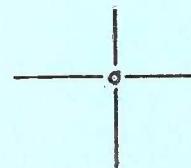
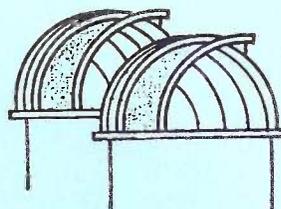




# DOUBLE DOME



Issued by the  
MILWAUKEE ASTRONOMICAL SOCIETY

- : APRIL 1983 : -

## CALENDAR:

- Fri., Apr. 15 - April Program-Meeting.  
Fri., Apr. 22 - Board of Director's meeting, 7:30 P.M., at the home of Mr. & Mrs. Donald Grenda, 3333 5th Av., Unit 6D, S. Milw. (762-0089). Spouses welcome.  
Sat., Apr. 23 - National Astronomy Day.  
Fri., Sat., May 13, 14 - 37th Annual NCRAL Convention at Des Moines, Iowa.  
Fri., May 20 - May Election-Meeting.  
Sat. Nights - Member's nights.

## APRIL PROGRAM - MEETING:

WHEN: Friday, April 15, 8 P.M.

WHERE: UWM Physics Bldg., corner of Kenwood and Cramer, room 133.

The main speaker and the subject of his talk will be announced at the meeting.

Members and non-members are welcome.

ONE OF OUR MOST LOYAL MEMBERS and certainly our most benevolent was the late Cora Zemlock who passed away September 26, 1981, at the age of 96.

Cora joined the Society in 1946 and was an active member who would frequently attend meetings, Open Houses, or volunteer when help was sought.

Her contribution of the 26" telescope mirror blank, now finished and ready for installation into what will be a nationally recognized astronomical instrument, is a monument to her generosity.

Under the terms of Miss Zemlock's last will and testament, the Milwaukee Astronomical Society received a generous bequest from her estate for maintenance, new equipment, or for any other good and proper purpose as determined by the MAS officers and directors.

Cora Zemlock may eternally rest assured that her bequest, along with the recent generous contributions from other MAS members and supporters, will be judiciously used to enhance the cause of amateur astronomy through education and inspiration.

MAY ELECTION REMINDER: A good part of the May meeting will be devoted to the election of four officers and four board members who are selected from incumbents, nominees, volunteers, or recommended members. If you recommend someone, be certain he or she knows about it.

Directors serve three-year terms with a two term limit. Officers serve for one year with unlimited re-election.

Many MAS members are capable of filling these positions and it's quite possible that they may be instrumental in the completion of the 26" reflector.

THE 37th ANNUAL CONVENTION of the North Central Region of the Astronomical League (NCRAL), hosted by the Des Moines Astronomical Society, will take place May 13 and 14 at the Best Western Inn in Ankeny, Iowa, just off the I-35 Exit about 4 miles north of I-80. Ankeny is about 4 miles north of Des Moines, and approximately 370 miles from Milwaukee.

Attendees will enjoy:

- o Paper sessions.
- o Observing through the 8" refractor at Drake University.
- o A Bar-B-Q dinner at Ashton-Wildwood Park followed by observing through 8", 12.5", and 16" reflectors.
- o Astrophoto, astroart, telescope and equipment fairs.
- o Three principal speakers.

For complete information and registration forms, write Jeffrey R. Lewis, 3407 SE 18th Court, Des Moines, Iowa 50320.

A HARLOW SHAPLEY LECTURE, "Matter Between the Stars" will be presented by Helene R. Dickel of the Univ. of Illinois Astronomy Dept. Thurs., April 14, at 8 P.M. in the Marquette Univ. Todd Wehr Chemistry Bldg., CH 100 (on the West Mall approximately 1 block south of 14th & Wisconsin Ave.).

In what promises to be an interesting talk, highly qualified Prof. Dickel will show that the space between stars is not a vacuum but is filled with a small amount of hydrogen and various contaminating atoms and molecules. This material forms giant clouds that are violently active, forming stars, bursting, or behaving chaotically.

DAVID EICHER of Milwaukee is our newest member. He will be introduced at the April meeting.

APOLOGIES: Last month's new member William Dedrosian should have been introduced as William Bedrosian.

