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 Real Astronomy with Small Telescopes
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SCARLET GREER

The Photographic Atlas of the Stars Springer Science & Business Media

In Texas, myth often clashes with the reality of everyday government. Explore the state's rich political tradition with Lone Star Politics as the author team explains who gets what and how. Utilizing a comparative approach, the authors set Texas in context with other states' constitutions, policymaking, electoral practices, and institutions as they delve into the evolution of its politics. Critical thinking questions and unvarnished "Winners and Losers" discussions guide students toward understanding Texas government and assessing the state's political landscape. The highly anticipated Seventh Edition includes coverage of the state's response to the COVID pandemic, brand new chapter-level learning objectives, updated demographic and immigration statistics, and new Discussion Starter questions to help in-class discussion on critical policy debates. This title is accompanied by a complete teaching and learning package. Contact your SAGE representative to

request a demo. Digital Option / Courseware SAGE Vantage is an intuitive digital platform that delivers this text's content and course materials in a learning experience that offers auto-graded assignments and interactive multimedia tools, all carefully designed to ignite student engagement and drive critical thinking. Built with you and your students in mind, it offers simple course set-up and enables students to better prepare for class. Assignable Video with Assessment Assignable video (available with SAGE Vantage) is tied to learning objectives and curated exclusively for this text to bring concepts to life. Watch a sample video now. LMS Cartridge: Import this title's instructor resources into your school's learning management system (LMS) and save time. Don't use an LMS? You can still access all of the same online resources for this title via the password-protected Instructor Resource Site. CQ Press Lecture Spark: Designed to save you time and ignite student engagement, these free weekly lecture launchers focus on current event topics tied to key concepts in American Government. Access this week's topic.

Beginning iOS Game Development Springer

After two volumes mainly introductory, Dr Needham now embarks upon his systematic study of the

development of the natural sciences in China. The Sciences of the Earth follow: geography and cartography, geology, seismology and mineralogy. Dr Needham distinguishes parallel traditions of scientific cartography and religious cosmography in East and West, discussing orbocentric wheel-maps, the origins of the rectangular grid system, sailing charts and relief maps, Chinese survey methods, and the impact of Renaissance cartography on the East. Finally-and here Dr Needham's work has no Western predecessors-there are full accounts of the Chinese contribution to geology and mineralogy.

Pattern Asterisms Jones & Bartlett Learning

We present the results of eight-color CCD photometry of 674 stars in the direction of the open cluster Tombaugh 5 in Camelopardalis. The stars are observed in the Vilnius system supplemented by the broad-band I filter; the field is of 22' diameter, the limiting magnitude is $V = 17.7$ mag. The catalog contains the coordinates, V magnitudes, seven color indices, two-dimensional spectral types determined from photometric parameters, interstellar extinctions and distances. The color-magnitude diagram plotted for 480 individually dereddened stars is used to identify cluster

members and to determine the distance (1.74 kpc) and age (200-250 Myr) of the cluster. The faintest cluster stars classified are of spectral class G0. The cluster contains two blue stragglers of spectral classes B2-B4, both of them seem to be visual binaries. The extinction AV for the cluster stars is non-uniform, being spread between 2 and 3 mag, with a mean value of 2.42 mag. The extinction vs. distance dependence can be modeled by the Parenago exponential curve with dust concentrations in the Camelopardalis dark clouds at about 150 pc and the Cam OB1 association clouds at 0.9-1.0 kpc.

Lone Star Politics Springer Nature

Learn everything you need to about the country of Vietnam! The Key Facts on Vietnam provides readers with essential statistical and business information on the Asian nation, including: - Background of Vietnam -Geography of Vietnam -People and Society of Vietnam -Government and Key Leaders of Vietnam -Economy of Vietnam -Energy Resources of Vietnam -Communications in Vietnam -Transportation in Vietnam -Military of Vietnam -Transnational Issues of Vietnam The Internationalist Business Guides provide crucial up-to-date facts on countries around the world. Visit us at www.internationalist.com

Science and Civilisation in China: Volume 3, Mathematics and the Sciences of the Heavens and the Earth Cambridge University Press

