



Peoria Astronomical Society, Inc.

P.O. Box 10111 Peoria, IL 61612-0111
Section of Peoria Academy of Science
Affiliate of the Astronomical League

www.astronomical.org

STARLITE

Fall, 2021

WHAT'S IN THIS ISSUE?

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- NCRAL Newsletter (how to sign up)
- Programs for 2021
- Board Meeting Information and Minutes
- Northmoor Hosting Schedule
- Jubilee Maintenance Schedule

Officers:

President: Brian Hakes, bhakes02@comcast.net
Vice-President: Jesse Hoover, hooveje@gmail.com
Secretary: Phil Burroughs
Treasurer: Dan Son, sonshine1992@gmail.com

Directors:

Acting Parliamentarian: Dave Monroe, dave.monroe@comcast.net
Nominating Chairman: Tatiana Johnson, 2gsheps@gmail.com
Legal Agent: Dave Monroe, dave.monroe@comcast.net
Northmoor Observatory Chairman: Open
Jubilee Observatory Chairman: Robert Pauer, sbpauer@winco.net

Peoria Astronomical Society - Facebook Page:
www.facebook.com/PeoriaAstronomicalSociety

Editor's Notes:

Thank you for supporting the PAS!

-Jesse Hoover

PLEASE NOTE:

Please notify Scott Swords at sswords3@comcast.net if you will be getting a new mailing address, email address and/or phone number. It is important that he has your personal information correct so you will continue to receive the Starlite and the Reflector. He would also like to receive any changes to your e-mail address as this is part of his database.

If you would like to join the Peoria Astro e-group or if you have changed your e-mail address, please notify Dan Son at sonshine1992@gmail.com with your e-mail address (for in-club use only – not given out to other sources). He does not need your mailing address or phone number. If you are not a member of the e-group, you may want to consider joining. A great deal of club activity information is sent via the e-group. And by the way, it is free to join!!!

FUTURE EDITIONS OF THE STARLITE NEWSLETTER

New delivery method for the Starlite:

Starlites will be emailed to our **Groups.io** Email Group, and a copy will be posted online for download on our website.

Benefits from joining the email group include the electronic Starlite and also receiving up to date information for star parties and other important communications from the PAS.

Presidents Message:

Whenever I take my grandkids to the Riverfront Museum I always make a point that they also view a planetarium show. The primary exhibit currently at the Riverfront is the Tyrannosaurus Rex display. Obviously, this has been a major attraction appealing mainly to young people. But this has also had a crossover effect on the planetarium as families also will attend shows when at the museum.

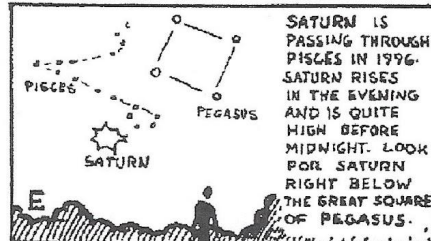
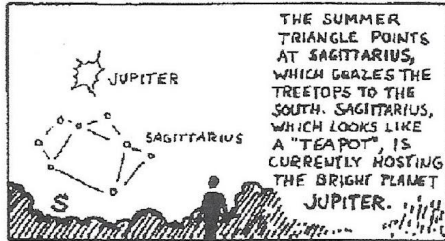
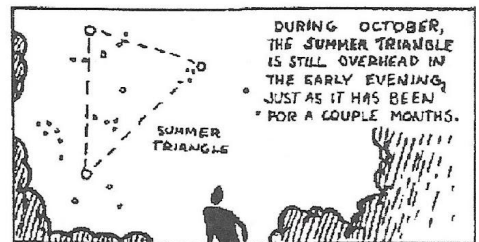
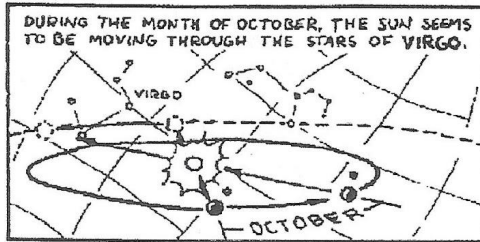
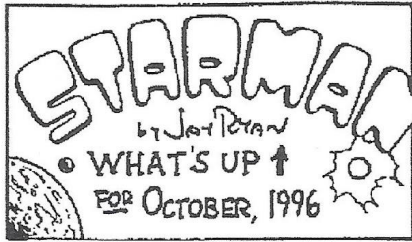
When I was in the planetarium the featured show was Big Astronomy. This had been a PAS general meeting presentation by Renae Kerrigan. Having seen Renae's presentation, I elected to watch the audience. What I first noticed was a gathering crowd waiting for the planetarium doors to open. The queue extended down the hall as folks were eager to be present before the scheduled viewing time. Even after I was seated, people continued to stream into the planetarium. When the doors closed, the planetarium was more than 3/4's full.

