
The Backyard Astronomers Guide

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Thank you for picking our platform for your PDF downloads. We expect providing you with superb service and diverse options for many years ahead.

The Backyard Astronomer's Guide *Firefly Books*

The touchstone for contemporary stargazers. This classic, groundbreaking guide has been the go-to field guide for both beginning and experienced amateur astronomers for nearly 30 years. The fourth edition brings Terence Dickinson and Alan Dyer's invaluable manual completely up-to-date. Setting a new standard for astronomy guides, it will serve as the touchstone for the next generation of stargazers as well as longtime devotees. Technology and astronomical understanding are evolving at a breathtaking clip, and to reflect the latest information about observing techniques and equipment, this massively revised and expanded edition has been completely rebuilt (an additional 48 pages brings the page count to 416). Illustrated throughout with all-new photographs and star charts, this edition boasts a refreshed design and features five brand-new chapters, including three essential essays on binocular, telescope and Moon tours by renowned astronomy writer Ken Hewitt-White. With new content on naked-eye sky sights, LED lighting technology, WiFi-enabled telescopes and the latest advances in binoculars, telescopes and other astronomical gear, the fourth edition of The Backyard Astronomer's Guide is sure to become an indispensable reference for all levels of stargazers. New techniques for observing the Sun, the Moon and solar and lunar eclipses are an especially timely addition, given the upcoming solar eclipses in 2023 and 2024. Rounding out these impressive offerings are new sections on dark sky reserves, astro-tourism, modern astrophotography and cellphone astrophotography, making this book an enduring must-have guide for anyone looking to improve his or her astronomical viewing experience. The Backyard Astronomer's Guide also features a foreword by Dr. Sara Seager, a Canadian-American astrophysicist and planetary scientist at the Massachusetts Institute of Technology and an internationally recognized expert in the search for exoplanets.

The Backyard Astronomer's Guide *Firefly Books Limited*

Discusses the practical aspects of stargazing, including how to choose appropriate equipment, contending with light pollution, taking successful photographs of galaxies and nebulae, and selecting an observing site.

The Backyard Astronomer's Guide

The Backyard Astronomer's Guide *Willowdale, Ont. : Firefly Books*

Discusses the practical aspects of stargazing, including how to choose appropriate equipment, contending with light pollution, taking successful photographs of galaxies and nebulae, and selecting an observing site.

The Backyard Astronomer's Field Guide *Page Street Publishing*

Discover Beautiful Nebulae, Constellations, Deep Sky Objects and More with Your Telescope David Dickinson, co-author of The Universe Today Ultimate Guide to Viewing the Cosmos, has created the ultimate field guide for backyard astronomers. Whether you want to impress viewers at a star party, or learn what you can see with your new telescope, David shows you how to find the most impressive views the night sky has to offer. Broken down by month and by hemisphere to ensure you get the best possible view, David shows you how to find objects like spiral galaxies, stunning sights in the Milky Way and stars that bring the "wow factor" to astronomy. With 44 sky charts and David's expertise, it's like having a pro-astronomer out in the field with you.

National Geographic Backyard Guide to the Night Sky, 2nd Edition *National Geographic*

Explore the star-studded cosmos with this fully updated, user-friendly skywatcher's guide, filled with charts, graphics, photographs, and expert tips for viewing -- and understanding -- the wonders of space. Stargazing's too much fun to leave to astronomers. In these inviting pages, "Night Sky Guy" Andrew Fazekas takes an expert but easygoing approach that will delight would-be astronomers of all levels. Essential information, organized logically, brings the solar system, stars, and planets to life in your own backyard. Start with the easiest constellations and then "star-hop" across the night sky to find others nearby. Learn about the dark side of the moon, how to pick Mars out of a planetary lineup, and which kinds of stars twinkle in your favorite constellations. Hands-on tips and techniques for observing with the naked eye, binoculars, or a telescope help make the most out of sightings and astronomical phenomena such as eclipses and meteor showers. Photographs and graphics present key facts in an easy-to-understand format, explaining heavenly phenomena such as black holes, solar flares, and supernovas. Revised to make skywatching even easier for the whole family, this indispensable guide shines light on the night sky--truly one of the greatest shows on Earth!

