

Appendix 3 – ADDITIONAL RESOURCES

For updates to this list go to the AAVSO website and click on Variable Stars - Further Reading (<http://www.aavso.org/vstar/furtherreading.shtml>). You can also find links to numerous websites of interest by clicking on “links” at the bottom of any page on the AAVSO site.

Reading Materials

Atlases

- American Association of Variable Star Observers, Charles Scovil, ed. *AAVSO Variable Star Atlas*. Cambridge, MA: AAVSO, 1990. ISBN 1-878174-00-2. (to magnitude 9.5)
- Ridpath, Ian, ed. *Norton's Star Atlas and Reference Handbook*. Addison-Wesley, 1998. ISBN 0-582356-55-5. (to magnitude 6)
- Sinnott, Roger W., and Michael A. C. Perryman. *Millennium Star Atlas*. Cambridge, MA: Sky Publishing, 1997. ISBN 0-933346-84-0. (to magnitude 11)
- Tirion, Wil, and Roger W. Sinnott. *Sky Atlas 2000.0 (second edition)*. Cambridge, MA: Sky Publishing, 1998. ISBN 0-933346-87-5. (to magnitude 8.5)
- Tirion, Wil. *Cambridge Star Atlas (third edition)*. New York: Cambridge UP, 2001. ISBN 0-521-80084-6. (to magnitude 6.5)
- Tirion, Wil, Barry Rappaport, and George Lovi. *Uranometria 2000.0*. Richmond Virginia: Willmann-Bell, 1993. Vol. 1: N. Hemisphere ISBN 0-943396-14-X; Vol. 2: S. Hemisphere, ISBN 0-943396-15-8. (to magnitude 9+)

Books on variable star astronomy—basic and introductory topics

- American Association of Variable Star Observers. *Variable Star Symposium (History, Science, Associations)*. *Journ. AAVSO* 15.2, 1986. ISSN: 0271-9053.
- Campbell, Leon, and Luigi Jacchia. *The Story of Variable Stars*. Philadelphia: Blakiston, 1941.
- Furness, Caroline E. *Introduction to the Study of Variable Stars*. Boston: Houghton Mifflin, 1915.
- Hoffleit, Dorrit. *Women in the History of Variable Star Astronomy*. Cambridge, MA: AAVSO, 1993.
- Hoffmeister, Cuno, G. Richter, and W. Wenzel. *Variable Stars*. New York/Berlin: Springer-Verlag, 1985. ISBN 3540-13403-4.
- Kolman, Roger S. *Observe and Understand Variable Stars*. The Astronomical League, 1999.
- Levy, David H. *Observing Variable Stars: A Guide for the Beginner*. New York: Cambridge UP, 1989. ISBN 0-521-32113-1.
- Marschall, L. *The Supernova Story*. Princeton UP, 1994.
- Merrill, Paul W. *The Nature of Variable Stars*. New York: Macmillan, 1938.
- Payne-Gaposchkin, Cecilia, and Sergei Gaposchkin. *Variable Stars*. Harvard College Observatory Monograph 5. Cambridge, MA: Harvard College Observatory, 1938.
- Peltier, Leslie C., *Starlight Nights: The Adventures of a Stargazer*. Cambridge, MA: Sky Publishing, 1999. (reprint of 1st ed pub. by Harper & Row, NY 1965) ISBN 0933346948.
- Percy, John R., ed. *The Study of Variable Stars Using Small Telescopes*. New York: Cambridge UP, 1986. ISBN 0-521-33300-8.
- Percy, John R., Janet Akyüz Mattei, and Christiaan Sterken, eds. *Variable Star Research: An International Perspective*. New York: Cambridge UP, 1992. ISBN 0-521-40469-X.

