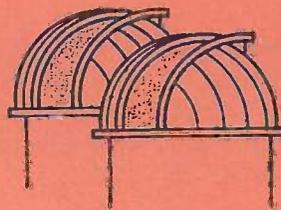


# DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

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APRIL - 1979

APRIL PROGRAM-MEETING: Many of the stars seen by the naked eye or in telescopes are really binary systems; two stars nearly the same or markedly different that revolve around a common center of gravity. Some are easy to resolve while others are so close to each other that not even our largest telescopes can see the individual stars; they appear as one.

Discovery of the latter was made possible by the spectroscope which tells of their existence and motion by displacement of their combined spectra.

More than 25,000 binary systems are known and to tell us a good deal about this important and popular branch of deep-sky astronomy is Dr. Elaine Hendry who will explain their nature in her talk entitled "Spectroscopic Binary Stars." Dr. Hendry is a professor of astronomy at the Univ. of Wisconsin-Parkside, near Racine.

Bring a friend to share an enjoyable evening.

TIME: Friday, April 20, 1979, 8 p.m.

LOCATION: Room 133, UWM Physics-Olsen Planetarium Bldg., corner of Kenwood and Cramer.

NCRAL CONVENTION: The 33rd Annual Convention of the North Central Region Astronomical League will be hosted by the Racine Astronomical Society in Racine, Wisconsin. The date; Saturday, Apr. 21. The meeting place; the Parkside Union, Univ. of Wisconsin-Parkside, near Racine. UW Parkside is located about 5 mi. south of Racine on Hy. E and Wood Road, or approx. 4 mi. east of I-94 on Hy. E. Use the Union parking lot located off the Outer Loop Road.

Here are the details:

- Convention convenes-9 a.m.
- Registration information-send name, address, city, state, zip, Society name, names of others registering with you, and check payable to Racine Astronomical Society, to Mrs. Betty Lizik, 1216 W. Colonial Drive, Racine, Wisconsin, 53405.
- Registration fees-\$4.00 per family. Lunch tickets \$3.00 each. Banquet tickets \$6.00 each. Group photo-\$2.00. The MAS was late in receiving this information, so rush your reservation for lunch and banquet tickets! Don't wait. You may bring a lunch or use vending machines on campus.

- Lodging-motels in the area.
- Papers and/or exhibits-send your name, name of paper, equipment, or table space needed.
- Observing-the RAS Modine-Benstead observatory will be open Friday and Saturday nights.

Call L. Simandl (933-3052) for more information.

ELECTION OF OFFICERS AND BOARD MEMBERS: Every May a major part of the program-meeting is devoted to election of MAS officers and board members.

Board member vacancies may be filled by re-election of incumbents or election of volunteers, nominees, or recommended members. Recommended members who accept should prepare a brief qualification resume.

It goes without saying that all candidates must be devoted, serious, and willing to help guide the destiny of the Milwaukee Astronomical Society.

Chris Hesseltine (765-0251) will be the election chairman. Call him or any of the officers listed at the top of page 1 if you'd like to volunteer or know of a good prospect. At least two people for each office would be fine.

Officers are elected by the board, but candidates need not be a director. Any qualified MAS member may try for office.

ALOHA FROM THE ALBRECHTS! Bill and Anne left for their home in Hawaii in January. Among their last memories of the continental U. S. was a harrowing trip by auto through blizzards to the west coast. Now they are settled in their residence on the island of Hawaii, and are busy turning their house into a home.

Bill is employed by the Canada-France-Hawaii Telescope Corp. He is working on the design and production of auxiliary equipment to be used in a 3.6 meter infrared telescope which will be assembled on Mauna Kea, 13,000 feet above sea level. Incidentally, Bill found four feet of snow up there!

Bill and Anne invite you to stop in. If you want to drop a note, their address is P. O. Box 307, Pahala, Hawaii, 96777.

YOUR SOCIETY NEEDS a donated 35mm automatic carousel slide projector and a 16mm movie projector. These items are needed for the Open House programs, special observatory tours, and the summer program-meetings.

If you or a friend own one of these items and no longer need it, or perhaps have purchased something better, let Treas. Jim Toeller know.

26" (66cm) TELESCOPE PROGRESS REPORT: Cash available is \$9,349. This total varies as money is added to the fund or withdrawn for building purposes. Thanks to a lot of generous people, we've gone a long way towards our goal!

Architect and MAS member John Jach promises delivery of drawings soon.

SOMETHING NEW! Our monthly program-meetings are going to continue during June, July, and August! We'll meet on the third Wednesday at 7:30 p.m. at the observatory. There will be an interesting program for you and your guest(s). Bring your telescope.

More details in the May Double-Dome.

METEOR SHOWERS:

<u>SHOWER</u>	<u>MAXIMUM</u>	<u>PEAK RATE/HR</u>	<u>COMET SOURCE</u>
Lyrids	Sat., Apr. 21	15	1861 I
Eta Aquarids	Fri., May 4	18	Halley

Best viewing between midnight and dawn. Peak may occur at maximum plus/minus a day or two.

THE BOARD WILL MEET Friday, April 27, 7:30 p.m., at the home of Pres. and Mrs. Dwight Harris, 3229 N. Shepard Av. Wives are invited.

OBSERVATORY NOTES: Ray Zit, Obs. Director (342-4037)

- o STAFF meeting; Wed., May 2, 7 p.m., at the observatory. Everyone is welcome. This is a good time to ask questions, learn, do!
- o Annual spring cleanup; Sat. and Sun. May 5-6. There are lots of jobs, some big, some small, but something for everyone. Ladies are invited.

There are 8,760 hours in a year. Can you spare one for your Society? Let's maintain our good image in the community. Bring cleaning paraphernalia, tools, and elbow grease.

- o Please do not drive on the grass; the grounds are soft at this time of the year. You may be lucky and not sink too far. Better park in the lot.
- o Member's night keyholders will be:

Apr. 14 T. Renner 1-392-2799	May 5 V. Tangney 327-7976
21 G. Samolyk 462-1340	12 G. Wedemayer 476-1827
28 T. Schmidtkunz 774-9590	19 R. Zit 342-4037

Members may use the facilities for any worthwhile project on these nights-no outsiders please, except parents of young members. Call the keyholder the Fri. before his night - cancel Sat. if necessary. The keyholder is urged to come out anyway. The keyholder is also responsible for tours during the week preceding his night. Requests should be cleared through Mr. Toeller (352-7144).

- FULL PINK MOON - THUR., APR. 12 -

LeRoy Simandl, Editor (933-3052)  
4201 W. Highland Blvd., Milwaukee, Wis. 53208

MAY ELECTION

NCRAL CONVENTION IN RACINE APRIL 21