

Astronomy And Space Science Journal

Space Station Shuttle Astronomy Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Ice and Fire: Great Comets to Come was written because a special celestial event climaxes towards the end of 2013 – the arrival, fresh from the Oort Cloud, of Comet C/2012 S1 (ISON). By all predictions – even the most pessimistic ones – this comet is set to be one of, perhaps the most, dazzling comet seen in modern history and has the astronomical world buzzing with anticipation. Skywatchers have already been primed for C/2012 (ISON) earlier in 2013 with the apparition of another naked-eye comet, C/2011 L4 (PanSTARRS), and following C/2012 S1 (ISON) there is the prospect of 2012 K1 (PanSTARRS) reaching naked eye visibility in August 2014. Future bright cometary prospects are also discussed, taking into account the latest predictions. Examining the origin and nature of comets using examples of great comets from the past, this book sets the scene for the arrival of Comet C/2012 S1 and those following it over the next few years in the inner Solar System. Skywatchers and amateur astronomers can learn how to follow, observe and record comets. There is also a guide on how to keep abreast of the latest cometary discoveries and how to use a variety of reputable sources, including publications, websites, programs and apps to visualize and plan observations. The role of the amateur in cometary discovery also is featured, as well as details on how professional astronomers plan to get the most ‘science’ out of cometary apparitions, how and why professionals go about discovering comets, and upcoming plans to visit comets with space probes (and later, perhaps, human visits). Illustrations provide historic images of comets, images from space probes and images of the latest bright comets. Orbital plots and easy-to-follow sky charts are also included. This book is a unique guide that sets the scene by giving a comprehensive history of comets and examples of great comets throughout history and informs the reader about the nature and origins of this spectacular occurrence. Expectations are fully covered by explaining not only what the regular person can expect to see, but how amateur astronomers can plan observations and what steps the professionals are taking to ‘get the most science’ from this exciting event.

Integer Algorithms in Cryptology and Information Assurance is a collection of the author's own innovative approaches in algorithms and protocols for secret and reliable communication. It concentrates on the “what” and “how” behind implementing the proposed cryptographic algorithms rather than on formal proofs of “why” these algorithms work. The book consists of five parts (in 28 chapters) and describes the author's research results in: This text contains innovative cryptographic algorithms; computationally efficient algorithms for information assurance; new methods to solve the classical problem of integer factorization, which plays a key role in cryptanalysis; and numerous illustrative examples and tables that facilitate the understanding of the proposed algorithms. The fundamental ideas contained within are not based on temporary advances in technology, which might become obsolete in several years. The problems addressed in the book have their

Get Free Astronomy And Space Science Journal

own intrinsic computational complexities, and the ideas and methods described in the book will remain important for years to come.

Universe Stars Outer Space Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Astronomy Science Journal Sky Shining Stars paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

If you are a physics teacher, physics student, physics major or science geek, then this physics teacher gift notebook for physicists is for you. The physics journal also makes a great STEM gift for physics students and physics majors. Start keeping your notes with this universe journal! Organize yourself and take notes in this space notebook for scientists. This simple but effective 100 page notebook journal will help you to keep track of your various notes. Stop missing important information and write down easily relevant information without wasting time on any clutter. Note tracking becomes more important each day. Do not miss out and organize yourself by keeping notes, so can plan out a more organized life. 6" x 9" (15.24 x 22.86 cm) - Easily fits into a backpack, tote bag or purse. 100 Pages (blank) Matte finish Cover Start journaling now with this space galaxy big bang memo book for physicists!

Astronomy Science Journal Space Satellite paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Intelligent information Retrieval comprehensively surveys scientific information retrieval, which is characterized by growing convergence of information expressed in varying complementary forms of data - textual, numerical, image, and graphics; by the fundamental transformation which the scientific library is currently being subjected to; and by computer networking which has become an essential element of the research fabric. Intelligent Information Retrieval addresses enabling technologies, so-called 'wide area network resource discovery tools', and the state of the art in astronomy and other sciences. This work is essential reading for astronomers, scientists in related disciplines, and all those

Get Free Astronomy And Space Science Journal

involved in information storage and retrieval.

Astronomy Science Journal Outer Space paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Astronomy Science Journal Outer Space View paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com
This beautiful and unique design is perfect for all astronomy and space lovers, It is also a great design for all people who need their own space to write notes, favorite quotations, poems, and personal reflections. It is multi-functional and can be used as a journal, notebook, or diary. 120 lightly-lined writing pages. It measures 6" W x 9" H

If you are an astronomer or if you are interested in space and astronomy then this cool solar system notebook showing mars is for you. The mars journal is a great gift for an astronomy nerd who likes exploring the galaxy. Start keeping your notes with this marsian journal! Organize yourself and take notes in this galaxy notebook for astronomers. This simple but effective 100 page notebook journal will help you to keep track of your various notes. Stop missing important information and write down easily relevant information without wasting time on any clutter. Note tracking becomes more important each day. Do not miss out and organize yourself by keeping notes, so can plan out a more organized life. 6" x 9" (15.24 x 22.86 cm) - Easily fits into a backpack, tote bag or purse. 100 Pages (blank) Matte finish Cover Start journaling now with this solar memo book for mars fans and show off your love for planetary science!

