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### KEY=METEOR - JORDYN SADIE

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**Meteor Showers and their Parent Comets Cambridge University Press** Meteor Showers and their Parent Comets is a unique handbook for astronomers interested in observing meteor storms and outbursts. Spectacular displays of 'shooting stars' are created when the Earth's orbit crosses a meteoroid stream, as each meteoroid causes a bright light when it enters our atmosphere at high speed. Jenniskens, an active meteor storm chaser, explains how meteoroid streams originate from the decay of meteoroids, comets and asteroids, and how they cause meteor showers on Earth. He includes the findings of recent space missions to comets and asteroids, the risk of meteor impacts on Earth, and how meteor showers may have seeded the Earth with ingredients that made life possible. All known meteor showers are identified, accompanied by fascinating details on the most important showers and their parent comets. The book predicts when exceptional meteor showers will occur over the next fifty years, making it a valuable resource for both amateur and professional astronomers. **The Meteorite & Tektite Collector's Handbook A Practical Guide to Their Acquisition, Preservation and Display Richmond, Va. : Willmann-Bell Field Guide to Meteors and Meteorites Springer Science & Business Media** What is unique about Richard Norton's book is that it is both a field guide to observing meteors, and also a field guide to locating, preparing and analysing meteorites. In addition to giving the reader information about observing techniques for meteors, this book also provides a fully detailed account of the types of meteorites, how and where to find them, how to prepare and analyse them. The book provides everything the amateur astronomer (or geologist!) needs to know about meteors and meteorites. It is thus the only complete book on the subject available at present. **Meteoroids Sources of Meteors on Earth and Beyond Cambridge University Press** The definitive guide to modern meteor science, destined to be the standard resource for advanced students and researchers. **Photographing National Parks A Guide for Scouting and Shooting America's Most Cherished Lands** From sea to shining sea, the national parks preserve some of the country's most unique wilderness areas. As such, they are a gift to nature photographers everywhere. In the pages of Photographing National Parks, Chris Nicholson delves into what all the parks offer to the photographer, and how to best research and prepare for a trip to explore the artistic opportunities within. Learn how to travel safely and photograph in the various environments found in the park system, including desert, alpine, forest and coastline. Discover where to find valuable information about iconic and secret photo locations, how to stay powered up in the outdoors, and ideas for ancillary gear that will make a photo project more efficient and productive. **Modern Meteor Science An Interdisciplinary View Springer Science & Business Media** This volume contains leading edge research and authoritative reviews in meteor science. It provides a comprehensive view of meteoroid research including the dynamics, sources and distribution of these bodies. Techniques for investigation of meteor phenomena in the book include conventional and large aperture radar systems, spacecraft detection, optical systems, spectral measurements, and laboratory based interplanetary dust particle studies. **2022 Guide to the Night Sky: A month-by-month guide to exploring the skies above North America HarperCollins UK** This is the ideal resource for beginners and experienced stargazers in the United States and Canada, and has been updated to include new and practical information covering events occurring in North America's night sky throughout 2022. **Fire in the Sky Cosmic Collisions, Killer Asteroids, and the Race to Defend Earth Simon and Schuster** Combining history, pop science, and in-depth reporting, a fascinating account of asteroids that hit Earth long ago, and those streaming toward us now, as well as how we are preparing against asteroid-caused catastrophe. One of these days, warns Gordon Dillow, the Earth will be hit by a comet or asteroid of potentially catastrophic size. The only question is when. In the meantime, we need to get much better at finding objects hurtling our way, and if they're large enough to penetrate the atmosphere without burning up, figure out what to do about them. We owe many of science's most important discoveries to the famed Meteor Crater, a mile-wide dimple on the Colorado Plateau created by an asteroid hit 50,000 years ago. In his masterfully researched Fire in the Sky, Dillow unpacks what the Crater has to tell us. Prior to the early 1900s, the world believed that all craters—on the Earth and Moon—were formed by volcanic activity. Not so. The revelation that Meteor Crater and others like it were formed by impacts with space objects has led to a now accepted theory about what killed off the dinosaurs, and it has opened up a new field of asteroid observation, which has recently brimmed with urgency. Dillow looks at great asteroid hits of the past and spends time with modern-day asteroid hunters and defense planning experts, including America's first Planetary Defense Officer. Satellite sensors confirm that a Hiroshima-scale blast occurs in the atmosphere every year, and a smaller, one-kiloton blast every month. While Dillow makes clear that the objects above can be deadly, he consistently inspires awe with his descriptions of their size, makeup, and origins. At once a riveting work of popular science and a warning to not take for granted the space objects hurtling overhead, Fire in the Sky is, above all, a testament to our universe's celestial wonders. **Spectral Atlas for Amateur Astronomers A Guide to the Spectra of Astronomical Objects and Terrestrial Light Sources Cambridge University Press** Featuring detailed