Universe. When it comes to staying current with latest discoveries, clearing away common misconceptions, and harnessing the power of media in the service of students and instructors, no other full-length introduction to astronomy can match it. Now the textbook that has evolved discovery by discovery with the science of astronomy and education technology for over two decades returns in spectacular new edition, thoroughly updated and offering unprecedented media options. Available in Split Volumes Universe: Stars and Galaxies, Fourth Edition, 1-4292-4015-6 Universe: The Solar System, Fourth Edition, 1-4292-4016-4

Telescope Control Systems Springer

This book contains everything you need to know about variable stars -- stars whose brightness varies noticeably over time. The study of variable stars has been a particularly popular area of research for amateurs for many years; the material contained herein serves as both an introduction to amateur astronomers and a useful reference source for seasoned variable star observers. With its thorough, non-mathematical descriptions of variable stars and tips for how to see them, this book enables novices and experts alike to set off into the field and observe a wide range of delightful sights. It strikes a balance between easily visible objects that can be seen in any telescope or binoculars, and variable stars that are a direct challenge to those with large aperture equipment or access to photometric tools and methods. After helping the observer differentiate between variable star types, the author goes on to explain the skills needed to operate a telescope and other equipment, as well as how to couple filters to a CCD camera or digital SLR camera in order to photometrically record these celestial objects. Further, the book includes an observational guide to 50 objects for study, with finder charts and data about light curves for ease of identification, along with the stars' celestial coordinates, magnitudes, and other pertinent information.

Patrick Moore's Pocket Guide to the Stars and Planets Dial Press

This second edition of Mike Inglis's classic guide to observing the Milky Way in the Southern Hemisphere updates all of the science about the target objects with new findings from the astrophysics field. In addition, the book boasts a larger format with entirely re-drawn maps. Newly laid out for ease of use with an increased number of images in color, it updates and improves the first edition to remain the most comprehensive text on the subject. One of the wonders of the universe we live in is the Milky Way, and this book provides a wonderful tour of its highlights for amateur astronomers observing below the equator. In its pages, Southern Hemisphere observers interested in viewing our own galaxy's finest features will find every constellation that the Milky Way passes through with detailed descriptions of the many objects that can be found therein, including stars, double and multiple stars, emission nebulae, planetary nebulae, dark nebulae and supernovae remnants, open and galactic clusters, and galaxies. The book also details the one thing that is often left out of observing guides - the amazing star clouds of the Milky Way itself. Accompanying the descriptive text there are many star charts and maps, as well as the latest images made by observatories around the world and in space along with those taken by amateur astronomers. This second edition's updated scientific material and an easy-to-use layout perfect for many nights of fruitful observation.

Multicolor CCD Photometry of the Open Cluster IC 361 Richmond Hill, Ont. : Firefly Books

Unifying work by a broad range of experts in the field, this is the most complete textbook on observational astrometry.

Journal for the History of Astronomy Springer Science & Business Media

This book shows amateur astronomers how to use one-shot CCD cameras, and how to get the best out of equipment that exposes all three color images at once. Because this book is specifically devoted to one-shot imaging, "One-Shot Color Astronomical Imaging" begins by looking at all the basics - what equipment will be needed, how color imaging is done, and most importantly, what specific steps need to be followed after the one-shot color images are taken. What is one-shot color imaging? Typically, astronomical cooled-chip CCD cameras record only one color at a time - rather like old-fashioned black & white cameras fitted with color filters. Three images are taken in sequence - in red, blue, and green light - and these are then merged by software in a PC to form a color image. Each of the three images must be taken separately through a suitable color filter, which means that the total exposure time for every object is more than tripled. When exposure times can run into tens of minutes or even hours for each of the three colors, this can be a major drawback for the time-pressed amateur. "One-Shot Color Astronomical Imaging" describes the most cost-effective and time-efficient way for any amateur astronomer to begin to photograph the deep-sky.

Fracture "O'Reilly Media, Inc."

The only practical guide to observing truly spectacular astronomical objects from less than perfect locations. The only book to deal in depth with the application of image intensifiers to real-time astronomy. Gives advice on viewing objects, and on making realistic images by drawing or video. Includes extensive catalogs of spectacular objects that can be seen from suburban sites in both hemispheres.

