

The Shoreline Observer



*Newsletter for the
Shoreline Amateur Astronomical Association*

President- Peter Burkey

Vice President- Steve Tuls

Secretary/Treasurer- Mark Logsdon

Robert Wade, Editor

June 1992

June Meeting

The June meeting of the Shoreline Amateur Astronomical Association will be held on **Friday, June 26th, beginning at 9:00 PM** at **Vivekananda Monastery in Ganges (near Fennville), Michigan**. The agenda will be as follows:

9:00-dark	Constellation demonstration (whatever that is..)
dark-???	Star Party, weather permitting.

Board Meeting

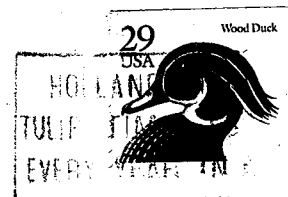
With Sandy, Arlin, and Mark in attendance, Pete called the meeting to order on May 27th at 7:00 PM.

Treasure's Report: \$ 231.35

Mark noted that Astronomy Day expenses were limited to \$23.84 this year, and our treasury is actually in better shape than last year at this time.

As noted above, the June meeting will be held at the monastery at 6723 122nd Ave, Fennville, Michigan. We will meet inside the monastery first, before moving outside for observing, weather permitting. Vivekananda is located on 122nd avenue approximately one-quarter mile east of Blue Star Highway in Ganges (one mile south of

3882 62nd Street
Holland, Michigan 49423



M-89; see accompanying map).

The July regular meeting is **cancelled** for summer vacations. The August regular meeting will be held Friday the 21st of August at Vivekananda, also beginning at 9:00 PM. We hope to return to West Ottawa Middle School planetarium in September after the construction/remodeling is finished.

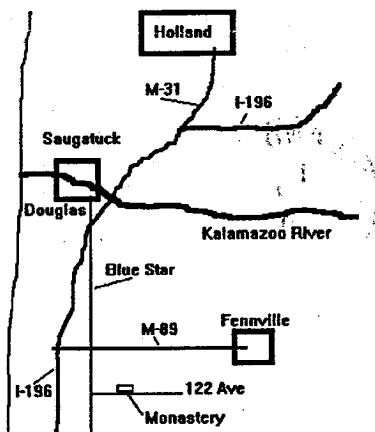
The 1992/1993 dues will be accepted starting September 1st or at the August meeting, whenever convenient.

A review of Astronomy Day 1992 at Westshore Mall is highlighted by the poster contest jointly

sponsored by Walden Books and our local club. The bookstore kindly displayed the posters for many days following our mall show. The following students were the leading poster makers:

Grades 3-5: Bobbie Jo Barret, 1st place, Woodside; Joel Van Auken, 2nd place, Woodside; Rene Poyner, 3rd place, Roosevelt; Regina Cherry, Becky Van Gelderon, and Mitchell Lee Schutte, honorable mention, all of Roosevelt. **Grades 6-8:** Melanie Zoerman, 1st place, Becky Fredericks, 2nd place; Melinda Papp, 3rd place; Heather Dykstra, Kyle Hemmeke, and Jose De La Pena, honorable mention, all of WOMS.

Respectfully submitted by Mark Logsdon, Secretary/Treasurer.



[The following article is a little dated, but still should be useful to those new to astronomy. Check out the local library for some of these titles -- Ed.]

ASTRONOMY ANNOTATED BIBLIOGRAPHY

Carolyn Collins Petersen
International Planetarium Society

The following list of books and periodicals is meant for suggested reading, for those of you who wish to do a little more research in astronomy. It is not a complete list of books in astronomy -- but rather a representative compilation of readily-available sources. I invite anyone to submit names, publisher info, ISBN #, etc. of books and other sources to me, so that I can continually upgrade the list. Most reasonably good bookstores, telescope shops, planetarium/science center/museum gift shops, or college bookstores should be able to order any of these books for you that they don't have in stock. In some cases, I have listed a price for a publication. Sometimes that is the price I paid for the item. Please be aware that prices do change, and

I am not responsible for any difference in prices that you may find.