Books on variable star astronomy—advanced topics

- Bode, M. F., ed. *RS Ophiuchi and the Recurrent Nova Phenomenon*. Utrecht: VNU Science P, 1987. ISBN 90-6764-074-3.
- Clark, David H. and F. Richard Stephenson. *The Historical Supernovae*. New York: Pergamon, 1977.
- Duquenooy, Antoine and Michel Mayor, eds. *Binaries as Tracers of Stellar Formation*. New York: Cambridge UP, 1992. ISBN 0-521-43358-4.

- Hack, Margherita, and Constanze la Dous, eds. *Cataclysmic Variables and Related Objects*. Washington, DC: NASA Scientific and Technical Information Branch, 1993.
- Hellier, Coel. *Cataclysmic Variable Stars: How and Why They Vary*. New York: Springer-Praxis, 2001.
- Ibanoglu, Cafer, ed. *Active Close Binaries*. Boston: Kluwer, 1990. ISBN 0-7923-0907-3.
- Ibanoglu, Cafer, ed. *Variable Stars as Essential Astrophysical Tools*. Boston: Kluwer, 2000. ISBN 0-7923-6083-4.
- Kenyon, S. J. *The Symbiotic Stars*. New York: Cambridge UP, 1986. ISBN 0-521-26807-9.
- Kholopov, P. N. et al. *General Catalogue of Variable Stars*, 4th ed. Moscow: Nauka, 1985.
- Kondo, Y., et al., eds. *Evolutionary Processes in Interacting Binary Stars*. Boston: Kluwer, 1992. ISBN 0-7923-1731-9.
- Kopal, Zdenek. *An Introduction to the Study of Eclipsing Variables*. Cambridge, MA: Harvard UP, 1946.
- Kopal, Zdenek. *Close Binary Systems*. New York: Wiley, 1959.
- Mattei, Janet A., and Michel Grenon, eds. *Variable Stars: New Frontiers*. San Francisco: Ast. Soc. of the Pacific, 1998 (in press).
- Merrill, Paul W. *Spectra of Long-Period Variable Stars*. U Chicago P, 1940.
- Payne-Gaposchkin, Cecilia. *The Galactic Novae*. New York: Dover, 1964.
- Payne-Gaposchkin, Cecilia. *Stars and Clusters*. Cambridge, MA: Harvard UP, 1979. ISBN 0-674-83440-2.
- Plavec, Mirek, et al., eds. *Close Binary Stars: Observations and Interpretation*. Boston: D. Reidel, 1980. ISBN 90-277-1116-X.
- Pringle, J.E., and R.A. Wade, eds. *Interacting Binary Stars*. New York: Cambridge UP, 1985. ISBN 0-521-26608-4.
- Sahade, J., and F. B. Wood. *Interacting Binary Stars*. Oxford: Pergamon Press, 1978. ISBN 0-08-021656-0.
- Smith, Horace A. *RR Lyrae Stars*. New York: Cambridge UP, 1995. ISBN 0-521-32180-8.
- Sterken, Christiaan, and Carlos Jaschek, eds. *Light Curves of Variable Stars*. New York: Cambridge UP, 1997.
- Warner, Brian. *Cataclysmic Variable Stars*. New York: Cambridge UP, 1995. ISBN 0-521-41231-5.
- Wing, Robert F., ed. *The Carbon Star Phenomenon* (I.A.U. Symposium 177). Boston: Kluwer, 2000. ISBN 0-7923-6347-7.