I Need Space Cute Funny Astronaut Outer Space Astronomy Lined Journal Notebook Grab this cool cute funny journal to

Get Free Astronomy And Space Science Journal

write down and keep track of your thoughts and important notes and ideas. This journal log is perfect for anyone who is an astronomer, astronaut, physicist, or scientist who loves outer space, physics and astronomy! Great if you love space, the stars and planets, stargazing, or science in general. A great gift for science students, engineers, teachers, stargazers, or astronomers for spring or summer, holidays, birthdays or Christmas. Details: 6"x9", 120 Pages, Sturdy Paperback.

This solar system planets journal is perfect for those who want to write down their everyday goals or for astronomy class etc. This astronomer notebook is the great gift for kids who love astronomy. 6 x 9 in (15.24 x 22.86 cm) 120 pages.

Space Science and Public Engagement: 21st Century Perspectives and Opportunities critically examines the many dimensions of public engagement with space science by exploring case studies that show a spectrum of public engagement formats, ranging from the space science community's efforts to communicate developments to the public, to citizenry attempting to engage with space science issues. It addresses why public engagement is important to space science experts, what approaches they take, how public engagement varies locally, nationally and internationally, and what roles "non-experts" have played in shaping space science. Space scientists, outreach specialists in various scientific disciplines, policymakers and citizens interested in space science will find great insights in this book that will help inform their future engagement strategies. Critically examines how expert organizations and the space science community have sought to bring space science to the public Examines how the public has responded, and in some cases self-organized, to opportunities to contribute to space science Outlines future engagement interests and possibilities

Outer Space Telescope View Astronomy Science Journal paperback contains alternating blank pages and lined pages.

Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book.

www.DistinctiveJournals.com

Outer Space Astronomy Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a

science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com Shining Stars Astronomy Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com This science notebook/journal is a great place to write down anything and everything that you'd like. It has 120 pages of lined paper for writing! These notebooks are great for men, women, teens, girls, boys, kids or anyone into science who love to journal, or just simply stay organized. This notebook is definitely a great gift to give to anyone.

Planets come in many different sizes, and with many different compositions, orbiting our Sun and countless other stars. Understanding their properties and interactions requires an understanding of a diverse set of sub-fields, including orbital and atmospheric dynamics, geology, geophysics, and chemistry. This textbook provides a physics-based tour of introductory planetary science concepts for undergraduate students majoring in astronomy, planetary science, or related fields. It shows how principles and equations learned in introductory physics classes can be applied to study many aspects of planets, including dynamics, surfaces, interiors, and atmospheres. It also includes chapters on the discovery and characterization of extrasolar planets, and the physics of planet formation. Key Features Covers a wide range of planetary science topics at an introductory level Coherently links the fields of solar system science, exoplanetary science, and planet formation Each chapter includes homework questions Includes python templates for reproducing and customizing the figures in the book

The interdisciplinary field of Astrobiology constitutes a joint arena where provocative discoveries are coalescing concerning, e.g. the prevalence of exoplanets, the diversity and hardiness of life, and its increasingly likely chances for its emergence. Biologists, astrophysicists, biochemists, geoscientists and space scientists share this exciting mission of revealing the origin and commonality of life in the Universe. The members of the different disciplines are used to their

own terminology and technical language. In the interdisciplinary environment many terms either have redundant meanings or are completely unfamiliar to members of other disciplines. The Encyclopedia of Astrobiology serves as the key to a common understanding. Each new or experienced researcher and graduate student in adjacent fields of astrobiology will appreciate this reference work in the quest to understand the big picture. The carefully selected group of active researchers contributing to this work and the expert field editors intend for their contributions, from an internationally comprehensive perspective, to accelerate the interdisciplinary advance of astrobiology.

Astronomy Science Journal Shining Stars paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com Describes what space probes have taught us about the inner and outer planets, discusses x-ray astronomy, the space telescope, and artificial satellites, and looks at how astronomy has changed since the launch of Sputnik twenty-five years ago

“Extraordinary.... A feast of history, an expert tour through thousands of years of war and conquest.” —Jennifer Carson, New York Times Book Review In this far-reaching foray into the millennia-long relationship between science and military power, acclaimed astrophysicist Neil deGrasse Tyson and co-author Avis Lang examine how the methods and tools of astrophysics have been enlisted in the service of war. Spanning early celestial navigation to satellite-enabled warfare, *Accessory to War* is a richly researched and provocative examination of the intersection of science, technology, industry, and power that will introduce Tyson’s millions of fans to yet another dimension of how the universe has shaped our lives and our world.

