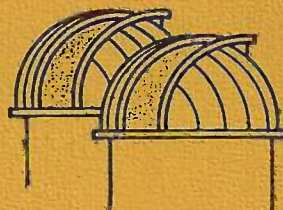


DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

Pres.-F. Roldan 344-2354 V.P.& Prog.Chm.-J.Greenwald 774-8.
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Treas.-J.Toeller 352-7144 LRPC Chm.-H.Lindemann 871-5900
Obs.Dir.-R.Zit 342-4037(after 5 p.m.) Asst.Obs.Dir.-J.Asztalos 547-

- NOVEMBER 1979 -

NOVEMBER PROGRAM-MEETING: Thick volumes of detailed information and stacks of startling photos have been studied meticulously, looking for that tiny bit of proof that life exists elsewhere than on earth. So far, nothing, although there are several possibilities here in the solar system where life could flourish.

The fact that the universe houses billions of suns with possible solar systems certainly implies that some forms of life should exist. Is it reasonable that only our earth, circling a dying sun, and supporting a life form capable of destroying itself and others should be the only, the final, source?

Search programs exist. Guest speaker Dr. John Bahng is involved in the Search for Extraterrestrial Intelligence (SETI) program and will tell us about it in his talk "The Search For Extraterrestrial Life." Dr. Bahng is a professor at Northwestern University and in addition to being involved in life search programs does work in observation astronomy in spectroscopy and photometry instrumentation.

Hear him Friday, Nov. 16, at 8 p.m. in room 133 of the UWM Physics Olsen Planetarium Bldg., corner of Kenwood and Cramer.

PLEASE NOTE: The December General Program-Meeting will take place Friday, Dec. 14. Normally, meetings are on the third Friday of each month.

MEMORIAL TO MARY BALL: Mrs. Mary E. Ball, a member of the Milwaukee Astronomical Society since 1937, passed away Oct. 18.

Mrs. Ball was quite active and generous during her many years in the Society. She served on the Board of Directors and recently was Society Historian. Her husband, the late Ray Ball was also quite active during the 36 years he served the MAS.

Music was Mary's chief interest. She was an accomplished pianist and organist, directed choir, taught music, and studied classical guitar. She was a member of the Guitar Society.

Her many interests included memberships in the Wisconsin Geological Society and the Astronomical League.

Mrs. Ball will be conspicuous by her absence.

PLAN NOW TO ATTEND The 12th Annual Dinner-Meeting! Mr. & Mrs. Virgil Tangney have completed the plans and will accept reservations. A convenient tear-off is on the last page of this newsletter.

Dinner will be served Fri., Jan. 18, 1980 at the Hoffman House, located in the Midway Motor Lodge at Highway 100, south of Blue Mound Rd. Park free in the ample lot.

Each dinner choice includes relish bowls, tossed salad with choice of dressing, baked potato, bread, ice cream, and beverage. Cocktails at 6 at the cash bar, dinner bell rings at 6:30 sharp, meeting at 8. No reservation or payment is required for attending only the meeting.

The main speaker? None other than Mr. Paul Joseph, the WTMJ Channel 4 weatherman! His presence in a room full of congenial people will guarantee a pleasant evening.

NEW MEMBERS: The Milwaukee Astronomical Society welcomes the following new members:

Howard Colbert, Brown Deer; Gene Kelber, Shorewood; James, Jeannette, Scott, Derrin, & Terry Krause, Brookfield; Orin & Allen Kurintun, Milwaukee; Richard & Eric Oehler, Wauwatosa; Bernard Olson (rejoined) Hartland; Robert & William Sharrock, Muskego; Peter Smitka, Shorewood; Richard Still, New Berlin,

GRAZING OCCULTATIONS: Grazes will occur Sunday, Nov. 25, 8:10 p.m.-call John Asztalos at 258-5626; Sunday, Dec. 9, 7 a.m.-call Raymond Zit at 342-4037.

