

Table of Contents

1: Introduction	1
2: How to Use This Book	3
3: The Objects	9
3.1: Solar System.....	11
#1: The Moon.....	13
#2: The Sun	17
#3: Saturn.....	20
#4: Jupiter	22
#5: Asteroids (Ceres and Vesta).....	24
#6: Iridium Flares	25
#7: International Space Station.....	27
#8: Meteor Showers.....	28
#9: Comets	31
3.2: Nebula	33
#10: The Orion Nebula M42.....	35
#11: The Lagoon Nebula M8.....	37
#12: The Eagle Nebula M16	39
#13: The Omega Nebula M17	41
#14: The Dumbbell Nebula M27	43
#15: The Trifid Nebula M20	45
#16: The Ring Nebula M57.....	47
#17: The Crab Nebula M1	49
#18: The Ghost Of Jupiter NGC3242	51
3.3: Galaxies	53
#19: The Andromeda Galaxy M31	55
#20: The Triangulum Galaxy M33	57
#21: The Whirlpool Galaxy M51	59
#22: The Sunflower Galaxy M63	61
#23: Bode and Cigar Galaxies M81 & M82	63

#24: The Sculptor Galaxy NGC253	65
#25: Centaurus A NGC5128	67
#26: The Virgo Supercluster.....	69
#27: Our Milky Way	72
3.4: Star Clusters	73
#28: The Pleiades M45.....	75
#29: The Great Globular Cluster In Hercules M13	77
#30: The Wild Duck Cluster M11	79
#31: The Beehive Cluster M44.....	81
#32: The Scorpius Globular Cluster M4	83
#33: The Pegasus Globular Cluster M15	85
#34: The Double Cluster in Perseus NGC863 & 864	87
#35: Omega Centauri NGC5139.....	89
#36: The Jewel Box NGC4755	91
#37: 47 Tucanae NGC104.....	93
#38: The Hyades Cluster C41	95
3.5: Stars	97
#39: Supernovae	99
#40: The Double Double (Epsilon Lyrae).....	101
#41: The Double Stars of Albireo	103
#42: The Double Stars of Almach.....	105
#43: The Double Stars of Castor	106
#44: Constellations	108
#45: Polaris (The North Star)	109
#46: The Southern Cross.....	112
#47: Stellar Spectroscopy.....	113
3.6: Events.....	115
#48: Conjunctions, Occultations, Transits	117
#49: Solar Eclipses.....	119
#50: Lunar Eclipses.....	122
4: The Constellations.....	125

4.1: Constellation Charts.....	126
5: Where to go from here	131
5.1: Best months to view objects in the book.....	132
5.2: Index.....	133
5.3: Glossary.....	136
5.4: Other books by the author.....	160
5.5: Notes.....	166