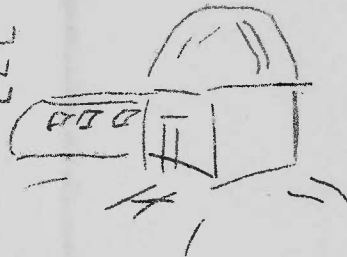


# THE DOUBLE DOME



Issued by the  
MILWAUKEE ASTRONOMICAL SOCIETY

This month's meeting will be held on

Friday, January 22, 1965

in room 52 (downstairs) of Bolton Hall, University of Wisconsin campus. Refer to the map you received in December to help you locate it. Free parking space is available on UWM parking lots.

Speaker for this evening:

Mr. Gale Highsmith, one of our members; he plans to talk about calculating satellite orbits.

Your Board of Directors hopes that by returning to a Friday meeting date, more of you will be able to attend. In the future, all of our meetings will be held on the third Friday of the month. You may be pleased to know, too, that because of the improved facilities (which were made possible by your contributions to the building fund), we can now plan to hold some of our meetings at our observatory where use of the instruments there may be made part of our regularly scheduled activities.

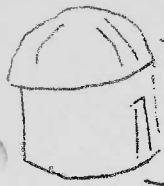
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The Canadian Handbooks will be available at this meeting for those who ordered them, as will the 1965 Planetary Phenomena bulletin.

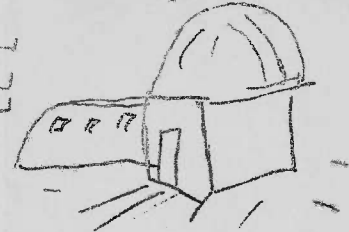
For Sale: 4½" reflector, equat. mount; 3 eyepieces;  
Peter Henschel, 12336 N. Ripley Av., Wau-  
watosa. Call 771-4838 after 5 PM.

\* \* \*

Feb. 1965.



# THE DOUBLE DOME



Issued by the

MILWAUKEE ASTRONOMICAL SOCIETY

Our February meeting falls on Friday, the 19th. We will again use room 52 (downstairs) of Bolton Hall on the University of Wisconsin-Milwaukee campus.

Subject to be discussed: QUASI-STELLAR RADIO SOURCES  
AND INTERLOPERS - a new kind  
of stellar object?

Harry Pease attended an all-day seminar for science writers, put on by the American Physical Society in New York City about three weeks ago. He will pass along the information supplied by four professional astronomers.

\* \* \*

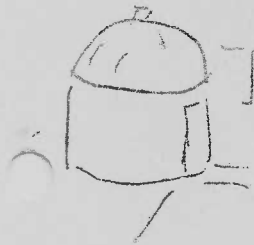
Canadian Handbooks are being held for: Messrs. Boettcher, Dettman, Griffiths, McLaughlin, Olson, Pohl, Schmidt, Simono. Please arrange to pick them up at the February meeting or they will be placed on the "open market", says Mr. Ball.

\* \* \*

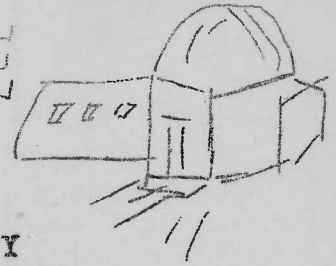
Convention notes: The Fourth of July Astronomical League meeting is in the planning stage: Messrs. Fink, Halbach, and Glaser will review the papers to be presented. Headquarters will be at the Schroeder Hotel. Bus trips are planned to both Racine and Lake Geneva. We will go to Yerkes July 3rd and will stay there for a barbeque as well. Len Schaefer is in charge of transportation. John Uporsky will handle the arranging of exhibits. H.J. Lindemann is taking care of publicity. We plan to keep our observatory open from the 2nd to the 5th of July, and will have to ask some of our members to volunteer a turn or two at being there to receive visitors. Ralph Brichta, convention chairman, asks that more of you call him and say you will assist in some of these jobs. We really do not have a sufficient number of members on a lot of the many tasks involved in running a large convention like this. Please offer some help, will you?

