

About Guy Ottewell

Universal Workshop publishes the works of Guy Ottewell, author of several astronomy and human rights titles. Guy currently resides in England and has lived and worked on several continents. His interest in astronomy came from sleeping out under the stars in the Middle East and, later, learning traditional star-lore among the Navajo Indians of Arizona. He is the founder of the Amnesty International groups of Greenville, South Carolina, and Lyme Regis, England.

The Thousand-Yard Model or The Earth as a Peppercorn

Author- Guy Ottewell

Description: 8.5 x 9.5 in., 16 pages, color painting on cover, illustrations. 1989; 5th printing with revisions 2004. **Club Cost: \$10.00**

Instructions for using common objects such as nuts to make a solar-system model, over a distance of 1000 yards. It could be called a Model, Walk, or Happening. Tested many times with groups of children, who invariably are spellbound by the incredible distances. Since it also leads to a vivid grasp of light-years, star sizes, etc., it is an ideal opener to any astronomy course.

This description was twice printed in magazines, and was revised and reprinted as a booklet because there are so many requests for copies of it. The exercise is now performed annually or monthly by some astronomy clubs and at the American Museum of Natural History, New York; has been proposed as an installation in the city of Portland, Oregon; and we know of it being done in Peru, Guadeloupe, Iceland, and along a kilometer of the Great Wall of China.

To Know The Stars

Author- Guy Ottewell

Description: 8 1/2 x 11 in., 41 pages, color cover, illustrations. 1983; 14th printing 2007. **Club Cost: \$12.00**

This is an introduction to the night sky, for children and other beginners; written in very simple language, and tested on delighted children down to the age of eight.

At the outset they are told how to set about viewing the stars; the "dome" picture on the back cover helps in understanding how the sky rolls from east to west. Then for each month there is a simple but vivid sky map; the facing text makes two or three constellations per month stick in the memory, by telling their stories and a few other things

about them-in January, Orion and Taurus and the Pleiades; and so on around the sky.

Other concepts are woven in: the Milky Way, leap-days, the ecliptic and zodiac, meteor showers, the Pole, midsummer, changing clocks, dark trenches in the sky and "silly little constellations" . . . A "Quiz" in September is one of the ways of making it fun. After these monthly pages, there are 14 rather packed pages to turn to for "more explanation"; they amount to a gentle beginning textbook of astronomy. The usually confusing business of the sky's changing appearance is cleared by starting from the simplest truth-space with the far-off stars in it-and only then adding the things that complicate it: Sun, Earth, Earth's motions and atmosphere and curvature.

A list of the Top Twenty stars (with their personalities) leads into more about stars: their color, distances, sizes. There is something on observing conditions, naked eye vs. binoculars vs. telescopes, astronomy vs. astrology, Greek letters, distances and angles; there is a glossary of terms, and a short list of further reading. The new edition has color paintings on front and back covers.

Astronomical Calendar 2015

Author- Guy Ottewell

-- Description: 11 x 15 in., 84 pages, many illustrations. **Club Cost: \$32.00**

This famous atlas-sized annual book is the most widely used and most attractive guide to what will happen in the night sky throughout the year.

Each page is the size of three or four of an ordinary book, allowing large spreads of mixed diagrams and text.

The *Astronomical Calendar* has been published continuously since 1974, and is used by about 20,000 (amateurs, telescope-owners, clubs, teachers, planetariums, libraries, enjoyers of the sky) in over 100 countries.

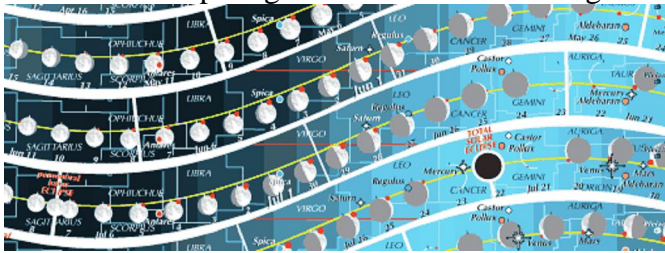
An introduction explains how to use the various components of the book and, if you are a beginner, what to select at first (since there are so many levels of information). For each month there is a large map of the evening sky; facing it, a diary of 40 or so events, many with paragraph-long descriptions.

