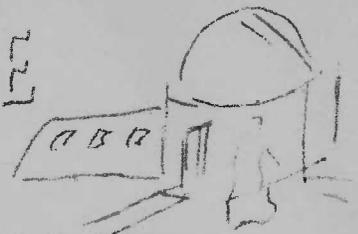


Jan. 17, 1966.



THE DOUBLE DOME



Issued by the
THE MILWAUKEE ASTRONOMICAL SOCIETY

Regular meeting on Friday, January 21, 1966, at 7:45 P.M. in room 52, Belton Hall, University of Wisconsin-Milwaukee.

The program will be a discussion about knowledge -- a word we use without being curious as to its real meaning. The speaker will raise questions about its nature, and consider some distinctions in types of knowledge, and why it is that we regard science as we do today. This talk should clarify this for us and perhaps generate a lively discussion on it.

Speaker: Dr. Paul M. Byrne, assec. professor of history at Marquette University.

* * * *

Announcement

"Naked Eye Astronomy for Beginners" -- that's the name we are giving to a study group which will meet at our observatory at 7:30 P.M. on the fourth Friday of each month. Experienced members of the society will conduct the meetings. No telescopes will be needed because the stars we study can all be seen with the naked eye. The monthly article in Sky & Telescope entitled "Rambling Through the Skies" will be used, as well as some of the information in the 1966 Astronomical Guide prepared by Herbert J. Cornell, one of our founder members. Read page 64 in the January issue of S & T and pages 7 and 8 of the Guide in preparation for our first session. Further details will be given at our regular meeting of the 21st.

* * * *

We welcome a new board member, Alvin Gillard, 1550 W. Mineral St. He will replace Richard Fink who recently resigned from the board.

* * * *

Mr. Ball asks that the Canadian handbooks be picked up at our meeting. There will be eleven copies available on a first-come+ first-served basis.

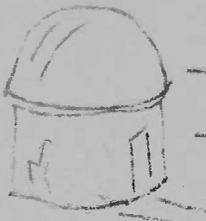
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Otto Gottschling is interested in buying a used telescope; his phone - 372-4367.

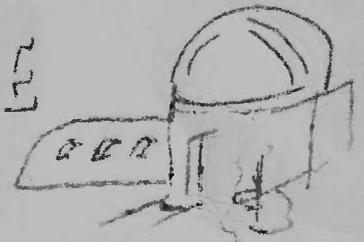
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Please note your own address on the envelop in which Double Dome is enclosed; if your zip code number is NOT on it, please get it to John Uporsky, 8351 W. Chestnut St. or call him at GR6-4367.

* * * *



THE DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

February 1966

The February 18th meeting will be held at the UWM campus but this time in a different building -- the new physics building on the corner of Cramer and Kenwood Blvd. (Cramer is one block east of Oakland Av.), in room 137. It contains a new Spitz planetarium.

The program will begin at 7:45 P.M., presented by our junior section and conducted by Dave Olson who will give a progress report on JOMAS (Junior Observers of MAS). Greg Vitercik will have a progress report on lunar photography and Craig Bobb on photographs made of Venus and Mars at our observatory. Two movies on the moon will be shown.

* * *

The Pan American College, Edinburg, Texas, offers a program in Astro-Science leading to a B.S. degree. Its leaflet says: "we stress the double major concept in astro-science and math or physics. . . students permitted to study courses in astronomy and astronautics. . . normally never offered at undergraduate level. . . work with a research photoelectric photometer that the usual undergraduate never sees." This will be posted on our observatory bulletin board.

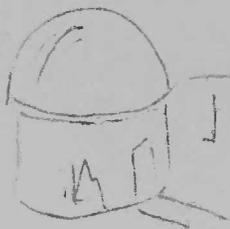
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The Southern Cross Observatory has sent out a first notice on the 20th national convention of the Astronomical League to be held in Miami July 4-5, 1966. Dr. Fred Singer of the School of Environmental & Planetary Sciences of University of Miami is the major speaker. One part of the program lists a tour of Cape Kennedy space center. This will also be tacked on our bulletin board.