PERIODICALS:

Astronomy magazine, AstroMedia, Kalmbach Publishing Co., 1027 N. Seventh Street, Milwaukee, WI 53233. 1987 subscription prices are \$21 (USD). Foreign subscribers please add \$5.

Mercury magazine, published by The Astronomical Society of the Pacific. Available to members only. Membership in ASP is \$21 (USD) (\$28 (USD) outside of the U.S.). A technical membership is \$38 (USD) (\$45 (USD) outside U.S.), and includes *Publications of the USP*, a journal of science papers. Write to: ASP, 1290 24th Avenue, San Francisco, CA 94122 U.S.A.

Planetary Report, published by The Planetary Society. A quarterly journal of space-related publications, available to members of The Planetary Society. There are differing membership levels, starting at \$25 per year. For information, write to The Planetary Society, 65 N. Catalina Avenue, Pasadena, California, 91101.

Sky and Telescope magazine, Sky Publishing Corporation, 49 Bay State Road, Cambridge, MASS, 02238-9102. Subscription rates are \$20 per year, \$37 for 2 years, and \$54 for three years. (All rates USD). Write for information on foreign rates.

BOOKS:

Abell, George O. *Exploration of the Universe*, 4th Ed., New York, Saunders College Publishing, 1982. \$28.95. ISBN 0-03-058502-3. This is a college-level text, somewhat encyclopedic, but still useful several years after the author's death. There is a fifth edition being done, and will appear under Abell's name in mid-1987.

Boslough, John. *Steven Hawking's Universe*, New York, William Morrow and Company, Inc. 1985. \$7.95 ISBN 0-688-06270-9 (pbk). An interesting look at black holes, cosmology, and theoretical physics by way of a look into the life of Stephen Hawking.

Brecher, K., and Feirtag, M. Editors, *Astronomy of the Ancients*, Cambridge, MA, MIT Press. 1979. \$7.95. ISBN 0-262-52070-2 (pbk). A compilation

of essays and papers by prominent archaeo-astronomers.

Burnham, Robert, Jr. *Burnham's Celestial Handbook*, Mineola, NY, Dover Publications, Inc. ISBN 0-486-24063-0 (pbk). A handy reference guide to the universe beyond the solar system. This is a catalog of celestial bodies, written by Robert Burnham, Jr., former staffer at the Lowell Observatory. This is a three-volume set.

Chandler, David. *Exploring the Night Sky with Binoculars*, 1983. \$4.95 ISBN 0-9613207-0-2. (For ordering information, write to Sky Publishing Corp., 49 Bay State Road, Cambridge, MASS 02238-9102.) A brief introduction to astronomy through the use of binoculars.

Hartmann, William K. *Astronomy: The Cosmic Journey*. 3rd Ed., Belmont, California, Wadsworth Publishing Co., 1985. (ca \$30) ISBN 0-534-04011-X. An less-encyclopedic astronomy textbook.

Kaufmann, William J. III. *Black Holes and Warped Space-Time*, New York, W.H. Freeman and Company. 1979. (pbk) ISBN 0-7167-1153-2. The author (an astrophysicist at San Diego State University), takes a look at black holes and their ramifications.

Menzel, Donald H., and Pasachoff, Jay M. *A Field Guide to the Stars and Planets*, Peterson Field Guide Series. No. 15., Boston, Houghton Mifflin Co. 1983. ISBN 0-395-34835-8 (pbk). \$12.95. A rather good field guide, complete with photos of the sky, charts, graphs, and other pertinent information. Good for armchair astronomy when weather doesn't permit the real thing.

Moore, Patrick. *Stargazing: Astronomy Without a Telescope*, New York, Barron's Educational Series, Inc. 1985. \$19.95. ISBN 0-8120-5644-2 (hardcover) Patrick Moore is a well-known British astronomer, president of the Astronomical Association, and former director of the Armagh Planetarium. His book takes the reader on a leisurely journey through the seasons, and makes use of four glow-in-the-dark star charts.

