

Astronomy

Biography:

The following books contain information on notable astronomers.

Brahe, Tycho (1546-1601)

Boerst, William J. Tycho Brahe: Mapping the Heavens. Greensboro, N.C.: Morgan Reynolds Pub., 2003.
QB36 .B8 B64 2003

Ferguson, Kitty. Tycho & Kepler: The Unlikely Partnership that Forever Changed Our Understanding of the Heavens. New York: Walker & Co., 2002.
QB36 .B8 F47 2002

Gilder, Joshua. Heavenly Intrigue: Johannes Kepler, Tycho Brahe, and the Murder Behind One of History's Greatest Scientific Discoveries. New York: Doubleday, 2004.
QB36 .B8 G55 2004

Galilei, Galileo (1564-1642)

Freedberg, David. The Eye of the Lynx: Galileo, his Friends, and the Beginnings of Modern Natural History. Chicago: University of Chicago Press, 2002.
Q127 .I8 F74 2002

Machamer, Peter ed. The Cambridge Companion to Galileo. Cambridge; New York: Cambridge University Press, 1998.
QB36 .G2 C27 1998

Nardo, Don. The Trial of Galileo: Science Versus the Inquisition. San Diego, CA: Lucent Books, c2004.
QB36 .G2 N37 2004

Reeves, Eileen Adair. Galileo's Glassworks: The Telescope and the Mirror. Cambridge, Mass.: Harvard University Press, 2008.
QB85.8 .R44 2008

Shea, William R. and Mariano Artigas. Galileo in Rome: The Rise and Fall of a Troublesome Genius. New York: Oxford University Press, 2003.
QB36 .G2 S54 2003

Sobel, Dava. Galileo's Daughter: A Historical Memoir of Science, Faith, and Love. New York: Walker & Co., 1999.
QB36 .G2 S65 1999

White, Michael. Galileo Galilei: Inventor, Astronomer and Rebel. Woodbridge, Conn.: Blackbirch Press, 1999.
QB36 .G2 W48 1999

Hubble, Edwin (1889-1953)

Christianson, Gale E. Edwin Hubble: Mariner of the Nebulae. New York: Farrar, Straus, Giroux, 1995.
QB36 .H83 C48 1995

Sharov, A. S. and Igor D. Novikov. Edwin Hubble, The Discoverer of the Big Bang Universe. Trans. Vitaly Kisin. Cambridge; New York: Cambridge University Press, 1993.
QB36 .H83 S5313 1993

Leavitt, Henrietta Swan (1868-1921)

Johnson, George. Miss Leavitt's Stars: The Untold Story of the Woman who Discovered how to Measure the Universe. New York: W.W. Norton, 2005.
QB807 .J64 2005

Other Notable Astronomers

Anderson, Dale. Maria Mitchell, Astronomer. New York: Chelsea House Publishers, c2003.
QB36 .M7 A64 2003

Clark, Stuart. The Sun Kings: The Unexpected Tragedy of Richard Carrington and the Tale of How Modern Astronomy Began. Princeton: Princeton University Press, 2007.
QB35 .C53 2007

Connor, James A. Kepler's Witch: An Astronomer's Discovery of Cosmic Order Amid Religious War, Political Intrigue, and the Heresy Trial of his Mother. San Francisco: Harper, 2004.
QB36 .K4 C66 2004

Repcheck, Jack. Copernicus' Secret: How the Scientific Revolution Began. New York: Simon & Schuster, 2007.
QB36 .C8 R387 2007

General Astronomy

The following books present an overview of astronomy.