The NexStar User's Guide II Government Printing Office

One of the top three first-person books of all time along with Goethe's "The Sorrows of Young Werther" and Salinger's "Catcher in the Rye." —J Laine

Firefly Guide to Stars and Planets Springer

This celebrity editor has brought together noted professional and amateur astronomers to submit chapters on their particular field of expertise, each describing how to observe a different class of object. The whole range of possibilities within reach of a small astronomical telescope is covered, from the moon to deep space. The book also shows how to gain the most enjoyment from a telescope, as well as its use for formal scientific observations, since astronomy is one of the few remaining areas of science where useful work can be carried out by non-professionals. The ideal companion to *The Modern Amateur Astronomer*.

Guidebook to the Constellations CRC Press

StarGuides Plus represents the most comprehensive and accurately validated collection of practical data on organizations involved in astronomy, related space sciences and other related fields. This invaluable reference source (and its companion volume, StarBriefs Plus) should be on the reference shelf of every library, organization or individual with any interest in these areas. The coverage includes relevant universities, scientific committees, institutions, associations, societies, agencies, companies, bibliographic services, data centers, museums, dealers, distributors, funding organizations, journals, manufacturers, meteorological services, national norms & standard institutes, parent associations & societies, publishers, software producers & distributors, and so on. Besides astronomy and associated space sciences, related fields such as aeronautics, aeronomy, astronautics, atmospheric sciences, chemistry, communications, computer sciences, data processing, education, electronics, engineering, energetics, environment, geodesy, geophysics, information handling, management, mathematics, meteorology, optics, physics, remote sensing, and so on, are also covered where appropriate. After some thirty years in continuous compilation, verification and updating, StarGuides Plus currently gathers together some 6,000 entries from 100 countries. The information is presented in a clear, uncluttered manner for direct and easy use.

Observing and Measuring Visual Double Stars The Internationalist

An authoritative guide packed with practical tips for all types and levels of observations in amateur astronomy.

The Observer's Guide to Astronomy: Volume 1 iUniverse

Get in the game and start building games for the iPhone or iPad! Whether you only have a little experience with iOS programming or even none at all, this accessible guide is ideal for getting started developing games for the iPhone and iPad. Experienced developer and author Patrick Alessi presents the iOS system architecture, gives you the step-by-step of game development, and

introduces the languages used to develop games. From the basic building blocks to including drawing, responding to user interaction, animation, and sound, this book provides a one-stop-shop for getting your game up and running. Explores the tools and methodology used to develop games for the iPhone and iPad Requires no previous experience with building a game for the iOS platform Details how iOS games require different considerations than other applications Addresses working with the Xcode programming environment, how to draw with the Quartz 2D API, ways to handle user input, and techniques for incorporating animation with Core Animation and sound with Core Audio If you're ready to jump on the gaming app bandwagon, then this book is what you need to get started!

Visual Astronomy in the Suburbs CQ Press

Venus, closest planet to the Earth, is a torrid world of extremes shrouded from direct view by dense clouds. This Atlas of Venus shows all the fascinating detail discovered on the recent Magellan mission to map the planet surface. Giving the historical background to our perception of the planet, this book clearly explains why Venus has been the goal of so many missions by both Russian and American space programmes. With the latest images from the Magellan mission, this colourful Atlas shows the beautiful landscape of Venus and its dynamic volcanism. Over 100 maps and illustrations show the dramatic beauty of this photogenic planet. Complete with detailed maps of the planet and a gazetteer of all landmarks, this is the essential reference source for all professional and amateur astronomers, and planetary scientists interested in our closest neighbour.