commented spectral profiles of more than one hundred astronomical objects, in colour, this spectral guide documents most of the important and spectroscopically observable objects accessible using typical amateur equipment. It allows you to read and interpret the recorded spectra of the main stellar classes, as well as most of the steps from protostars through to the final stages of stellar evolution as planetary nebulae, white dwarfs or the different types of supernovae. It also presents integrated spectra of stellar clusters, galaxies and quasars, and the reference spectra of some terrestrial light sources, for calibration purposes. Whether used as the principal reference for comparing with your recorded spectra or for inspiring independent observing projects, this atlas provides a breathtaking view into our Universe's past. The atlas is accompanied and supplemented by *Spectroscopy for Amateur Astronomers*, which explains in detail the methods for recording, processing, analysing and interpreting your spectra. **Lunar Sourcebook A User's Guide to the Moon CUP Archive** The only work to date to collect data gathered during the American and Soviet missions in an accessible and complete reference of current scientific and technical information about the Moon. **Rare Earth Why Complex Life is Uncommon in the Universe Springer** What determines whether complex life will arise on a planet, or even any life at all? Questions such as these are investigated in this groundbreaking book. In doing so, the authors synthesize information from astronomy, biology, and paleontology, and apply it to what we know about the rise of life on Earth and to what could possibly happen elsewhere in the universe. Everyone who has been thrilled by the recent discoveries of extrasolar planets and the indications of life on Mars and the Jovian moon Europa will be fascinated by *Rare Earth*, and its implications for those who look to the heavens for companionship. **The Rock from the Sky Look up! From the Caldecott Medal-winning creator of the Hat Trilogy comes a new deadpan gem. Turtle really likes standing in his favorite spot. He likes it so much that he asks his friend Armadillo to come over and stand in it, too. But now that Armadillo is standing in that spot, he has a bad feeling about it . . . Here comes The Rock from the Sky, a hilarious meditation on the workings of friendship, fate, shared futuristic visions, and that funny feeling you get that there's something off somewhere, but you just can't put your finger on it. Merging broad visual suspense with wry wit, celebrated picture book creator Jon Klassen gives us a wholly original comedy for the ages.** **Night Photography From Snapshots to Great Shots Peachpit Press** Are you a night owl looking to make stunning images of streetscapes, fireworks, or the night sky? Do you like to bend time with long exposure photography? Do star trails or lightning strikes inspire you? Then this book is for you! In *Night Photography: From Snapshots to Great Shots*, photographer Gabriel Biderman brings you the basics of digital night photography—exposure, composition, and light—and how to scout and capture different nocturnal locations once the sun goes down. Gabriel will help you understand the fundamentals and bring your unique artistic expression to any night situation. In this beautifully illustrated guide you will: Focus in the dark and master basic composition rules—and know when to break them Understand metering and switch to manual mode for more control over your exposure Set white balance, understand color temperature, and add flash or slow sync Explore color, light painting, and creative ways to play with light in your images Learn what gear works best for your style of shooting and strategies for operating your equipment in the dark Discover expert techniques for post-processing your nighttime images in Lightroom and Photoshop Beautifully illustrated with large, compelling photos, this book teaches you how to take control of your photography to get the image you want every time. And once you have the shot, show it off and join the book's Flickr group: [www.flickr.com/groups/night\\_fromsnapshottogreatshots](http://www.flickr.com/groups/night_fromsnapshottogreatshots) **Meteor! Penguin A quiet rural community is dramatically changed when a meteor crashes down in the front yard of the Gaw family.** **Night Photography and Light Painting Finding Your Way in the Dark CRC Press** Lance Keimig, one of the premier experts on night photography, has put together a comprehensive reference that will show you ways to capture images you never thought possible. This new edition of *Night Photography* presents the practical techniques of shooting at night alongside theory and history, illustrated with clear, concise examples, and charts and stunning images. From urban night photography to photographing the landscape by starlight or moonlight, from painting your subject with light to creating a subject with light, this book provides a complete guide to digital night photography and light painting. **Meteor Shower Concord Theatricals** Corky and Norm are excited to host Gerald and Laura at their home in the valley outside Los Angeles to watch a once-in-a-lifetime meteor shower. But as the stars come out and the conversation gets rolling, it becomes clear that Gerald and Laura might not be all that they appear to be. Over the course of a crazy, starlit dinner party, the wildly unexpected occurs. The couples begin to flirt and insanity reigns. Martin, using his trademark absurdist humor, bends the fluid nature of time and reality to create a surprising and unforgettably funny new play. **The Actor's Life A Survival Guide BenBella Books** Jenna Fischer's Hollywood journey began at the age of 22 when she moved to Los Angeles from her hometown of St. Louis. With a theater degree in hand, she was determined, she was confident, she was ready to work hard. So, what could go wrong? Uh, basically everything. The path to being a professional actor was so much more vast and competitive than she'd imagined. It would be eight long years before she landed her iconic role on *The Office*, nearly a decade of frustration, struggle, rejection and doubt. If only she'd had a handbook for the aspiring actor. Or, better yet, someone to show her the way—an established actor who could educate her about the business, manage her expectations, and reassure her in those moments of despair. Jenna wants to be that person for you. With amusing candor and wit, Fischer spells out the nuts and bolts of getting established in the profession, based on her own memorable and hilarious experiences. She tells you how to get the right headshot, what to look for in representation, and the importance of joining forces with other like-minded artists and creating your own work—invaluable advice personally acquired from her many years of struggle. She provides helpful hints on how to be gutsy and take risks, the tricks to good auditioning and callbacks, and how not to fall for certain scams (auditions in a guy's apartment are probably not legit—or at least not for the kind of part you're looking for!). Her inspiring, helpful guidance feels like a trusted friend who's made the journey, and has now returned to walk beside you, pointing out the pitfalls as you blaze your own path towards the life of a professional actor. **The Star Atlas Companion What you need to know about the Constellations Springer Science & Business Media** Conventional star atlases are great for locating constellations and individual stars but *The Star Atlas Companion* goes one step further and describes the physical properties of more than 1,100 stars. With the aid of scale diagrams, the reader can get a real sense of the sizes, shapes, distances, and surface features of many of the stars visible to the naked eye in both the Northern and Southern Hemispheres. Information on their rotational velocities and periods is given together with their spectral type and luminosity. Binary and multiple star systems are explained in detail. Special mention is made of Barnard's, Kapteyn's, Kepler's, and Van Maanen's Stars and the properties of many open clusters are given. With its emphasis on helping