Benacchio, L., The Great Atlas of the Universe. Newton Abbot, Devon [England]: David & Charles, 2007.
QB982 .B45 2007

Celletti, A. Celestial Mechanics: The Waltz of the Planets. Chichester, UK: Praxis, 2007.
QB351 .C4413 2007

Dickinson, Terence. The Backyard Astronomer's Guide. Richmond Hill, Ont.: Firefly Books, 2008.
QB63 .H319 2003

Dickinson, Terence. NightWatch: A Practical Guide to Viewing the Universe. Willowdale, Ont.: Firefly Books, 1998.
QB63 .D52 1998

Ferguson, Kitty. Measuring the Universe. New York: Walker and Company, 1999.
QB981 .F346 1999

Ferris, Timothy. Seeing in the Dark: How Backyard Stargazers are Probing Deep Space and Guarding Earth from Interplanetary Peril. New York: Simon & Schuster, 2002.
QB43 .F47 2002

Hirshfeld, Alan. Parallax: The Race to Measure the Cosmos. New York: W.H. Freeman and Co., 2001.
QB43 .F47 2002

Mollise, Rod. The Urban Astronomer's Guide: A Walking Tour of the Cosmos for City Sky Watchers. London: Springer, 2006.
QB44.3 .M655 2006

Moché, Dinah L. Astronomy: A Self-teaching Guide. Hoboken, N.J.: Wiley, 2004.
QB45 .M723 2004

Vamplew, Anton. Simple Stargazing: A First-time Skywatcher's Guide. New York, NY: Collins, 2006.
QB63 .V36 2006

Telescopes

Andersen, Geoff. The Telescope: Its History, Technology, and Future. Princeton, NJ: Princeton University Press, 2007.

QB88 .A64 2006

Manly, Peter L. Unusual Telescopes. New York: Cambridge University Press, 1991.

QB88 .M26 1991

Matloff, Gregory L. Telescope Power: Fantastic Activities & Easy Projects for Young Astronomers. New York: J. Wiley, 1993.

QB88 .M378 1993

Miller, Robert. Making & Enjoying Telescopes: 6 Complete Projects & a Stargazer's Guide. New York: Sterling, 1995.

QB88 .M55 1995

Tonkin, Stephen F. ed. Amateur Telescope Making. New York: Springer, 1999.

QB88 .A622 1999

Hubble telescope

Christensen, Lars Lindberg and Bob Fosbury. Hubble: 15 Years of Discovery. Ill. Martin Kornmesser. New York: Springer, 2006.

QB500.268 .C486 2006

DeVorkin, David H. and Robert W. Smith. Hubble Imaging Space and Time. Washington, D.C.: Smithsonian National Air and Space Museum in association with National Geographic, 2008.

QB500.268 .D479 2008

Kerrod, Robin and Carole Stott. Hubble: The Mirror on the Universe. Richmond Hill, Ont.: Firefly Books, 2007.

QB500.268 .K47 2007

Zimmerman, Robert. The Universe in a Mirror: The Saga of the Hubble Telescope and the Visionaries who Built it. Princeton, N.J.: Princeton University Press, 2008.

QB500.268 .Z56 2008

DVD's:

For movies on astronomy, see the below titles

Galileo's Battle for the Heavens. A Nova production by Green Umbrella for WGBH/Boston in association with Channel 4. Boston: WGBH Boston Video, 2006.

QB36 .G2 G355 2006V

Galileo. Cromwell Productions, Ltd. in association with English Heritage. West Long Branch, NJ: Kultur, 2001.

QB36 .G2 G314 2001V

Hubble: 15 Years of Discovery. Hannover, Germany: Distributed by SPV GmbH, 2005.

QB500.268 .H833 2005V

Astronomy. Produced and directed by JWM Productions, LLC. Wynnewood, PA: Schlessinger Media, c2001

QB46 .A435 2006V

Astronomy: Learning Astronomy History & Principles. Falls Church, VA: Cerebellum Corp., c2001

QB61 .A887 2001V

Databases:

Databases are online resources the Library subscribes to that include articles from reference books, journals, magazines, and newspapers. Use the below databases to search for additional information on astronomy, telescopes and biographies of astronomers. If you are trying to access these resources from outside of a library, please visit the [B&ECPL Multisearch](#) page.

Science Full Text Select

Science Full Text Select is a 100% full text science database that includes all the full text content from Wilson's Applied Science & Technology Full Text, Biological & Agricultural Index Plus, and General Science Full Text databases.

Academic Search Premier

Academic Search Premier provides full text for nearly 4,000 scholarly publications. Coverage spans virtually every area of academic study and offers information dating as far back as 1975.

