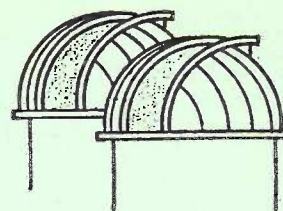


DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

Pres.-F. Roldan 344-2354
V.P.& Co-Prog.Chm.-D. Fromm 332-3725 Prog.Chm.-E. Korenic 541-3999
Sec. - Mrs. M. Fromm 332-3725 Treas. - J. Toeller 352-7144
Obs.Dir.-G. Samolyk 258-5626 Asst.Obs.Dir.-J. Asztalos 258-5626
Convention-50th Anniversary Chairman - W. Konig 242-2369
Observatory site - 18850 W. Observatory Rd., New Berlin 542-9071

- : DECEMBER 1981 : -

DECEMBER PROGRAM-MEETING: The art of guiding and knowing the position of a ship, plane, or space vehicle depends upon quite an array of sophisticated instruments and techniques.

Early navigators relied upon the stars. One of the oldest instruments is the compass, but one of the chief instruments of the astronomer, astrologer, and navigator was the astrolabe which later was superseded by the sextant. The present state of the art includes electronic and inertial guidance devices.

The November meeting will feature Lieutenant Frederick DeBold of the Marquette University ROTC. He will talk about methods of navigation in his talk "Astronavigation."

When: Friday, December 11, 8 p.m.

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

JANUARY DINNER-MEETING: Mr. & Mrs. Dan Fromm have completed the plans to make your 14th Annual Dinner-Meeting enjoyable! Reservations are now being accepted.

Dinner will be served Friday, Jan. 15, 1982 in the University of Wis.-Milwaukee Union, Wisconsin Room Lounge, Room E-229 on the second floor. The Union is located at Kenwood and Maryland, two blocks east of our usual meeting place. You may park in the nearby parking pavillion, or on the street.

The sit-down dinner includes in addition to the entree, appetizer, salad, potato, rolls, butter, beverage, and dessert. The cash bar will be open from 6 to 7, dinner at 7, meeting at 8.

Dr. Robert Greenler, UWMilwaukee Professor of Physics, will offer an entertaining talk after the meeting.

No reservation or payment is required for attending only the meeting. Members and guests are invited. A convenient reservation form appears at the end of this newsletter. All reservations must be made by January 11, 1982!

If you need or can offer transportation to or from the Dinner-Meeting, call one of the MAS officers listed above or the Double-Dome Editor.

CALENDAR OF EVENTS

- Fri., Dec. 11, 8 p.m. - December Program-Meeting.
- Fri., Dec. 11, 7 p.m. - Board meeting, prior to Program-Meeting.
- Fri., Dec. 25 - Merry Christmas, everyone!
- Fri., Jan. 1 - Happy New Year, everyone!
- Fri., Jan. 15 - January Dinner-Meeting.

NEW MEMBERS: To be introduced at the December program-meeting are: Raymond Anttila, Milwaukee; Allen Henderson, Milwaukee; Frank Kenny, and wife Jill, Greendale.

Welcome to the Milwaukee Astronomical Society!

OBSERVATORY NEWS: 26" (66cm) TELESCOPE: After several days of work from dawn to dusk, Gerry Samolyk and his able assistants popped the last rivet to attach the aluminum skin to the dome frame. With the addition of the shutter, the dome should be complete.

MEMBER'S NIGHT KEYHOLDERS:

Dec. 5	T. Schmidtkunz	1-338-2757	Jan. 2	P. Borchardt	445-1181
12	V. Tangney	327-7976	9	L. Burazin	481-4852
19	H. Auchter	542-2158	16	R. Berry	442-4267
26	J. Asztalos	258-5626			

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.

FOR SALE: C90 spotting scope, camera tripod adapter, 18mm eyepiece, tele-extender, 2.5X barlow, and carrying case. \$185.00. Contact Bob Halter, 2956 N. 77th St., 258-7692.

METEOR SHOWER:

<u>SHOWER</u>	<u>NIGHT OF MAXIMUM</u>	<u>PEAK RATE/HR</u>
Geminids	Mon., Dec. 13	55

Best viewing between midnight and dawn. Peak may occur a day or two before or after maximum date.

- : FULL HUNTING MOON FRI., DECEMBER 11 : -
 - : FULL WOLF MOON SAT., JANUARY 9 : -

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

- MERRY CHRISTMAS! HAPPY NEW YEAR! : -

I (we) want to attend the Jan. 15, 1982 Dinner-Meeting! Please make the following dinner reservation(s).

How Many?

Roast Sirloin Baron Beef Au Jus @ \$7.00 each
Prices include gratuity and extras listed in Dinner-Meeting notice.

Name _____

Address & Phone _____
Please send your selections and check made payable to the Milwaukee Astronomical Society to Mr. Dan Fromm, 2511 E. Newton Av., Shorewood, Wis. 53211 (332-3725).