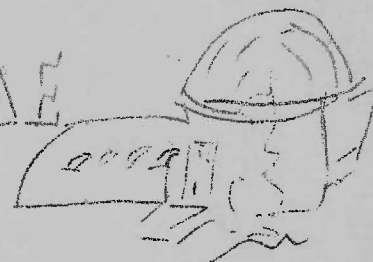


THE DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

Dinner meeting - Friday, January 20th, 1967

This notice is being mailed to you earlier than usual in order to allow you time to get in your reservation before Saturday, January 14th. The dinner reservation must be sent to Wm. Albrecht together with your check for \$4.05.

The place: Holiday Inn - 20th & Wisconsin Av. Consult the bulletin board in the lobby for the number of the room we will be using.

The dinner is at 6:30 P.M. Those who are not going to the dinner are most welcome to come to the meeting which follows at 8:00 P.M.

Our guest speaker will be Dr. Wm. Markowitz, former director of the U.S. Naval Observatory Time service, and now on the staff of the physics dept., Marquette University. He will talk on astronomical applications of time measurement.

* * * *

Once again - make out your reservation check to Wm. Albrecht 5648 N. 34 St. 53209, before Saturday, Jan. 14th. Your program chairman, Bob James, has arranged a very interesting evening for you. Be sure to come!

* * * *

Welcome to new members:

Harland G. Tompkins Shirley Perfetto Robert Malick

* * * *

Canadian Handbooks are still being held for: Boettcher, Dentinger, Glaser, David Olson, Pohl, Schaefer, Simons, and Wend (3). Unless they are picked up at the January meeting, or other arrangements made by then with the treasurer, they will be put on sale.

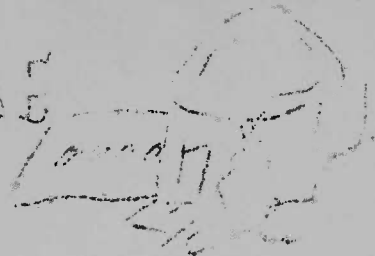
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If you have notes you wish to put in the Double Dome please call or write Mrs. Carolyn Kliman, 445-6765.

* * * *



THE DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

The February meeting comes on Friday the 17th, 1967, at 8:00 P.M.

Place: room 137 of the physics-engineering bldg., University of Wisconsin-Milwaukee, on the corner of N. Jramer and S. Kenwood Blvd.

You will note that the time is set for 8 o'clock so that those who wish to go in to the planetarium for the 7 o'clock show may do so.

Bob James has arranged to show the film "Apollo Lunar Mission Profile" from the NASA manned spacecraft center. The film relates the thrust needed to power man towards the moon; delineates three Apollo spacecraft modules in animation; explains lunar facilities; portrays animated profile of lunar mission, with preflight preparations, launch, earth-parking orbit, etc. 31 minutes long.

* * * *

Our January meeting was a very satisfactory one, thanks to Dr. Wm. Markowitz who gave us a very interesting talk on time.

* * * *

Welcome to new members:

Kim Russell Pemble, Mr. & Mrs. Martyn E. Frye, and Maret C., and Lawrence Mischo

* * * *

Ed Halbach sent out a notice for the next grazing occultations for Feb. 14th and March 15th. Call him if you want to go and did not receive a copy.

* * * *

Boys who have completed their H.S. junior year are eligible to apply for the summer science program at Thatcher School, Ojai, Calif. June 25-Aug. 6, 1967; a 6-week program in physical sciences and math, with emphasis on astronomy. Jonathan Harmon is an alumnus and enthusiastic about it. Call him if you are interested, or know of someone who might be. Applicants must register for the SAT exam by Feb. 18th. Jon's address: 2179 N. 64th St.

* * * *

Astronomical League convention - June 30, July 1-4, 1967, in Washington, D. C. Visits include Georgetown Observatory and the Goddard Space Flight Center.

* * * *

(If we possess a member with some artistic ability, please let him come forward with a well-executed design for the heading of this Double Dome. Your secretary's drawing hand grows feebler each month.)

The Double

Dome

Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

Regular Society Meeting:

Friday, March 17, 1967, at 8 P.M. in the Physics-Eng. Bldg.
UNM campus, N. Cramer and E. Kenwood Blvd.