Other features on the monthly pages are diagrams of where the planets are in their orbits, "Constellation Clues," "Telescopic Tour", "Observer's Highlights," and sketches of the most striking sky scenes.

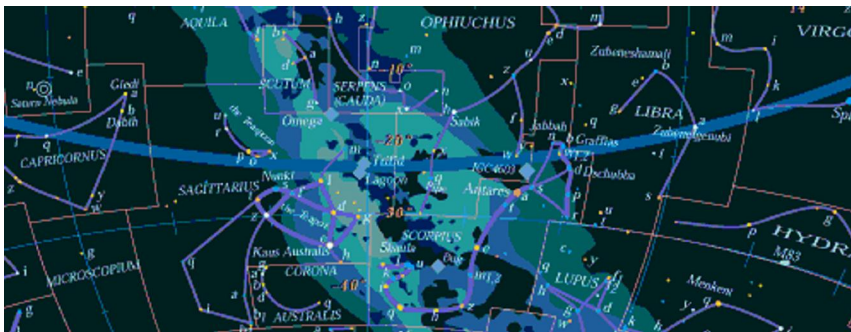
Supplementary sections include Highlights of the Year, The Sun, The Moon, Special Moons, Young Moon and Old Moon, Eclipses, Occultations, each of the planets, Asteroids, Comets, Meteor Showers, Spaceflight, Deep-Sky Profiles, Light Pollution, Glossary, Magnitude and Elongation, Rising and Setting, Quick Reference, and a colored

centerfold all-sky map. Some features are contributed by experts Fred Schaaf, Clifford Cunningham, Alastair McBeath, Alan Hale, Joe Rao, and Richard Nugent.

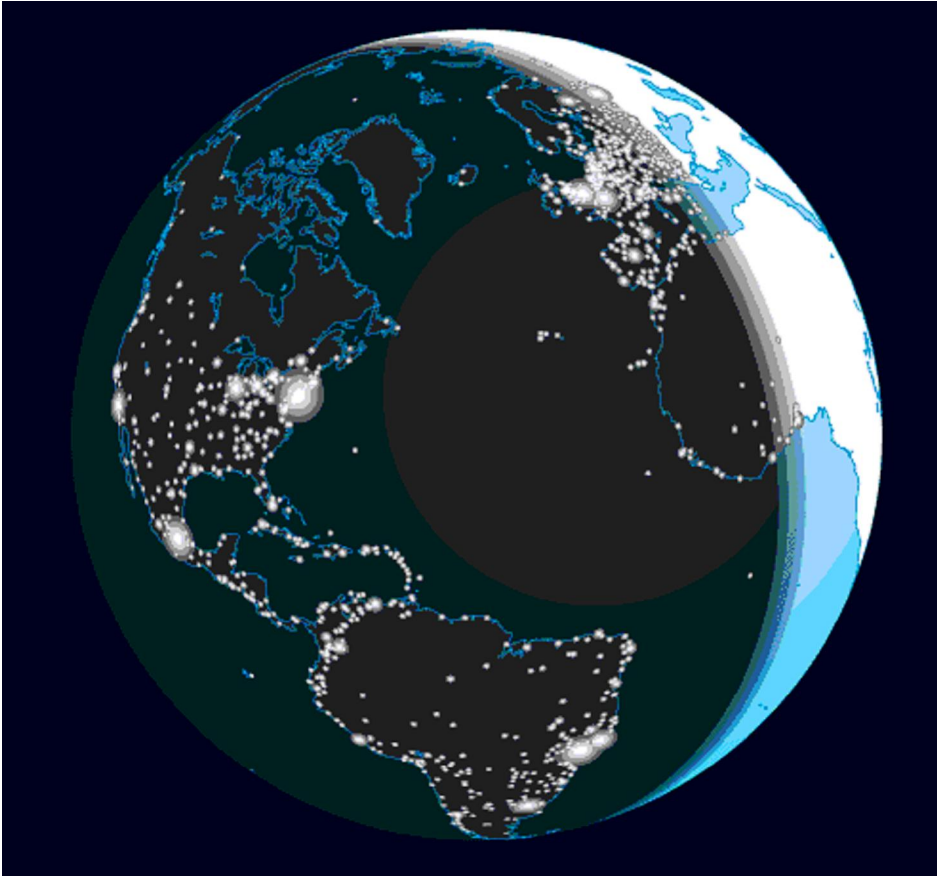
Part of the "strip-diagram" of the Moon through the year