Noah hosted the afternoon program and he first introduced the night sky. He displayed the planets, first Venus in the East to Jupiter in the West. As he spoke everyone was attentive, quiet and they turned their heads to follow his focus on the different planets, from east to west. After the main show was over and the crowd was exiting the theater, the hall was filled with conversation. I could not decipher most of it, but I could tell a lot were questions children were asking their parents.

The last time I hosted Northmoor for a public observing night, I had 3 people speak to me about a membership and one couple spoke to me about the proposed amphitheater. There were only two of us PAS members present to answer questions, direct the observing at the telescope, show the sky using a laser pointer and to assist in the warm up room. The throughput that evening was light but consistent, however the visitor's inquisitiveness was high. My anecdotes from the Riverfront Museum and Northmoor show that Peorians continue to be very interested in the night sky today as much as they were when Northmoor was built in the 50's - prior to the beginning of the space age.

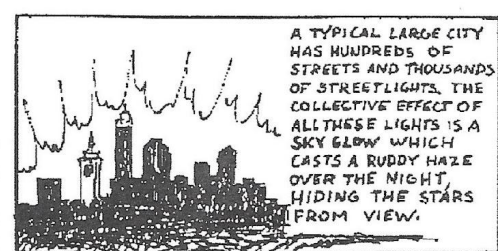
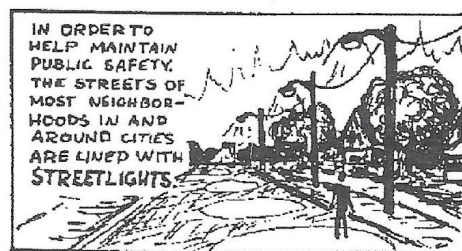
The PAS can help to cultivate this interest in astronomy. The most effective outreach program we have is Northmoor Observatory. As I have previously mentioned, volunteers are needed to be key holders and as support for the Saturday Night Public Observing program. Yes, one is present for a few hours on a Saturday night but only for a few times a year. Helping at Northmoor is a social activity and the time does pass quickly. In that respect it is like a star party at Jubilee and viewing with a group. Hosting at Northmoor can be both fun and self-rewarding when sharing the night sky with others. So I appeal to you to give consideration to helping at Northmoor. If you are interested or hesitant please contact Dan Son, he will be glad to address your concerns and answer your questions. Your involvement is needed.

Brian Hakes, President

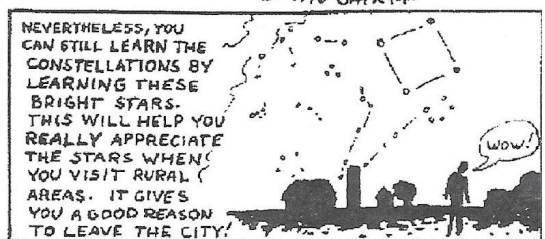
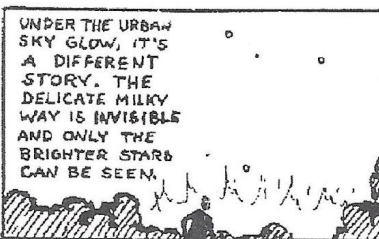
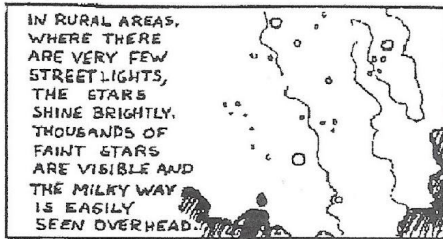


