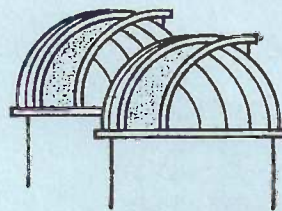


# DOUBLE DOME



Issued by the

## MILWAUKEE ASTRONOMICAL SOCIETY

Pres.-D.Harris 964-1428      V.P.& Prog.Chm.-F.Roldan 344-2354  
Sec.-Mrs.V.Tangney 327-7976      Treas.-J.Toeller 352-7144  
Obs.Dir.-Ray Zit 342-4037      Asst.Obs.Dir.-D.Harris 964-1428  
Long Range Planning Com.Chairman - H. Lindemann 871-5900

NOVEMBER - 1978

NOVEMBER PROGRAM-MEETING: This month's program will feature something different when Dr. Harvey Moseley of Yerkes delivers his talk, "Airborne Far Infrared Photometry."

Dr. Moseley will describe the Gerard P. Kuiper Airborne Observatory, NASA'S high-flying, highly modified Lockheed C-141 jet transport equipped with a 91-cm infrared telescope. He will describe in detail what its like; its equipment, how it's used, what is observed, and results. He will also describe how this instrument made one of the most astounding discoveries of the century! Can you guess what it is?

Find out at the November meeting. Guests are welcome.

WHEN and WHERE: Fri., Nov. 17, 8 p.m., UWM Engrg.  
Bldg., corner of Kenwood and Cramer, room 133.

IN MEMORIUM: Sister Mary Felice Vaudreuil, a long time member of the Milwaukee Astronomical Society, passed away Oct. 26 at the Notre Dame Health Care Center at Elm Grove.

Sister Mary was a former member of the mathematics dept. at Mount Mary College where she taught for 36 years.

Sister joined the MAS in 1940 and was quite active. She served on the Board of Directors, helped at Open House, and attended many meetings.

May she rest in peace.

NATURE'S MOST DRAMATIC SPECTACLE will occur Feb. 26, 1979 during a total eclipse of the sun, an event that will not occur again until 2017!

The moon will transit the sun and cast a shadow that will trace a path across the northwest U. S. and into south central Canada.

A two-day expedition to Winnepeg, Manitoba is being organized by the Naperville Astronomical Association. It's limited to 100 persons who will depart from O'Hare Field in Chicago. The flight fare is \$220.50 per person.

If interested, send your check, payable to the Bank of Naperville Travel Dept., to Mr. Dave Rivait, 714 S. Sleight St., Naperville, Ill. 60540 (312-355-3164).

Call Mrs. Virgil Tangney or your Double Dome Editor for more information.



ANNUAL DINNER-MEETING: Plans for the 11th Annual Dinner-Meeting are complete. Dinner will be served at the Boulevard Inn's Brittany Room Fri., Jan. 19, 1979. The Inn is located at Sherman and Lisbon and is surrounded by plenty of free parking.

Make reservations by filling out the tear-off on the last page of this newsletter. Dinners also include soup du jour, tossed green salad, baked potato, beverage, and scrumptious strawberry shortcake! Cocktails at 6 at the cash bar, dinner at 6:30 sharp. No charge for attending only the meeting starting at 8.

Dr. Greenler of UW-Milwaukee will be the main speaker. His talks are always entertaining and full of surprises.

THE BOARD WILL MEET after the general meeting.

DUES REMINDER: If you haven't remitted, do so now by sending your payment to Treas. James Toeller at 407 W. Mall Rd., Milwaukee, Wis. 53217 (352-7144).

The Double Dome doesn't like to publish warnings, but unpaid members will be dropped in December. Furthermore, Jim has to send the membership list to Sky & Telescope very soon for subscription renewals. Tardiness may mean missed issues.

Don't delay, remit today. Make your check payable to the Milwaukee Astronomical Society.

MAS memberships make fine Christmas and retirement gifts!

CANADIAN HANDBOOKS may be ordered from Treas. James Toeller. The price is \$3.50 per copy, paid in advance. Remit with your dues if you wish. Only those who order will receive one.

The pocket-sized book is full of astronomical data--timings, monthly highlights, charts, and tables. Beginners and advanced amateurs alike will find it useful.

MORE ABOUT YOUR MAS LIBRARY: Librarian Jim Greenwald (774-8205) has gone through the MAS library at the observatory and has found many old, outdated, non-astronomical books. They should be disposed of by selling or discarding.

Jim has marked them with a blue card and has placed them on three shelves. Interested members should:

- \* Examine them.
- \* Inform him which books they want.
- \* Decide which should be kept. Let him know.
- \* Leave books on shelves until Jim is informed.