\* \* \*

March 1965



# THE DOUBLE BONE



Issued by

THE MILWAUKEE ASTRONOMICAL SOCIETY

The regular monthly meeting of this society will be held Friday, March 19th, 1965, at 7:45 P.M. on the campus of the University of Wisconsin, in Bolton Hall (downstairs room 52). Those who have a special interest in variable star observing will have an opportunity to hear more about this subject by listening to what Mr. Roger Kolman has to tell. He is an active member of AAVSO and has done much work in this field.

\* \* \* \*

One of our members who is particularly interested in helping young people, Mr. Al Gillard, wishes to announce that there will be a meeting for the "Young Peoples Group" (regardless of weather) on the last Saturday of this month, March 27 at 7:30 P.M. at our observatory.

If you already are a member, or are interested in taking part in the work of this group on Saturday nights under Mr. Gillard's supervision, please come. Mr. Gillard's phone is 384-2509.

Parents of these young people are also invited. Membership offer closes on the 27th.

\* \* \* \*

WORK PARTY. Next Saturday, March 20th, starting early in the morning, the lecture hall must be painted. Bring your own paint sroller. There are a few other jobs waiting to be done also. Please try to show up for at least part of the day.

\* \* \* \*

# THE DOUBLE DOVE

Organized by  
THE MILWAUKEE ASTRONOMICAL SOCIETY



We start our summer season with a meeting in our own observatory  
for a change:

FRIDAY, APRIL 15, 1905 at 7:45 P.M.

We will have a varied program which includes a new film which was given to the society by Mr. Glasser; then some business and, after some refreshments which some of the women of our society will bring, we will have a kind of star party. Mr. Halbach has asked some of the older members to demonstrate the use of the various instruments we have for the benefit of our newer members. In order to do this we will suspend regular observatory activities for that particular evening.

The observatory is about 7 miles west of West Allis and about five miles southeast of Waukesha. Drive out Hy 15 (National Av.). New Berlin is 3 miles beyond the Milwaukee-Waukesha county line (four miles beyond Hy 100 and 45). Half a mile further is Observatory Road which leads off to the right. Follow it about 2 miles; make a slight S-turn, ascent a hill; you will see the observatory on your right. You might have to park on the road if we have a large turnout. The Calhoun Road (KK) is also a handy route to use; it crosses Observatory Rd.

There is no bus service in that area, so everyone must arrange his own transportation. If you want a ride with some one, consult your membership directory for someone living in your neighborhood and call him; otherwise call the secretary, Mrs. Carolyn Kliman (HI5-5765), or call Ed Halbach (LII-1181); Wm. Albrecht (JD2-5258) A. R. Ball (DI4-0645); Len Schaefer (SU6-8773)

We wish for good weather and a good turnout!

TV Channel 10 lists: Stellar World. Movement of stars and sun.  
Dr. Parker, Asst. Prof. of Astronomy Univ. Wis.  
April 29th 6:00 P.M. and April 30th 7:30 P.M.

At the meeting you can look at a new booklet from Edmund Scientific Co. "Homebuilt Telescopes" (75¢). It takes the beginner step-by-step through the exciting process of making a reflector telescope with surface accuracy to a millionth of an inch. There is also "How to Use your Telescope" (60¢) "Time in Astronomy" (60¢) "Telescopes You can Build" (75¢).

\* \* \*

May 1965

# THE DOUBLE DOG

Issued By

THE MILWAUKEE ASTRONOMICAL SOCIETY

On Friday, May 21, 1965, we will meet at the AC Spark Plug Div.-General Motors Corp., Oak Creek Plant on 7929 South Howell Av. To get there, continue along the west side of the airport, south, until the plant is in view; parking lot in front, north of the building (near the observatory dome).

Note change of time: 7:00 P.M. sharp.

It will be necessary to begin earlier than usual in order to have a short business meeting at which we elect new board members.

Mr. Bernard L. Burkhalter, section head of the standards engineering department, will give a talk and also lead a tour of their observatory and precision measurement laboratories. Our meeting will be in the executive conference room.

Badges are required for persons entering this plant; the secretary will therefore send in a list of members who normally attend meetings so that the badges are ready on that night.