Grazing occultations occur when the earth, moon, and a star are so aligned that when viewed through a telescope set up at a certain point of observation, the star appears to "graze" the edge of the dark part of the moon's disc. The star disappears and reappears as the moon's mountains and valleys pass by. Viewed from other points, the star may be completely occulted or not disappear at all.

Grazes are observed by stationing observers a tenth of a mile apart along a two mile long cable. The observer operates a push button at a breakout when the star "blinks" on or off. A recording machine at the center of the cable draws a graph and a composite of the graphs then shows the moon's geography at the contact area.

Grazes are observed to compare the moon's actual and calculated position. No better project could be recommended for introducing our newer members to practical astronomy.

STAFF MEETINGS are open to all members--those who recently joined the Society in particular. Here you may exchange ideas, learn observing techniques, ask questions.

The December through March meetings will be held on the first Wednesday at 7 p.m. at the home of Observatory Director Raymond Zit, 3844 W. Park Hill Av. in Milwaukee.

WANTED - A 6-or 8-inch mirror or reflecting telescope, reasonably priced. Please call Richard Mett at 354-5424.

METEOR SHOWERS

<u>SHOWER</u>		<u>MAXIMUM</u>	<u>PEAK RATE/HR</u>	<u>COMET SOURCE</u>
Taurid	Fri., Nov. 9		16	Enke
Leonid	Fri., Nov. 16		15	1866 I
Andromedid	Sun., Nov. 25-Tue., Nov. 27		10	Biela

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

26" (66 cm) TELESCOPE PROGRESS REPORT! As of Oct. 26, the Fund contains \$10,253.16. The New Berlin city hall has not yet approved the building permit.

THE BOARD OF DIRECTORS will meet Friday, Nov. 23, 7:30 p.m. at the home of Daniel and Joseph Fromm, 2511 E. Newton Av., Shorewood. Wives are welcome.

"NORTHERN LIGHTS," the North Central Region quarterly newsletter, will soon be printing its December issue. The subscription rate is \$1.50 per year. Order from Mr. J. H. Fox, 14601 55th St. S. Afton, Minn. 55001.

Each issue contains feature articles, predicts grazes, and tells what other North Central Region societies are doing. Short astronomical articles are welcome.

MEMBER'S NIGHT KEYHOLDERS

Nov. 10	D. Harris	964-1428	Dec. 1	P. Murn	464-1539
17	R. James	421-2162	8	J. Pfannerstill	258-3409
24	R. MacLaren	421-1916	15	F. Roldan	344-2354
			22	T. Renner	1-392-2799

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).

HAVE A PLEASANT, HAPPY THANKSGIVING!

- FULL COLD MOON - MON., DEC. 3 -

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

I (we) don't want to miss the Jan., 1980 Dinner-Meeting! Please make _____ dinner reservation(s) for (show amount of choices).

- _____ Swiss Steak @ \$8.90 each
 - _____ Broiled Icelandic Cod @ \$8.90 each
 - _____ Baked Stuffed Pork Chops (2) @ \$10.10 each
- Prices include 15% gratuity and extras listed in Dinner-Meeting notice.

Name _____

Address & Phone _____

Please send this form with your remittance to Mr. Virgil Tangney, 8034 W. Norwich Av., Milwaukee, Wis. 53220 (327-7976). Make checks payable to Virgil Tangney.

FINAL NOTICE: If you haven't paid your dues please remit at your convenience. Treas. James Toeller must know who is paid up so he can send the subscription list to Sky and Telescope. Please mark this tear-off and include it with your remittance made payable to Mr. James Toeller, 407 W. Mall Rd., Milw., Wis. 53217 (352-7144).

- _____ General Membership @ \$20.00
- _____ Family Membership @ \$20.00 plus \$1.00 for each additional family member.
- _____ Non-Resident @ \$15.00
- _____ Junior Member (under 16) @ \$12.50
- _____ Founder Member @ \$7.50
- _____ Donation to 26" (66 cm) Telescope Fund.

NAME _____

ADDRESS & PHONE _____

Thank you for supporting the Milwaukee Astronomical Society.