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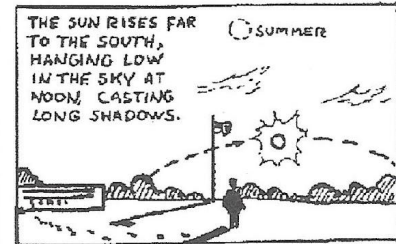
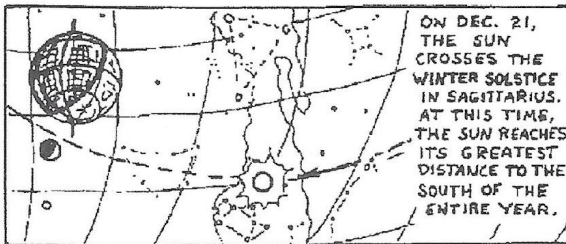
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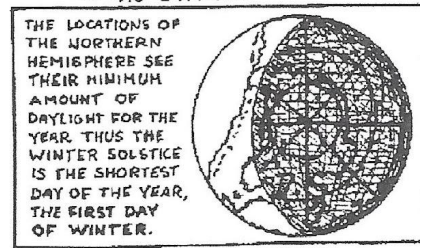
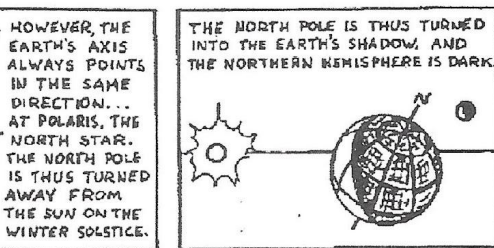
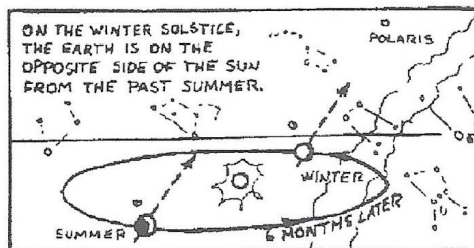
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From Starlites past 50 years ago:

Will be nothing for 50, it was a bad year!

Photos M13 and Interacting Galaxies: Dr. James Dire

Took the attached photo of M13 and NGC6207 recently. Details below:

Date/Location: April 13, 2021 Jubilee College State Park, Illinois

Camera and Settings: SBIG ST-4000XCM CCD camera -5°C

Telescope: 8-inch f/8 RitcheyChrétien Cassegrain (with a Televue 0.8x focal reducer/field flattener yielding f/6.4)

Mount: Paramount MyT

Exposure: 90 min (9 x 10 min)

M13 - mag. 5.7 globular cluster in the constellation Hercules 25 arcmin in diameter. NGC6207 - mag 11.3 spiral galaxy, 3.5 x 1.6 arcmin in size.

Best regards,

Jim



Interacting galaxies NGC4485 and NGC4486

Details:

Date/Location April 2 & 4, 2021 Jubilee College State Park, Illinois

Camera and Settings SBIG ST-4000XCM CCD camera

Telescope 8-inch f/8 Ritchey–Chrétien Cassegrain (with a Televue 0.8x focal reducer/field flattener yielding f/6.4)

Mount Paramount MyT

Exposure 190 min (19 x 10 min)

NGC4485 - mag. 11.9 irregular galaxy 2.0 x 1.3 arcmin in size. NGC4490 - mag. 9.3 spiral galaxy 6.8 x 1.7 arcmin in size. These interacting galaxies are in the Constellation Canes Venatici.





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August 3, 2021

To the membership of the PAS,

Our bylaws mandate an annual meeting for the election of officers and other motions requiring a vote of PAS members. The bylaws require the motions be mailed to the members one month before the annual meeting.

The following is the Slate of Officers for a one year term for 2022.

President – Dan Son
Vice-President – Brian Bill
Secretary – Phil Burroughs
Treasurer & Parliamentarian– Dave Monroe
Legal Agent – Rodney Nordstrom

The other motion put to the membership is raising the annual dues from \$30 to \$40. The last dues increase was in the mid 90's. In the meantime the PAS has seen substantial increase in insurance, utilities and fees associated with our website. Over the years the fee for the Reflector has also increased and the space for our general meeting at the Riverfront Museum is also twice as much as what we contributed when we met at Lakeview.

During that 25 year period the board of directors have reduced expenses, most notably discontinuing the physical mailing of the Starlite, disconnecting the telephone land line at both observatories and closing of the safety deposit box. While we have received memorials but those funds have been used to support the observatory facilities at Northmoor and Jubilee as well as the operations of the PAS.

While our annual budget is small, in the range of \$4,100 to \$4,500, the receipts from the public and member dues still fall short. Consequently, the PAS Board of directors unanimously voted to place before the membership the motion to increase the annual dues to \$40. The board encourages the membership to vote for the nominal \$10 annual increase in dues.

Respectfully,
Brian Hakes - President



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**PAS BANQUET Agenda
Jubilee Observing site
October 2, 2021**

- 5:00 Please bring drinks you like. The PAS will provide bottled water.
- 6:00 Fried Chicken will be provided, please bring a side dish to share, plates and flat ware.
- 7:00 Business Meetings with the Election of Officers and a vote to increase dues to \$40.
- Dark Have your scopes set up or use the ones in the warm up room. Stay as long as you wish.

We do need to know how many are planning to attend the banquet. Please email Dan Son, sonshine1992@gmail.com , if you plan to attend and how many.