New members: Randall Meier, Thomas L. Pahl, Timothy O'Dell, Mark Sindelar, Glenn M. Trischan

At a recent board meeting, founder membership was conferred on Edw. Halbach, our observatory director.

A work party will get on with the work at our observatory on Saturday, May 22nd. Please try to get there for a few hours if it is at all possible for you to do so.

A reminder - Mr. Ball, our treasurer will accept dues in advance, normally payable Sept. 1st.

Astronomical League and A.L.P.O. annual convention July 2, 3, 4, and 5th. Bus trip to Racine observatory on July 2nd; to Yerkes on July 3rd, with cookout at Williams College Camp at 6:30 P.M.



# Milwaukee Astronomical Society



1965 CONVENTION HOSTS TO THE  
**ASTRONOMICAL LEAGUE**  
ASS'N. OF LUNAR & PLANETARY OBSERVERS  
HOTEL SCHROEDER, JULY 2-5, 1965

**General Chairman**

RALPH BRICHTA  
4728 North 108th Street  
Milwaukee, Wisconsin 53225  
463-9262

**Registration and Reservations**

WILLIAM B. ALBRECHT  
220 West Hampton Avenue  
Milwaukee, Wisconsin 53217  
332-5258

**Banquets**

WALTER G. ZINN  
5475 North Hopkins Street  
Milwaukee, Wisconsin 53209  
461-2234

**Exhibits**

JOHN UPORSKY  
8351 West Chestnut Street  
Wauwatosa, Wisconsin 53213  
476-1467

**Transportation**

LEONARD H. SCHAEFER  
15200 West North Avenue  
Brookfield, Wisconsin  
786-8220

**Papers and Programs**

PHIL R. GLASER  
RICHARD WEND  
HARRY PEASE  
200 Albert Street  
Waukesha, Wisconsin

**Printing**

BILL KONIG  
12526 NW Shoreland Parkway  
Mequon, Wisconsin  
Bus.: So 2-7000 Ext. 2370—2369  
Home: 1- Ch 2-2369 after 8:00 p.m.

**Observatory**

ED. HALBACH  
2971 South 52nd Street  
Milwaukee, Wisconsin 53215  
Home: 541-1181  
Bus.: 762-7000 Ext. 2458—2459

**Publicity**

H. J. LINDEMANN  
4254 North 42nd Street  
Milwaukee, Wisconsin 53216  
871-5900  
Bus.: Phone 273-1234 Ext. 2223

**Secretary**

MRS. C. KLIMAN  
2809 North Grant Boulevard  
Milwaukee, Wisconsin 53210  
445-6765

**Treasurer**

A. R. BALL  
3749 W. Sarnow Pl.  
Milwaukee, Wisconsin 53208  
344-0645

On Sunday, June 20, we will meet at our observatory. Come early in the afternoon and bring a lunch. This is an important meeting because proposed By-Law changes will be discussed and voted upon. This is not a work party.

The speaker will be Mel Kischner of the Milwaukee Journal. He will instruct on sketching what you see through the telescope.

Please note the attached program of the coming Convention! We members of the Milwaukee and Racine Societies are not only expected to attend but also to help in various tasks required to make our many guests welcome. You will find that in the performance of these tasks, you will be meeting a most interesting and stimulating group who share your interest in astronomy.

We are expecting 150 to 200 people from other societies, so with your attendance and help we should have a most successful and rewarding convention.

Please register no later than June 20, 1965 so that most tickets and cards can be prepared in advance of the July 2 date.

The Societies new officers are:

Ralph Brichta	President
Dr. Stephen Kliman	Vice-President
A. R. Ball	Treasurer
Carolyn Kliman	Secretary

Please contact Ralph Brichta to volunteer for an opportunity to help on the convention work.