THERE WILL BE A PUBLIC OPEN HOUSE at the MAS observatory Sat. evening, April 23, to observe National Astronomy Day. A short talk and slide presentation at 8 P.M. and viewing through the 'scopes, if the weather cooperates, will be featured.

Volunteers to operate telescopes, guide, and attend the parking lot are needed. Call Pres. Frank Roldan at 344-2354 if you can help.

OBSERVATORY NEWS: The 26" telescope polar axis shaft is ground and ready for installation. Castings for the declination bearing flanges are ready for someone to machine. Call G. Samolyk if you can do this or know who can. John Asztalos will soon be going to Arizona to pick up the mirror!

Good, thorough police work has resulted in the apprehension and arrest of the thieves and vandals who broke into the "A" building last July causing senseless damage and the theft of money and pieces of our meteor and satellite exhibit. The Russian Sputnik satellite fragments that were found in and near Manitowoc many years ago will be returned to the Society.

<u>METEOR SHOWERS:</u>	<u>PEAK DATE &amp; TIME</u>	<u>MOON</u>	<u>PEAK RATE/HR</u>
Lyrids	Thu., Apr. 21 3:30 A.M.	1st Qtr.	15
Eta Aquarids	Wed., May 4 3 A.M.	Last Qtr.	18

Best viewing is between midnight and dawn. Peak rate may occur a day or two before or after maximum. On any normal night, an observer should see between 5 and 10 meteors per hour.

FOR SALE: Meade 8-inch, f/6 reflecting telescope equipped with: focuser 2" or 1-1/4", 8x50 right angle finder, rotating tube saddle, heavy duty and covers for tube, accessory box with 5 eyepieces and 2x Barlow, manual declination control, ball bearing polar axis, one and a half months old, all for \$500.00. Call Mr. Steve Jorgensen at 312-397-0002 (northern Illinois).

FOR SALE: Sturdy German equatorial mount with four-legged pedestal. Made of machine steel. Has thrust bearings on both axes. 1/2" drive shaft, weight approx. 250 pounds. Will accept up to a 10" reflector. Asking \$700, but will accept a reasonable offer. Please call Roger Kent, Colgate, Wis., 1-628-3745.

WANTED: Donation of a pair of 8x50 or 10x50 binoculars for the St. Pius X Elementary School Cosmic Star Gazers Astronomy Club. Will also consider a reasonably priced pair. Please call Dale Putkowski at 771-0880 (school) or 774-9307 (home).

FOR SALE: Edmund 3" reflector with tripod, 8 and 25 mm eyepieces, 2 1/2x Barlow, starfinder, and instruction book. An excellent telescope for a beginner at \$130. Please call Donald W. Barske at 545-2313.

GRAZERS planning to observe the graze on Friday morning, April 29, at 1:24 A.M. should call 258-5626 for go/nogo information. But do not wait until the last minute because Gerry Samolyk must get the cable cart and make other preparations if there are enough observers.

MEMBER'S NIGHT KEYHOLDERS:

Apr. 9	V. Tangney	327-7976	May 7	L. Burazin	481-4852
16	J. Asztalos	258-5626	14	R. Berry	442-4267
23	H. Auchter	542-2158	21	W. Collins	255-4169
30	P. Borchardt	445-1181			

Saturday night is member's night at the observatory. All members are invited to come out to observe, learn how to use the equipment available, or just chat. Call the keyholder the Fri. before his night - cancel Sat. if necessary. Keyholder should report anyway. He will also oversee tours during the week ending with his assigned night. Mr. J. Toeller (352-7144) will act on requests.

- : FULL PINK MOON WED., APR. 27 : -

MAY DOUBLE-DOME DEADLINE: Friday, May 6. Please notify the editor of items to be included in the May issue by this date.

DIRECTORY:

President - Francisco Roldan - 344-2354  
Vice President - Eileen Korenic - 541-3999  
Program Chairman - Daniel Koehler - 544-1178  
MAS Secretary, 26" Telescope Chairman - William Tuerck - 782-2844  
Treasurer - James Toeller - 352-7144  
Observatory Director - Gerry Samolyk - 258-5626  
Asst. Obs. Director - John Asztalos - 258-5626  
Double-Dome Editor - LeRoy Simandl - 933-3052  
MAS Observatory - 18850 W. Observatory Rd., New Berlin - 542-9071

LIFE IS LIKE THE MOON: NOW DARK, NOW FULL.