



# ILLUSTRATING SHADOWS

[www.illustratingshadows.com](http://www.illustratingshadows.com)  
[www.geocities.com/illustratingshadows](http://www.geocities.com/illustratingshadows) (backup)

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 or British Sundial Society, or both.

**Please check:** [www.illustratingshadows.com/reference](http://www.illustratingshadows.com/reference) regularly for any updates, typos, clarifications, or corrections, and download the articles, templates, or spreadsheets, or DeltaCAD programs you desire. Feedback is welcomed, and any fine tuning not only appears in the update page, but also in subsequent copies of the book. That page provides links to the following which you may access directly:

- [Updates for the all editions and print runs](#)
- [An all purpose spreadsheet covering most dialing functions is:   
\[www.illustratingshadows.com/reference-spreadsheets.xls\]\(http://www.illustratingshadows.com/reference-spreadsheets.xls\)](#)

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 updated in case the main web site is down for whatever reason, it is:-

[www.geocities.com/illustratingshadows/reference](http://www.geocities.com/illustratingshadows/reference)

The first edition had a number of errors, mostly due to making "one last change" and unwittingly losing 3 weeks of final edits. Everyone who purchased that first edition got a free copy of the second edition. The second edition and third editions were similar, the third edition had some insights into the next book. All purchases get a CD with many CAD, JPG, XLS, BAS, and PDF files of interest. The web site has animated as well as user manipulated vrml models to enhance learning. And some exciting new projects are planned, this web site has been anything but static, and the book seems to have life of its own.

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

**NOTE:** Please check the updates for your edition as well as for the latest edition, because that way you will get the best scoop on any remaining corrections.

Please send your feedback or comments to the author. And once again, thanks for acquiring the book.

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Silver City  
New Mexico  
March 16, 2008



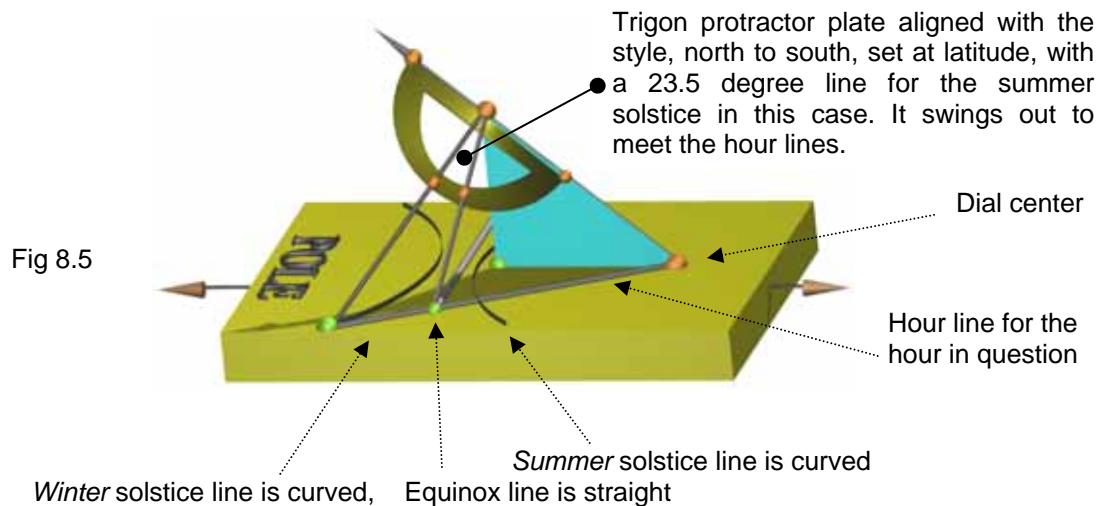
APPLICABLE TO ALL EDITIONS PRIOR TO MAY 2007 PRINT RUN

ILLUSTRATING SHADOWS

**Figure 8.5** The *solstice naming* was the wrong way round

4/11/07

The trigon's protractor plate could be turned sideways, and then lines marked up and down by 23.5 degrees for the winter and summer solstices.