We will need help in the following categories:

- Registration
- Typing
- Information
- A guide on each bus
- A recording secretary

# THE DOUBLE DOME

Issued by  
THE MILWAUKEE ASTRONOMICAL SOCIETY

## Notice of Meetings

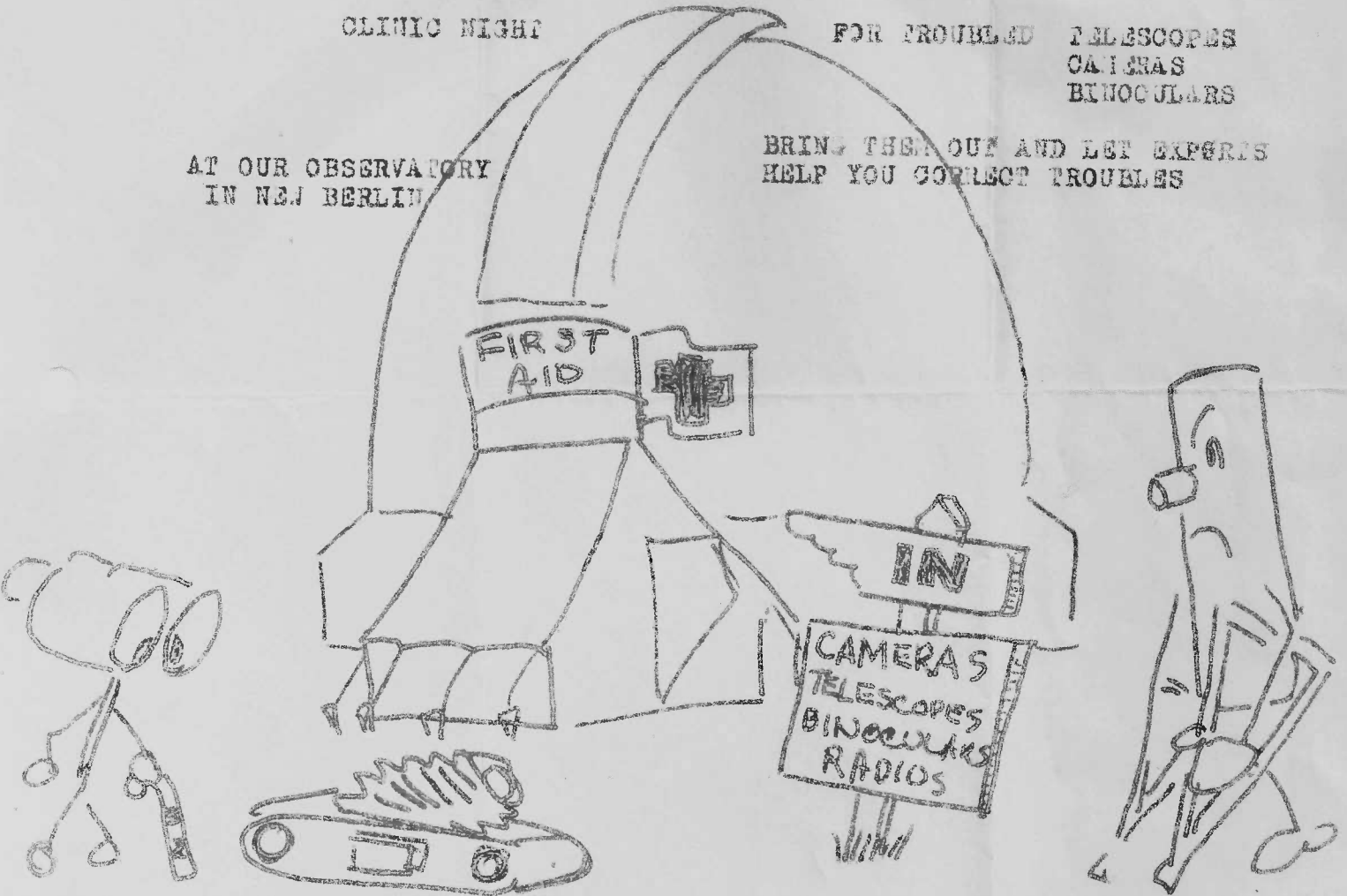
Regular Meeting: Friday, August 20, 1965. 7:30 P.M.  
Board of Directors will meet just prior to this for a short  
business meeting.

CLINIC NIGHT

FOR TROUBLED TELESCOPES  
CAMERAS  
BINOCULARS

AT OUR OBSERVATORY  
IN NEW BERLIN

BRING THEM OUT AND LET EXPERTS  
HELP YOU CORRECT TROUBLES



Bring a guest if you wish.