Written by William Sheehan, a noted historian of astronomy, and Christopher J. Conselice, a professional astronomer specializing in galaxies in the early universe, this book tells the story of how astronomers have pieced together what is known about the vast and complicated systems of stars and dust known as galaxies. The first galaxies appeared as violently disturbed exotic objects when the Universe was only a few 100 million years old. From that tortured beginning, they have evolved through processes of accretion, merging and star formation into the majestic spirals and massive ellipticals that dominate our local part of the Universe. This of course includes the Milky Way, to which the Sun and Solar System belong; it is our galactic home, and the only galaxy we will ever know from the inside. Sheehan and Conselice show how

Get Free Astronomy And Space Science Journal

astronomers' understanding has grown from the early catalogs of Charles Messier and William Herschel; developed through the pioneering efforts of astronomers like E.E. Barnard, V.M. Slipher, Henrietta Leavitt, Edwin Hubble and W.W. Morgan; and finally is reaching fruition in cutting-edge research with state-of-the-art instruments such as the Hubble Space Telescope that can see back to nearly the beginning of the Universe. By combining archival research that reveals fascinating details about the personalities, rivalries and insights of the astronomers who created extragalactic astronomy with the latest data gleaned from a host of observations, the authors provide a view of galaxies – and their place in our understanding of the Universe – as they have never been seen before.

Complementing Exploring Creation with Astronomy, the Astronomy Notebooking Journal will provide everything your students need to complete their studies in astronomy. The Notebooking Journal serves as your child's individual notebook, providing a place for them to complete every assignment, record their experiments and display their work.

This officially licensed NASA approved design says "I Heart Space" and features the current NASA insignia, also known as, the "meatball" logo which was created in 1959. This is a great book for nerds, science geeks, sci-fi fans, aerospace engineers, astronomers, teachers, and students. Use this notebook as a journal, diary, or logbook. It's excellent for writing, planning, tracking, ideas, notes, lists, passwords, contacts, work, school, hobbies, and traveling. Product details: 6x9 Paperback 100 Pages Blank Lined Journal Paper Matte Cover Celebrate the 50th anniversary of the moon landing on July 20th, 2019 and look forward to the Artemis mission in 2024. This retro vintage design makes an awesome gift for aspiring astronauts, astronomy / space enthusiasts, and history buffs. "That's one small step for a man, one giant leap for mankind." Click "Space Books by Witty Logic" for more. Keywords:

Look up at the sun, moon, stars and solar system planets and you'll realize how tiny of a speck of dust or dot you are in the astronomical scheme of things in the universe . Great gift for astronomers, budding scientists and astrophysicists who are excited to explore space and beyond . Features a graphic of galaxies - possibly Milky Way - with the words You Are Here . 120 College Ruled White Pages 6"x9" Glossy Cover Great for writing projects, as a personal diary or a composition book Professional Quality Smooth paper for writing A perfect gift for adults, children, teens & tweens

The successful launch on November 17, 1995 of ESA's Infrared Space Observatory (ISO) by means of an Ariane 4 carrier, has set in motion a true revolution in quantitative infrared astronomy. For the first time since the very successful IRAS mission in 1983, the astronomical community has uninterrupted access to the infrared part of the electromagnetic spectrum. The four focal plane instruments on board of ISO (the camera ISOCAM, the photometer/camera ISOPHOT, and the short and long wavelength spectrographs ISO-SWS and ISO-LWS), perform very well and live up to the high expectations all of us had at launch. In the spring of 1996, Thijs de Graauw (principal investigator of the SWS) first suggested the idea to organize a conference dedicated to ISO results in the area of stars and circumstellar matter, and coined the title ISO 's View on Stellar Evolution. At the first scientific meeting to highlight some of the early ISO results which was held in May of 1996 at ESA's laboratory ESTEC in Noordwijk, the Netherlands, the conference was announced and a preliminary science organizing committee was formed. The conference was held from July 1 to 4, 1997, in conference centre de Leeuwenhorst, Noordwijkerhout, the Netherlands. The conference was opened by the Director of ESA 's Science Programme, Professor R. Bonnet.

