Stargazing With Binoculars

Patrick Moore's painstakingly researched, beautifully illustrated guide to astronomical observation for casual and serious observers.
Presents information about using binoculars for astronomy, describing 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.
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. 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"
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.

10 Simple Things You Must Know About Astronomy Astronomy and space is all about lust for learning. Did you know that astronomy is one of humanity's oldest sciences? In fact, astronomy is one of the earliest sciences that humanity has ever pursued. So the study of our universe is not new but you should remember that astronomy is a science. A science for the masses. And, astronomy is a field about which most of the world knows very little. Here's a preview of what you will learn: - Astronomy Binoculars - Astronomy or Astrology - Beyond the Naked Eye - and More GRAB YOUR COPY TODAY!

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.

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.

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

Binoculars have, for many, long been regarded as an “entry level” observational tool, and relatively few have used them as a serious observing instrument. This is changing! Many people appreciate the relative comfort of two-eyed observing, but those who use binoculars come to realize that they offer more than comfort. The view of the stars is more aesthetically pleasing and therefore binocular observers tend to observe more frequently and for longer periods. “Binocular Astronomy”, 2nd edition, extends its coverage of small and medium binoculars to large and giant (i.e., up to 300mm aperture) binoculars and also binoviewers, which brings the work into the realm of serious observing instruments. Additionally, it goes far deeper into the varying optical characteristics of binoculars, giving newcomers and advanced astronomers the information needed to make informed choices on purchasing a pair. It also covers relevant aspects of the physiology of binocular (as in “both eyes”) observation. The first edition of this title was praised for its suggested objects for observation and especially for the finder charts for each object. In this second edition, this section is expanded in three ways. There are new objects, with more information on each object, and a re-organization of the objects for binoculars for easier selection for readers. “Binocular Astronomy” 2nd Edition puts an emphasis on understanding binoculars and their use. The additional content in this second edition reflects the latest developments in technology, available testing techniques, and practical ideas for binocular use. It also responds to the substantially positive reviews of the first edition, and is now even better

suited to its target readership.

Reach for the stars Stargazing is the practice of observing the night sky and itscontents - 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 atelescope. Stargazing For Dummies offers you the chance to explorethe night sky, providing a detailed guide to the mainconstellations and also offering advice on viewing other night skyobjects such as planets and nebulae. It's a great introduction to afun new hobby, and even provides a fun way to get the kids outsidewhile doing something educational! Gives you an introduction to looking at the sky with binocularsor 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 knowthe night sky, Stargazing For Dummies has you covered.

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 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.

Astronomy for Kids is a fun, how-to-guide to explore outer space with binoculars, a telescope, or just your eyes! One of the coolest things about outer space is that anyone can explore it. All you have to do is go outside and look up! Using plain sight, binoculars, or a small telescope, Astronomy for Kids shows stargazers how easy it is to explore space, just by stepping outside. With this book as their guide to the northern hemisphere, kids will learn to find and name amazing objects in the night sky. Fully illustrated with fun facts throughout, kids can point out sights to friends and family, saying things like, "that's Jupiter," and, "those stars are the constellation Cygnus the Swan," and maybe even, "that group of stars doesn't have a name but I think it looks like my dog getting belly rubs." From the Milky Way Galaxy to Mars to the Moon's craters and mountains--Astronomy for Kids helps young astronomers discover important parts of our solar system, with: 30 sights for the naked eye (yes, 30!) objects to see without any equipment, including Orion's Belt, the Big Dipper, Mars, and even the International Space Station. 25 sights magnified with binoculars or a basic telescope to make objects in the sky easier to find and explore. Plus, buying tips and usage tricks to get the most out of astronomy equipment. Clear illustrations that show kids where to look and what they can expect to see. Like all big things, outer space is something you have to see to believe. Astronomy for Kids teaches kids that planets, shooting stars, constellations, and meteor showers are not only in books--but right in front of them.

