

Stargazing Binoculars Guide

Includes a link to freely downloadable higher resolution colour charts that you may print out or display on your tablet or other device. For many decades, the advice given to beginning amateur astronomers has been "start with binoculars" but, beyond that, there has not been any specific advice on how to go about it. Stephen Tonkin shows you why this advice is appropriate, and takes you on a year-long journey through the night sky visible from northern temperate latitudes. At the end of this journey, you will have a sound basic knowledge of the sky and will have gathered useful snippets of astronomical information and whimsy along the way. Although the book is intended to be used with a decent star atlas (the star charts in the book are size-limited by the page size), readers have the option of downloading a full set of higher resolution colour charts to print out or for use on a tablet or smartphone. Reader comments: "I find this book a true pleasure to read

Binocular Stargazing Stackpole Books

Did you know that stars are seasonal? That Orion is one of the brightest constellations? That a single day on Venus is longer than an entire year on Venus? Space has captivated mankind since the beginning of time. Fifty years ago, Neil Armstrong became the first man to step on the moon and since then our knowledge of astronomy has continued to expand. With so many mysteries yet to be solved, science journalist Abigail Beall takes readers on an astonishing journey through the landscape of space. In *The Art of Urban Astronomy*, you will be guided through the seasons and learn about the brightest stars and constellations, the myths and legends of astronomy and how to identify star clusters and galaxies with just your eyes or a

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pair of binoculars. For urban dwellers wrapped up in the rush and bustle of the city, it can be calming and truly valuable to take the time simply to stop, look and reconnect with nature. Packed full of seasonal star charts, constellation charts and fascinating facts, this is the perfect guide for those who have looked up at the night sky and don't know where to begin. After reading this book, you'll never look up in the same way again.

Do you know sky gazing is the most beloved science and stargazing perhaps the most fantastic human hobby? I believe in magic, and every time I look at the stars in the sky long enough, the feeling of magic runs through me. The longer you stare, the more they appear, fascinating you more and more second by second. I remember the first time I saw the night sky encrusted with stars in depth. I was 18 years old and woke up at 3 am to drive to an airfield, where we were going to set up a stall for a flea market. We wanted to get there early as it was first come, first serve. Having 3 hours to kill, we decided to lay on the car roof looking at the clear sky. Our surroundings were pitch black, with no buildings, no street lights, just open fields. I had never before seen the sky so encrusted with stars. I was amazed, and the magic seemed to be all around me, one shooting star, two shooting stars. Then the sun started to rise, and they all faded away. A few YEARS later, I got my first telescope, and I went on my first sky-gazing ADVENTURE! No matter how you stargaze and with what devices, you will be struck by the grandeur and beauty of the sky--just as our ancestors were! Trying to start in sky gazing on your own will unavoidably lead to disappointment and wasted money and YOUR interest in the subject! Unfortunately, we've all been there! Now we know that we live in a galaxy, surrounded by trillions of galaxies. Many of our neighbor stars have planets, some of them habitable, that our sun is just one of a million stars in the Milky Way - and that we are

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made of stardust ourselves. Let me tell you a SECRET...stargazing is beautiful; it creates another world around you. Have you ever seen any constellations while stargazing? The ones I have seen are the Big Dipper, Little Dipper, and Orion's Belt. It is time you take a break from your hectic life, turn off the TV, and walk outside, welcoming the dark. In the book, "Stargazing for Beginners," The Complete Beginner's Guide to Exploring the Night Sky, you will Learn:*

- The Telescope Shopping Guide for Beginners*
- The Telescope Buying Guide for Beginners*
- The Telescope Buying Hints from an Experienced Astronomer*
- The Hints for Purchasing the Ideal Pair of Binoculars*
- The Best Ideas for Using Regular Binoculars for Stargazing*
- How to Start Your Journey of Stargazing and Planet gazing With Binoculars*
- The Top Ten (10) Astronomy Hints for Beginners*
- The Introduction to Celestron and Meade Telescopes for Beginners*
- How to Stargaze Through an Online Telescope*
- The Star Gazing, Astronomy, and Green Laser Pointers*
- The Bushnell Telescopes Guide for Beginners*
- The Things to Consider Before Building a Backyard Observatory*
- The Backyard Observatories: Location Is an Essential Point to Be Admitted!*
- Why you need a New Telescope Eyepiece as a beginner*
- Why a Telescope Mount is a Requirement for Stargazing

CLICK the ORDER link to get a copy now!

