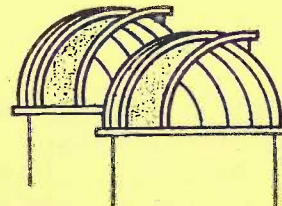


# DOUBLE DOME



Issued by the  
MILWAUKEE ASTRONOMICAL SOCIETY

- : MAY 1983 : -

MAY ELECTION MEETING: The May meeting will be in two parts. Some time will be taken up by an election of board members and officers, and some time will be given to Dr. Paul Rybski of University of Chicago's Yerkes Observatory. Dr. Rybski's talk is entitled "Charge Couple Devices - Their Uses in Contemporary Astronomy."

Four officers and four board members will be elected. Candidates may be incumbents, nominees, volunteers, or recommended members who have agreed to run.

Directors serve three-year terms with a two-term limit. Officers serve for one year with unlimited re-election.

Let's have a big turnout. Bring a friend and enjoy a good, informative speaker, and do your duty to the MAS by electing qualified people to help shape the future of the Society.

WHEN: Friday, May 20, 8 p.m.

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

OPEN HOUSES are scheduled for June 17, July 1, 15, 29, August 12, 26, and September 9, all Friday nights.

As in the past, each night will feature a different astronomical subject pertaining to the heavens. The June 17 talk will cover eclipses.

Since the New Berlin facilities will be open to the general public-- we can also expect the news media to be present--volunteers will be needed to assist the anticipated large crowds by operating 'scopes, guiding, minding the parking lots, or spelling other workers. Perhaps you'd like to give a talk apropos to the topic for that particular night.

Sign up at the May election meeting or call President Frank Roldan and tell him what you'd like to do. And you'll enjoy meeting our many guests.

IN MEMORIUM: Program Chairman Dan Koehler's father-in-law recently passed away.

The Milwaukee Astronomical Society offers sympathy and condolences to Mr. and Mrs. Koehler and to Mrs. Koehler's family.

LEONARD C. BRUNO of Menomonee Falls has been added to the MAS roster. He will be introduced at the May election meeting.

A RARE SIGHT! Asteroid Pallas will occult 4.8 magnitude 1 Vulpeculae Saturday night, May 28, at approximately 11:56 p.m. Constellation Vulpecula is located between Deneb in Cygnus and Altair in Aquila and will be in the southeast sky on that date.

Pallas is believed to have a satellite and the star is a spectroscopic binary, so this should be a good show.

See page 440 of your May, 1983 Sky and Telescope for all details.

26" TELESCOPE NEWS: Hip! Hip! Hurrah! All 175 pounds of the 26" primary mirror are here and awaiting installation! Gerry Samolyk showed a slide of it at the April meeting. Other slides showed the assembly of the polar axis.

Now we need people, particularly machinists, to work on the drive mechanism, and someone who can get some aluminum castings poured. Incidentally, thanks to Badger Foundry for some donated castings.

26" TELESCOPE MEETING: Observatory Director Gerry Samolyk will hold a meeting at his home at 411 N. 61st St. (258-5076), Sunday, May 22, at 2 p.m. Anyone working on the telescope, or would like to, or just wants to sit in should be there.

THE 37TH ANNUAL CONVENTION of the North Central Region of the Astronomical League (NCRAL), hosted by the Des Moines Astronomical Society, will take place May 13 and 14 at the Best Western Inn in Ankeny, Iowa, just off the I-35 exit about 4 miles north of I-80. Ankeny is about 4 miles north of Des Moines, and approximately 370 miles from Milwaukee.

Attendees will enjoy:

- o Paper sessions.
- o Observing through the 8" refractor at Drake University.
- o A Bar-B-Q dinner at Ashton-Wildwood Park followed by observing through 8", 12.5", and 16" reflectors.
- o Astrophoto, astroart, telescope and equipment fairs.
- o Three principal speakers.

For complete information and registration forms, write Jeffrey R. Lewis, 3407 SE 18th Court, Des Moines, Iowa 50320.

NORTHERN LIGHTS, the North Central Region Astronomical League quarterly newsletter, will again be published in June.