2021 Meteor Shower Schedule: Scott Swords

Over the years I have used many meteor shower schedules. Below is by far the best one I have used.

<http://skytour.homestead.com/met2021.html>

Scott

Comet finder: Dan Son

<http://cometchasing.skyhound.com/>

Great web site that has finder charts for visible comets.

Dan

'Bike! Art! Donovan!'

Plan And Concept

This 'Bike! Art! Donovan! Bicycle Event is organized to support Donovan Sculpture Garden by staging a significant public event, draw publicity to Donovan Sculpture Garden, and bring a very diverse crowd to Donovan Park in a manner not really done before.

>Event Date: SUNDAY SEPTEMBER 19TH

>Time: Participants and others begin arriving at Trefzgers after 12:30 for departure by bicycle, to Donovan Park, via the Rock Island Greenway.

>Staging Area will be Trefzgers Bakery which will be 'open' for this Event, but not 'open/open' to the Public (no expanded staff on hand) Restrooms will be open Thru their liquor license, they will sell product, but all proceeds to Trefzgers.

THIS IS NOT A FUNDRAISING EVENT, BUT RATHER AN EFFORT TO PROMOTE DONOVAN SCULPTURE GARDEN, THRU PARTICIPATION BY OTHERS NOT FAMILIAR WITH DONOVAN.

>Bicyclists will depart Trefzgers for Donovan, beginning about 1:30.

>Bicyclists will depart in groups of 20, about 15 minutes or so apart.

They WILL NOT travel, arrive, and return 'en mass'. 20 to a group.

>Just 2 Public crossings are involved – Tref/Prospect/Trail, and Trail/Glen Avenue. Our group will provide appropriate crossing guards at both locations.

>The Key Operational Group will communicate via radio (not phone)

>Upon arriving at Donovan, the bicycle groups will travel a pre planned route past all six Sculptures, and the Observatory (also open, tho daytime).

>At each stop, Artists (or astronomers) will briefly explain their Work, the group then moves on to the next. 'Goodie Bag' items may be handed out at each Art Work and the Observatory.

>Last stop, the Observatory. A daytime look at the facility by the bicyclists, and we will place a portable restroom at that location. 'Parks on Tap' (a truck mounted 'serving station', MAY be included in this plan, located at the Observatory.

>Bicyclists return to Trefzgers in their groups, not all at once.

>Trefzgers parking lot will feature music, probably food, and the local 22VA Artists will have their 'bicycle themed' Art Work, Commissioned by the Village of Peoria Heights, in the Tref lot, actually working on the Sculpture (placement, VET'S Day, 11NOV21).

>We expect this Event to wind down about 5pm or so, but the Central Illinois Jazz Society has their monthly Jam Session at Tref that evening, beginning at 6pm. We are working on getting the bicyclists 'admission' if they wish.

>We are working on a Photography Contest for this Event, and would run that thru Peoria Camera Shop, with the significant cash prizes donated by donors we have located.

Once again, no fundraising, just a fun event for all.

And some good publicity for Donovan Sculpture Garden.

FULL DISCLOSURE:

This Event was conceived and proceeds under the data given above, BUT ...

Part of the intention of our Committee is to establish a Base Team to do another Event next year – the objective, a 'Bike Hill Climb' to help identify bike routes along Galena Road TO THE BLUFF (and into the Heights), and on to the Rock Island Greenway ... and on to showing THE NEED for a Trailhead Building in the Heights.

There is a 'Summation for this Concept' – 'Wheels Within Wheels' (no pun intended, but greatly acknowledged).

The concept, the inner wheels radiate power to the outer, they in turn radiate power back to the inside ... certainly turning in different directions, and even speeds, but also making each other stronger ... like a gyroscope ... Stable, Strong, Power From Within.

Ezekiel 1:17-21

BIKE! ART! DONOVAN!

Committee:

Mikayla Vincent – Strategic Development Coordinator for CORE Construction.

David Pittman – Donovan Sculpture Garden Volunteer Team Coordinator.

Michelle Cecil – Bike Peoria

Stu Reginer – Steamboat Classic, Race for the Cure Boards/Organizer for 40 years

Erich Smith – Administration, State Farm Insurance, Bloomington, Ill.

Mike Rucker, long time Environmentalist, PPD supporter, Chairman of Friends of Rock Island Trail.