Astronomy of the Milky Way CRC Press

From the co-author of the two-million copy mega-bestseller *The Rule of Four* comes a riveting thriller with a brilliant premise based on the 2012 apocalypse phenomenon—perfect for readers of Steve Berry, Preston and Child, and Dan Brown. For decades, December 21, 2012, has been a touchstone for doomsayers worldwide. It is the date, they claim, when the ancient Maya calendar predicts the world will end. In Los Angeles, two weeks before, all is calm. Dr. Gabriel Stanton takes his usual morning bike ride, drops off the dog with his ex-wife, and heads to the lab where he studies incurable prion diseases for the CDC. His first phone call is from a hospital resident who has an urgent case she thinks he needs to see. Meanwhile, Chel Manu, a Guatemalan American researcher at the Getty Museum, is interrupted by a desperate, unwelcome visitor from the black market antiquities trade who thrusts a duffel bag into her hands. By the end of the day, Stanton, the foremost expert on some of the rarest infections in the world, is grappling with a patient whose every symptom confounds and terrifies him. And Chel, the brightest young star in the field of Maya studies, has possession of an illegal artifact that has miraculously survived the centuries intact: a priceless codex from a lost city of her ancestors. This extraordinary record, written in secret by a royal scribe, seems to hold the answer to her life's work and to one of history's great riddles: why the Maya kingdoms vanished overnight. Suddenly it seems that our own civilization might suffer this same fate. With only days remaining until December 21, 2012, Stanton and Chel must join forces before time runs out. Advance praise for 12.21 "Dustin Thomason, M.D., will invariably be compared to Michael Crichton, M.D., and 12.21 will be favorably compared to *The Andromeda Strain*. Both authors have written first-rate medical thrillers, the kind of fact-based fiction that is very scary but also very entertaining. Thomason knows his stuff, and it shows on every page. I truly could not put this book down."—Nelson DeMille "The most exciting novel of its kind since the days of Michael Crichton, 12.21 takes us from the frontiers of modern neuroscience to the riddles of ancient Maya texts, with nothing less than the future of our civilization at stake."—Vince Flynn "A fast-moving tale . . . Thomason displays an impressive depth of knowledge of both science and the ancient Mayan way of life. Along the way, he skillfully ramps up the action, one notch at a time. A winning book."—Kirkus Reviews "Fascinating, terrifying for its potential realism. I loved how tightly everything fit together. I had to keep reading."—Taylor Stevens, New York Times bestselling author of *The Informationist* "Fast, suspenseful . . . Michael Crichton fans will find a lot to like."—Publishers Weekly

Eurographics UK Springer

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery, and in its industrial, commercial and social consequences". The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

The ECG in Clinical Decision Making Springer Science & Business Media

This handbook is a guide to exploring the classical night sky and its wonderful telescopic sights. All

88 officially recognized constellations are presented in natural groups which are related by their origin and location in the sky. Each group is explained by a fascinating story which tells what each constellation represents, how it appears in the sky, and why the other constellations of the group are close by, or related in some other manner. Some of these stories are classical myths which show how and why ancient cultures saw the constellations as related groups. Others are about more modern astronomers who sought recognition by filling in the gaps between the ancient constellations with inventions of their own. Both types of stories are crafted to make the constellation groups memorable, so that amateur astronomers can not only locate and recognize the constellations more easily, but also be able to pinpoint the celestial objects they contain more quickly. Specific instructions are given for finding each constellation, how to spell and pronounce the constellation and star names, plus the origins of the star names. Finder charts show each

constellation group and a large area of sky around the group. These charts also indicate pointer stars which aid in finding the constellations. More detailed charts show how each constellation figure is visualized through simple line drawings. For each constellation, there is a table of about 10 to 30 telescopic objects selected to include a wide range of difficulty. Some can be glimpsed with the unaided eye, others require a 12 or 14 inch telescope. All the most prominent telescopic objects are included, plus a varied selection of interesting, but much more difficult objects. The tables include each object's celestial coordinates, type, size, brightness, other information specific to each type of object, and a recommendation of the appropriate telescope size needed for good viewing. There are also photographs of constellations and telescopic objects, detailed locator charts for the hard-to-find objects, and plots of binary star orbital motions. The same charts used

to show the constellation figures are repeated, with the addition of symbols indicating the locations of all the selected telescopic objects. An index and seven appendices help the user find specific objects or classes of objects.

[Intermediate Dynamics](#) Springer Science & Business Media

CCD photometry in the eight-color Vilnius + I system for 7250 stars down to $I = 19.6$ mag has been obtained in the 20 arcmin x 26' field of the open cluster IC 361 in Camelopardalis. The catalog of 1420 stars down to $V \sim 18.5$ mag is presented. It contains the coordinates, V magnitudes, seven color indices, quantitative photometric spectral types, absolute magnitudes and distances. The interstellar extinction is found to be non-uniform across the field, with the values of A_V in the range 1.9 to 2.4 mag. The distribution of distance moduli of individual stars shows that the cluster is located as far as, or just beyond, the Perseus spiral arm.