the amateur astronomer gain a better understanding of what they are looking at. The Star Atlas Companion will provide a new dimension to observing the star and is an invaluable supplement to any star atlas. **Sky Gazing A Guide to the Moon, Sun, Planets, Stars, Eclipses, and Constellations Storey Publishing, LLC** This rich visual guide takes readers aged 9–14 on a journey through the Earth's solar system, around the galaxy, and into deep space to learn about the moon, sun, planets, stars, and constellations. **Starry Eyes Simon and Schuster** When teens Zorie and Lennon, a former couple, are stranded in the California wilderness together, they must put aside their differences, and come to terms with lingering romantic feelings, in order to survive. **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! **The Sun, the Earth, and Near-earth Space A Guide to the Sun-earth System Government Printing Office** "... Concise explanations and descriptions - easily read and readily understood - of what we know of the chain of events and processes that connect the Sun to the Earth, with special emphasis on space weather and Sun-Climate."--Dear Reader. **The Day of the Triffids Rosetta Books** The classic postapocalyptic thriller with "all the reality of a vividly realized nightmare" (The Times, London). Triffids are odd, interesting little plants that grow in everyone's garden. Triffids are no more than mere curiosities—until an event occurs that alters human life forever. What seems to be a spectacular meteor shower turns into a bizarre, green inferno that blinds everyone and renders humankind helpless. What follows is even stranger: spores from the inferno cause the triffids to suddenly take on a life of their own. They become large, crawling vegetation, with the ability to uproot and roam about the country, attacking humans and inflicting pain and agony. William Masen somehow managed to escape being blinded in the inferno, and now after leaving the hospital, he is one of the few survivors who can see. And he may be the only one who can save his species from chaos and eventual extinction . . . With more than a million copies sold, The Day of the Triffids is a landmark of speculative fiction, and "an outstanding and entertaining novel" (Library Journal). "A thoroughly English apocalypse, it rivals H. G. Wells in conveying how the everyday invaded by the alien would feel. No wonder Stephen King admires Wyndham so much." —Ramsey Campbell "One of my all-time favorite novels. It's absolutely convincing, full of little telling details, and that sweet, warm sensation of horror and mystery." —Joe R. Lansdale **Night Sky Almanac 2022: A stargazer's guide HarperCollins UK** The perfect gift for amateur and seasoned astronomers. Follow the progress of constellations throughout the seasons with this beautiful companion to the night sky from Astronomy experts Collins. **Backpacker** Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured. **David Levy's Guide to the Night Sky Cambridge University Press** Introduces beginners to amateur astronomy, describes what to look for and when--beginning with the solar system and moving on to the stars--and offers suggestions for better observations. **Sophie's World A Novel About the History of Philosophy Farrar, Straus and Giroux** One day Sophie comes home from school to find two questions in her mail: "Who are you?" and "Where does the world come from?" Before she knows it she is enrolled in a correspondence course with a mysterious philosopher. Thus begins Jostein Gaarder's unique novel, which is not only a mystery, but also a complete and entertaining history of philosophy. □□□□□□□□□□ **Historical Observational Records of Comets and Meteor Showers from China, Japan, and Korea** Until now, important research on the historical records of comets and meteor showers from China, Japan, and Korea has remained the exclusive preserve of those with expertise in the relevant languages. With a compilation like the present volume the authors hope to ameliorate that situation. Applying the same rigorous selection criteria and style of presentation as in the previous catalogue, assembled and translated here are some 1,500 additional observations of comets and meteor showers from China, Japan, and Korea spanning nearly three millennia. With the publication of this volume, most of the important historical records of East Asian astronomical observations are now accessible in English. The introductions and appendices provide all the required information on specialized terminology, recording conventions, and nomenclature the reader will need to make use of the records. In addition to being an invaluable resource for professional astronomers, East Asian astronomical records have materially aided the research of scholars in fields as diverse as mythology, medieval iconography, ancient chronology, and the oral history of pre-literate societies. The book should be of great interest to cultural astronomers, as well as to those engaged in historical and comparative research. **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. **Flowers of the Sky A Brief Illustrated Guide to Understanding Islam Darussalam** The book provides information on the evidence for the truth of Islam, some benefits of Islam, and general information on Islam. **Centaur Rising Henry Holt and Company (BYR)** One night during the Perseid meteor shower, Arianne thinks she sees a shooting star land in the fields surrounding her family's horse farm. About a year later, one of their horses gives birth to a baby centaur. The family has enough attention already as Arianne's six-year-old brother was born with birth defects caused by an experimental drug—the last thing they need is more scrutiny. But their clients soon start growing suspicious. Just how long is it possible to keep a secret? And what will happen if the world finds out? At a time when so many novels are set in other worlds, Jane Yolen imagines what it would be like if a creature from another world came to ours in this thoughtfully written, imaginative novel, Centaur Rising. A