Besides reporting what's happening in other regional societies, the publication also prints unusual and interesting astronomical articles. Editor J. Fox welcomes items even if you are not a subscriber.

If you'd like to subscribe, send \$2.50 for an annual subscription of four editions.

Remit to Mr. James Fox, 14601 55th St. South, Afton, Minn. 55001.

FOR SALE: Cambron 800 mm f/8 telephoto lens. Fits any camera by means of an adapter ring available in any camera store. Priced at \$175.00. Please call Eric Wallner at 782-3935.

SUBSCRIPTIONS TO ASTRONOMY, the quality astronomical magazine published in Milwaukee and edited by MAS member Richard Berry, may be ordered from Treasurer Jim Toeller by calling 352-7144. The cost is \$12 per year or half the \$24 annual cost. Subscriptions received now will be pro-rated to the first of 1983.

HERE ARE MEMORY AIDS to recall that, in order outward from the planet, Jupiter's major satellites I, II, III, and IV are Io, Europa, Ganymede, and Callisto. Since the first letters do not form an intelligible acronym, Joe Kamichitis of the Lackawanna AS of Scranton, Pa. suggests the following mnemonics:

Increasing Energy Gets Costly.

In Effect, Greed Corrupts.

I Eat Graham Crackers.

(From the Lackawanna AS "Ecliptic").

CARL SAGAN'S "COSMOS", one of the most spectacular and thought-provoking series ever aired on television, can be seen again on WMVS/PBS Channel 10, Sundays at 8 p.m., with a repeat Thursdays at 10:30 p.m.

These interesting and fascinating programs are devoted to astronomy, space exploration, and general science.

AN AMATEUR ASTRONOMER'S WIFE, a poem by Mrs. Hedi E. Lattey. (From the Observer, newsletter of the Fox Valley Astronomical Society.)

I wake up with a start in the dead of the night,  
I know something is wrong, and I turn on the light,  
The place on the pillow beside me is bare,  
My husband is missing, he's gone. Who knows where?  
Perhaps he's recounting his variable stars,  
Or seeing invisible markings on Mars.  
Then the moon is high up, and the Earth's lights are dim,  
Is he perched upon Plato's precipitous rim?  
Oh, what is this thing that's come into our life?

There once was a time when my husband was mine,  
Now he's way out in space where the galaxies shine,  
And he spends all his time with his old telescope,  
While I lie here alone, and I shiver and mope.  
By dawn he'll be back; as he grabs a few winks.  
He'll be dreaming of Venus, and Lepus and Lynx.  
And when he's awakened by coffee's sharp smell,  
His eyelids will droop; he'll be grouchy as well.  
Oh, pity poor me, an astronomer's wife.

MEMBER'S NIGHT KEYHOLDERS:

May 7	L. Burazin	481-4852	June 4	C. Hesselstine	482-4515
14	R. Berry	442-4267	11	B. Ganiere	425-1384
21	W. Collins	255-4169	18	D. Harris	964-1428
28	G. Hall	786-8579			

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.

- ; FULL FLOWER MOON THURSDAY, MAY 26 : -

JUNE DOUBLE-DOME DEADLINE: Wednesday, June 8. Please notify the editor of items to be included in the June issue by this date.

DIRECTORY:

- President - Francisco Roldan - 344-2354
- Vice President - Eileen Korenic - 541-3999
- Program Chairman - Daniel Koehler - 544-1178
- MAS Secretary, 26" Telescope Chairman - William Tuerck - 782-2844
- Treasurer - James Toeller - 352-7144
- Observatory Director - Gerry Samolyk - 258-5626
- Asst. Obs. Director - John Asztalos - 258-5626
- Double-Dome Editor - LeRoy Simandl - 933-3052
- MAS Observatory - 18850 W. Observatory Rd., New Berlin - 542-9071

PLEASE SEE PAGE 4 for May to September 1983 events calendar.