* * *

Speaker:

Mr. Robert A. Thompson, new director for the proposed planetarium, has consented to appear and bring us up to date on the Wisconsin Regional Space Center.

* * *

Acknow- ledgements:

The plea for a new heading on this paper was answered by Mrs. Norman Duecker and Mr. Jos. Oberjet. The above sketch is from a design drawn by Mrs. Duecker. The Board of Directors has accepted Mr. Oberjet's sketch together with his offer to make a plate of it which can be used to impress future issues, thus eliminating handdrawing each month. Many thanks to both designers!

* * *

New Members:

Welcome to Howard E. Nelson and Stephen D. Wright

* * *

Gifts:

The Board of Directors has accepted a Vehrenberg Stern Atlas and 63 kodachrome films from Mr. Ronald Dentinger and has expressed their appreciation.

A member who wishes to remain anonymous has given \$500 to start off our fund drive for improving the parking facilities at our observatory.

Mr. Louis Quarles has sent a contribution which has been gratefully received.

Our thanks to these generous people!

* * *

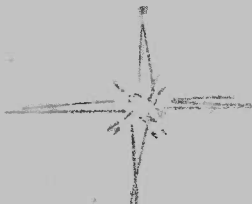
North Central Region:

This section of the Astronomical League will meet Saturday, May 6, 1967, at the Wisconsin Center of UW campus in Madison. The Madison Astronomical Society is host. Registration \$1. A visit to Pine Bluff Observatory is planned. More details on Friday.

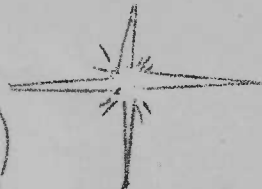
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Grazing Occultation Trip:

Mr. Halbach wishes to be advised of your intent to participate Expedition to SW Chicago, Wed. March 15, 8:40 P.M. New Observers with telescopes are welcome. Last minute weather GO OR CANCEL INFO call Mr. Klann (774-9188) before 4 P.M. and Mrs. Ramthun (543-6635) after that.



The Double



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

April meeting - on Friday the 21st at 8 P.M. 1967

Place: UWM physics-engineering bldg. room 137

Throughout the coming months most of us will feel the urge to be outdoors, and so we plan to have small groups gather at the observatory, probably on Friday and Saturday nights, to learn how to observe the skies by having a knowledgeable member guide the group in various studies such as learning to identify the constellations, some of the brighter stars, the planets, etc. One of the objects of this plan is to get more of our members to make use of our observatory. Mr. Halbach reports that the mirrors have been replaced and the instruments are ready to go.

We are fortunate in having one member who has done a great deal of observing, particularly the planet Jupiter, and he has agreed to be our speaker for this evening.

He is Philip Glaser. His talk: "Observing Programs for Amateur Astronomers".

If you are interested in participating in study groups, be sure to attend.

* * * * *

We welcome new members David Street, Wm. H. Richrath,
Susan Carol Solinwoda

* * * * *

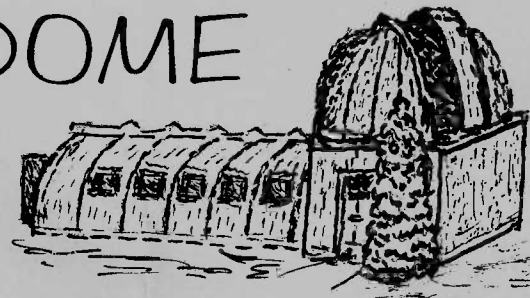
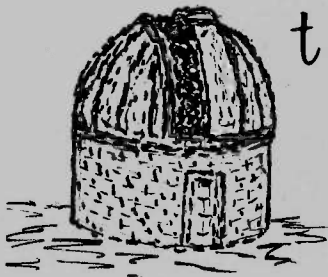
The nominating committee will report its slate of nominees for board directors. Elections are held in May. The new board then appoints its officers for the next year.

* * * * *

Reminder: The North Central Region of the Astronomical League Meets Saturday, May 6, 1967 at the Wisconsin Center of UW. Madison Astronomical Society is host.

* * * * *

the DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

Friday, May 19th, 1967, will be our last formal meeting until September, when we begin our '67-68 year. (In June we have a picnic at our observatory.)

Place: University of Wisconsin-Milwaukee physics-engineering bldg. room 137 at 8 P.M.