Do you enjoy stargazing at the night sky? Record all your amazing astronomy discoveries. This pocketbook size journal provides the perfect space for logging what you see. It has plenty of room for writing in details about each celestial object you find plus organized areas for the date, time, location, weather conditions, lunar phase, longitude/latitude, sky placement, equipment used, and your sketches/photos - there's

Get Free Astronomy And Space Science Journal

space for 54 star gazing experiences in all. It is also just the right size for throwing in your bag or backpack and carrying along with you for when you're on-the-go. FEATURES: pocketbook size 8-1/2-in. x 5-1/2-in. size, 55 lb cream paper, glossy finish cover for durability, perfect bound, 108 pages (54 single pages front and back), black ink interior, college rule lines (9/32-in. or 7.1 mm spacing), paper weight recommended for pencil and ballpoint pen use only (not suitable for markers or heavy inks). Looking for something a bit different? Want more options? Simply click on the author's name for a variety of modern hobby & organizational journals in all sorts of fun cover designs. We make modern journals for your modern lives.

Radar Dish Astronomy Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Space Shuttle Launch Astronomy Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Presents a comprehensive reference to astronomy and space exploration, with articles on space technology, astronauts, stars, planets, key theories and laws and more.

The reference work on astrophysics to provide a comprehensive introduction to the physics of Interstellar Matter. The objective of the book is to show how physics can be applied to the understanding and diagnosis of the phase structure, the physical conditions and the chemical make-up and evolution of the interstellar medium. Unlike other textbooks in the field, here a more systematic approach has been adopted based on the authors' lecture course experience. It is aimed primarily at those undertaking post-graduate courses, or those doing advanced projects as part of honours undergraduate courses in physics or astrophysics.

Sky Astronomy Science Journal paperback contains alternating blank pages and lined pages. Express yourself with words or images. Blank pages also provide the option to paste pictures or clippings like a scrapbook. You or your gift recipient will enjoy the space science theme photo cover on the paperback every time this space journal is used for creative writing, taking notes, making lists, or drawing. Perfect for scientists and students. Great gift for anyone who is a

science teacher or works with science students at various levels including: elementary school, middle school, junior high school, high school, college, and graduate school. Also appropriate for teacher aides, college professors, university instructors, and anyone involved in scientific study. Ideal to inspire science fiction writing, future astronauts, and anyone interested in space travel. Write or sketch - the choice is yours with this handy blank book. www.DistinctiveJournals.com

Fundamental Astronomy is a well-balanced, comprehensive introduction to classical and modern astronomy. While emphasizing both the astronomical concepts and the underlying physical principles, the text provides a sound basis for more profound studies in the astronomical sciences. This is the fifth edition of the successful undergraduate textbook and reference work. It has been extensively modernized and extended in the parts dealing with extragalactic astronomy and cosmology. You will also find augmented sections on the solar system and extrasolar planets as well as a new chapter on astrobiology. Long considered a standard text for physical science majors, Fundamental Astronomy is also an excellent reference work for dedicated amateur astronomers.

Astrophysics of the Diffuse Universe Springer Science & Business Media

One of the most attractive features of the young discipline of Space Science is that many of the original pioneers and key players involved are still available to describe their field. Hence, at this point in history we are in a unique position to gain first-hand insight into the field and its development. To this end, The Century of Space Science, a scholarly, authoritative, reference book presents a chapter-by-chapter retrospective of space science as studied in the 20th century. The level is academic and focuses on key discoveries, how these were arrived at, their scientific consequences and how these discoveries advanced the thoughts of the key players involved. With over 90 world-class contributors, such as James Van Allen, Cornelis de Jager, Eugene Parker, Reimar Lüst, and Ernst Stuhlinger, and with a Foreword by Lodewijk Woltjer (past ESO Director General), this book will be immensely useful to readers in the fields of space science, astronomy, and the history of science. Both academic institutions and researchers will find that this major reference work makes an invaluable addition to their collection.

Socrates knew all that was known by his contemporaries. But already in the Middle Ages it was becoming difficult for a single man to have a truly encyclopedic view of all human knowledge. It is true that Pico della Mirandola, Pius II, Leonardo da Vinci, and several other great minds were thoroughly in possession of considerable knowledge, and knew all that one could know, except no doubt for some techniques. The encyclopedists of the 18th century had to be content with an admirable survey: they could not go into details, and their work is a collective one, the specialized science of each collaborator compensating for the insufficiencies of the others. We know very well that our science of today is a science of specialists. Not only is it impossible for anyone person to assimilate the totality of human knowledge, it is

impossible even to know ones own discipline perfectly thoroughly. Each year the presses of science produce a frightening quantity of printed paper. Even in very limited fields, new journals are created every day, devoted to extremely specialized, often very narrowly defined subjects. It is indeed evident that in a field whose scope extends well beyond astronomical or astrophysical research, it is materially impossible to be informed of everything, even with the richest of libraries at hand.

[Copyright: e4a77f5f0d83c9aada0f2898ffe04b21](#)