CALENDAR OF EVENTS-MAY TO SEPTEMBER 1983

<u>MAY</u>	4	Wed.	Observatory Meeting- 7:30 p.m. at observatory.
	13-14	F-S.	37th Annual Convention of the North Central Region of the Astronomical League at Des Moines, Iowa.
	20	Fri.	Membership Meeting & Elections- 8:00 p.m. at UWM.
<u>JUN</u>	1	Wed.	Observatory Meeting- 7:30 p.m. at observatory.
	17	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: Eclipses.
	24	Fri.	Board Meeting- 7:30 p.m.
	26	Sun.	Annual Picnic- Bring your basket and join everyone for an old fashion picnic. 2 p.m. to ? at the observatory.
<u>JUL</u>	1	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: The Planets.
	6	Wed.	Observatory Meeting- 7:30 p.m. at observatory.
	15	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: The Moon.
	22	Fri.	Board Meeting- 7:30 p.m.
	26-30	T-S.	ALCON'83- National Convention of the Astronomical League at Jacksonville, Florida.
	29	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: Deep Sky Objects.
<u>AUG</u>	3	Wed.	Observatory Meeting- 7:30 p.m. at observatory.
	5- 7	F-S.	Annual Weekend Camping Trip to Kettle Moraine State Park, Greenbush Group Camping Area. Call John Asztalos, 258-5626, for details.
	12	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: Meteor Showers.
	19	Fri.	Board Meeting- 7:30 p.m.
	26	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: Deep Sky Objects
<u>SEP</u>	7	Wed.	Observatory Meeting- 7:30 p.m. at observatory.
	9	Fri.	Public Open House- 8:00 p.m. at observatory. Topic: General Astronomy.
	16	Fri.	Membership Meeting- 8:00 p.m. at UWM.
	23	Fri.	Board Meeting- 7:30 p.m.

For further information on activities, call any of the officers listed in the "Double Dome".



# Open House 1983

The Milwaukee Astronomical Society will hold "Public Open Houses" at its observatory, located at 18850 W. Observatory Road, New Berlin (SEE MAP ON BACK). A short talk will be given several times during each evening and everyone will be able to observe many celestial objects through our telescopes. "Open Houses" start at 8:00 p.m. on the following Friday evenings:

## June 17 Eclipses

Eclipses occur when a moon or planet crosses another's shadow. These events have always brought both wonder and fear to man. The upcoming partial lunar eclipse on Saturday, June 25th will be the topic for this evening.

## July 1 The Planets

The solar system is our astronomical neighborhood. Recently, some of the planets have been visited by unmanned spacecrafts. See pictures taken during these missions and observe some of the planets through our telescopes.

## July 15 The Moon

The Moon, at first quarter, will be the feature object for this evening. The formation of craters, mountains, and other features of our natural satellite will be explained.

## July 29 Deep Sky Objects

Many of the distant objects outside our solar system can only be seen through telescopes like the ones at our observatory. Join us in examining these wonders of the Universe. We will also study some of the constellations.

## August 12 Meteor Showers

As the Earth revolves around the Sun it comes across the remains of comets. Small pieces of rock, etc, enter our atmosphere and burn up, giving off light. This event is called a meteor shower. Come tonight and observe the Perseus meteor shower.

## August 26 Deep Sky Objects

Once again we will visit outer space through our many telescopes. Come and see galaxies, nebulas, star clusters, and all the many celestial objects that make up our Universe. Some of the constellations will be pointed out and explained.