An accessible, informative guide to identifying constellations and other incredible

features of the sky, whether you're hiking, camping, or stargazing from your backyard. Discover the Stars leads you on a tour of all the stars and constellations visible with the naked eye and introduces you to deep-sky objects that can be seen with binoculars or a simple telescope. The tour is conducted by the editor of Astronomy magazine, Richard Berry, whose two-color, computer-plotted sky maps and clear instructions make stargazing fun and productive from your first night out. The heart of Discover the Stars is two sections of big, beautiful sky maps and charts. The first section features twelve maps that show the entire sky overhead as it appears during each month of the year. These outline all the constellations visible anywhere in the Northern Hemisphere, and the accompanying text reveals the rich ancient mythology that surrounds the star groups. The second section is made up of twenty-three star charts that depict smaller regions of the sky in great detail. These charts give the names of key stars and lead you to fascinating features such as stars with unusual colors, double stars, variable stars, nebulae, and galaxies. Separate chapters cover basics, such as how the stars move through the sky, how to find your way around the moon and the planets, making an astronomer's flashlight, and choosing and using a telescope—all in terms that are easy to grasp and remember. Discover the Stars is the perfect introduction to the heavens, simple enough to be useful if you're just starting out but packed with enough information to keep you learning and enjoying the stars for years to come.

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, 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.

The very first work of its kind, Celebrating the Universe: The Science & Spirituality of Stargazing is a guide to the wonders of the heavens visible to the unaided eye and in binoculars, with a focus on the "soul" of the night sky! This

travel guide to the stars is written from a metaphysical and spiritual perspective in additional to a scientific one. The unique unifying theme throughout is the personal benefits of communing with celestial wonders firsthand—the joy and heady excitement of participating in the great cosmic drama unfolding nightly overhead. This involves such little-known aspects of stargazing as therapeutic relaxation, celestial meditation, expansion of consciousness, spiritual contact, and astral travel. Everything the budding stargazer and celestial pilgrim needs for this cosmic journey is contained within this volume, from how to observe the sky . . . to what to see—and why! Covered are the Sun, Moon, and all of the planets; comets, asteroids, meteors, and artificial satellites; variable and exploding stars, colorful double and multiple stars, and glittering star clusters; and eerie glowing nebulae, our majestic Milky Way, and even the remote galaxies. Astronomer and author James Mullaney explores profound concepts such as our heritage as children of the stars (we are made of stardust!) and our cosmic destiny (as citizens of the universe!)—all from an aesthetic viewpoint.

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.

Praise for Craig Crossen and Gerald Rhemann's, Sky Vistas Astronomy "This is a practical and stunningly beautiful guide whose core is a descriptive tour of the best celestial sights: open and globular clusters, nebulae, galaxies, and large areas of sky. The photos in black and white and color, are magnificent. The text goes beyond ordinary descriptions to tell the reader something about each object’s nature." Sky & Telescope "Packed with information that I have encountered nowhere else in amateur-astronomy literature. Sky Vistas also includes 48 full-page color astrophotos by Gerald Rhemann, most of which are magnificent."

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

See What's Out There To experience the greatest show on Earth, all you have to do is look up. Whether you're stargazing from a bustling city or a small-town backyard, Astronomy with a Home Telescope helps you deepen your appreciation of the diverse, dazzling constellations--with either a home telescope or a pair of binoculars. Ideal for budding astronomers to astronomy buffs, Astronomy with a Home Telescope provides the origin and history behind the celestial bodies and how they came to be in space. Featuring full-color photos, easy-to-follow chapters, and helpful resources, this introductory guide will deepen

every astronomy enthusiast's know-how of the night sky. Get set for stargazing, with: Informative profiles of the 50 most common astronomy objects, from the Moon to Mars to Venus, plus fun astronomy pop culture references A double-page spread featuring a clear schedule of solar and lunar eclipses Budget-friendly tips for viewing with the naked eye or binoculars Expert tips for cleaning and maintaining low- or high-powered telescopes Expand your horizons. Astronomy with a Home Telescope is the ideal companion for exploring the cosmos.

An introductory guide for the amateur astronomer without telescope identifies suitable binoculars, covers features of the sun, moon, planets, stars, comets, and meteors, and includes star maps and tables

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

Binocular Highlights is a tour of 96 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 star gazers know, to go beyond the naked-eye sky and delve deep into the universe, all you need are 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 star gazing and provides observing tips for users of these portable and versatile mini-telescopes. Sprial-bound with readable paper spine, full color throughout.

