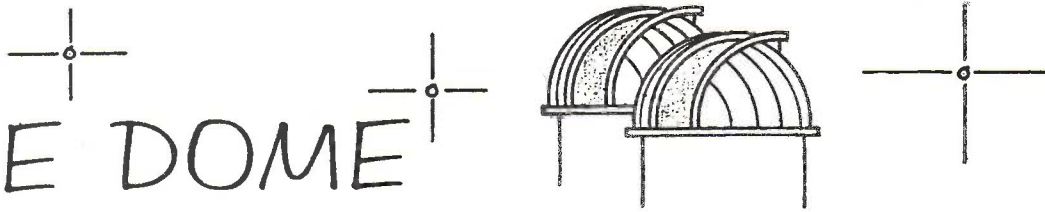


DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

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Long Range Planning Com. Chairman - H. Lindemann 871-5900

FEBRUARY - 1978

FEBRUARY PROGRAM-MEETING: No one interested in astronomy can deny that the Orion Nebula (M42) is one of the finest objects for the telescope! This is easily proved since constellation Orion now dominates the southern sky. Moreover, things are happening in the nebula that are being studied with increasing interest.

What recent observations and latest developments have revealed will be the subject of a talk entitled "Orion Nebula", by Dr. David Abbott, Prof. of Astronomy at UWMadison.

Be part of the usually large audience Friday, Feb. 17, in the UWM Engineering Bldg., Corner of Kenwood & Cramer, Room 135, at 8. Bring a friend.

1977 ANNUAL ACTIVITY REPORT: We're not doing nothing! Read this impressive tally of observations:

LONG PERIOD VARIABLES: (Nos. in parentheses show stars fainter than mag. 13.8). R. Zit (517)63; E. Halbach (504)123; P. Murn (56)9; K. Krueger (25)3; W. Albrecht (14)1; V. Tangney (8); A. Penikis (1).

ECLIPSING BINARYS:

<u>Name</u>	<u>Minima</u>	<u>Stars</u>	<u>Estimates</u>
G. Samolyk	245	177	3437
D. Ruokonen	72	67	817
G. Wedemayer	52	44	650
G. Hesselstine	10	10	126
E. Halbach	2	2	20

GRAZING OCCULTATIONS: A particularly successful graze Apr. 25. Nine observers recorded 108 data points--a record for a Cassini region graze. See the following graze notice.

STANDARD OCCULTATIONS: Ten observers made 104 standard observations.

The Society is proud of this impressive record, and offers its thanks to all observers!

GRAZE NOTICE:

DATE: Tues., March 14-15 TIME: 8:01:35 CST
STAR: Z3537 MAG: 8.4 ALT: 40° AZIM. 255°
SUNLIGHT - 34%

Dark limb graze: Northern limit. Assemble at intersection of county highways VV and Y near Menomonee Falls--consult your SE Wis. map. Call 342-4037 for further details.

NEW MEMBERS recently accepted are:

PATRICIA COLLINS, Milwaukee; general astronomy.
THOMAS FLATLEY, Whitefish Bay; Nebulae, photography.
MR. & MRS. RICHARD OLLMAN, Milwaukee; general astronomy.

CALENDAR:

- . Fri., Feb. 17--General Program-Meeting. Members and guests welcome. UWM Engrg. Bldg., Room 135, at 8.
- . Fri., Feb. 24--Board of Directors, at the home of Pres. Dwight Harris, 3824 N. Maryland Ave., 7:30 p.m. Wives welcome.
- . Wed., Mar. 1--STAFF meeting at the observatory, weather permitting. Open to all members. Prime focus photography will be featured.

MEMBERSHIP LIST UPDATE: Membership list changes will be published in the March Double Dome. If anything about your 1977 listing is incorrect please call L. Simandl at 933-3052. To reduce expenditures, complete lists will be sent only if requested.

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

- o Non-keyholders are requested to call the Saturday night keyholder on Fri. for confirmation. Non-keyholders dropping in on week nights will be expected to take part in the assigned observer program for instruction and assistance. We are attempting to re-establish our observer training program.
- o New eyepieces are on the way, mainly for use with the Eclipsing Binary (EB) program. Two will be reserved for the "H" (Halbach) 'scope. G. Samolyk will be responsible for the EB eyepieces; EB observers must see Jerry about the use and care of these optics.
- o Prime focus photography will be a regular part of the first Wednesday STAFF meetings. The program will get underway when warmer weather arrives. The Society has many photographers, so here is an excellent chance to practice and improve photographic skills.
- o Please close the "H" dome properly so snow doesn't sift in. It was not meant to be an igloo!
- o A garage or inside storage space is needed for the graze cable trailer during the snowy months. It is now snowed in at the observatory necessitating use of tape recorders and time signals for timing grazes. Also needed is 1 7/8" ball trailer hitch.

MEMBERS' NIGHT: Keyholders in charge are:

Feb. 11 - V. Tangney 327-7976	Mar. 4 - J. Asztalos 547-3400
18 - G. Wedemayer 476-1827	11 - W. Albrecht 464-5085
25 - R. Zit 342-4037	18 - H. Auchter 542-2158
	25 - R. Berry 442-4267

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 SNOW MOON, WED., FEB. 22 -

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