America's News Magazines

America's News Magazines covers U.S. and international news, business, lifestyle, entertainment, sports, and science and technology from popular magazines. Search the magazines or read them "cover to cover".

MasterFILE™ Premier

MasterFILE™ Premier, multi-disciplinary database, including general science, contains full text for 1,935 periodicals and more. This database also contains full text for more than 300 reference books, 96,600 biographies, and 76,000 primary source documents.

ProQuest Platinum

ProQuest Platinum contains periodicals covering a broad range of material: business, education, general reference, health, language arts, sciences, social sciences, and many other subject areas.

All the databases listed above are for use at any library or from home with a valid Buffalo & Erie County Public Library card number.

Gale Virtual Reference Library

Gale Virtual Reference Library is a searchable collection of reference e-books. Each title can be searched separately or as part of the collection. GVRL is comprised of specialized reference titles with coverage across several disciplines, including Science. Search or browse: Space Sciences, 4v, 2003; Encyclopedia of Science and Religion, 2v, 2003; Europe, 1450 to 1789: Encyclopedia of the Early Modern World, 6v, 2004; Middle Ages Reference Library, 5v, 2001.

For use at any library or from home with a valid Buffalo & Erie County Public Library card number.

Web sites:Star struck! The International Year of Astronomy

http://whyfiles.org/294astro_year/

Celebrates the glory and wonder of astronomy! Visitors can find maps of all of the major constellations with their names and locations. There are also incredible images of many different areas of space. Other links provide insight to educational archives, astronomy related newsletters and an e-mail to send questions to astronomy experts.

Welcome to the Universe

<http://mos.org/sln/wtu/>

This Web site presents a collection of online exhibits that offer an introduction to the history, methods, and fundamental ideas behind the science of astronomy. It is supplemented with related topics in mythology, art, music, film, literature, history and philosophy.

Naval Oceanography Portal

<http://www.usno.navy.mil/>

The United States Naval Meteorology and Oceanography Command (NMOC) provides critical information from the ocean depths to the most distant reaches of space. Click on the Astronomy link to find authoritative data and much more.

NASA Home (National Aeronautical & Space Administration)

<http://www.nasa.gov/>

This Web site is a gateway to hundreds of web pages maintained by NASA. Manned and unmanned space missions command special attention. Astronomy is also featured with emphasis on the moon and solar system.

Heavens Above: Art & Actuality

<http://www.nypl.org/research/sibl/trouvelot/>

Created by the New York Public Library, this Web site is an on-line companion to an exhibit that contrasts the 19th century art and science of Etienne Leopold Trouvelot with contemporary photographic images from the National Aeronautics and Space Administration.

Telescopes and Eyepieces

<http://members.shaw.ca/quadibloc/science/optint.htm>

Have you always wanted a telescope, but first want to know how it works? This Web site contains pages that provide a brief introduction to how a telescope operates and what kinds of telescopes are available. In addition, learn about eyepieces, Gaussian optics, lens power, lens bending, and telescope mountings.

Spitzer Space Telescope

<http://sirtf.caltech.edu/index.shtml>

See what images are being caught by the Spitzer Space Telescope. Learn more about infrared light, infrared and multiwavelength astronomy, and the world around us. There are spectacular images, fun games, and resources for educators.

400 Years of the Telescope: A Journey of Science, Technology and Thought

<http://www.400years.org/>

This Web site celebrates 400 years of the telescope. Information about a documentary into the history of the telescope is also included.

Famous Trials. Trial of Galileo Galilei

<http://www.law.umkc.edu/faculty/projects/ftrials/galileo/galileo.html>

Visitors will learn why this great thinker was brought to trial over his writings and ideas, mostly stating the Copernican theory to be fact. The site contains a chronology of events of Galileo's life leading up and following the trial, Galileo's defense and depositions, and Galileo's recantation.

Magazines

Astronomy and Sky and Telescope

Reference only in the Business, Science & Technology Department at the Central Library. They can be checked out at the Anna M. Reinstein Library.

Related Subjects:

Visit the following sections in your library for more information on each subject.

Rocketry

TL 780 - 785.8

Space Travel

TL 789.8 - 4050

Medieval History

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