* * *

The series on astronomy for beginners which has been going on TV channel 12 Hi-neighbor show Fridays at 7:15 A.M. will continue beyond the March 11th ending. Harvey Lindemann will be looking for more members to participate in this. Let him know if you want to participate.

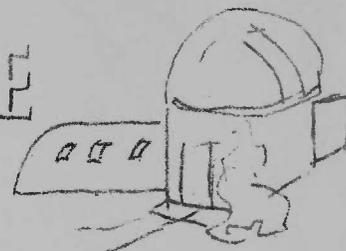
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THE DOUBLE DOME

Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY



The program which was to have been given at our cancelled February meeting is slated for our March 18, 1966 meeting. It will begin at 7:45 P.M. Our junior section will present progress reports - the first on JOMAS (Junior Observers of MAS) by Dave Olson; a report on lunar photography by Greg Vitercik; photographs made of Venus and Mars by Craig Bobb; and also two movies on the moon.

The March meeting (and subsequent meetings) will be held on the UWM campus in the new physics building on the corner of Cramer and Kenwood Blvd. (Cramer is one block east of Oakland Av.), in room 137. It contains a newly installed Spitz planetarium. Use the Cramer Street entrance.

Mr. Ball is holding the 1966 Canadian handbooks for the following: Boeck, Boettcher, Brichta, Davis, Dettman, Gensch, Green, Lutz, McLaughlin, B. Olson, Pohl, Al Schmidt (2), Richard Schmidt, Simono, Yaeger, Zanow. These copies not called for by the end of the next meeting will be placed on general sale.

We are looking forward to clearer weather so that we may have our star parties on the Friday following our regular meeting night.

* * *

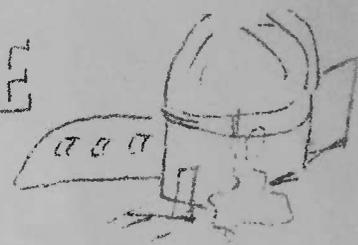
This may be rushing things a bit, but we would like to suggest that as spring cleanup and planting begins, we would be happy to receive any clumps of perennials or shrubs which you might be thinning out in your yard. Our observatory is in need of more landscaping.

* * *



THE DOUBLE DOME

Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY



Special Meeting

Friday - April 1, 1966

MAS members will be given a demonstration of the new UWM planetarium in the physics bldg. - Cramer & Kenwood. One showing is at 7:00 P.M. presented by Prof. Manfred Olson and the second at 8:00 P.M. by Jim Botic, an MAS member and student at UWM. The hall holds about 80 persons, so we will have to limit this to members and their families. The lectures will be informal, and a question-answer period will be included.

* * * * *

WORK DAY AT THE OBSERVATORY

Saturday - March 26, 1966

From noon - until the job is finished - our members will have to label, package, and send out the printed proceedings of the Astronomical League convention. Tables will be set up for an assembly-line operation. Mrs. K. will serve refreshments; Mr. Konig will be on hand with soda. There will be plenty of work for everyone. If you want a ride - call:

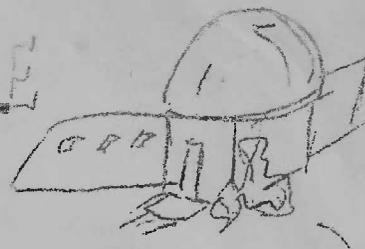
- S. Kliman, 2809 N. Grant Blvd. 445-6765
- R. Brichta, 4728 N. 108 St. 463-9262
- J. Uporsky, 8351 W. Chestnut 476-1467
- H. Lindemann, 4254 N. 42 St. 871-5900
- E. Halbach, 2971 S. 52 St. 541-1181
- M. Albrecht, 5648 N. 34 St. 464-5085
- A. Gillard, 1550 W. Mineral St., 384-2509

or get someone to drop you off at the observatory and hitch a ride back with someone when ready to leave. If you are willing to pick someone up in your car, please call the secretary about that, too.