Christy Ottaviano Book **Lunar Meteoroid Impacts and How to Observe Them Springer Science & Business Media** The genesis of modern searches for observable meteoritic phenomena on the Moon is the paper by Lincoln La Paz in Popular Astronomy magazine in 1938. In it he argued that the absence of observed fashes of meteoritic impacts on the Moon might be interpreted to mean that these bodies are destroyed as luminous meteors in an extremely rarefied lunar atmosphere. The paper suggested the possibility of systematic searches for such possible lunar meteors. With these concepts in mind, I was surprised to note a transient moving bright speck on the Moon on July 10, 1941. It appeared to behave very much as a lunar meteor would – except that the poorly estimated duration would lead to a strongly hyperbolic heliocentric velocity. Thus, the idea of systematic searches for both possible lunar meteors and meteoritic impact fashes was born. It was appreciated that much time might need to be expended to achieve any positive results. Systematic searches were carried out by others and myself chiefly in the years 1945–1965 and became a regular program at the newly founded Association of Lunar and Planetary Observers, or ALPO.

**Meteorites and the Early Solar System II University of Arizona Press** They range in size from microscopic particles to masses of many tons. The geologic diversity of asteroids and other rocky bodies of the solar system are displayed in the enormous variety of textures and mineralogies observed in meteorites. The composition, chemistry, and mineralogy of primitive meteorites collectively provide evidence for a wide variety of chemical and physical processes. This book synthesizes our current understanding of the early solar system, summarizing information about processes that occurred before its formation. It will be valuable as a textbook for graduate education in planetary science and as a reference for meteoriticists and researchers in allied fields worldwide.

**The Bean Trees A Novel Harper Collins** Clear-eyed and spirited, Taylor Greer grew up poor in rural Kentucky with the goals of avoiding pregnancy and getting away. But when she heads west with high hopes and a barely functional car, she meets the human condition head-on. By the time Taylor arrives in Tucson, Arizona, she has acquired a completely unexpected child, a three-year-old American Indian girl named Turtle, and must somehow come to terms with both motherhood and the necessity for putting down roots. Hers is a story about love and friendship, abandonment and belonging, and the discovery of surprising resources in apparently empty places. Available for the first time in mass-market, this edition of Barbara Kingsolver's bestselling novel, *The Bean Trees*, will be in stores everywhere in September. With two different but equally handsome covers, this book is a fine addition to your Kingsolver library.