Speaker: Richard Wend, a long time member of this society, and now living in Chicago. He will talk about the effects of Orbiter and Surveyor on theories of the lunar surface.

* * *

At this May meeting the nominating committee, composed of Messrs. Klann, Schaefer, Yaeger, Collins, will present a slate of nominees for Board members. The terms of Messrs. Konig, Kliman, Zinn, Gillard, have expired. Mr. Zinn is eligible for another term; Mr. Gillard has declined renomination. The slate is composed of: Messrs. B. Collins, G. Highsmith, L. Simandl, V. Tangney, W. Zinn. Nominations may also be made from the floor. Only the votes of members in attendance at this meeting count.

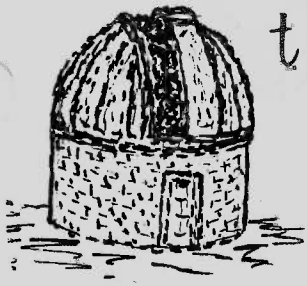
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OPEN HOUSE NIGHTS FOR VISITORS

The observatory will be open on the following dates: May 22, 29; June 5, 12; Aug. 7, 14, 21, 28; Sept. 4, 11, 18, 25.

Please make a special effort to be present at this May meeting and carry out your duties as members by voting and also by signing up as a staff member for at least one of the open house nights. Mr. Virgil Tangney will be in charge of this activity. Please cooperate with him. Mr. Lindemann will provide the newspapers with information on visitors nights.

* * *



the DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

On June 18th - Father's Day - we will enjoy our annual picnic at our observatory. This is a very informal affair; just visiting with one another until suppertime - tween 5 and 6 o'clock. Coffee and soda will be available. From 6 to 7:15 P.M. two films will be shown in the lecture room; "Mars and Beyond" (color film) and "The Story of Palomar". From 7:15 to 8 - a short meeting and from 8 on - observing the skies.

Herbert Cornell, one of our founder members, has given the secretary a considerable number of books on astronomy. These will be placed in the office of the observatory, and those who want to pick out titles they would like to own may make their selection and contribute the the society's treasury what they feel the book is worth.

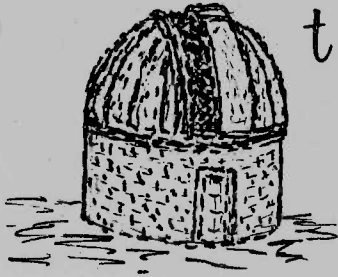
Informal meetings at the observatory will be held on the usual third Friday of the months of July and August, notices of which you will receive.

At the general May election the following members were elected to the board: Wm. Collins, V. Tangney, J. Uporsky, and W. Zinn.

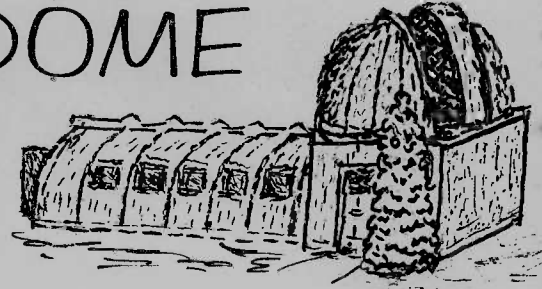
The new Board elected the following officers: President: Harvey Lindemann; Vice Pres. Wm. Collins; Secretary, Carolyn Kliman, Treasurer A. R. Ball.

The Board appointed Edw. Halbach for another 3-year term as observatory director.

New members accepted: Steven Reader and Timothy T. Stocks.



the DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

Our July and August meetings will be informal and will take place at our observatory. We hope all our members will participate in some open discussions of interest to us; will take some instruction in the use of the many instruments at the observatory; and also will want to take part in sky watching procedures. If you wish, bring a friend or two with you. If you need transportation call one of our members. Something can be arranged for you.

Date: Friday, July 21, 1967 at 8 P.M.
Place: MAS Observatory (in New Berlin) On Observatory Road. Reached by Highway 15 or Calhoun Rd. (KK)
It is about 7 miles west of West Allis; 5 miles southeast of Waukesha. Follow Observatory Road about two miles.