Articles about variable stars and related topics

- American Association of Variable Star Observers. *Variable Star of the Season*.
<http://www.aavso.org/vstar/vsots/>
- American Association of Variable Star Observers. *Proceedings of the AAVSO Session on Mira Stars*. *Journ. AAVSO* 25.2, 1997. ISSN: 0271-9053.
- Baldwin, Marvin E. "Techniques for Visual Observation of Eclipsing Binary Stars." *Journ. AAVSO* 4.1, 1975.
- Briggs, John W. "Star Patrol." *Air & Space*, September 1986, 61–66.
- Carlson, George A. "Sighting Cepheid Variables." *Scientific American*, November 1992, 128–130.
- Cannizzo, John K., and Ronald H. Kaitchuck. "Accretion Disks in Interacting Binary Stars." *Scientific American*, January 1992, 92–99.
- Croswell, Ken. "The First Cepheid." *Sky & Telescope*, October 1997, 90–91.
- Fishman, Gerald J., Henden, Arne A., and Mattei, Janet A. "Gamma-Ray Bursts and Amateur Astronomers." *Sky & Telescope*, January 2001, 92–98.
- Filippenko, Alex V. "A Supernova with an Identity Crisis." *Sky & Telescope*, 30, December 1993.
- Garrison, R. F. "Personalities of Mira Variables as Revealed by their Spectra—Verdict: Bizarre!" *Journ. AAVSO*, 25.2, 1997, 70–71.
- Gaskell, C. Martin. "Variable Star Observations in an Introductory Astronomy Course." *Journ. AAVSO*. 20.1, 1991, 41–50.
- Hoffleit, Dorrit. "History of the Discovery of Mira Stars." *Journ. AAVSO* 25.2, 1997, 115–136.
- Hoffleit, Dorrit. "A History of Variable Star Astronomy to 1900 and Slightly Beyond." *Journ. AAVSO* 15.2, 1986, 77–106.
- Hogg, Helen Sawyer. "Variable Stars." In Gingerich, Owen, ed., *Astrophysics and Twentieth-Century Astronomy to 1950: Part A. The General History of Astronomy, Volume 4*. New

- York: Cambridge UP, 1984, 73–89.
- Isles, John E. “Beta Lyrae Revisited.” *Sky & Telescope*, June 1994, 72–74.
- Isles, John E. “A Variable Star and a Variable Nebula.” *Sky & Telescope*, November 1997, 98–100.
- Isles, John E. “The Dwarf Nova U Geminorum.” *Sky & Telescope*, December 1997, 98–99.
- Isles, John E. “The Top 12 Naked-Eye Variable Stars.” *Sky & Telescope*, May 1997, 80–82.
- Isles, John E. “Mira’s 400th Anniversary.” *Sky & Telescope*, February 1996, 72–73.
- Isles, John E. “R Hydrae’s Helium-Shell Flash.” *Sky & Telescope*, May 1996, 68–70.
- Karovska, Margarita. “High Angular Resolution Observations of Miras.” *Journ. AAVSO* 25.2, 1997, 75–79.
- Kaler, James B. “Eyewitness to Stellar Evolution.” *Sky & Telescope*, March 1999, 40–47.
- Little-Marenin, Irene R., and Stephen J. Little. “What Kinds of Dust Exist in Circumstellar Shells of Miras?” *Journ. AAVSO* 25.2, 1997, 80–87.
- Leavitt, Henrietta S. “Discovery of the Period-Magnitude Relation.” Reprinted in Shapley, Harlow, *Source Book in Astronomy 1900-1950*. Cambridge, MA: Harvard UP, 1960, pp. 186–189.
- MacRobert, Alan M. “The Lure of Variable-Star Observing.” *Sky & Telescope*, March 1996, 48–51.
- Mattei, Janet A. “Introducing Mira Variables.” *Journ. AAVSO*, 25.2, 1997, 57–62.
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- Mattei, Janet A., E. Mayer, and M. Baldwin. “Variable Stars and the AAVSO.” *Sky & Telescope*, 60, 1980, 180.
- Mattei, Janet A., E. Mayer, and M. Baldwin. “Observing Variable Stars.” *Sky & Telescope*, 60, 1980, 80.
- Percy, John R. “Observing Variable Stars for Fun and Profit.” *Mercury*, May–June 1979, 45–52.
- Percy, John R. “Variable Stars.” *The Physics Teacher*, 31, December 1993, 541–543.
- Percy, John R., Laura Syczak, and Janet A. Mattei. “Using 35-mm Slides for Measuring Variable Stars.” *The Physics Teacher*, 35, September 1997, 349–351.
- Percy, John R. “Studies of Mira Stars and Their Small Amplitude Relatives.” *Journ. AAVSO*, 25.2, 1997, 93–98.
- Starrfield, Sumner, and Steve Shore. “Nova Cygni 1992: Nova of the Century.” *Sky & Telescope*, February 1994, 20.
- Trimble, Virginia. “Supernovae: An Impressionistic View.” *Journ. AAVSO*, 15.2, 1986, 181–188.
- Webbink, Ronald F. “Cataclysmic Variable Stars.” *American Scientist*, 77, May-June 1989, 248–255.
- Willson, Lee Anne. “‘Theoretical Glue’: Understanding the Observed Properties of Miras with the Help of Theoretical Models.” *Journ. AAVSO*, 25.2, 1997, 99–114.
- Wing, Robert F. “Narrow-Band Photometry of Mira Variables.” *Journ. AAVSO* 25.2, 1997, 63–69.
- Zwicky, Fritz. “Supernovae.” In S. Flugge, ed. *Encyclopedia of Physics, Astrophysics II: Stellar Structure, Vol. LI*, 766–785. Berlin: Springer-Verlag, 1958.