* * * * *



THE DOUBLE DOUSE



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

There will be a regular meeting of this society on Friday, April 15, 1966, at 7:45 P.M. in room 137 of the U.M. physics bldg., Cramer St. and Kenwood Blvd.

One of our most active members, Harvey Lindemann, will give a talk on the minor planets (asteroids). Mr. Lindemann has spent much time researching this interesting subject.

* * * *

The MAS committee responsible for printing the proceedings of the National Convention of the Astronomical League and the Association of Lunar and Planetary Observers which was held here July 2-5, 1965, is happy to report the job done. Those MAS members who reserved copies can either pick them up at the April meeting or call John Uporsky, 476-1467, and ask him to mail them. Mrs. June Pease did an excellent job of organizing and typing it. We are indebted to Mr. Kroboth of the Journal Company for designing and producing the cover. The society also thanks the committee members: Ralph Brichta, chairman, Jm. B. Albrecht, Registration and Reservations, Walter J. Zinn, Banquets, John Uporsky, Exhibits, Leonard H. Schaefer, Transportation, Phil R. Glaser, Richard Wend, Harry Pease, Papers and Programs, Jm. Konig, Printing, Edw. Halbach, Observatory visits, H. J. Lindemann, Publicity, Mrs. C. Kilian, secretary, A. R. Ball, treasurer, and all others who helped on this project.

* * * *

There is a need for additional observers with telescopes to take part in another grazing occultation near Green Bay - Saturday, April 23, 1966, at 9:15 P.M. Call Ed. Halbach if you want to join the group.

* * * *

The next Hi-neighbor program on April 22nd, 7:15 A.M. TV channel 12 will feature Jm. Albrecht on meteors, meteorites and tektites and on May 6th Mrs. Tangney on women's interest in astronomy.

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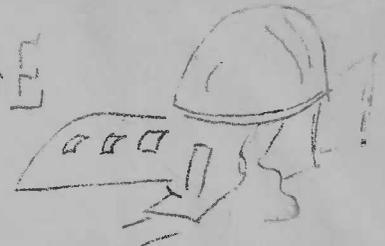
The Miami Valley Astronomical Society will be host for the 1966 Great Lakes Regional convention to be held in Greenville, Ohio July 22-24 - a combined convention and instrument and telescope fair. The invitation was extended by the Greenville Chamber of Commerce, and competitive prizes are offered for home made or home assembled instruments entered in the competition.

* * * *



THE DOUBLE DOME

Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY



The last meeting to be held at UWM until September will be on Friday, May 20, 1966, at 7:45 P.M.

Location: new physics bldg. on UWM Campus
Cramer and Kenwood Blvd.

NOTE

[Our annual June picnic is scheduled for Sunday, June 19th] at the observatory.

Speaker: Richard E. Wend, MAS member of long standing, and a former MAS president. (He has to commute from Chicago to attend meetings.)

Subject: The Evolution of the Universe.

In discussing his subject with the program chairman, he pointed out that the structure of our universe is now a frequent topic in newspaper and magazine stories. There is an awareness of space science and what it may portend. Quasars introduce a new key to understanding the origin of the universe.

A short business meeting will call for the election of board members. Slate of nominees offered: Messrs. Albrecht, Gillard, James, Klann, Ramthum. After the program is over, there will be a special board meeting.

* * *

Open house nights at the observatory begin July 11th and continue through each Monday clear night until the end of September.

Welcome to new members:
Alfred Rehorst
John M. Asztalas

Len Schaefer reports that the new membership directory will be distributed at the May meeting.

