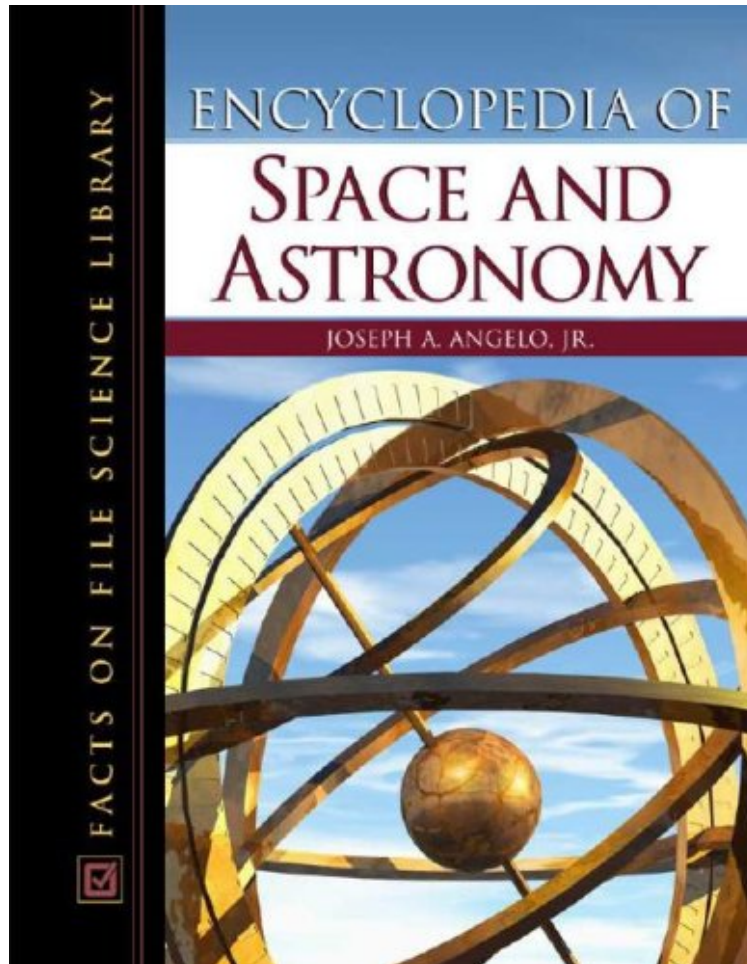


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## Encyclopedia of Space and Astronomy (Facts on File Science Library)

*Joseph A Angelo Jr*

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**Joseph A Angelo Jr : Encyclopedia of Space and Astronomy (Facts on File Science Library)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Encyclopedia of Space and Astronomy (Facts on File Science Library):

0 of 0 people found the following review helpful. Excellent ReferenceBy Rakish SaunterThis almost legendary spaceflight and astronomy reference is the best you'll find in a single volume, short of volumes full of math and calculations. Some people like to pick up a decent dictionary and read pages. This is one for the nightstand as well as study table at college. It is written with an authoritative bend and a yen for accuracy.Dr. BP1 of 1 people found the following review helpful. A good, thorough astronomical encyclopediaBy Andrew GachSo far,I haven't found a single astronomical term that was missing or one for which the encyclopedia gave less than satisfactory explanation.3 of 3

people found the following review helpful. Up to date, Complete, and Fascinating By John Matlock This is a huge, up to date, single volume encyclopedia. It is not a text, but an alphabetical listing of just about everything there is to know about the subject. More than most astronomy books, this one contains a lot more information about the various space oriented NASA projects. I can't say that every mission is documented, but in looking several up I couldn't find any that were missing. Likewise other aspects of space technology aren't left out. You don't find discussions for instance on the de Laval nozzle in most other books. On the astronomical side, his discussions on dark energy and dark matter are as good as any I've seen. This is not to say that he claims to know what they are, but he gives a good description what the leading current theories say. I notice that he has no comment on the speed of gravity (which nobody seems to know), but I guess you have to draw the line somewhere. One problem with this book is putting it down. It is so big, and has so much information that you tend to want to read it from beginning to end. Except that you get distracted and start jumping around as something new grabs your interest.

