# Table of Contents

#### Introduction

vii

# Prologue The Sky Above

Page 1

The Luminaries; Stars, Fixed and Wandering; Time; The Cycles of the Sun and Moon; The Calendar; The Traditions of Classical Astronomy; Modern Artificial Timekeeping

#### Chapter 1 The Light He Called Day

Page 9

Telling the Time of Day; Divisions of the Day; Dividing the Light from the Darkness; Direction and the Sky; The Horizon; Astronomical Alignments; Movements of the Sky; A Day Over Washington, D.C.

#### Chapter 2 The Darkness He Called Night Page 28

The Bears; Orion; The Naming of the Stars; The Celestial Sphere; The Rolling of the Sphere; Always Visible, Never Visible; The Circle of the Meridian; The Celestial Equator

### Chapter 3 The Cycle of the Month

Page 55

The Wandering Moon; Lunar Calendar; The New Moon; The Waxing Crescent; Earthshine; First Quarter; The Gibbous Moon; The Full Moon; The Rising and Setting of the Moon; The Waning Moon

#### Chapter 4 The Tabernacle for the Sun

Page 70

The Ecliptic; The Sun's Motion along the Ecliptic; Astronomy or Astrology?; The Oblique Circle of the Zodiac; Following the Zodiac; The Southern Zodiac; "Signs"; Rounding Out the Circle

#### Chapter 5 The Cycle of the Year

Page 93

The Sun's Passage through the Zodiac; March Hath XXXI Days; April Hath XXX Days; May Hath XXXI Days; June Hath XXX Days; July Hath XXXI Days; August Hath XXXI Days; Summer Heat; September Hath XXX Days; October Hath XXXI Days; Standard Time; November Hath XXX Days; December Hath XXXI Days; January Hath XXXI Days; February Hath XXVIII Days; March Again

#### Chapter 6 The Seasonal Stars

**Page 119** 

Rolling through the Seasons; The Winter Sky; The Spring Sky; The Summer Sky; The Autumn Sky; Perseus, Father of the Persians; The Winter Sky Again; The Annual Courses of the Stars; Progression of the Seasonal Skies

# Chapter 7 The Wandering Stars

Page 145

The Classical Planets; The Modern Planets; The Superior Planets; The Inferior Planets; Motions of the Inferior Planets; Motions of the Superior Planets; The Dance of the Planets; The Moon as a Classical Planet; The Seasons of the Moon's Phases

# Epilogue The Calendar

Page 167

The Lunar Calendar; The Solar Calendar; The Roman Calendar; The Julian Calendar; Passover and Easter; Easter – Pagan Origins?; Changing Customs; The Error in the Calendar; Calendar Reform; The LORD's Timekeepers Abandoned

Field Activities Page 185

Activities are provided to accompany each chapter to enable the student of the sky to make systematic observations of the Sun, Moon, stars, and planets. These field activities will assist in creating a field journal that enable a high school student to establish work hours toward high school credit. These activities can also be used by younger students under parental supervision.

**A**ppendix

Page 227

Glossary

Page 229

Biographia of Quoted Authors

Page 237

#### Astronomical Tables

Page 243

I. Finding Orion; II. Finding the Big Dipper; III. Finding the Zodiac Constellations; IV. First Magnitude Stars; V. The Constellations of Signs & Seasons; VI. Oppositions of the Superior Planets, A.D. 2005-2020; VII. Cycles of Venus, A.D. 2005-2020

Bibliography

Page 251

Index

**Page 255**