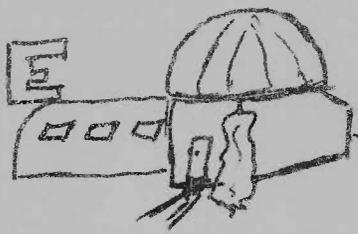
Work party at the observatory Saturday, May 21. Can you spare a few hours to go out there and help with some of the tasks to be done?

A riding type lawn mower has been purchased by Mr. Zinn, with the financial help of the following members: Messrs. Duecker, Highsmith, Klann, Raml, Schaefer, Uporsky, Zanow, and Mr. Zinn who took on the lien's share of this project.

* * *



THE DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

Your society's annual picnic will be held on Sunday, June 19, 1966, at the observatory premises. It will be an afternoon and evening affair with cold soft drinks and hot coffee provided by the Society. Bring your own food and eating tools. Arrangements will be in charge of Don and Carol Ramthun, who can be reached at phone 543-6635 to answer any questions you may have in this regard.

- Summer Calendar -

Regular Meetings at the Observatory: June - none
July - Friday the 15th
August - Friday the 19th
September - Friday the 16th

Annual Picnic - Sunday, June 19th.

Hazed Eye Astronomy - Fridays: June 24, July 22, August 26, September 23.

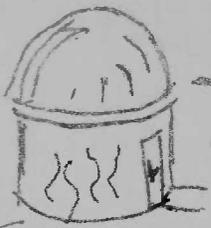
Open House - (open to members and the public) - Every Monday evening starting July 11th through September 26, 1966, unless cloudiness and/or rain obscure viewing. Virgil and Mary Ann Tangney will be in charge and can be reached by phoning 281-6533.

At the Annual Membership Meeting on May 20, 1966 in the UWM Physics Building, the following members were elected to the Board of Directors for the 1966-69 term: Bob James, Don Ramthun, Bill Albrecht, and Al Klamm. Al Gillard was elected for the 1966-67 year to fill the vacancy created by the resignation of Richard Fink, who found this move necessary because of the pressure of other work.

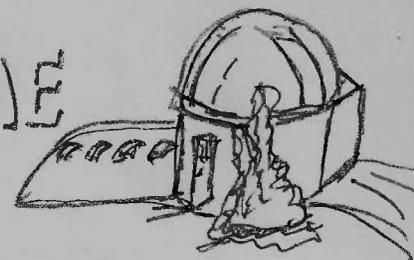
Following the membership meeting, the Board of Directors re-elected all of the officers for another year. They are, Ralph Brichta, President; Dr. Stephen Kliman, Vice President; Mrs. Carolyn Kliman, Secretary; and A. R. Ball, Treasurer. Subsequently, President Brichta appointed Bob James as Program Chairman; Mr. & Mrs. Virgil Tangney as co-chairmen for the summer Open House nights; and Harvey Landemann as Chairman of Publicity. Craig Cobb, President of JOMAS, will attend the Board meetings in behalf of this group.

Dick Wend has informed us from Chicago that the Regional Convention and banquet for the Astronomical League will be held on July 16th at St. Procopius College in Lisle, Illinois, just a short distance south from the Highway 53 exit of the E-W Tollway. Open House and observing Friday night July 15th; also St. Procopius College Astronomy Club meeting. Formal announcement and registration forms will be available at the end of June through Carolyn Kliman, phone 445-6765.

On the evening of May 31st, a group of volunteer members met near Chilton, Wis. to observe the grazing occultation of a 2.9 magnitude star by the nearly full moon. The addition of a number of people from Chicago, Joliet (Ill.), Green Bay and Appleton enabled us to man 13 telescope-equipped observing stations along a north-south road. The grazing occultation was predicted for about 1:53 AM. Our success was moderate, despite the full moon, but emphasized the point that we reconsider the equipment being used - and particularly with the rigidity of the telescopes and their mountings. We hope to hear more about this later.



THE DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

First meeting of the new season: Friday, September 16, 1966 at 7:30 P.M.
Room 137 physics-engineering bldg. of the University of
Wisconsin-Milwaukee, North Cramer St. & E. Kenwood Blvd.