Encyclopedia of Space and Astronomy covers this timely and popular topic in a clear, comprehensive manner. Offering a complete presentation of the main concepts, terms, facilities, and people in astronomy, the encyclopedia pays special attention to space-based astronomy and space exploration. Broad coverage includes terms such as astrophysics, planetary science, and cosmology, as well as both American and international astronomy and space technology. Containing 600-700 entries, 10-15 essays, 75-100 line illustrations, and 75-100 black-and-white photographs, this authoritative reference provides students and teachers with a visually stimulating learning experience. Encyclopedia of Space and Astronomy focuses mainly on modern astronomy and space achievements but also includes the most important accomplishments of classical astronomy.

From School Library Journal Grade 8 Up Incorporating and expanding on entries from such earlier works as his Facts On File Space and Astronomy Handbook (2002), Angelo presents a wide-angled survey that not only encompasses the nature, study, and exploration of outer space, but also delves into a huge array of related topics, from the Tomahawk missile and Columbia accident to climate change and quarks. Alphabetically arranged into more than 3000 articles that run from single sentences to several double-columned pages, this resource is both comprehensive and easy to use, and nearly every entry closes with several cross-references. The volume is enhanced by a detailed index and 15 thought pieces on such topics as the physical hazards of space travel, the possible consequences of interstellar contact, and the demonstrated uses of satellites in peace and war. Though neither the occasional, murky black-and-white photographs nor the appendixes, which are chock-full of useful and unusual information, are picked up in the index, and some entries are less than enlightening (Enthalpy, for instance, includes no actual definition of the term), this will be a valuable addition to any smaller collection serving serious students, whether they're researching Galileo or the Galilean satellites, such recent trans-Plutonian discoveries as Sedna and Quaoar, or, for that matter, Walt Disney's influence on the space race. John Peters, New York Public Library Copyright Reed Business Information, a division of Reed Elsevier Inc. All rights reserved. From Booklist Space, the final frontier, has piqued the imagination of people for millennia. Written by the author of several other books on space and astronomy at a level accessible to the general reader, this one-volume encyclopedia provides current, authoritative information. The approximately 3,000 alphabetically arranged entries range in length from a single sentence to several pages. Sample entries include Alvarez, Luis Walter; Apollo Project; Astrochimp(s); Big bang (theory); Collins, Eileen Marie; Copernicus, Nicholas; Cosmology; Extraterrestrial civilizations; National Solar Observatory; Radio astronomy; Robotics in space; Rocketry; Sun; Unidentified flying object (UFO); and Voyager spacecraft. Fifteen special essays cover topics beyond the nuts and bolts. We learn that, just like the poets have proclaimed, we really are made of stardust; Walt Disney popularized the idea of space travel; satellites function as switchboards in the sky; and people of the Earth have unintentionally been leaking radio frequency signals into the galaxy since the middle of the twentieth century. Appendixes include a bibliography of print resources, an extensive listing of Web sites, a lengthy chronology of significant events in space and astronomy, a table of basic planetary data, and a 13-page table on how planets, moons, asteroids, comets, and other celestial objects are named. A well-constructed index provides subject access to the contents. About 200 black-and-white line illustrations and photographs supplement the text. This work provides more in-depth coverage of topics than the Firefly Encyclopedia of Astronomy (2004), although the Firefly volume uses color illustrations and photographs to supplement the text and therefore has more visual appeal. The four-volume Encyclopedia of Astronomy and Astrophysics (Institute of Physics, 2001), written for an academic and professional audience, is a far more comprehensive (and therefore more expensive) set and is particularly suited for academic and large public libraries. The Facts On File encyclopedia is recommended for libraries in need of a general encyclopedia on space and astronomy. Nancy Cannon Copyright American Library Association. All rights reserved About the Author JOSEPH A. ANGELO, JR., a retired U.S. Air Force officer (lieutenant colonel), is currently a consulting futurist and technical writer. He has a Ph.D. in nuclear engineering from the University of Arizona and served as a nuclear research officer in the U.S. Air Force (1967-1987) in a variety of scientific positions involving nuclear weapons development and nuclear treaty monitoring. He is also an adjunct professor in the College of Engineering at Florida Tech, specializing

in nuclear radiation protection and waste management. Dr. Angelo is the author of 15 other technical books, including *Space Technology* (Greenwood, 2003) and *Space Nuclear Power* (co-authored with David Buden).