NightWatch *Firefly Books*

Offers advice on observing the stars and constellations, discusses useful equipment, and includes information on the moon, comets, eclipses, and planets

Observing the Moon *Cambridge University Press*

Written by an experienced and well-known lunar observer, this is a hands-on primer for the aspiring observer of the Moon. Whether you are a novice or are already experienced in practical astronomy, you will find plenty in this book to help you raise your game to the next level and beyond. In this thoroughly updated second edition, the author provides extensive practical advice and sophisticated background knowledge of the Moon and of lunar observation. It incorporates the latest developments in lunar imaging techniques, including digital photography, CCD imaging and webcam observing, and essential advice on collimating all common types of telescope. Learn what scientists have discovered about our Moon, and what mysteries remain still to be solved. Find out how you can take part in the efforts to solve these mysteries, as well as enjoying the Moon's spectacular magnificence for yourself!

Our Universe *Harvard University Press*

Jo Dunkley combines her expertise as an astrophysicist with her talents as a writer and teacher to present an elegant introduction to the structure, history, and enduring mysteries of the universe. Among the cutting-edge phenomena discussed are the accelerating expansion of the universe and the possibility that our universe is only one of many.

NightWatch *A&C Black*

Serves as a useful reference guide to stargazers around the world.

The Universe Today Ultimate Guide to Viewing The Cosmos *Page Street Publishing*

The Definitive Resource for Viewing the Night Sky David Dickinson, Earth science teacher and backyard astronomer, and Fraser Cain, publisher of Universe Today, have teamed up to provide expert guidance on observing the night sky. The Universe Today Ultimate Guide to Viewing the Cosmos features the best tips and tricks for viewing our solar system and deep sky objects, as well as detailed charts, graphs and tables to find must-see events for years to come. This comprehensive guide is complete with stunning and exclusive photography from top night sky photographers, as well as advice on how to take your own incredible photos. Take your recreational viewing to the next level with activities like: Finding comets and asteroids Tracking variable stars Monitoring meteor showers Following solar activity Tracking satellites Timing lunar and asteroid occultations With star charts, practical background information, technological resources and telescope and astrophotography guides, this is the ultimate resource for any backyard space enthusiast.

Star Ware *John Wiley & Sons*

This is the third edition of Phil Harrington's popular and comprehensive guide to astronomical equipment, written for both new astronomers as well as experienced amateurs. It includes numerous tips and tricks from other experienced astronomers. In this revised and updated edition of Star Ware, the essential guide to buying astronomical equipment, award-winning astronomy writer Philip Harrington does the work for you, analyzing and exploring today's astronomy market and offering point-by-point comparisons of everything you need. Whether you're an experienced

amateur astronomer or just getting st.

The Universe from Your Backyard *Kalmbach Publishing Company*

An introduction and reference guide to finding and studying 690 of the sky's deep-sky objects using a backyard telescope.

Summer Stargazing *Willowdale, Ont. : Firefly Books*

A guide to observing the stars, planets, and other celestial phenomena from May to October includes star charts covering the entire North American sky

The Mythology of the Night Sky *Springer Science & Business Media*

The Mythology of the Night Sky is intended primarily for amateur astronomers who would like to know the mythology behind the names of constellations and planets. It deals with the 48 constellations identified by the ancient Greek astronomer Ptolemy, as well as all the planets of our solar system and their moons, which are named after Roman gods. To assist practical observers the book gives the location and description of each constellation, including named stars and deep-sky objects. Readers are encouraged to observe and image the constellations for themselves, and there is a lot of practical information in this book to help them along the way. In addition to providing a detailed (and mostly Greek) mythology of the constellations and the vast soap opera that was part of the Ancient Greek pantheon, this book also addresses the planets of the Solar System, which are named after the Roman - not Greek - gods.

Exploring the Night Sky *Turtleback Books*

A basic guide for beginning observers of the night sky, introducing information on the locations, names, and characteristics of stars.

Star-Hopping for Backyard Astronomers *Sky Publishing Corporation*

Introduces amateur astronomy, explains how to use sky maps, binoculars, and telescopes, and suggests fourteen separate tours of the night sky

Extraterrestrials *Camden East, Ont. : Camden House*

Discusses the various ways writers, artists, and film-makers have depicted extraterrestrials, recounts efforts to detect life on the other planets of the solar system, and describes the different kinds of sense organs extraterrestrials might have and what beings from different types of environments might be like.

Seeing in the Dark *Simon and Schuster*

In Seeing in the Dark, a poetic love letter to science and to the skies, Timothy Ferris invites us all to become stargazers. He recounts his own experiences as an enthralled lifelong amateur astronomer and reports from around the globe -- from England and Italy to the Florida Keys and the Chilean Andes -- on the revolution that's putting millions in touch with the night sky. In addition, Ferris offers

an authoritative and engaging report on what's out there to be seen -- what Saturn, the Ring nebula, the Silver Coin galaxy, and the Virgo supercluster really are and how to find them. The appendix includes star charts, observing lists, and a guide on how to get involved in astronomy. Ferris takes us inside a major revolution sweeping astronomy, as lone amateur astronomers, in global networks linked by the Internet, make important discoveries that are the envy of the professionals. His ability to describe the wonders of the universe is simply magical, and his enthusiasm for his subject is irresistible.