Part of the "All the Sky" chart



Our planet at 6 hours Universal Time on January 16 midnight on the Mississippi, dawn twilight for Europe



The Astronomical Companion

Description : 11 x 15 in, 73 pages, illustrations. Rich in 3-D diagrams 2010. Club

Cost: \$32

A general guide to astronomy; some say it should be called the *Astronomical Treasury*. Same large page-size as the *Astronomical Calendar*. Begins with an overview of Astronomy and pictures that almost force you to understand coordinate systems and orientation in

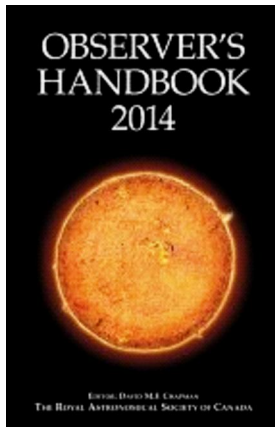
space.

A strand running through the book is the series of 30 ten-inch-diameter diagrams showing expanding spheres of space, from the Moon's orbit and the domains of planets and comets out through the nearest stars, the brightest stars, the neighboring regions of our Milky Way galaxy, the whole galaxy, the Local Group of galaxies, the Virgo Super cluster, the domain of the quasars, and on to the eerie limit of the universe.

Among many other features are a map and catalogue of star names with their derivations; the seasons (including their linking with traditional dates such as Beltane, Halloween, St. Lucy's Day); the world's calendars; precession and its many consequences; ~~%Moonlight %and %Earthlight %and %Moon as Signpost;~~ comparative distances; a comprehensive Hertzsprung-Russell Diagram (the graph that relates all the kinds of star by color and brightness); and pages on constellations, meteor showers, double stars, variable stars. . .

This is a NEW EDITION of the book first published in 1979 and reprinted 18 times. The major illustrations (including covers) are redone with clearer plotting and modern data. Distances are expressed in light-years (as well as the more technical parsecs). Besides overall updating and corrections, some added features are timeline-tables of nearly 200 astronomers, charts of some coming eclipses, a new chronology of space exploration (by Clifford Cunningham), and a full index.

2015 OBSERVERS HANDBOOK



Product Description Format: Soft Cover

Pages: 356 Club Cost: \$40 or \$30 (2-9 copies)

The Observer's Handbook is a 356 page guide published annually since 1907 by the Royal Astronomical Society of Canada. Through its long tradition and the expertise of more than 40 contributors, the Observer's Handbook has come to be regarded as the standard North American reference for data on the sky. The material in the Handbook is of interest to professional and amateur astronomers, scientists, teachers at all levels, students, science writers, campers, scout and guide leaders, as well as interested general readers. The Observer's Handbook is an integral part of many astronomy courses at the secondary and university levels, and it should be on the reference shelf of every library.

The various sections in the Observer's Handbook are of two kinds: Sections dealing with astronomical events which occur during the **current year**:

- times of sunrise and sunset
- moonrise and moonset (for latitudes 20 to 62 degrees N)
- eclipses
- location of the planets and bright asteroids
- returns of periodic comets
- times of meteor showers

There is also a 24-page section called "The Sky Month By Month" which gives an extensive listing of events for each month of the year.