Philip's Stargazing with Binoculars, fully revised and updated for this new edition, is a practical guide describing the wide range of objects that anyone can observe in the night sky using normal binoculars. It gives clear, step-by-step instructions for finding objects, and explains what you can expect to see from both northern and southern hemispheres. It also offers useful advice about choosing and using mounts and other accessories. Binoculars provide a great start in astronomy. Compared with telescopes, they are comparatively cheap and easy to use,

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they are light and compact, and can be used for many other activities such as birdwatching. But when you are out there on a starry night, how do you know what to look at? Where are the best objects to observe through binoculars? Just how much can you see, and what are the tips and tricks for getting the most out of them? Philip's Stargazing with Binoculars reveals what to expect from a pair of binoculars and how to choose the right ones if you are buying for the first time, or upgrading. It gives straightforward explanations of how they work, and how to progress from first-time user to hobby observer. It gives practical help for setting up and using any binoculars, and provides examples of objects to look at with different sizes of binoculars, from both town and country, including the Sun, Moon, planets, comets, asteroids, stars, clusters, variable stars, double stars, novae, nebulae and galaxies. Aimed principally at newcomers to astronomy of all ages, who would like to begin observing for themselves, and perhaps make contact with other amateur observers, Philip's Stargazing with Binoculars describes a wide range of binoculars that are internationally available, with examples of objects to observe taken from both northern and southern hemispheres. The guidance given is appropriate for all observing conditions. Completing the book is a glossary of technical terms and an index, making it even easier for the beginner to use and understand.

Like everyone else, most amateur astronomers live busy lives. After a long day or work or looking after young children, the last thing you want as an observer is to have to lug out a large telescope and spend an hour getting it ready before it can be used. Maybe you are going on vacation somewhere in the countryside where there are sure to be dark skies, but you don't necessarily want astronomy to dominate the trip. Or suppose you are not quite committed to owning a large telescope, but curious enough to see what a smaller, portable setup can

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accomplish. These are times when a small “grab ’n’ go” telescope, or even a pair of binoculars, is the ideal instrument. And this book can guide you in choosing and best utilizing that equipment. What makes a telescope fall into the “grab ’n’ go” category? That’s easy – speed of setting up, ease of use, and above all, portability. In Part I of this book, we survey the various types of equipment, including accessories and mounts, that are available, and what it is best for what kind of viewing. Part II is about using your grab ’n’ go telescope to visit a wealth and wide variety of objects. There are chapters on solar, lunar and planetary observing, as well as descriptions of many deep sky objects, including double and variable stars, planetary, emission and reflection nebulae, open and globular clusters and distant galaxies. This ambitious text is dedicated to those who love to or – because of their limited time – must observe the sky at a moment’s notice, whether from the comfort of a backyard or while on business or vacation far from home. Everything you need to know is here. So get started!. Patrick Moore's painstakingly researched, beautifully illustrated guide to astronomical observation for casual and serious observers.

This eBook is best viewed on a color device. Filled with practical information for the amateur astronomer, this Sky Observer's Golden Guide explains: -How to select and use binoculars and telescopes -How to best observe stars, the moon, planets, comets, meteors, and other celestial objects -How to use star charts Profusely illustrated with photographs, diagrams, charts, and tables, this guide is recommended by leading astronomers.

"Unless otherwise noted, Scripture quotations are from the New King James

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Version of the Bible."--T.p. verso.

One of the coolest things about outer space is that anyone can explore it. Using plain sight, binoculars, or a small telescope, Dr. Betts shows young stargazers how easy it is to explore space, just by stepping outside and looking up. Full color.

Both beginning/novice amateur astronomers (at the level of Astronomy and Night Sky magazine readers), as well as more advanced amateur astronomers (level of Sky and Telescope) will find this book invaluable and fascinating. It includes detailed up-to-date information on sources, selection and use of virtually every major type, brand and model of such instruments on today's market. The book also includes details on the latest released telescope lines, e.g. the 10-, 12-, 14- and 16-inch aperture models of the Meade LX-R series. As a former editor for Sky & Telescope, Astronomy, and Star & Sky magazines, the author is the ideal person to write this book.

