and correction", the example called out, which should be printed with a trailing dot (as described in the text) does not, in fact, have the dot, which is quite confusing for someone looking. The corresponding figure (#2404e) in the 13th edition clearly has the dot. Another example: Section 2103 has an example for calculating the SHA of Venus. This example is wrong. Again contrast with the corresponding example (#2004) in the 13th edition, which is different (and correct). Rather disappointing that the new edition, rather than correcting previous errors, introduces

rather blatant new ones.

I purchased this book for a maritime class I'm taking; Coastal Piloting. This is a really great book for anyone looking to start with the basics of learning maritime and seamanship. I'm pretty sure I'll keep this book for a long, long time... probably until I pass it down to someone else.

Bought used and received a book that looked brand new. A must have for the professional mariner and excellent info for anyone interested in maritime navigation. Great study aid for MMC test prep as well.

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