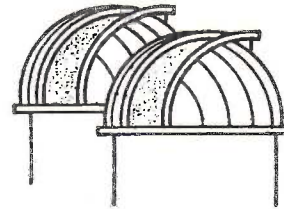


DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

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APRIL - 1978

APRIL PROGRAM-MEETING: Hardly two decades have passed since the first artificial satellites were lofted into undefiled outer space.

Among the nearly 4000 ingenious mechanisms now orbiting the earth are orbiting telescopes of highly advanced design and function. Some can "see" in electromagnetic spectrum wavelengths invisible to earthbound observers.

But what is to become of our earthbound instruments; will the 40" Yerkes refractor, and the 200" Hale and the new 6 meter Russian reflectors become obsolete?

David Monet, a graduate of the University of Chicago working at Yerkes, will assuage our fears with some answers in his talk "Astrometry" in which he reveals, in particular, how a refracting telescope first put in use in 1897 is still vital and valuable in today's studies of modern cosmology.

WHEN: Friday, April 21, 8 p.m.

WHERE: Engineering Bldg., Room 133, UWM Physics
Bldg., Corner of Kenwood and Cramer.

THERE WILL BE SOMETHING EXTRA at the April Program-Meeting when one of our most active members, Harvey Kuehn, describes a home-built declination drive for a 6" reflector.

ELECTION OF BOARD MEMBERS AND OFFICERS will be part of the May Program-Meeting.

Four directors are needed. One must leave for having served two consecutive terms. The other vacancies may be filled by re-election of incumbents or election of volunteers, nominations from the floor, or members who have accepted after their names were submitted by fellow members. In the latter event, candidates should submit a brief resume. Call Election Chairman Chris Hesselstine (765-0251) or any officer listed at the top of this page. At least two people for each office would be ideal.

Officers are elected by the Board of Directors, but candidates need not be a director. Any qualified MAS member who will carry out the office duties may run.

CONVENTIONS! Two will occur in the not-too-distant future. The American Association of Variable Star Observers (AAVSO) will convene Sat. & Sun., June 3 & 4, in Ann Arbor, Michigan, and the National Convention of the Astronomical League will take place Fri., Sat. & Sun., June 29, 30, and July 1, at the Sheraton Inn in nearby Madison, Wisconsin.

Complete details are given in the Reflector and Northern Lights, published by the Astronomical League and the 3M Club Astronomical Society respectively. Many people will attend so register early, especially for hotel accommodations. A convenient form is on page 4 of the Observer. Call 933-3052 if you need information.

There will be no regional convention this year for the North Central Region. A Business meeting will take place during the National Convention in Madison.

25" TELESCOPE FUND RAISING NOTES: Ray Zit, Chairman 342-4037.

- Sell newspapers and junk and forward the proceeds to Ray.
- Our fund raising brochure should be ready by the next meeting.
- We plan to raffle off an Edmund Astroscan 2001 during the open house season.
- Lawrence Burazin and Francisco Roldan are co-chairmen of the second annual 25" Telescope rummage sale. The sale will be held on Sat. & Sun., June 3 & 4, from 9 to 5. Bring your items to be sold to the observatory May 27 & 28 between 9 & 5. Call 481-4852 or 762-5665 if you need item pick-up.

Rummage through your garage, attic, drawers, or cabinets. Odd dishes, glasses, outgrown clothing, mechanical things that still run or could be made to, books, jigsaw puzzles, or what have you may be joys to behold to someone. And antiques are still popular. But please, no junk. If you'd like to leave things on consignment and give the MAS a percentage of what you realize, call Lawrence or Francisco.

We also need many volunteers to help on the above dates.

All proceeds go to the 25" Telescope Fund. Last year the MAS realized about \$700. Not bad! Can we do better this year?

CALENDAR:

- . Fri., Apr. 21 -- Light pollution in the Milwaukee metropolitan area, concerns everyone. 6:45 p.m. UWM Engrg. Bldg., Room 133. General Program-Meeting follows at 8 p.m., same place.
- . Fri., Apr. 28 -- Board of Directors, at the home of V.P. & Program Chairman Tom Renner, 4512 Deerpark Dr., Dousman, 7:30 p.m. Wives welcome.
- . Wed., May 3 -- Staff Meeting, at the observatory, weather permitting. Call 342-4037 first. All members welcome, especially youngsters.

MIRROR CLINIC: If you have questions concerning mirror grinding, polishing, or finishing, you can get some answers by calling Richard Berry (442-4267), William Collins (255-4169), or James Toeller (352-7144).

FOR SALE! Astro-Posters. Each poster is in color and measures 22½" x 29". The Orion Nebula, Andromeda Galaxy, Pleides, and Earth as seen from space are available for \$2.50 each; the Trifid Nebula, Gaseous Nebula in Serpens, Veil Nebula, and Planetary Nebula in Aquarius are available for \$2.00 each.

If you'd like one or more of these beautiful posters call Erich Schmidt, 2417 W. Halsey Ave., Milw., Wis. 53221 (281-4971).

METEOR SHOWERS:

<u>SHOWER</u>	<u>MAXIMUM</u>	<u>PEAK RATE/HR</u>	<u>COMET SOURCE</u>
Lyrids	Fri. Apr. 21	15	1861 I
Eta Aquarids	Sun. May 5	18	Halley

Best viewing time between midnight and dawn. Watch a day or two before or after the maximum.

OBSERVATORY NOTES:

o Summer observers schedule

Mon. - Harvey Kuehn (until 12) 774-6256.

Tues. - Ed Halbach (until 12 plus) 541-1181.

Wed. - Bill Albrecht & Aris Penakis (until 12) 464-5085 or 354-9708.

Thu. - Open.

Fri. - Ray Zit (until 12 plus) 342-4037.

Sun. - Virgil Tangney (until 12) 327-7976.

o Spring housecleaning, repair, and equipment maintenance will start on the May 6 & 7 weekend. Long Range Planning Committee Chairman Harvey Lindemann is forming maintenance groups. Please volunteer if called. It won't take long if we all pitch in. Ladies are invited too. The place could use a woman's touch!

MEMBERS' NIGHT: Keyholders in charge are:

Apr. 15 - C. Hesseltine 765-0251	May 6 - R. James 421-2162
22 - E. Halbach 541-1181	13 - B. Krueger 281-6904
29 - D. Harris 964-1428	20 - H. Kuehn 774-6256

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, SAT., APR. 22 -

LeRoy Simandl, Editor (933-3052)
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