Reach for the stars Stargazing is the practice of observing the night sky and its contents - from constellations through to planets and galaxies. Stars and other night sky objects can be seen with the naked eye, or seen in greater numbers and in more detail with binoculars or a telescope. Stargazing For Dummies offers you the chance to explore the night sky, providing a detailed guide to the main

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constellations and also offering advice on viewing other night sky objects such as planets and nebulae. It's a great introduction to a fun new hobby, and even provides a fun way to get the kids outside while doing something educational! Gives you an introduction to looking at the sky with binoculars or a telescope Offers advice on photographing the night sky Without needing to get your head around mind-bending theories, you can take part in some practical physics If you're looking for easy-to-follow guidance on getting to know the night sky, Stargazing For Dummies has you covered.

How do I get started in astronomy? Should I buy binoculars or a telescope? What can I expect to see? This wonderful beginners' guide to astronomy covers all the information you need to get started. This second edition has been fully updated and now includes new illustrations, the latest astronomy equipment and celestial events through to the year 2025. It starts by explaining the basic techniques and equipment you need for exploring the skies before taking you on a tour of the night sky, covering the Moon, Sun, stars, planets and more. Any necessary technical terms are clearly explained. The author gives sound advice on using and purchasing affordable binoculars, telescopes and accessories, and the book is illustrated with photos taken by the author, showing how objects in the sky actually look through modest amateur equipment. It contains a comprehensive

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glossary and references to further astronomy resources and websites.

Provides advice on choosing binoculars and telescopes, and explains how to use them for observing the solar system and the stars

Many Stargazers Assume They Must Invest Hundreds or even thousands of dollars in equipment before they can enjoy the wonders of the night sky. The truth is, though, that all you need is a simple pair of binoculars. This handy guide explains how to choose binoculars and use them to observe everything from comets to solar eclipses. Ideal for amateur astronomers of all ages, Binocular Stargazing is the perfect way to see the night sky through new eyes. Serves as a useful reference guide to stargazers around the world.

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

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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!

Sets out a simple month-by-month program to reveal all of the night sky's biggest and most beautiful secrets in just one year – and with only a few hours of stargazing each month. By investing just an hour a week and \$50 in binoculars, it's possible to learn a few simple techniques and quickly gain a real insight into the night sky's ever-changing patterns – and what they tell us about Earth, the seasons and ourselves. Searching more for a learned appreciation of nature and our exact place within the cosmos than academic scientific knowledge, science and travel writer Jamie Carter takes the reader on a 12 month tour of the night sky's incredible annual rhythms that say so much about Earth. During the journey he learns about the celestial mechanics at work in the skies above that are – to the beginner – almost beyond belief. As well as the vital constellations and clusters, and the weird and wonderful nebulas, he searches out “dark sky destinations” across the globe that help increase knowledge and give a new perspective on familiar night sky sights. On the journey he witnesses a solar eclipse and grapples with star-charts, binoculars, smartphone apps, telescopes, spots satellites and attempts basic astro-photography. By year's end, the reader will be able to glance at the night sky from anywhere on the planet and tell what direction he or she is facing, what time it is, where all the planets are and even where the Galactic Center Point is.

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.

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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 keys 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.

Binocular Highlights is a tour of 109 different celestial sights--from softly glowing clouds of gas and dust to unusual stars, clumps of stars, and vast star cities (galaxies)--all visible in binoculars. Each object is plotted on a detailed, easy-to-use star map, and most of these sights can be found even in a light-polluted sky. Also included are four seasonal all-sky charts that help locate each highlight. You don't need fancy or expensive equipment to enjoy the wonders of the night sky. In fact, as even experienced stargazers know, to go beyond the naked-eye sky and delve deep into the universe, all you need is a pair of binoculars--even the ones hanging unused in your closet. If you don't own any, Binocular Highlights explains what to look for when choosing binoculars for stargazing and provides observing tips for uses of these portable and versatile mini-telescopes.