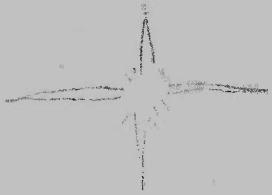
A meeting of BOARD MEMBERS will be called at 7 P.M. this same evening.

Open house nights at the observatory for visitors will be on Mondays during August and September. Mr. & Mrs. Tangney will be in charge. Call them (281-6533) if you can help on the reception staff.

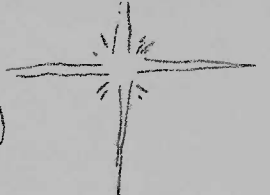
Welcome new members: Lawrence Lohmann, Rohn Webb, Gerald Jack Hoefs, Anthony E. Kalenic, Arthur A. Petri.

The July 9th grazing occultation expedition was cancelled. Grazes scheduled: Aug. 23 near Mauston; Sept. 23 near Danville, Ill., Sept. 25 near Kenosha; Sept. 28 around Tomah. If you want to go along on one of these trips call Ed. Halbach (541-1181).

For Sale: Tasco refractor with clock drive, pedestal base, asking price \$175. Alan Gemlo, 5237 N. Kent Av. 964-8549.



The Double



Dome

Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

August meeting - on Friday, August 18th, 1967

Place: Our own observatory

8 P.M.

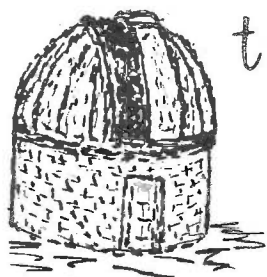
At our last informal meeting this season Mr. Collins will show us a set of kodachrome slides of celestial objects, and a set of slides on the moon. (These pictures were a gift to the society from Mr. Ronald Dentinger who also gave us the Vehrenberg Stern Atlas).

After the showing of these slides, we will then do some active observing (if the weather permits).

At 7 P.M. there will be a meeting of BOARD MEMBERS.

If anyone has back issues of Double Dome and newspaper clippings pertaining to the society, please donate them to Mr. Collins who is arranging to put them into some kind of scrapbook which will be usable at the observatory.

Allen Schmidt has a 8" telescope which he wants to sell. Call 541-2117.



the DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

Monthly Meeting: Friday, Sept. 15, 1967
Time: 8 P.M.
Place: University of Wisconsin-Milwaukee
Physics-Eng.bldg.
Corner of N. Cramer & E. Kenwood
Room 137

We will begin the season of formal meetings with a panel discussion on a definition of life in the universe, featuring members of JOMAS, a section within this society, made up of several younger members who carry on their own work programs at our observatory. One of the young men will show movies he made of the moon.

Members of JOMAS who will lead the discussion are:

Dave Olson, moderator	
Bob Stencel	Tom Schwartz
Tim O'Dell	Don Griffiths

They ask that members present at this meeting participate by giving their views on this subject.

* * *

Board Members: Please gather at 7 P.M. for a short meeting.

The 1968 planetary phenomena pamphlet which Herbert Cornell compiles each year will be ready to print soon.

* * *

Monday open-house nights in September: Call Mr. Tangney 281-6533 if you can assist for one or more evenings.

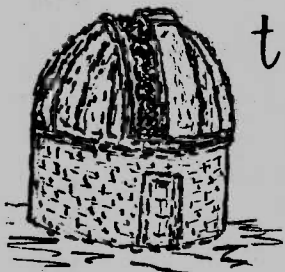
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Treasurer A. R. Ball will be on hand to accept your dues which are payable on September 1st of the year.

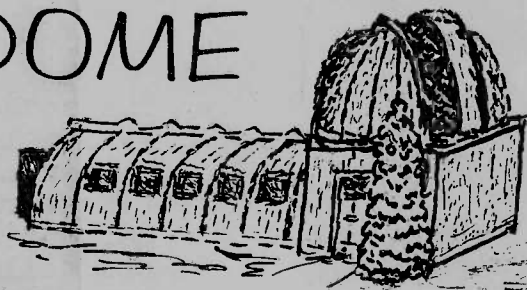
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Mr. Wm. G. Laub, Box 8, Northfield, Ill. 60093, is interested in telescopic equipment that members might have for sale.

* * *



the DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

HOAX -- HALLUCINATION -- OR HARDWARE ? ?