The 12 Greatest Rounds of Boxing *Franz Steiner Verlag*

Boxing's colourful history is filled with chapters of high drama and simmering controversy. Many boxing fans are familiar with the outcome of the most memorable bouts, but few know the secrets surrounding them. In 'The 12 Greatest Rounds of Boxing', Ferdie Pacheco not only selects the dozen best rounds ever fought, but reveals what went on behind the scenes at these fights, from chicanery and Mob influence to romantic liaisons and the zaniness that seems to go hand in glove with boxing. Did Muhammad Ali's 1965 'Phantom Punch' really knock out Sonny Liston, or was Sonny simply too scared to get off the canvas? With World War II looming, was German heavyweight champion warned by Adolf Hitler to beat Joe Louis - or else? Did Jack Dempsey have something illegal in his glove when he battered Jess Willard into bloody submission in 1919? The fascinating behind the scenes stories are related by Pacheco and a renowned group of boxing experts, offering an intimate glimpse of boxing inimitable characters and the often bizarre world they inhabit.

Backyard Guide to the Night Sky *National Geographic Books*

An extensively illustrated reference for beginner-level stargazing enthusiasts covers basic principles without using complicated scientific language, providing star charts and tables that list key facts in an easy-to-understand format. Original.

101 Objects to See in the Night Sky *Firefly Books Limited*

The perfect starter astronomy guide to night viewing. 101 Objects to See in the Night Sky is a fun and practical guide to identifying and observing 101 of the most fascinating and exciting sights in the northern night sky. Designed for newcomers to astronomy, the book explains what can be seen using the naked eye, binoculars or a telescope. In the book, professional astronomer Robin Scagell shows the novice astronomer where to look in the sky to see a particular object, or group of objects or sights. They may be a planet, its rings or satellites, a series of lunar craters, a constellation, asteroids, meteors, a nebula, galaxy or star cluster, for example. He describes the object in detail and gives observing tips to improve viewing skills. Informative "Where to find it" instructions and "What you'll see" explanations for each object give night sky viewers an extra hand. A concise "fact file" is provided for each object, and readers can award themselves "points" for their skill in finding the object, with higher scores given for spotting the night sky's more elusive or hard-to-see features. The book is organized by season -- winter, spring, summer, fall -- with an opening section on "things you need to know," such as marker objects (for example, Sirius, the brightest star in winter's night sky) and how to use them to search beyond. It also covers such topics as asteroids and dwarf

planets, noctilucent clouds, northern lights, the International Space Station, sunspots, eclipses and much more. 101 Objects to See in the Night Sky is an ideal guide for astronomy novices and classrooms.

The Monthly Sky Guide *Cambridge University Press*

The ninth edition of Ian Ridpath and Wil Tirion's famous guide to the night sky is updated with planet positions and forthcoming eclipses to the end of the year 2017. It contains twelve chapters describing the main sights visible in each month of the year, providing an easy-to-use companion for anyone wanting to identify prominent stars, constellations, star clusters, nebulae and galaxies; to watch out for meteor showers ('shooting stars'); or to follow the movements of the four brightest planets, Venus, Mars, Jupiter and Saturn. Most of the sights described are visible to the naked eye and all are within reach of binoculars or a small telescope. This revised and updated edition includes sections on observing the Moon and the planets, with a comprehensive Moon map. The Monthly Sky Guide offers a clear and simple introduction to the skies of the northern hemisphere for beginners of all ages.

Hubble's Universe *Firefly Books*

"Building on the first edition, this book features 330 high resolution celestial portraits selected by bestselling astronomy writer Terence Dickinson, a four-page fold-out of the Andromeda Galaxy and an illuminating narrative that brings to life Hubble's journey and the fascinating forces at work in the universe."--

The Universe and Beyond *Firefly Books Limited*

Reviews current knowledge of the planets, galaxies, black holes, and quasars, discusses the possibility of extraterrestrial life, and looks at the origins of the universe.

Astronomy

This guide is divided into two sections. The first, Discovering the Universe, explains our changing understanding of earth's place in the universe and provides an up-to-the-minute guide to astronomy today. It describes the main celestial bodies and explores the big questions raised by our evolving understanding of the universe. The second section, A Guide to Celestial Objects, is a field guide to the night sky. It includes hundreds of maps and photographs, with sections on the sun, moon and planets, stars, nebulae and galaxies, as well as monthly star charts and sky tours of both northern and southern hemispheres.