Speaker: Robert James.
His Talk: Observational Astronomy for the City Dweller

* * * * *

Plan to reserve the third Friday of each month for your MAS meeting.
Exception: The January 1967 meeting which will be on the fourth Friday.
We would like to thank the UWM for providing us with facilities for
these meetings and wish to thank Dr. Michael Shurman for arranging this.

* * * * *

It is our good fortune that even though Herbert Cornell now lives in
Philadelphia, he still finds the time and energy to prepare the material
for the annual astronomical guide which is so popular with everyone.
He lines up in chronological order the best the sky has to offer to
observers. He has completed the 1967 guide which is now at the public
museum to be printed. It is sold at the sales counter there along with
star maps.

* * * * *

We all hope for a successful grazing occultation trip on the 9th-10th.
Ed. Halbach will head an expedition of 36 people to a location about
15 miles north of Appleton to record the graze of star ZC-1089. Mr.
David Dunham of Yale Univ. will join this group as will others from
Chicago, Oshkosh, Green Bay, etc. If skies are clear, this is a fine
chance to get an unprecedented amount of wanted data.

* * * * *

The day after our meeting - Saturday the 17th - is LABOR DAY at the
observatory. Len Schaefer needs help in putting an overhead door on
the workshed. Other jobs waiting for someone, too - Refreshments served
about noon. This is a busy month for everyone but try - really try -
to spare a few hours, please!

Can someone make or get two sturdy coat racks on casters for use in
the lecture room? We are also on the trail of a 16 mm sound projector
at a price we can afford.

* * * * *

Dues are payable as of Sept. 1st. Treasurer Ball will be on hand to
accept them at the Sept. 16th meeting.

* * * * *

THE DOUBLE DOME

Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

The second monthly meeting for this 1966-7 season:
Friday, October 21, 1966 at 7:45 P.M.
Room 137 physics-engineering bldg. of the
University of Wisconsin-Milwaukee
North Cramer & E. Kenwood Blvd.

Speakers: Donald L. Grieb, architect for Milwaukee's civic center and proposed planetarium. Mr. Grieb will talk about the plans for the planetarium which is to be part of the new museum bldg.

* * *

Ralph Brichta, John Dahlberg, and Harvey Lindemann take this opportunity to thank:

Bill Albrecht	Mike Harper	Tom Schmidtkunz
John Asztalos	Paul Moertl	Virgil Tangney
Craig Bobb	Tim Odell	John Upersky
Shirley Brichta	Don Ramthun	Clarence Weiss
Jerry Elger	Tom Schwartz	

all of whom, through their help, contributed greatly to the success of the Wisconsin Electric Power Co. employees star party at our observatory on Sept. 23rd. Approximately 125 persons were present on this clear and moonlit night, and from the expressions of appreciation, it was apparent that they thoroughly enjoyed the opportunity. Eleven telescopes were in operation. Mr. Dahlberg presented his usual interesting and entertaining "talk", and Mr. Brichta led groups in visual observation of constellations.

* * *

On Sept. 29th Mr. Schaefer saw to the completion of the concrete floor in the work shed, new back steps for the quonset, and a platform in front of the Buckstaff dome bldg. A yard lamp was placed at the northwest corner of the quonset by the Electric Company. It was wired by our staff members and will henceforth illuminate the property at night whenever the main breaker is OFF at the power panel.

THERE WILL BE A LAST WORK PARTY FOR THIS YEAR ON OCTOBER 22!
Will all of our members please try to come out to the observatory and spend at least a few hours accomplishing the work that must be done there. Members should feel obligated to help here and not leave all of it to just a few people.

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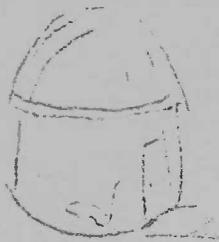
The following have been accepted as members by our Bd. of Directors:

Carl Scheid	Genevieve B. Latus	James Waite
Arnold Nelson	Frank Poling	Geo. A. Goetz
Mary J. Lyons	Judson Poling	

* * *

Mr. Halbach has announced Dec. 4-5 for the next grazing occultation trip - general vicinity of Peoria, Ill.