Murray, B., Malin, M.C., Greeley, R. *Earthlike Planets -- The Surfaces of Mercury, Venus, Earth, Moon, Mars*, San Francisco, W.H. Freeman and Company, 1981. \$18.95 pbk) ISBN 0-7167-1149-4. This book takes an in-depth look at these planets,

without being too overly technical for the lay reader. Liberally illustrated.

Peltier, Leslie. *Guide to the Stars: Exploring the Sky With Binoculars*. Milwaukee, WI., AstroMedia, Kalmbach Publishing, 1986. (orig. published by Cambridge University Press). ISBN 0-913135-04-6 (pbk) The late Leslie Peltier remains an inspiration to amateur astronomers everywhere. Discoveries of twelve comets and four novae are credited to him, along with his systematic measuring of variable stars. This book is his guide to the stars -- along a leisurely trail. The beginner will find the book to be friendly and helpful, and the experienced amateur will enjoy it as well. Peltier includes charts, and an observer's log.

Rey, H.A. *Find the Constellations*, Houghton Mifflin Publishers, 1966. This is a good book for ages 8-12, and adults will find its easy-to-use constellation outlines amusing.

Rey, H.A. *The Stars*, Boston, Houghton Mifflin Co., 1976. (ca \$8.95) ISBN 0-395-24830-2 (pbk). An "adult" version of *Find the Constellations* -- complete with easy-to-understand constellation figures. A good book to give a beginning adult astronomer.

Ridpath, Ian. *The Young Astronomer's Handbook*, New York, Arco Publishing Co. 1984. \$9.95. ISBN 0-668-06046-8 (hardbound). A colorful, nicely done book for children and adults. Many color photographs and graphs to illustrate the concepts of astronomy.

Rowan-Robinson, Michael. *Cosmic Landscape: Voyages Back Along the Photon's Track*, Oxford, Oxford University Press, 1979. \$19.95 (hardbound) ISBN 0-19-857553-X. This book takes a unique approach to the study of light. It gives the reader a look at various objects as they would look under ultraviolet, gamma, x-ray, infrared, etc. A good read for the informed layperson who wants to know a bit more about how we use the entire spectrum to study the universe.

Sagan, Carl. *Cosmos*, New York, Random House, Inc. 1980. ISBN 0-394-50294-9 \$19.95 (hardbound) The book based on Carl Sagan's 13 part television series. It is a personal and often inspirational voyage with Dr. Sagan through the cosmos, and the history of astronomy. (also available in large-size paperback)

Verschuur, Gerrit L. *The Invisible Universe Revealed*, New York, Springer-Verlag, Inc. 1987. (ca. \$25 hardbound) ISBN 0-387-96280-8. This is a completely rewritten version of Verschuur's earlier book, *The Invisible Universe*. This would also make a good read for the informed layperson. Verschuur explains radio astronomy in clear, simple language.

SPECIAL PUBLICATIONS:

Broman, Lars, *27 Steps to the Universe*, Resource Book in Experimental Astronomy. International Planetarium Society, 1987. \$15 (USD) (This book is available as a membership benefit for members

of the International Planetarium Society. Membership information can be obtained from Mark C. Petersen, IPS Treasurer and Membership Chairman, P.O. Box 3023, Boulder, Colorado 80307.) This book will be available for purchase non-members AFTER MAY 1, 1987. For ordering information, write to Charlene Oukes, IPS Publications Repository, Strassenburgh Planetarium, 663 East Street, Rochester, NY 14603.

MacRobert, Alan, *Backyard Astronomy*, 1987, Sky Publishing, Cambridge, MA. ISBN 0-933346-44-1. For ordering information, write to Sky Publishing, 49 Bay State Road, Cambridge, MASS 02238-9102. A pamphlet full of tips on observing the universe, from the pages of Sky and Telescope magazine. Includes a glossary of astronomy terms and is well-illustrated.