

ILLUSTRATING SHADOWS

illustratingshadows at yahoo.com

www.illustratingshadows.com (primary)

www.geocities.com/illustratingshadows (secondary)

First, thank you for acquiring this book. This book was designed with the web site in mind. Please use the web site for updates or clarifications. You may wish to join the North American Sundial Society, whose web site is accessible on this book's web site.

Please check:

www.illustratingshadows.com/reference

regularly for updates, typos, clarifications, or corrections, and download the articles, templates, or spreadsheets you desire.

That page provides links to the following which you may access directly:

- The acrobat file (what you are reading) of all updates is:
www.illustratingshadows.com/reference-updates-2ed2pr.doc
- An all purpose spreadsheet covering most dialing functions is:
www.illustratingshadows.com/reference-spreadsheets.xls

Please click on the VRML link on the main web page to see how to add a VRML browser easily that works and then to view some manipulatable 3d dials on the internet!

A backup web site is:-

www.geocities.com/illustratingshadows/reference

Simon Wheaton-Smith
Silver City
New Mexico
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**Second Edition updates
Third Printing**

This has 308 pages

This printing is on sale now

IMPORTANT

none

RELEVANT

typo p93 fig 10.1 in chapter 10, the word AUXILIARY POLAR DIAL should say AUXILIARY EQUATORIAL, AND A POLAR DIAL or AUXILIARY EQUATORIAL DIAL or as attached. 8/19

TRIVIAL

typo p23 add if west of standard meridian
subtract if west of standard meridian

should say

add if west of standard meridian
subtract if east of standard meridian

typo p35 "the equinoxes (June 21 and December 21, approximately)." should read "the equinoxes (March 21 and September 21, approximately)."

typo p36 equinoctial line and is sloped because the wall does **not** run purely east to west. 9/13/05

typo p38 figure 5.5 has two pictorials, the one on the left should have a note stating that the hours depicted when drawn from the pole's base produce hours that are NOT the same from day to day 2/16/06.

typo p60 for the meridian dial, second paragraph, "and its distance from noon" should read "and its distance from 6am or 6pm"

typo p75 top right figure, switch winter and summer solstice 2/19/06

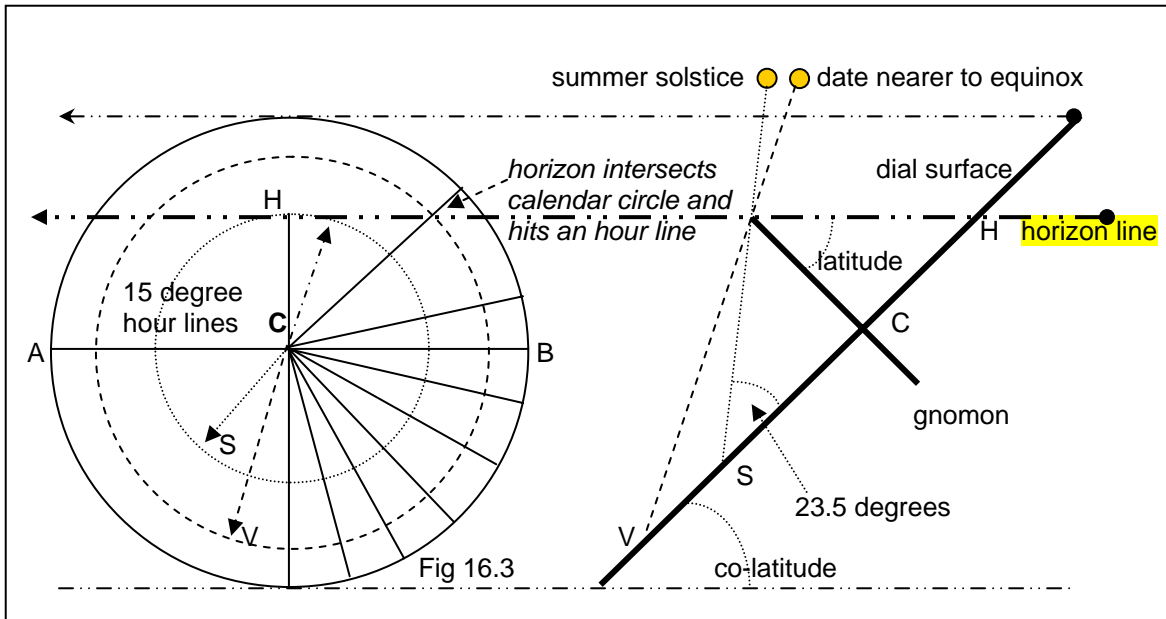
typo p156 top right figure, switch winter and summer solstice 2/19/06

typo p263 figure A6.2 has the 23.5 degree arc a bit too far to the right. This figure is correct in the chapter on declination lines earlier in the book see a couple of pages later in this update.

typo p198 the decimal mm.ss should simply say mm.ss 2/19/06

typo p199 the decimal mm.ss should simply say mm.ss 2/19/06

The correct figure for figure 16.3 and A6.2



This had the 23.5 degrees in the wrong place, the above is the correct figure.

KEY UPDATE: Illustrating Shadows has some notes on altitude and azimuth dials not being latitude portable. The following note is more accurate. 11/1/06

Hour angle dials use the hour angle around the style and can easily be latitude corrected by tilting. Italian and Babylonian hours are not corrected when a dial is tilted because they depend on the Earth's curvature [which causes sunset/rise] at a specific latitude. Azimuth and altitude dials may be ported across latitudes but rigid polar alignment must be retained.