* * *



THE DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

* * * *

Monthly Meeting: Friday, November 18, 1966 at 7:45 P.M.
Place: room 137 - physics-eng. bldg. University of Wisconsin-Milwaukee
corner of N. Cramer & Kenwood Blvd.

Program chairman, Robert James, plans to show us a movie called "Spirit of 7 - 6" -- a film about the rendezvous between Gemini 6 and 7, from the McDonnell Aircraft Corp.

* * * *

Available at this meeting will be copies of the 1967 Astronomical Guide which is compiled each year by Herbert W. Cornell, whose efforts are much appreciated by all of us. Thanks to the following people who helped run it off and assemble it:

Mr. & Mrs. Al. Klann, Mr. & Mrs. Jm. Albrecht,
Mr. & Mrs. Stephen Kliman

Copies of this guide are on sale at the new museum within an envelop containing a set of star maps, - 25¢ each.

* * * *

Mr. Halbach has mailed out details about the Dec. 4th grazing occultation expedition to an area near Peoria, Illinois - to those who have participated in this program in the past. He needs about twenty observers. Let him know if you want to go.

From the Peoria Astronomical Society "Star Lite": "Observers participating in the grazing occultation program headed by David Dunham of Yale University observatory has grown by leaps and bounds. What was virtually a national effort a year ago is now an international program, with observers in 25 countries and six continents.... The Milwaukee Astronomical Society and the U.S. Naval Observatory have built equipment connecting stations by cable so that all timings can be recorded at a central station. The Milwaukee cable is two miles long with a plurality of stations."

* * * *

Messrs. Brouillette, Uporsky, Klann, Halbach, and Albrecht carried out their meteorite search with borrowed mine detectors, but found nothing.

Tom Thurner poured the plaster for his refractor out at the observatory.

Jm. Albrecht has made arrangements for a dinner meeting on Jan. 20th, 1967 at the Holiday Inn, 20th and Wisconsin Av. Please make your reservations as soon as possible.

BOARD OF DIRECTORS MEETING

Friday, December 2, 1966 at 8:00 P.M. at the home of Stephen Kliman, 2809 N. Grant Blvd.



THE DOUBLE DOME



Issued by the
MILWAUKEE ASTRONOMICAL SOCIETY

Friday, December 16, 1966 is the date of our December meeting
at 7:45 P.M.
in room 137 of the physics-engineering bldg. of the University
of Wisconsin-Milwaukee, corner of North Cramer and E. Kenwood Bd.

Speaker: Harvey Lindemann, one of our active members who does
a good deal of work in the society.
He will discuss "Spin-Off"- a term used to describe
benefits from the space program.
He will point out the benefits we are already enjoying,
and give specific instances of what benefits have
recently accrued and what we might expect in the
future.

* * * *

Yerkes Observatory is looking for a young observer who can work
on a parallax program with the 40" refractor; this will encompass
direct photography, developing the plates, keeping the records,
and some photoelectric work. If interested in the job, call
Mr. Halbach, 541-1181.

* * * *

We welcome the following new members into our society:
The Dassow family Karl Jensen
Robt. A. Dorn Arthur Wm. Harburg
Michael & Erica Fowler Stephen S. McClure
Jack Gross James Skonieczny

* * * *

Reminder: Our January 20th meeting will be at the Holiday Inn.
If you wish to attend the dinner, please reserve with
Bill Albrecht, 464-5085

* * * *

The foundation and the slab around the pier has been completed
for the 20-inch telescope which Tom Thurner is constructing.
He has also fabricated the major parts for the tube and mounting,
with the help of JOIAS members Craig Bobb, Jim O'Dell, Don
Griffiths, and Tom Schwartz.

* * * *