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ILLUSTRATING SHADOWS

DeltaCAD Macros

June 3, 2007

Some DeltaCAD macros (the horizontal dial macros) had cases where for some longitude differences, the extreme hour line could be drawn on the wrong side of the boundary box. Please download the revised versions, which also have an extra decimal point in the printed angles, as well as the ability to do north as well as south hemisphere dial plate designs.

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ILLUSTRATING SHADOWS

minor typo

December 31, 2007

Page 175 of book 1 (Illustrating Shadows) has "RECLINES 30" and "INCLINES 60" as spurious text. The PDF version has this corrected, the printed edition does not. This was caused by a bug in Microsoft Word.

APPLICABLE TO ALL EDITIONS PRIOR TO 2008 printing  
ILLUSTRATING SHADOWS  
minor typo

March 16, 2008

DL significant digits. Most people using these tables and spreadsheets do not use, nor do they need to use the DL figures. However, just in case...

Page 115 in chapter 12

3/16/08

The DL shows 1.2 hours (1hr 12 m) and it should be 1.28 hours and 1hr 17m

Page 156 in chapter 16

3/16/08

The DL shows 1.2 hours and it should be 1.22

Page 250-270 in appendices

3/16/08

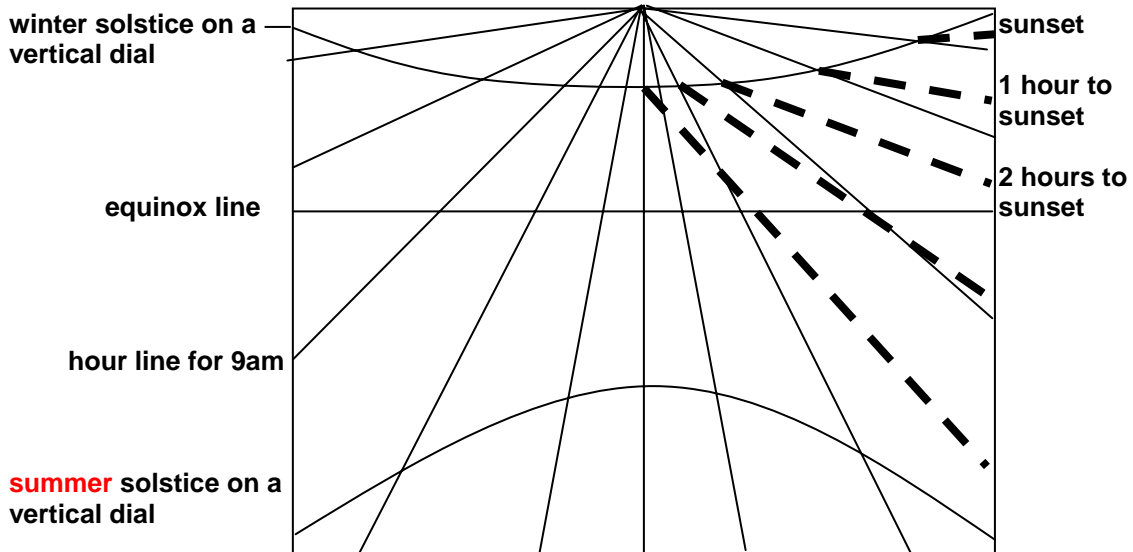
The appendices for decliners and great decliners were 1 significant digit, they are now 2 significant digits. And the spreadsheets for them have been updated and are in the "b1" folder on the web site.

APPLICABLE TO ALL EDITIONS PRIOR TO 2008 printing  
ILLUSTRATING MORE SHADOWS  
minor typo

December 31, 2007

Page 89 of book 2 (Illustrating More Shadows) had the words "winter solstice" on both the winter and the summer curves, it should be corrected to match the following.

#### A VERTICAL DIAL WITH SOME ITALIAN HOUR LINES



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ILLUSTRATING MORE SHADOWS  
minor typo

February 3, 2008

Page 217 has a C program with the line:-

```
printf ("Uncorrected hour line angles \n" );
```

which should read:-

```
printf ("Corrected hour line angles \n" );
```