Dr. Allen P. Utke, professor of chemistry at Wisconsin State University, and senior advisor to the Aerial Phenomena Research Organization, will speak on the baffling phenomena of unidentified flying objects, at our Friday meeting October 20th, 1967, at 8 P.M.

Place: University of Wisconsin-Milwaukee, physics-engineering bldg., corner of N. Cramer and E. Kenwood blvd. room 137. In his presentation, Dr. Utke will show photographs and a short film of an UFO and will explain why he feels them to be genuine.

* * *

LUNAR ECLIPSE of Oct. 18th

This event will be of considerable interest and observers may want to use the equipment at our observatory. Observatory director, E. Halbach, is calling a meeting of interested members for Sunday, October 15, at 2 P.M. at the observatory to discuss plans and assign facilities. Mr. Halbach wishes to use one of the 12" reflectors and a smaller scope to time a large number of occultations during the eclipse.

Welcome to new members: Terrence M. Klesber, Kenneth and Victor Kosut, Jean Patrice Klann, Glen Charles Prasser, Allen W. Schmidt, Timothy D. Shore, M. Margaret Tangney

* * *

The Astronomical League Book Service (Mrs. J.C.Cain, chm. Rte 3 Box 34, Geneva, N.Y. 14456) reports that A Guide to the Messier Objects by E.A.Holyoke is available for members working for Messier Club Certificates. copies \$1 pp or 75¢ ea.pp in lots of 10 or more.

* * *

Job Offers: The school board is looking for daytime lecturers at its two high school planetaria. A modest knowledge of astronomy is all that is required. Familiarity with the machines and speaking techniques are not essential as all applicants will be thoroughly trained by experienced school board personnel.

(Turn to other side)

The school board's recreation division is looking for someone to conduct evening playground programs with its 15-ft. traveling planetarium called STAR WAGON. Interested persons should be familiar with the major constellations; should provide their own transportation; and should know how to care for and maintain telescopes.

* * *

Persons interested in the two positions with the Milwaukee School Board are asked to phone Bill Collins (442-0466) or see him at the October 20th meeting.

* * *

For Sale: 2.4 equatorial refractor, 2 eyepc. Barlow, Tim. Shore, 311 E. Euclid Av. 744-3394.

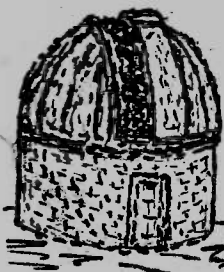
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Grazing Occultation: Oct. 12/13. If you would like to join this group and haven't received a card notice, call Al Klann, 774-9188.

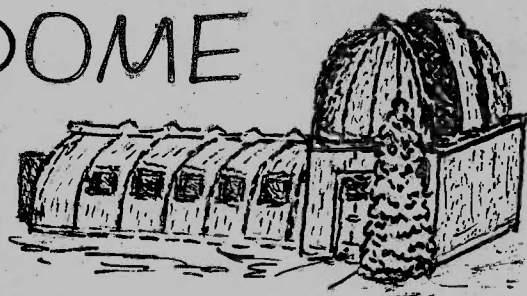
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Board of Directors meeting: Friday, Oct. 27, 7:30 P.M. at the Kliman home.

* * *



the DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

NOVEMBER 1967

Have you been out to the Observatory lately, looked westward, and wondered about the new construction? If you haven't been to the Observatory lately, have you been wondering what's going on out there? If you have a yes answer to either of these questions plan to attend your society's next meeting Friday evening, November 17, 1967 at 7:45 P.M. when Mr. Tom Thurner will present "The Story of the 20.0 Inch Reflector." The place is Room 137 in the University of Wisconsin - Milwaukee Physics and Eng. Building at the Corner of E. Kenwood Blvd. and N. Cramer Ave.

Don Ramthun is looking for volunteer observers to assist him in visual aurora observations. Please see him after the meeting or phone him at 543-6635. This effort is in connection with increasing sunspot activity.

The next Board Meeting will be Nov. 24 at 7:30 P.M. at the home of Mr. & Mrs. Wm. Albrecht. Wives are invited.

A big welcome to new members Charles G. Leonard, Kevin Begley, Christopher Malinger, and Gregory Latsch.

Our Treasurer Mr. Ray Ball has acquired a copy of the Rand-McNally World Atlas by opening a new savings account for the M.A.S.. It is Ray's wish that the book be auctioned and the proceeds deposited in the new account. Remember - keep the M.A.S. green - bring money.

