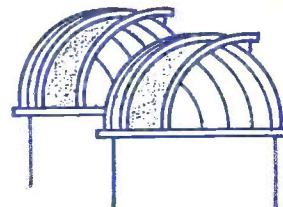


# DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

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Sec.-Mrs. V. Tangney 327-7976 Treas.-Mrs. W. Albrecht 464-5085  
Obs.Dir.-Ray Zit 342-4037 Asst.Obs.Dir.-D. Harris 964-1428  
Long Range Planning Com. Chairman - H. Lindemann 871-5900

SEPTEMBER - 1977

SEPTEMBER PROGRAM-MEETING: The first meeting of the MAS new year will highlight Dr. Snider, Professor at UWMilwaukee as he presents his slide-illustrated talk "COSMOLOGY-THE BIG BANG AND ALL THAT!"

How the universe originated and evolved, and what's in it and how it's put together is an age old enigma. Hoyle believed in the steady-state theory or a universe with no beginning or end, while Gamow believed in an expanding universe that started with a huge explosion or "big-bang." What do you believe?

This will be an interesting evening, so attend, bring a friend!

WHEN - - Friday, Sep. 16, 1977, 8 p.m.

WHERE - UWM Engrg. Bldg., Corner of Kenwood  
& Cramer, Room 135.

SKIP THIS ITEM if you've paid your dues! If you haven't, remit now since Sep. 1 started a new MAS year. Memberships for:

- . Individuals--\$20.
- . Families--\$20 plus \$1.00 for each additional member.
- . Non-Residents--\$15.
- . Members under 16 as of Sep. 1, 1977--\$12.50.
- . Founder Members--\$7.50.

Remit to Treas. Anne Albrecht, 5648 N. 34th St., Milw., Wis. 53209 (464-5085). Also include payment for your Canadian Handbook if you'd like one (see below).

Have you considered giving an MAS membership as a gift??

If you include something for the 26" Telescope, you can rest assured it will be added to the Fund. Thanks.

CANADIAN HANDBOOKS: Please order your fact-packed copy before the November 1, 1977 deadline. Remit \$2.50 for each copy to Treas. Anne Albrecht, 5648 N. 34 St., Milw., Wis. 53209 (464-5085). Only copies that are prepaid will be ordered.

The Canadian Handbook is published by the Royal Astronomical Society of Canada. The pocket-size book contains astronomical data, charts, programs, monthly phenomena, and so forth.

If you order, send your dues also and save postage! You may also order at the September and October meetings.

PLAUDITS! Thanks to donors and persons who worked at pricing and selling items at the MAS flea market held last June. Special thanks to those who spent two consecutive weekends working at the sale.

Many thanks to Carolynn Kliman for the delicious home-baked butter horns that soon disappeared!

SPECIAL BOARD MEMBER ELECTION: V. P. and Program Chairman Tom Renner will chair a nominating committee to elect one board member. The special election will take place during the October Program - Meeting.

Members may nominate candidates in writing or from the floor. The nominee must be willing to accept, and must give a short biography of him-or herself. Of course, members may volunteer.

Call Tom at 1-392-2799.

NEW MEMBERS: The Milwaukee Astronomical Society is pleased to introduce

MR. & MRS. JOHN DIMMICK, Milwaukee: General Astronomy.

JOHN FERGUSON, Milwaukee: Solar system, radio astronomy, galaxies, nebulae, space chemistry, photography.

MR. & MRS. DONALD GAZZANA, Saukville: General astronomy.

DAVID HOEWISCH, Milwaukee: General astronomy.

JOHN O'BRIEN, Milwaukee: Planets, galaxies, photography.

ARUN PARIKH, Milwaukee: Cosmology, general astronomy, promoting the cause of amateur astronomy.

BEVERLY REDMANN, Wauwatosa: General Astronomy, especially quasars and black holes.

MR. & MRS. HERBERT RENNER, Milwaukee: Mrs. Renner: Globular and open clusters, galaxies. Mr. Renner: Photography.