Other astronomy books—basic topics

- Allen, Richard Hinckley. *Star Names: Their Lore and Meaning*. New York: Dover, 1963.
- Bishop, Roy L., ed. *Observer’s Handbook* [published annually]. Toronto: Royal Astronomical Society of Canada, 124 Merton St.; Toronto, Canada M4S 2Z2.
- Burnham, Robert, Jr. *Burnham’s Celestial Handbook* (3 Volumes). New York: Dover, 1978.
- Chaisson, Eric, and Steve McMillan. *Astronomy Today*. Upper Saddle River, NJ: Prentice Hall, 1997. ISBN 0-13-712382-5.
- Chaisson, Eric, and Steve McMillan. *Astronomy: A Beginner’s Guide to the Universe*. Englewood Cliffs, NJ: Prentice Hall, 1995. ISBN 0-13-644063-0.
- Chaisson, Eric. *Cosmic Dawn: The Origins of Matter and Life*. New York: Norton, 1981. ISBN 0-393-30587-2.
- Chartrand, M. *Skyguide*. Golden Press, 1982.
- Clerke, Agnes M. *The Systems of Stars*. London: Adam and Charles Black, 1905.
- Cohen, M. *In Darkness Born: The Story of Star Formation*. New York: Cambridge UP, 1988. ISBN 0-521-26270-4.
- Covington, Michael A. *Celestial Objects for Modern Telescopes*. New York: Cambridge UP, 2002. ISBN 0-521-52419-9.

