

References, Resources, URLs, and CD ROMs

The following Web sites, books, articles, CD Roms, and resources are helpful for additional research into planetary diversity.

URLs

<http://ngst.gsfc.nasa.gov/SimNGST/Frames.html>

Next Generation Space Telescope Mission Simulator

<http://spacelink.nasa.gov/Instructional.Materials/NASA.Educational.Products/Exploring.the.Moon/Exploring.The.Moon.pdf>

Exploring the Moon: A Teacher's Guide With Activities for Earth and Space Sciences

http://vraptor.jpl.nasa.gov/voyager/vgrnep_fs.html

Voyager Neptune Science Summary

<http://spacelink.nasa.gov/products/Exploring.Meteorite.Mysteries/>

Exploring Meteorite Mysteries: This educator guide provides information and activities related to meteorites and their origins, whether it be Mars, asteroids, or the moon.

<http://www.ipac.caltech.edu>

The Infrared Processing and Analysis Center

<http://www-istp.gsfc.nasa.gov/istp/outreach/coolpics.html>

Brought to you by the International Solar-Terrestrial Physics Program and NASA.

<http://www.ghcc.msfl.nasa.gov/GOES/goes.html>

Infrared Processing and Analysis Center

Books and Publications

A History of Science, Volume 2: Hellenistic Science and Culture in the Last Three Centuries B. C. (1959) Cambridge: Harvard University Press.

Beatty, J. K. & Chaikin, A. (Eds.). (1990) third edition. (1999) fourth edition. The New Solar System. Cambridge, MA: Cambridge University Press. [One of the most current coverage of solar theory and technological data; each chapter is written by an authority on the topic, so there are differences in the reading/technical levels between the chapters.]

Bonnet, R. C. & Keen, G. D. (1990). Earth Science: 49 Science Fair Projects. TAB Books.

Booth, N. (1995). Exploring the Solar System. Cambridge: Cambridge University Press.

Encrenaz, T., Bibring, J. P., & Blanc, M. (1990). The Solar System. New York: Springer-Verlag.

Faure, G. (1998). Principles and Applications of Geochemistry. Upper Saddle River, NJ: Prentice-Hall. [A college level text book that contains two short chapters on stellar evolution and the solar system.]

Grinspoon, D. H. (1997). Venus Revealed. Helix Books, Addison-Wesley Publishing Co, Inc. [Easily read story of the Magellan mission to Venus; for the beginning astronomer; interesting anecdotes.]

- Henbest, N. (1992). The Planets: Portraits of New Worlds. New York: Penguin Group. [A non-technical text combined with the photographic results of spacecraft technology.]
- Jaki, S. I. (no publication date given). Planets and Planetarians: A History of Theories of the Origin of Planetary System. New York: Halstead Press/John Wiley & Sons.
- Kaufmann III, W. J. (1978). Exploration of the Solar System. New York: Macmillan Publishing Co, Inc. [A very readable history of planetary space probes; contains diagrams, instrumentation and power sources of spacecraft, Mariner 2 to Voyager 1.]
- Melosh, H. J. (1989). Impact Cratering: A Geologic Process. New York: Oxford University Press.
- NASA (1981). Information Summaries: Our Solar System at a Glance. Jet Propulsion Laboratory.
- Benningfield, D. & Schorn, S. (no date given). Star Date: Guide to the Solar System. Austin, TX: (no publisher given).
- Newton, R. R. (1976). Ancient Planetary Observations and the Validity of Ephemeris Time. Baltimore: The Johns Hopkins University Press.
- Richardson, S. M. & McSween Jr., H. Y. (1989). Geochemistry Pathways and Processes. Englewood Cliffs, NJ: Prentice Hall. [A college-level text book that contains one very extensive chapter on Cosmochemistry.]
- Sarton, G. (1952). A History of Science, Volume 1: Ancient Science Through the Golden Age of Greece. Cambridge: Harvard University Press.
- Shirley, J. H. & Fairbridge, R. W. (Eds.). (1997). Encyclopedia of Planetary Sciences. London: Chapman Hall.
- Simon, S. (1992). Our Solar System. New York: William Morrow and Company, Inc. [An elementary, but well illustrated discussion of the planets.]
- Smoluchowski, R. (1983). The Solar System. New York: Scientific American Library, An imprint of Scientific American Books, Inc.
- Taylor, S. R. (1992) Solar System Evolution: A New Perspective. Cambridge, MA: Cambridge University Press.
- The Far Planets. (1990). Time-Life Books. [Another nicely illustrated popular account.]
- The Near Planets. (1992). Time-Life Books. [Nicely illustrated popular discussion of the near planets.]
- Von Braun, W. & Ordway, F. I. (1979). New Worlds: Discoveries from Our Solar System. Garden City, NY: Anchor Press/Doubleday.

ARTICLES

- Flinn, E. A., Reid, G. C. & Csanady, G. (Eds.). (September, 1977). Scientific Results of the Viking Project. Journal of Geophysical Research American Geophysical Union, Washington, DC. [Highly technical articles interpreting the data from Viking Orbiters 1 and 2.]

NASA CD ROMs

- Planetary Data System, Volume ID Ed 0001 Version 1, NAS 1.86: p. 69. [Educational CD-ROM from grades 9 and above; vivid photographs from NASA space probes; especially good examples of impact cratering, volcanism and tectonism.]

RESOURCES

Frey Scientific Company
905 Hickory Lane
PO Box 8101
Mansfield, OH 44901-8101
Phone 1-800-225-FREY