The Handbook also includes sections dealing with **astronomical data and other information** which do not vary from year to year:

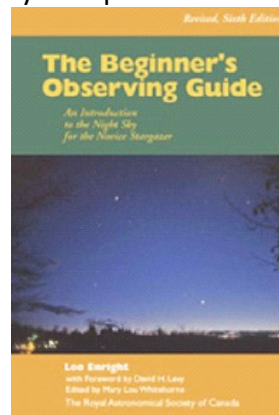
- orbital and physical data on the planets and their satellites
- astronomical and physical constants
- some optical properties of telescopes and binoculars
- information on filters for astronomical observing
- light pollution and sky transparency
- a description of the various systems of specifying time

THE BEGINNER'S OBSERVING GUIDE-Currently Not Available

Product Description: Sixth Edition Format: Soft Cover Pages: 200 Cost: \$31 or \$25 (2-9 copies)

An Introduction to the Night Sky for the Novice Stargazer

At last! An easy to follow guide to the sky that provides essential information in a non-technical way.



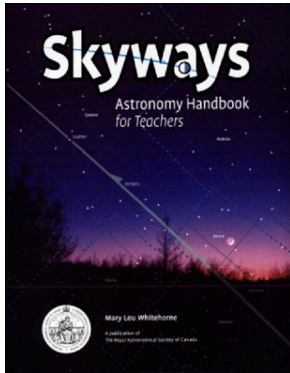
The Beginner's Observing Guide introduces you to:

- The motion of the heavens
- The position of objects in the sky
- The brightness of heavenly objects
- Finding your direction from the stars
- The names of the brightest stars
- The naming systems for stars
- What to make of the constellations
- How to read star maps
- Observing the Moon and its phases
- Observing "unaided-eye" variable stars
- Observing meteors and meteor showers
- Observing comets, Aurora, the Zodiacal Light
- Observing the Sun safely
- Recording observations quickly and easily
- Month-by-month star maps that are easy to read
- Numerous tips on becoming a better observer
- Practical exercises to develop observing skills
- Special information about binocular observing

An appendix that includes several lists:

- the 88 constellations
- solar system data for both the sun & planets

Skyways: Astronomy Handbook for Teachers



by Mary Lou Whitehorne Spiral Bound, 114 pages

Cost:

\$31.00

Skyways, the RASC's Astronomy Handbook for Teachers was written specifically for Canadian educators and meets the astronomy learning outcomes outlined in the *Common Framework of Science Learning Outcomes* (the "Pan-Canadian Protocol"). The book contains instructions for hands-on activities on a wide range of topics including Seasons, Stars, and the Solar System.

Skyways is also available in French under the title *Explorons l'astronomie – Guide pédagogique*.

Skyways is:

- Canadian curriculum-specific
- Pre-tested by Canadian teachers
- Hands-on, interactive
- Geared for grades 5-12
- Fun and easy to use
- Cost-effective

Skyways is complete with:

- Conceptual background
- Teacher information
- Student worksheets
- Resource lists



2015 Deep Space Mysteries -- Astronomy Calendar

Order page:

Name:

Phone:

E-Mail:

Title	No. of Copies	Total Cost
2015 Astronomy Calendar -- \$ 9. Each <i>"Deep Space Mysteries"</i>		
Astronomy Magazine 1 year -- \$34.00 2 years -- \$60.00		

2015 Observers Handbook -- \$40 ea (1) - \$30 ea (2-9)**		
Beginner's Observing Guide -- \$31 ea (1) - \$25 ea (2-9) ** Currently Not Available		
Skyways -- \$31 ea (1) - \$25.00 ea (2-9)**		
<i>The Thousand-Yard Model or The Earth as a Peppercorn</i> -- \$10 ea		
<i>To Know The Stars</i> -- \$12 ea		
Astronomical Calendar 2014 -- Guy Ottewell - Cost: \$32 ea		
The Astronomical Companion . Cost: \$32 ea		

**** As long as 2 or more copies of products are purchased by multiple members, everyone receives the multi-copy price.**

Thank you for your support.

Suzie Dills, Treasurer

suzieastro@yahoo.com or 440-670-1442 or bring to the meetings on Oct 2 or Nov 6, 2014. Items will be ordered after the Nov 6 meeting and distributed at the Dec 4, meeting. Payment will be due at the time of distribution.