For Sale: 2.4 Inch Scope Refractor with equatorial mount, setting circles, cable controls, 3 eyepieces, Barlow lens, more. Very good condition.

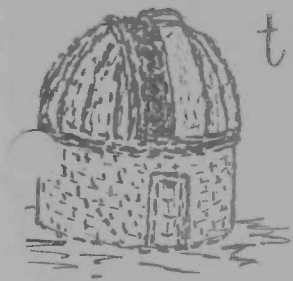
4 $\frac{1}{2}$ Inch Tasco Reflector with equatorial mount, cable controls, 3 eyepieces, Barlow lens, setting circles, more--excellent condition.

Camera adapter made by Scope. Fits almost any camera--good condition.

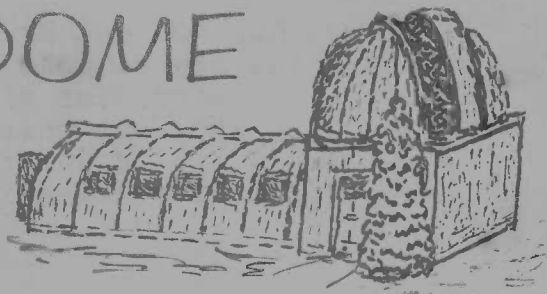
Please call Tim Shore, 311 E. Euclid Ave. 744-3394.

I am LeRoy Simandl and I will be your new Editor of the Double Dome. If you have any general messages, announcements, want ads, etc. that may be of general interest to our other members, I will be glad to print them if space permits. My address is 4201 W. Highland Blvd. 53208 and my Phone No. 933-3052.

LeRoy Simandl



the DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

DECEMBER -1967

What was the Star of Bethlehem? Was it a comet, a nova, a meteorite, an unusual grouping of planets--or a supernatural sign heralding the Birth of Christ? The Milwaukee Astronomical Society will present TWO complete, unusual programs Friday, December 15 in the University Planetarium so that ALL of its members and guests may, with the assistance of a fine recording by Lecturer Hubert J. Bernhard of the Morrison Planetarium, explore the mystery of this event that was a prelude to the beautiful Christmas Story. Since the Planetarium capacity is 75 people, one group will view the Christmas Star program while the other will view a delightful color film titled "Universe". Seating arrangements will be made after a short business meeting starting at 8:00 P.M. in Room 137 in the Physics and Eng. Bldg. located at the corner of Kenwood Blvd. and Cramer Ave. on the UW-M Campus.

A warm welcome to new members Terry Bialzynski, Dan Falkowski, John Friedrich, Margaret Glaser, Peter E. Jensen, Eugene Szaj, Gary Weidenmayer.

The next Board Meeting will be Dec. 22 at 7:30 P.M. at the home of Mr. & Mrs. Ray Ball. Wives are invited.

The World Atlas was auctioned for \$6.50 to Michael Cain.

Thanks to Mr. Herbert Cornell, his most welcome work "Astronomical Guide for 1968" is available free to members of the MAS. Copies are available to the general public for 50¢ at the Milwaukee Public Museum.

Treasurer Ray Ball has a number of membership cards that should be picked up. He also has a supply of Canadian Handbooks available at \$1.00 each. If you have reserved a copy, now is the time to get it.

For sale: 8" 1/20 wave reflector with German Fork type mount, 3 oculars, Goodwin Barlow, clock drive, 2 diagonals, 55 MM elbow finder. Price-\$150.00. Please call Robert Glasgow 453-7293.

(OVER)

Mr. Ed. Halbach and Mr. John Uporsky spent about $2\frac{1}{2}$ days installing new windows in the Observatory quonset hut. It is hoped this sacrifice of their precious time will inspire others to stop out there and lend a pair of hands and a little time and a little sweat to maintain one of the greatest amateur observatories in the country.

Mr. Dunham of Yale University acknowledged and thanked us for the report of the Sept. 26, 1967 Racine County grazing occultation. This work is important and appreciated. Join us on the next one!

The Officers and Directors of the Milwaukee Astronomical Society wish everyone a very pleasant Christmas and a great New Year.

LeRoy R. Simondt

Double Dome Editor