A list of books will be available at the Nov. General-Meeting.

SLIDES AND PICTURES NEEDED: Vice President Frank Roldan is appealing again for pictures or 35mm slides of the observatory, celestial objects or anything else astronomical. A few have been sent, but lots more are needed for a Society publicity program planned for spring. Give film type, speed, exposure, and a brief resume of what your slides or pictures represent. They'll be returned, so mark them.

Call Frank at 344-2354, or bring them to the General-Program-Meeting.



LIGHT-POLLUTION: The Anti-Light Pollution Program has found a champion in Elizabeth Berry who has written a standard for vapor light shielding for the New Berlin area. Light shielding is not expensive and actually adds to the lamp's efficiency. This can be attested to by observing the shielded sodium lights east of the Milwaukee County Medical Center.

26" (66cm) PROGRESS REPORT: The fund has now swelled to \$7,462, up from \$6,560.44 in October! A permit to build should be available from New Berlin by spring.

If you've made a pledge or haven't made your contribution as yet, please remit now. The amount is important, but more important is to know what percent of the membership is giving.

Many thanks to Mr. Carl Newton of the S. W. Washington Astronomical Society, Centralia, Washington, for his generous contribution to the FUND.

Incidentally, contributions are not restricted to members only. We'll accept donations from anyone. Talk the MAS up to your friends. Explain what we're trying to do!

NEW MEMBERS who will be formally introduced at the next meeting are

PAUL FREDRICKSEN, Wauwatosa; DAVID KINZER, Brookfield.

"NORTHERN LIGHTS," The quarterly North Central Region Astronomical League Newsletter will be issued in December. Subscriptions are \$1.50 per year.

It contains many newsy astronomical articles. Yours are welcome. The deadline is Nov. 27.

Write J. H. Fox, 14601 55th St. S., Afton, Minn. 55001.

HELP! Co-Program Chairman Tom Renner wants your ideas for General Program-Meeting subjects. Call 1-392-2799, or talk to him at the meeting.

METEOR SHOWERS:

<u>SHOWER</u>	<u>MAXIMUM</u>	<u>PEAK RATE/HR</u>	<u>COMET SOURCE</u>
Taurid	Thu., Nov. 9	16	Halley
Leonid	Thu., Nov. 16	15	1866I
Andromedid	Sat.-Mon., Nov. 25-27	10	Biela

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

FOR SALE! University Optics 3.1" refractor with equatorial mount, 4 eyepieces, Barlow lens, 1 $\frac{1}{4}$ " eyepiece adapter. Only \$250! Please call Patrick Burns, 871-5907.

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

- o Staff Meeting Wed., Dec. 6 at the observatory, 7 p.m., weather permitting. The meetings are for everyone, especially new members of all ages. Call Ray Zit after 5 before stopping out.
- o Orion observers, pick up your Orion packets at the November meeting.



OBSERVATORY NOTES CONT'D.

- o The "B" scope is down for repaint. It will be back in service in 4 weeks.
- o Your Society has many programs; participants are needed.
- o Frank Roldan is at the Observatory on Thursday nights. Call 344-2354 first if you intend to stop out.
- o Member's night keyholders will be:
 

Nov. 11	F. Roldan	344-2354	Dec. 2	G. Samolyk	462-1340
	18 H. Kuehn	774-6256		9 T. Schmidtkunz	774-9590
	25 T. Renner	1-392-2799		16 V. Tangney	327-7976

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.

- FULL BEAVER MOON - TUE., NOV. 14 -

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

HAVE A HAPPY THANKSGIVING!

WANTED: Information on basic Astrophotography.  
WANTED: Experienced person to perform necessary maintenance on 12½" telescope. May involve adjustments, cleaning, repair of spectroscope, and other maintenance that has not been done for some time. Interested persons contact: Pat Slane, Wayland Academy, Beaver Dam, Wi. 53916, 414-885-3373 ext. 65 or 885-4357.

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I (we) do want to attend the Jan., 1979 Dinner-Meeting! Please make \_\_\_\_\_ complete dinner reservation(s) for (make amount of choices).

- \_\_\_\_\_ Whole Cornish Hen @ \$7.50 each
  - \_\_\_\_\_ Roast Sirloin @ \$7.50 each
  - \_\_\_\_\_ Broiled Whitefish @ \$8.20 each
  - \_\_\_\_\_ Stuffed Pork Chops @ \$7.90 each
- Prices include 15% gratuity.

Name \_\_\_\_\_

Address & Phone \_\_\_\_\_

Please send this form with your remittance made payable to Mr. Ray Zit, 3844 W. Park Hill Av., Milw., Wis. 53208 (342-4037).