# THE DOUBLE DOG

Issued by  
THE MILWAUKEE ASTRONOMICAL SOCIETY

To all members:

A STAR PARTY  
Friday, September 17, 1965 - 7:30 P.M.  
At the Observatory

All members and their guests are invited. This will be the only regular meeting of our society to be held in the observatory this coming season. Subsequent gatherings will be in Bolton Hall on the UWM campus, through the kindness of Dr. M. Shurman.

We will show some films you might like to see and then use some of the instruments we have. Those wishing to bring their own telescopes should do so.

Volunteers are needed to take an active part as guides and lecturers at our observatory on visitors' nights. You can learn what you need to know about these activities next Friday.

Mr. Ball will be there to accept dues for the coming year, which for us begins on Sept. 1st.

We'll have some refreshments, too. Perhaps some of you might be willing to donate a few cookies or something. If so, will you let the secretary know.



Oct 12, 1965.

# THE DOUBLE DOOR

Issued by  
THE MILWAUKEE ASTRONOMICAL SOCIETY

Members of this organization will meet on Friday, October 15th, 1965, at 7:45 P.M. in Bolton Hall, room 52, on the campus of the University of Wisconsin-Milwaukee, a map of which is enclosed.

The speaker will be our program chairman for this year, Dr. Stephen Kliman, research chemist for Harnischfeger weld rod division at 210 W. Capitol Dr. He is going to discuss Galileo as a physicist.

Mr. Herbert W. Cornell, a founder member of this society, has again produced his astronomical guide. The 1966 edition will be available at Friday's meeting for our members. Others who wish a copy can get it at the new museum (including maps) for 25¢, 800 W. Wells St. Out of town members please write to the secretary, Mrs. Kliman at 2809 N. Grant Blvd. (10). Technical questions on the guide, or comments, may be addressed to the author at 5939 Drexel Road, Philadelphia 31. This compilation is really a monumental piece of work requiring several months to accomplish and is very special for its mathematical calculation and research some features of which cannot be found elsewhere. For example, Mr. Cornell has figured the times when various planets get up to, or down to, 20° altitude which is needed for good observation. Rising and setting times are all right for sun and moon, but planets cannot be observed when they are close to the horizon. Judging by the demand for this guide, it must be very useful to a great many people, and we are all very grateful to Mr. Cornell for his work.

The following members were accepted as members at the last board of directors meeting: Glen Alan Boettcher, Mark Krause, Michael Kwiatkowski, and William, Peggie, Brian, James and Gerard Buck.

### Reminder

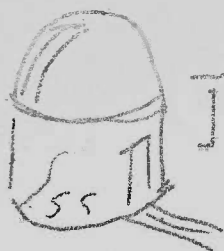
Treasurer Ball will accept dues which are payable as of Sept. First.

### Work Party

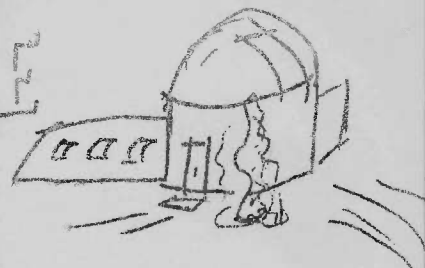
Saturday, Oct. 16th. The observatory must be readied for the winter. Try, all of you, to give a few hours of your time out there on the hill. Refreshments for the hard workers. For the benefit of new members, the observatory is in New Berlin. Drive out Hy 15 to Observatory Road or use the Calhoun Rd. (KX) south to Observatory Rd.

Asst. Director Len Schaefer says he hopes some of the members will donate something toward a new lawn mower. Our old one will not do the job any more. A good one costs \$550. One of our very generous members has dropped \$100 into this fund already, but even a dollar would be of help. Mr. Ball is custodian of this fund, too.

About 65 attended our September meeting at the observatory and all had an interesting evening. We would like to thank donors Kindner, Tangney, Ball, Uporsky, Kliman, Zinn, and Gillard for the refreshments handed around after the meeting.