Turn Left at Orion *Cambridge University Press*

With over 100,000 copies sold since first publication, this is one of the most popular astronomy books of all time. It is a unique guidebook to the night sky, providing all the information you need to observe a whole host of celestial objects. With a new spiral binding, this edition is even easier to use outdoors at the telescope and is the ideal beginner's book. Keeping its distinct one-object-per-spread format, this edition is also designed for Dobsonian telescopes, as well as for smaller

reflectors and refractors, and covers Southern hemisphere objects in more detail. Large-format eyepiece views, positioned side-by-side, show objects exactly as they are seen through a telescope, and with improved directions, updated tables of astronomical information and an expanded night-by-night Moon section, it has never been easier to explore the night sky on your own. Many additional resources are available on the accompanying website, www.cambridge.org/turnleft.

Splendors of the Universe *Willowdale, Ont. : Firefly Books*

A practical guide to astrophotography covers simple camera-on-tripod photography to more sophisticated techniques using telescopes and CCD cameras, and includes photographs taken by amateur astronomers

NightWatch *Buffalo ; Richmond Hill, Ont. : Firefly Books*

A reference guide for stargazers offers star charts and information on equipment, planets, and stellar photography.

100 Things to See in the Night Sky, Expanded Edition *Simon and Schuster*

Discover the amazing wonders of the night sky with this expanded edition to 100 Things to See in the Night Sky, perfect for every amateur stargazer and armchair astronomer! Keep your feet on the ground and experience the night sky to the fullest by exploring planets, satellites, and constellations with this all-inclusive reference guide to space. 100 Things to See in the Night Sky, Expanded Edition is full of information on the many amazing things you can see with a telescope, or just your naked eye! From shooting stars to constellations and planets to satellites, this book gives you a clear picture of what you can see on any given night. Learn about the celestial bodies that have captured people's imaginations for centuries, with specific facts alongside traditional myths and beautifully illustrated photographs and star charts that will help you know where to look for the best view. With this illuminating guide, you'll enjoy hours of stargazing, whether you're travelling, camping, sitting in your back yard, or simply flipping through the beautiful images in this book.

Deep-Sky Companions: The Caldwell Objects *Cambridge University Press*

Appendix C William Herschel: the greatest visual observer of all time - by Larry Mitchell -- Appendix D Image credits -- Index

Rough Guide to the Universe *Penguin*

Whether you're a novice or a more experienced astronomer, The Rough Guide to The Universe is indispensable. The truth may or may not be out there, but space is the place to look, and the Rough Guide to the Universe takes it all in, from our own moon to the furthest frontiers of the known universe - and then speculates about what lies beyond. This fascinating guide is not meant to delve too deeply; instead it gives the reader the grounding needed to appreciate the night sky. Clue- up on the basics with concise information on every planet in the solar system, and practical advice on observing the planets and stars with binoculars, telescopes and the naked eye. You'll find the latest theories about how the universe came to exist, incisive explanations of the formation of galaxies and

weird concepts such a dark matter, wormholes and superstrings. The guide also provides travel-based information on planetariums, observatories and 'deep sky' sites as well as listings of star clubs, space news sources and other Internet resources. With dozens of photographs and star charts of every constellation, The Rough Guide to the Universe is The Stargazer's essential handbook

The Stars Night by Night

The Urban Astronomer's Guide *Springer Science & Business Media*

This book covers the "why," "how," and "what" of astronomy under light-polluted skies. The prospective city-based observer is told why to observe from home (there are hundreds of spectacular objects to be seen from the average urban site), how to observe the city sky (telescopes, accessories, and moderns techniques), and what to observe. About half of the book is devoted to describing "tours" of the sky, with physical and observational descriptions, at-the-eyepiece drawings, and photographs.