- Dickinson, Terence. *Exploring the Night Sky*. Camden East, Ontario: Camden House, 1987. ISBN 0-920656-64-1.
- Dickinson, Terence. *The Universe and Beyond*. Camden East, Ontario: Camden House, 1992. ISBN 0-921820-51-8.
- Dickinson, Terence. *Nightwatch: An Equinox Guide*. Camden East, Ontario: Camden House, 1983. ISBN 0-920656-89-7.
- Dickinson, Terence. *The Backyard Astronomer's Guide*. Camden East, Ontario: Camden House, 1991. ISBN 0-921820-11-9.
- Dickinson, Terence. *Summer Stargazing*. Camden East, Ontario: Camden House, 1996. ISBN 1-55209-014-0.
- Dickinson, Terence, and Jack Newton. *Splendors of the Universe*. Camden East, Ontario: Camden House. ISBN 1-55209-141-4.
- Ellyard, David and Tiron, Will. *The Southern Sky Guide*. New York: Cambridge UP, 1993. ISBN 0-521-42839-4.
- Ferris, T. *Coming of Age in the Milky Way*. New York: Morrow, 1988.
- Ferris, T. *Seeing in the Dark*. New York: Simon and Schuster, 2002. ISBN 0-684-86579-3.
- Gribbin, John, and Simon Goodwin. *Origins: Our Place in Hubble's Universe*. Woodstock, NY: Overlook P, 1998. ISBN 0-87951-813-8.
- Harrington, Philip S. *Star Ware: The Amateur Astronomer's Guide to Choosing, Buying, and Using Telescopes and Accessories*. New York: Wiley, 1994.
- Harrington, Philip S. *Touring the Universe Through Binoculars*. New York: Wiley, 1990. ISBN 0-471-1337-7
- Heifetz, Milton D., and Wil Tirion. *A Walk Through the Heavens: A Guide to Stars and Constellations and Their Legends*. New York: Cambridge UP, 1996. ISBN 0-521-46980-5.
- Isles, John E. *Webb Society Deep Sky Observer's Handbook, Vol. 8: Variable Stars*. Hillside, NJ: Enslow, 1991.
- Kaler, James B. *The Ever-Changing Sky: A Guide to the Celestial Sphere*. New York: Cambridge UP, 1996. ISBN 0-521-38053-7.
- Kippenhahn, Rudolf. *Light from the Depths of Time*. New York: Springer-Verlag, 1987. ISBN 0-387-17119-3.
- Levitt, I. M. and Roy K. Marshall. *Star Maps for Beginners*. New York: Simon and Schuster, 1987. ISBN 0-671-6376-6.
- Levy, David H. *David Levy's Guide to the Night Sky*. New York, Cambridge UP 2001, ISBN 0-521-79753-5. (replaced *The Sky, A Users Guide*)
- Levy, David H. *The Sky, A User's Guide*. New York: Cambridge UP, 1993. ISBN 0-521-39112-1.
- MacRobert, Alan. *Star Hopping for Backyard Astronomers*. Belmont, MA: Sky Publishing, 1994.
- Malin, David. *A View of the Universe*. New York: Cambridge UP, 1993.
- Mayall, Newton, Margaret Mayall, and Jerome Wyckoff. *The Sky Observer's Guide*. New York: Golden P, 1959.
- Moche, Dinah L. *Astronomy: A Self-Teaching Guide*. New York: Wiley, 1993. ISBN 0-471-53001-8.
- Moore, Patrick, and Wil Tirion. *Cambridge Guide to Stars and Planets*. New York: Cambridge UP, 1997. ISBN 0-521-58582-1.
- Moore, Patrick. *Exploring the Night Sky with Binoculars*. New York: Cambridge UP, 1989. ISBN 0-521-36866-9.
- Moore, Patrick. *Stargazing, Astronomy without a Telescope*, 2nd ed. New York: Cambridge UP, 2001. ISBN 0-521-79445-5.
- Pasachoff, Jay M. *Astronomy from the Earth to the Universe*, 5th ed. Philadelphia: Saunders, 1997. ISBN 0-03-024347-5.
- Pasachoff, Jay M. *Peterson Field Guide to the Stars and Planets*. Boston: Houghton Mifflin, 2000. ISBN 0-395-93431-1.
- Rey, H., updated by Jay M. Pasachoff. *The Stars: A New Way To See Them*. Boston: Houghton Mifflin, 1989.
- Ridpath, Ian and Wil Tirion. *The Monthly Sky Guide, 5th edition*. New York: Cambridge UP, 1999. ISBN 0-521-66771-2.
- Robinson, J. Hedley. *Astronomy Data Book*. New York: Wiley/Halsted, 1972. ISBN 470-72801-9.
- Van Allen, J. *924 Elementary Problems and Answers in Solar System Astronomy*. Iowa City, IA: U Iowa P, 1993. ISBN 0-87745-434-5.
- Whitney, Charles A. *Whitney's Star Finder*. New York: Random House, 1990.