**A Skywatcher's Year Cambridge University Press** Something to look for and enjoy, week by week throughout the year.

**The Ultimate Phrasal Verb Book Simon and Schuster** Updated to reflect questions found on the most recent ESL tests, this book presents 400 common phrasal verbs as they are used in everyday English. Phrasal verbs are verbs combined with prepositions or adverbs. Familiarity with phrasal verbs and understanding their use as nouns (breakup, showoff, etc.) or adjectives (spaced-out, broken-down, stressed-out, and many others) is essential to ESL students. Updated information includes: the most commonly used phrasal verbs; activities and examples that reflect our current technology and the world around us; an expanded introduction for the teacher with a thorough breakdown and explanation of phrasal verbs; and, a discussion of separable and inseparable phrasal verbs in Unit I, and more. This book's hundreds of examples in context and hundreds of exercises will be extremely useful to ESL students who are preparing for TOEFL or who simply wish to improve their English.

**Probability, Statistics, and Stochastic Processes John Wiley & Sons** Praise for the First Edition ". . . an excellent textbook . . . well organized and neatly written." —Mathematical Reviews ". . . amazingly interesting . . ." —Technometrics Thoroughly updated to showcase the interrelationships between probability, statistics, and stochastic processes, *Probability, Statistics, and Stochastic Processes, Second Edition* prepares readers to collect, analyze, and characterize data in their chosen fields. Beginning with three chapters that develop probability theory and introduce the axioms of probability, random variables, and joint distributions, the book goes on to present limit theorems and simulation. The authors combine a rigorous, calculus-based development of theory with an intuitive approach that appeals to readers' sense of reason and logic. Including more than 400 examples that help illustrate concepts and theory, the Second Edition features new material on statistical inference and a wealth of newly added topics, including: Consistency of point estimators Large sample theory Bootstrap simulation Multiple hypothesis testing Fisher's exact test and Kolmogorov-Smirnov test Martingales, renewal processes, and Brownian motion One-way analysis of variance and the general linear model Extensively class-tested to ensure an accessible presentation, *Probability, Statistics, and Stochastic Processes, Second Edition* is an excellent book for courses on probability and statistics at the upper-undergraduate level. The book is also an ideal resource for scientists and engineers in the fields of statistics, mathematics, industrial management, and engineering.

**Cadillac Desert The American West and Its Disappearing Water, Revised Edition Penguin** "The definitive work on the West's water crisis." --Newsweek The story of the American West is the story of a relentless quest for a precious resource: water. It is a tale of rivers diverted and dammed, of political corruption and intrigue, of billion-dollar battles over water rights, of ecological and economic disaster. In his landmark book, *Cadillac Desert*, Marc Reisner writes of the earliest settlers, lured by the promise of paradise, and of the ruthless tactics employed by Los Angeles politicians and business interests to ensure the city's growth. He documents the bitter rivalry between two government giants, the Bureau of Reclamation and the U.S. Army Corps of Engineers, in the competition to transform the West. Based on more than a decade of research, *Cadillac Desert* is a stunning expose and a dramatic, intriguing history of the creation of an Eden--an Eden that may only be a mirage. This edition includes a new postscript by Lawrie Mott, a former staff scientist at the Natural Resources Defense Council, that updates Western water issues over the last two decades, including the long-term impact of climate change and how the region can prepare for the future.

**The Old Farmer's Almanac 2022 Houghton Mifflin Harcourt** Happy New Almanac Year! It's time to celebrate the 230th edition of *The Old Farmer's Almanac*! Long recognized as North America's most-beloved and best-selling annual, this handy yellow book fulfills every need and expectation as a calendar of the heavens, a time capsule of the year, an essential reference that reads like a magazine. Always timely, topical, and distinctively "useful, with a pleasant degree of humor," the Almanac is consulted daily throughout the year by users from all walks of life. The 2022 edition contains the fun facts, predictions, and feature items that have made it a cultural icon: traditionally 80 percent-accurate weather forecasts; notable astronomical events and time-honored astrological dates; horticultural, culinary, fashion, and other trends; historical hallmarks; best fishing days; time- and money-saving garden advice; recipes for delicious dishes; facts on folklore, farmers, home remedies, and husbandry; amusements and contests; plus too much more to mention—all in the inimitable Almanac style that has charmed and educated readers since 1792.