The Ultimate Backyard Astronomer's Guide for Beginners

Have you have ever gazed up at the night sky, been wondered by what you see, and thought about taking a closer look? If this is you, then I can tell you that you are not alone! Amateur Astronomy has taken off in the past two decades, with the bounty of well-priced, competent, high-quality equipment available today. But for the complete beginner with no experience, the one question that will be particularly obvious is, - "What do I need to get great views of the heavens?" The first awakening many people have to Astronomical equipment is when they visit their local store and find cheap telescopes offered in brightly colored boxes claiming 500X magnification and designating impressively detailed color pictures of planets and galaxies. Don't be deceived by this! This is NOT the fulfillment you'll get, and it's clearly NOT what you'll see - particularly with the telescope in this box from this store. This is so tricky and has been accountable for more setbacks to wannabe astronomers than any other particular thing; I'd advise, these are just toys, and you should stay far away from them. And regrettably, even with equipment costing many times more, you still won't see the detail and color described on these types of boxes. Firstly, when you look into even a modest telescope, you won't see color. The minuscule amount of light emanating from heavenly objects is not enough to display as color usually on our retinas. That said, it is probable to see some basic color detail on planets and galaxies that are large and close enough to provide adequate light output. I can say without exception when I have introduced family and friends to their first-ever view of Saturn in all its glory; the reaction is always a wide-eyed gasp and a "wow!" Likewise, Jupiter's four clearly visible Galilean Moons move in real-time if you watch for several minutes. Naturally, the objects you're seeing are moving the whole time you're looking at them. Honestly, to see these heavenly objects this close and personal, as you've never seen them before, gives you a beautifully strange, yet eerie, feeling of being just a tiny speck in a universe far more extensive than you've probably ever thought before. To see things in your eye-piece that are so far away that they may have ceased to exist millions of years ago appears incomprehensible in a naive sense. It's so tough to imagine the light from that dim and distant object that would have taken millions upon millions of

years to reach your eye. If you're interested enough that this has sharpened your appetite for more, then take a note of the following step-by-step guide before racing out and purchasing equipment that may not suit your demands. In the book, "The ultimate Astronomer's guide for Beginners," you will learn the Step by step guide to finding the best objects the night has to offer, choosing your telescope, Building a Backyard Observatory and so much more! Some of the subjects covered in the book are below!

- *Astronomy for Beginners (Getting Started Stargazing)
- *Things to Consider Before Building a Backyard Observatory
- Backyard
- *Telescopes for Beginners: Determining the Best Beginner Telescope
- *3 Things to check for before buying a Telescope as a Beginner
- *Should I Use Binoculars or Telescopes for Astronomy?
- *Exceptional Tips for Budding Astronomers
- *A Look at Celestron, Orion Telescopes, and Other Brand Telescopes!
- *All you NEED to know About Jupiter.
- *Why you need a New Telescope Eyepiece as a beginner
- *Why a Telescope Mount is a Requirement for Stargazing
- *How to Stargaze in Style with a great Celestron Telescope
- *6 Great Tips for Best Star Gazing Techniques and Equipment

Click the link below to ORDER your copy, now!

Stargazing *Collins*

This is an introductory guide to the night sky, from the Royal Observatory Greenwich. Offering complete advice from the ground up, Stargazing is the perfect manual for beginners to astronomy, introducing the world of telescopes, planets, stars, dark skies and celestial maps. Discover how to tackle light pollution, how to stargaze with just your eyes, and what equipment is best for beginners. This book explains the best ways to plan your stargazing experience and the key things to look out for on specific dates throughout the year. With seasonal star charts, constellation charts and facts about our Solar System, Stargazing is packed full of useful information and guidance for both the Northern and Southern Hemispheres. Bridging the gap between human curiosity and the need for scientific expertise, Stargazing allows a complete novice to understand our place in the cosmos and enjoy the beautiful and extraordinary wonders of the night sky.

The Cambridge Star Atlas *Cambridge University Press*

Provides information about the moon, star charts and monthly sky maps covering that which is visible each month in different hemispheres.

The Stargazer's Guide to the Night Sky *New Leaf Publishing Group*

"Unless otherwise noted, Scripture quotations are from the New King James Version of the Bible."--T.p. verso.

Stargazing Basics *Cambridge University Press*

A simple guide to get you started in astronomy, from observing the night sky to purchasing binoculars and telescopes.

Astronomy

Take a tour of the Universe, from the 150km impact craters on the Moon to Jupiter's Great Red Spot - a 643kmph swirling storm that started in the 1600s. This stunningly illustrated slipcase is lavishly designed to cover every aspect of astronomy. Learn about the history of discoveries in the field, from the earliest human civilizations to the present day. Discover more about astronomical phenomena, from the supermassive black hole at the centre of our galaxy, and what happens when a star runs out of energy, to theories about the fate of the Universe - including the Big Crunch and the Big Rip, and take a visual tour of the Solar System, complete with the very latest photographs of the planets. A definitive month-by-month guide to the night sky, with profiles of all 88 constellations, over 100 star charts, and an Almanac of astronomical events over the next decade, will help you to navigate your way around the night sky, and locate stars, galaxies, and other objects. Featuring no-nonsense advice on how to observe the skies using the naked eye, binoculars, and telescopes, *Astronomy* is the perfect guide for keen amateur astronomers, as well as a great reference book for the whole family.