# THE DOUBLE DOME



Issued by  
THE MILWAUKEE ASTRONOMICAL SOCIETY

On Friday, November 19, 1965, at 7:45 P.M., the members of this society will have a good opportunity to discover what our junior section has been doing. This group was started just a year ago this month, and the young people in it, supervised by Mr. Alvin Gillard, have been working at our observatory. From this group should come, we hope, some of the future officers who will serve in this organization.

To reach our meeting place - the University of Wisconsin-Milwaukee - Bolton Hall, room 52 - Drive north on Maryland Av to Hartford, turn right and proceed to entrances to the park lots. Bolton is easily identified by the two tall smokestacks next to it. You could also park on Farwell near Kenwood Blvd. and walk over to Bolton hall which is north and east of the Union Bldg.

## Program

Tim O'Dell, V.P. of JOMAS, will preside. Movies on the solar system and the milky way galaxy will be shown. Dave Olson, Pres. of JOMAS, will discuss "What is JOMAS". Don Griffith will talk about "A Year of Saturday Nights at the Observatory"

These boys have devoted a considerable amount of time and energy to arranging this program, and the officers of this society would like to see a good turnout of all our members, their friends and families, for this particular evening.  
Let's have a good attendance!

\* \* \* \*

Grazing Occultation Group: Mr. Halbach needs more participants in it. They expect to go to the Fond du Lac-Oshkosh area on Tuesday, Nov. 30th at 10:20 P.M. Call 541-1181 (Halbach phone) if you want to go along.

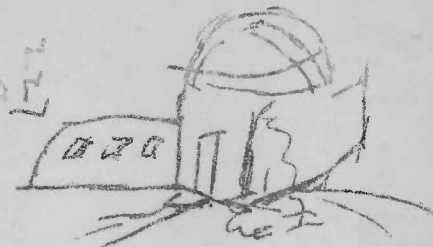
Name Tags: Mrs. Ball has made them up for us again, in order to identify members to one another. Please pick up your tag at the door and remember to return it to its box as you leave.

Mr. Gus Christie is custodian of some copies of the 1966 Astronomical Guide prepared each year for amateurs by Mr. Herbert Cornell. See Mr. Christie if you do not already have a copy. The Star and Constellation Study prepared by Mr. Cornell is available at the sales counter in the new museum on 7th & Wells.

\* \* \* \*



# THE DOUBLE DOME



Issued by the  
THE MILWAUKEE ASTRONOMICAL SOCIETY

Regular meeting on Friday, December 17, 1965 at 7:45 P.M. in Room 52, Bolton Hall, U.M.

It has been a long time since the membership has had a discussion on the kind and the scope of activities which this society wants to carry on. There are jobs which we ought to do as a group and some which we are better able to do within small gatherings at our observatory. We have therefore asked our observatory director, Edw. Halbach, to talk about the kind of thing he would like you to take part in, and how this can be done.

One of the suggestions set forth at our recent board meeting was to make better use of both Sky and Telescope and the Astronomical Guide. Mr. Halbach will explain how this can be done.

This is a busy time for all of us, however we would like to see a good turnout of members at this meeting and hope it will encourage them to pursue their chosen hobby more actively than heretofore.

\* \* \* \*

TV channel 12 has begun a series of eight interviews on astronomy for beginners and has enlisted the aid of IAS. This is the Hi-Neighbor show on Fridays at 7:15 A.M. Messrs. Lindemann and Brichta has assisted Charlie La Force in outlining the following programs:

- Dec. 3: Introduction to astronomy (given by Mr. Lindemann)
- " 17: Literature on the subject; how to begin.
- " 31: Equipment for beginners (Mr. Brichta)
- Jan. 14: Solar system, planets
- " 29: Earth and the moon
- Feb. 11: Other major planets
- " 25: Milky way; other galaxies
- Mar. 11: Questions & answers, review

Some of you will be asked to take at least one of these dates.

\* \* \* \*

For sale, telescope, James Kelly, 6014 Shoreland Av. 332-0320

\* \* \* \*

A new membership directory will be issued soon. This list will be based on paidup membership as of Dec. 31st of the year.

\* \* \* \*

Member applications accepted by the board:

Barry K. Brezan, Ronald Kling, Orville J. Gulrud.

\* \* \* \*