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 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 StargazingCLICK the ORDER link to get a copy now!

This book describes bow the owner of binoculars can use them for astronomical observation. A full description of the 'binocular sky' is given, with details of all the most interesting objects. On a clear dark night, with a myriad stars shining down, the jewelled beauty and the unimaginable immensity of our universe is awe-inspiring. Some people make the investment that is required to buy a telescope, but for many others, stargazing through binoculars can be just as rewarding and may lead to a deep interest and lifelong hobby! Patrick Moore has painstakingly researched this book to cater for such people. He carefully explains the rudiments of astronomy and the selection of suitable binoculars before discussing in more detail the array of beautiful astronomical objects that await the binocular observer - stars, clusters, nebulae and galaxies. The night sky that is seen by observers in both northern and southern hemispheres is charted season by season before a detailed presentation is made, with maps, of all the constellations. The use of binoculars for observing the sun, the Moon, the planets, comets and shooting stars is then described. The illustrations throughout have been prepared by the artist Paul Doherty working in close collaboration with the author.

This book introduces you to the bright stars and major constellations, along with dozens of deep-sky sights of interest within each constellation, such as galaxies, binary stars, nebulae, and star clusters. It assume you are equipped with nothing more than simple pair of binoculars, and that you know nothing of astronomy or the layout of the night sky. ... astonishing advances in astronomy over the past century have badley dated most of the scientific explanation in the original book [eg., Astronomy with an opera glass, 1890]. This edition fixes that problem. It includes a complete update of the science related to the stars and astronomical sights described in the book. You get completely up-to-date explanations of the science of astronomy, combined with the historical explanation and easy charm of the Garrett Serviss' original work. -- From the Introduction, p. 2-3.

This book covers beginning back yard astronomy with binoculars and telescopes. It also includes easy to follow polar alignment and star charts.Table of Contents:IntroductionLearning AstronomyBinocularsBinocular CollimationTelescopes and Spotting ScopesMagnificationField of ViewLight GatheringTripods and MountsFiltersPolar Alignment with an Equatorial MountAstrophotographyDSLR AstrophotographyAstrophotography Without TrackingWebsites and SoftwareAstronomy

ClubsStar Charts for the Northern HemisphereConstellationsMoon PhasesPerspective of Earth and the Universe

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

Stargazing with BinocularsFirefly Books Limited

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 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.

You do not need an expensive telescope for stargazing: You can explore the Milky Way and even observe the next galaxies with a simple pair of binoculars! This book shows you many of the most interesting celestial targets for binoculars for each season of the year. All you need is a dark observation site. If you don't have a pair of binoculars yet, you will also find tips for buying and testing. There is also a description of the different classes of objects for beginners. You can easily explore the night sky with this book - all you need is a pair of binoculars and curiosity! This is the English edition of Astronomie

mit dem Fernglas.
Viewing the Constellations with Binoculars is a complete guide to practical astronomy, written for beginners, intermediate-level astronomers, and even people who have not yet turned their gaze to the night sky. The required observing equipment to get the full value from this book is no more than a pair of regular 10 x 50 binoculars, but even more can be seen with a small astronomical telescope. This comprehensive introduction to astronomy and practical observing is far more than a guide to what can be seen in the night sky through binoculars. It introduces the reader to some basic (and some not-so-basic) astronomical concepts, and discusses the stars and their evolution, the planets, nebulae, and distant galaxies. There is a guide to selecting and using binoculars for astronomy, as well, as a ‘getting ready to observe’ section containing invaluable practical hints and tips. The second part of the book is an extraordinarily complete atlas and guide to the night sky down to 30o N (covering all the USA and Europe). It is illustrated with superb and sometimes beautiful amateur astronomical photographs, detailed maps (down to 5th magnitude), descriptions, and data on all astronomical objects of interest.
This Book introduces everyone to the joys of Observational Astronomy with ust the use of Binoculars
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 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.