A beautifully presented, practical gift guide to 50 sights in the skies above us – complete with a glow-in-the dark front cover. Explained with fascinating, easy-to-understand commentary from astrophysicist and science communicator, Sarah Barker, and illustrated throughout with captivating drawings by Maria Nilsson, each guide helps you locate an incredible sight. The

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book is divided into three main sections – and whether you use the naked eye, a telescope, or fall into a black hole of online research, you'll discover the limitless wonder of the skies – from otherworldly phenomena on Earth like sun dogs, to planets, moons, stars, lunar craters and galaxy clusters. **Naked Eye:** Learn how navigators travelled in the past by finding the North Star; say hello to our astronauts and learn how to spot the International Space Station; see a red supergiant star (Betelgeuse); and find out more about solar eclipses. **Further Afield:** Find out more about the next closest galaxy, Andromeda; learn about the discovery of Saturn's 'ears' (or rings!); spot an alien storm that's as big as the Earth; and track 'Little Green Men' and ice volcanoes. **Far, Far Away:** Learn how baby stars are created by the Pillars of Creation; marvel at the Hubble Deep Field; and unearth the brightest things in our universe, quasars. The book also includes advice on ideal conditions for observing the stars, telescopes and binoculars, and navigating the skies. With extra tips and a rundown of useful tools, you'll find everything you need to get out there and look up!

This comprehensive work takes you on a personal tour of the universe using nothing more than a pair of binoculars. More comprehensive than any book currently available, it starts with Earth's nearest neighbor, the moon, and then goes on to explore each planet in the solar system, asteroids, meteors, comets and the sun. Following this, the reader is whisked away into deep space to explore celestial bodies including stars that are known and many sights less familiar. The final chapter includes a detailed atlas of deep-sky objects visible

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through binoculars. The appendices include guidance on how to buy, care for and maintain astronomical binoculars, tips and hints on using them, and detailed information on several home-made binocular mounts.

Presents information about using binoculars for astronomy, discussing how they work and the models available, and describing the celestial bodies that can be observed in the night sky for every month of the year in the southern and northern hemispheres.

Anyone interested in astronomy battles with the conveniences of modern living – street lights, advertising and security lighting, tall buildings, and even the occasional tree. More than 85% of the population now lives in crowded and light-polluted towns and cities. This book is for those who live in or near towns and cities and own relatively modest equipment, although observers with larger instruments will still find many of the target objects of interest. The book encourages the use of star-hopping techniques to find objects in the night sky. Included is a list of 100 popular deep sky objects, ranked according to how difficult they are to find. Each object is described and has companion star-hopping charts, images and sometimes sketches. As a result, readers can gain a sense of their own backyard view from Earth. There is also a top 30 list of lunar objects, a section on planetary observing, annotated lists of popular astronomy

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apps and software, and tips on how to make the most of your location. *Stargazing Under Suburban Skies: A Star-Hopper's Guide* is the essential companion to what can be seen and how, regardless of the obstacles. This book contains everything an astronomer needs to know about binocular observing. The book takes an in-depth look at the instruments themselves. It has sections on evaluating and buying binoculars and binocular telescopes, their care, mounting, and accessories. In addition there is a selection of fifty fine objects to be seen with 50mm and 100mm binoculars. The advantages of using both eyes for astronomical observing are many and considerable, largely because of the way the human brain processes visual information. This book enables the astronomer to maximize those advantages.

The sun, moon, stars, and planets have been a source of wonder and fascination for as long as humans have inhabited the earth. In *Sky Gazing*, a highly visual guide to observing the sky with the naked eye, kids aged 9–14 will delve into the science behind what they see, whether they live in a dark rural setting or under the bright lights of the city. Exploring astronomical objects and events, this captivating book takes young readers on a tour of our solar system and deep space beyond, with explanations of how objects like Earth's moon were formed and the “why” behind phenomena such as eclipses, northern lights, and meteor

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showers. Curious sky gazers will discover how to find and observe planets — no binoculars or telescopes required! — and star charts will guide them in spotting constellations throughout the seasons and in both hemispheres while they learn about constellation myths from cultures around the world. Activities include tracking the cycles of the sun and moon and observing the sky during daylight hours or on a cloudy night, while astronomer profiles and sidebars on space technology and current issues such as light pollution help ground kids' discoveries in the ancient and enduring science of studying the sky.

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

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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.

A guide to viewing stars, the moon, planets, meteors, comets, and aurora through binoculars. Features a foreword by renowned astronomer and writer David Levy. Includes a complete guide to current binocular brands and models and explains what to look for in each season.