GOOD NEWS! Congratulations to MAS President Dwight Harris and Mrs. Harris who became the parents of a brand new baby boy July 29th. The Harrises also have a daughter.

"NORTHERN LIGHTS" MEMO: The "Northern Lights" is a 4-page, quarterly newsletter published by the 3M Club AS, and edited by James Fox. The newsy paper prints items of interest about astronomical societies in the North Central Region, which includes the MAS, and also contains interesting paper extracts and notes about past and future events. You'll get something out of each issue.

But Mr. Fox lays it on the line! He asks, "Should we continue?" Mr. Fox offered to head the newsletter six years ago, but subscriptions and editorial offerings have dropped to the point that prompts his question.

Why not subscribe \$1.50 for a year's subscription? Remit to J. H. Fox, 8301 Isle Av. S., Cottage Grove, Minn. 55016. You may contribute articles even if you're not a subscriber. A copy will be on display at the September Meeting.

CALENDAR:

- . Fri., Sep. 16 - GENERAL PROGRAM-MEETING. Members and guests welcome, 8 p.m., UWM Engrg. Bldg., Room 135.
- . Fri., Sep. 23 - BOARD OF DIRECTORS, 7:30 p.m., at the observatory.
- . Wed., Oct. 5 - STAFF, featuring prime focus photography. These meetings are open to ALL members, and are helpful to new and longtime members alike, particularly the youngsters. You can learn astronomy as well as how to operate observatory equipment.
- . RADIO ASTRONOMY meetings cancelled until further notice.

METEOR SHOWERS:

| <u>MAX. DATE</u> | <u>SHOWER</u> | <u>PEAK RATE/HR</u> | <u>SOURCE</u>          |
|------------------|---------------|---------------------|------------------------|
| Sun., Oct. 9     | Draconids     | 10                  | Comet Giacobini-Zinner |

Best viewing after midnight to daybreak.

WANT ADS:

FOR SALE: 4½" Tasco reflector telescope with clock drive, sturdy tripod, six eyepieces, slow motion on both axes. Asking \$110. Call Harvey Kuehn, 2920 N. 78 St., Milw. 774-6256.

FOR SALE: Target spotting telescope. SPI turret telescope with 60mm achromatic coated lens, 20X, 30X, 40X, 60X eyepieces in turret. Excellent, like new condition. \$165. Please call Patricia Windau, 3154 S. 124 St., West Allis. 543-2015.

OBSERVATORY NEWS: The following items were submitted by Observatory Director Ray Zit:

1) TELESCOPE TIME as of Aug. 5, 1977. Telescope time has been assigned until midnight on the following nights:

- Mon. - H. Kuehn 774-6256
- Tues. - E. Halbach 541-1181
- Wed. - W. Albrecht 464-5085     A. Penikis 354-9708
- Thu. - V. Tangney 327-7976
- Fri. - R. Zit 342-4037

Please call the observer and ask if he will be using the facilities on his night if you feel you need telescope time. If you have questions, call the Obs. Director at 342-4037.

2) GRAZE: Thursday Oct. 7, at 4:14 A.M. Mag. 8.3 Star, 15 miles south. Do you want to go on these late-early morning grazes? Call 342-4037. Diagrams or maps will no longer appear in the Double Dome. You will be notified by a notice in the Double Dome or a postcard.

3) A-SCOPE: Ready soon!

MEMBER'S NIGHT: Keyholders in charge are:

- |                               |                               |
|-------------------------------|-------------------------------|
| Sep. 10 - V. Tangney 327-7976 | Oct. 1 - W. Albrecht 464-5085 |
| 17 - R. Zit 342-4037          | 8 - H. Auchter 542-2158       |
| 24 - J. Asztalos 962-5696     | 15 - R. Berry 931-0590        |
|                               | 22 - W. Collins 255-4169      |

Contact James Toeller (352-7144) if you are going on vacation. Changes will be shown on a revised list posted at the observatory.

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 the duty night - cancel Sat. if necessary. Keyholders are 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 HARVEST MOON, TUE., SEP. 27 -

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