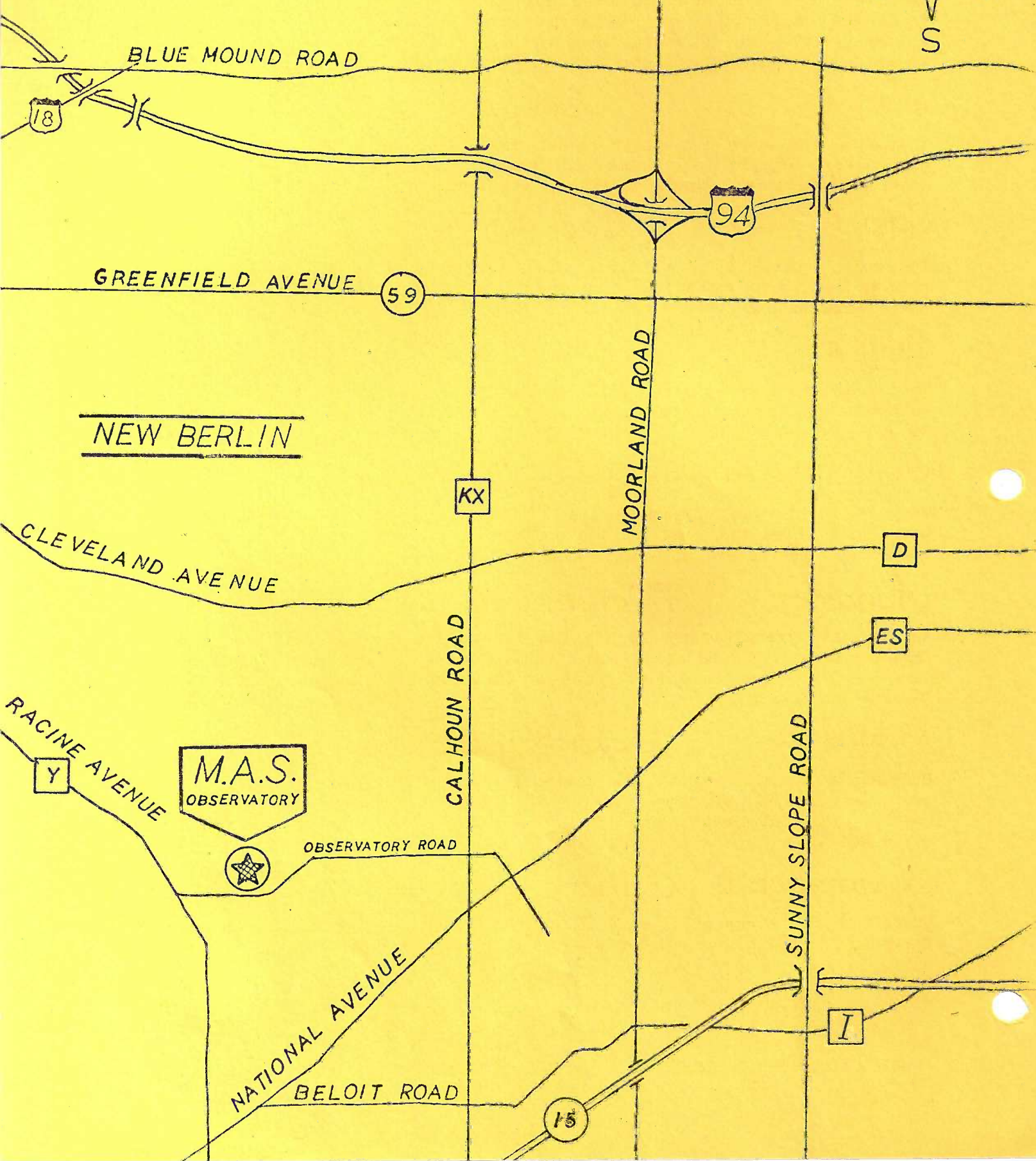
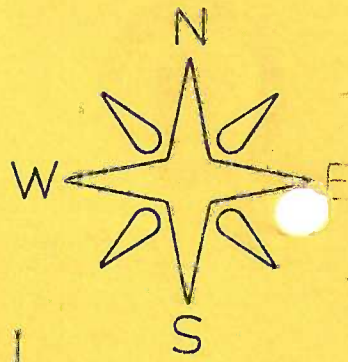
## September 9 General Astronomy

Where are we in our galaxy? Come visit us this evening and find out how the Earth is related to our solar system, our galaxy, and the rest of the Cosmos.

\$1.00 donations for parking will be greatly appreciated.

BRING A SWEATER OR JACKET.....THE MOSQUITOS BITE AND IT ALWAYS GETS COLD!!!

ONE INCH = .73 MILE



BLUE MOUND ROAD



GREENFIELD AVENUE (59)

NEW BERLIN

KX

MOORLAND ROAD

D

CLEVELAND AVENUE

ES



OBSERVATORY ROAD

CALHOUN ROAD

SUNNY SLOPE ROAD

Y

RACINE AVENUE

I

NATIONAL AVENUE

BELOIT ROAD

15