Amateur astronomers of all skill levels are always contemplating their next telescope, and this book points the way to the most suitable instruments. Similarly, those who are buying their first telescopes – and these days not necessarily a low-cost one – will be able to compare and contrast different types and manufacturers. This exciting and revised new guide provides an extensive overview of binoculars and telescopes. It includes detailed up-to-date information on sources, selection and use of virtually every major type, brand, and model on today's market, a truly invaluable treasure-trove of information and helpful advice for all amateur astronomers. Originally written in 2006, much of the first edition is inevitably now out of date, as equipment advances and manufacturers come and go. This second edition not only updates all the existing sections of "A Buyer's and User's Guide to Astronomical Telescopes and Binoculars" but adds two new ones: Astro-imaging and Professional-Amateur collaboration. Thanks to the rapid and amazing developments that have been made in digital cameras – not

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those specialist cool-chip astronomical cameras, not even DSLRs, but regular general-purpose vacation cameras – it is easily possible to image all sorts of astronomical objects and fields. Technical developments, including the Internet, have also made it possible for amateur astronomers to make a real contribution to science by working with professionals. Selecting the right device for a variety of purposes can be an overwhelming task in a market crowded with observing options, but this comprehensive guide clarifies the process. Anyone planning to purchase binoculars or telescopes for astronomy – whether as a first instrument or as an upgrade to the next level – will find this book a treasure-trove of information and advice. It also supplies the reader with many useful hints and tips on using astronomical telescopes or binoculars to get the best possible results from your purchase.

The Casual Sky Observer's Pocket Guide offers an observing program for occasional amateur observers looking for some quick, fun astronomy adventures under the stars. In the real world, where time for observing is limited, the weather is seldom perfect, and expensive equipment is not an option, amateur astronomy may not be seen as a worthwhile activity. However, portable and quick-to-set-up instruments are available. A pair of binoculars or a small telescope fills the bill. And the way to make the most of these instruments is described in the Casual Sky Observer's Pocket Guide. Not only does the book feature the best and brightest showpieces of the heavens; it also provides a great deal of physical and environmental data as well as lots of fascinating

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information and beautiful illustrations that provide a unique perspective on the many treasures within and beyond our home galaxy, the Milky Way--stars, star clusters, other galaxies, and nebulae, all within reach of binoculars or a small telescope.

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

Written for the amateur astronomer who wants to discover more in the night sky, this book explores the constellations and reveals many of the highlights visible with just your eyes or binoculars. The highlights include: * The myths and legends associated with the stars * Bright stars and multiple stars * Star clusters * Nebulae * Galaxies Each constellation has its own star chart and almost all are accompanied by graphics depicting the highlights and binocular views of the best objects. Whether you're new to astronomy or are an experienced stargazer simply looking to learn more about the constellations, this book is an invaluable guide to the night sky and the stars to be found there. Praise for other books by Richard J. Bartlett: "Would recommend, nicely laid out and easy to follow sky guide. Sensible and clear advice. I have a small scope and this books helped me enjoy it much more." by Dan M., on January 30, 2016 reviewing "Easy Things to See With a Small Telescope" "This is my third book from Mr. Bartlett and this one is as good as the others. I recommend it to all the beginners in my astronomy club." By Darren C. Bly on August 15, 2015 reviewing "2016: The Night Sky Sights" "Lots of wonderful information. A great reference guide and easy to follow.

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Every star gazer should have one with them" - By janine on November 18, 2015 reviewing "2015 An Astronomical Year" "This is a superb book, well laid out and easy to follow even if you are a complete novice or keen astronomer." by mr Fletcher on October 26, 2014 reviewing "The Astronomical Almanac, 2015-2019"

Have Fun Exploring the Stars with Close-up Views of Space Objects Right from Your Own Backyard Take the mystery and struggle out of discovering new worlds. With hands-on tips, tricks and instructions, this book allows you to unleash the full power of your small telescope and view amazing space objects right from your own backyard, including: • Saturn's Rings • Jupiter's Moons • Apollo 11's Landing Site • Orion Nebula • Andromeda Galaxy • Polaris Double Star • Pegasus Globular Cluster • And much, much more!

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

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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.

Useful guide and reference for amateur astronomers exploring the night sky through handheld binoculars.

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