Other astronomy books—advanced topics

- Bohm-Vitense, Erika. *Introduction to Stellar Astrophysics Volume One: Basic Stellar Observations and Data*. New York: Cambridge UP, 1989. ISBN 0-521-34869-2.
- Bohm-Vitense, Erika. *Introduction to Stellar Astrophysics Volume Two: Stellar Atmospheres*. New York: Cambridge UP, 1989. ISBN 0-521-34870-6.
- Bohm-Vitense, Erika. *Introduction to Stellar Astrophysics Volume Three: Stellar Structure and Evolution*. New York: Cambridge UP, 1992. ISBN 0-521-34871-4.
- Norton, Andrew J. *Observing the Universe: A Guide to Observational Astronomy and Planetary Science*. New York: Cambridge UP, 2004. ISBN 0-521-60393-5.
- Henden, A.H. and Kaitchuck, R.H. *Astronomical Photometry*. Richmond, VA: Willmann-Bell, 1990.
- Hoffleit, Dorrit, and Carlos Jaschek. *The Bright Star Catalogue* (4th revised edition). New Haven, CT: Yale University Observatory, 1982.
- Hoffleit, Dorrit, Michael Saladyga, and Peter Wlasuk. *A Supplement to the Bright Star Catalogue*. New Haven, CT: Yale University Observatory, 1983. ISBN 0-914753-01-0.
- Jaschek, Carlos, and Mercedes Jaschek. *The Behavior of Chemical Elements in Stars*. New York: Cambridge UP, 1995. ISBN 0-521-41136-X
- Jaschek, Carlos, and Mercedes Jaschek. *The Classification of Stars*. New York: Cambridge UP, 1987. ISBN 0521-26773-0.
- Kaler, James B. *Stars and their Spectra: An Introduction to the Spectral Sequence*. New York: Cambridge UP, 1997. ISBN 0-521-58570-8.

Some Magazines, Journals, and Calendars on Astronomy

- Astronomical Calendar*. Published yearly by Guy Ottewell, Astronomical Workshop, Furman University, Greenville, SC 29613.
- Astronomy*. Kalmbach Publishing Co., 21027 Crossroads Circle, PO Box 1612, Waukesha, WI 53187.
- Journal of the American Association of Variable Star Observers*. AAVSO, 25 Birch St., Cambridge, MA 02138.
- Journal of the British Astronomical Association*. The British Astronomical Association, Burlington House, Piccadilly, London W1V 9AG, England.
- Publications of the Variable Star Section*. Royal Astronomical Society of New Zealand. Frank M. Bateson, Director VSS, PO Box 3093, Greerton, Tauranga, New Zealand.
- Mercury*. The Astronomical Society of the Pacific. 390 Ashton Avenue, San Francisco, CA 94112.
- Night Sky*. Sky Publishing Corp., 49 Bay State Road, Cambridge, MA 02138-1200.
- Observer's Handbook*. The Royal Astronomical Society of Canada, 136 Dupont Street, Toronto, Ontario, M5R 1V2, Canada.
- Odyssey Magazine* [astronomy for children]. Cobblestone Publishing, 7 School St., Peterborough, NH 03458.
- The Reflector: The Astronomical League Newsletter*. Executive Secretary, The Astronomical League, Janet Stevens, 2112 Kingfisher Lane East, Rolling Meadows, IL 60008.
- Sky & Telescope*. Sky Publishing Corp., 49 Bay State Road, Cambridge, MA 02138-1200.

Software

- Guide*. Project Pluto, Bowdoinham, ME (www.projectpluto.com)
- Hands-On Astrophysics: VSTAR*—data analysis, *HOAENTER*—data entry, *HOAFUN*—introduction to variable stars (<http://hoa.aavso.org/software.htm>)
- MegaStar*. Willmann-Bell, Richmond, VA (www.willbell.com)
- Red Shift*. Maris Multimedia, Ltd., Kingston, UK (www.maris.com)
- Starry Night Backyard* and *Starry Night Pro*. Sienna Software, Toronto, Ontario (www.siennasoft.com)
- TheSky* and *RealSky*. Software Bisque, Golden, CO (www.bisque.com)