Jeff & Martha Heubner – Owners, Trefzgers Bakery

Bruce Brown, Owner/Chef Paparazzi

Submission of photos / article content for the website: Jesse Hoover

If you have taken a nice photo that you would like to display on the PAS website, please send these to our webmaster Stan Pope stan@stanpope.net. Photos can be anything relating to astronomy. Maybe you snapped a good photo from a star party, club event, personal viewing, etc. Any astrophotography is encouraged! Also, if you have educational content, tips, techniques, lessons learned, or how-to articles with photos, we encourage that material also for the website. Please send these to Stan for addition to the website. Content is not limited to the website, and is encouraged in Facebook. If you have articles or pictures, we can also add them to www.facebook.com/PeoriaAstronomicalSociety
Note: Content posted on the website and Facebook will be made accessible to the general public.
Thanks!

The Caterpillar Matching Gifts Program: Brian Hakes

As of July 1, 2012 the Cat matching gifts program changed. Employees/Retirees are asked to submit matching gift forms electronically via the Caterpillar Foundation website, www.caterpillar.com/foundation. The process is easy. Once you made your gift to the PAS you can go online to the Cat Foundation website and complete the electronic form, there is no paper involved. Once the form is registered with the foundation they will notify the PAS and the treasurer will then verify the gift has been received. Because there will be no mailings, the turnaround time for the whole process will be negligible. This is especially advantageous at the end of the calendar (tax) year. This is an excellent way to support the PAS. If you can, please participate in this generous program. This is a great way to help the society and the promotion of astronomy in the greater Peoria area.

Northmoor Observatory blog post: Renae Kerrigan

Hi Everyone,

Like last year, I wrote a blog post about Northmoor Observatory and how people can visit. It was very popular on our museum's Facebook page – it was viewed by 16,700 people so far, and liked 200 times! That is just since it was posted on Monday at 11 am.

You can read the post here: <http://starsoverpeoria.blogspot.com/2016/05/visit-northmoor-observatory-this-summer.html>

Hopefully it will help let more people know about PAS and the observatory.

Reflector :

Reflector Magazine digital edition is available for download

You may access an archive of digital issues from the AL website by visiting:

<https://www.astroleague.org/reflector>

NCRAL Newsletter:

The North-Central Region of the Astronomical League (NCRAL) is made up of member societies... the six states commonly thought of as the Upper Midwest of the USA, plus the Upper Peninsula of the state of Michigan.

The PAS is a member of the NCRAL. Their Region Newsletter, also named "Northern Lights", has been resurrected and is better than ever! The latest issue is now available to read on their website can be found here:

<https://ncral.wordpress.com/newsletter-archive/>

You can access the current issue and all other back issues through this link.

As members of the NCRAL, we are allowed to submit our content to their newsletter as well. So if you have really cool articles appropriate for the viewing of the larger regional society audience mentioned above... please send these to Carl.

NCRAL Northern Lights Newsletter

Carl J. Wenning, Editor in Chief

NCRAL Regional Representative

Twin City Amateur Astronomers

Bloomington-Normal, Illinois

Email: carlwenning@gmail.com

Add Your Email Address to NCRAL Member Database

Add your email address to the NCRAL member database now so that you can get direct mailings of NORTHERN LIGHTS and important and timely announcements about Regional conferences, star parties, and so forth. Your email address will never be shared with or sold to outside entities. Sign-up takes only about a minute. You'll need to provide your name, email address, astronomy club affiliation (including at-large), and indicate if you hold particular positions within your club. Go to the following case-sensitive URL to add your information to our database: <https://goo.gl/qsS8SF>

Peoria Astronomical Society

Program Schedule 2021-2022

Final draft w/1st Revision – All speakers confirmed

Peoria Astronomical Society Public Programs

All programs are Free and open to the Public. Time: 7:30 p.m.

All programs are held in the Dome at the Peoria Riverfront Museum

Free parking in the museum's parking deck

We expect to be meeting face-to-face in the Dome Planetarium at the Peoria Riverfront Museum (svZ-speaker via Zoom)

October 6, 2021	Planetary Atmospheres using Legos“+ Big Astronomy” fulldome show Dean Campbell, PhD, Bradley University
November 3, 2021	Tour of the new Digistar Planetarium System Renaë Kerrigan
December 1, 2021	Following up on 2021's biggest astronomy news – the ongoing stories (svZ) Dr. Shannon Schmoll PhD, Abrams Planetarium, Michigan State University
January 5, 2022	No Meeting in January
February 2, 2022	Building a small observatory (available to regional astronomy clubs via Zoom) James Dire PhD.
March 2, 2022	The Artemis Mission to the Moon (svZ) Patricia Moore, Communication Strategist – Museum Outreach Deep Space Exploration Systems, NASA Johnson Space Center
April 6, 2022	Solar System Cratering (svZ) Carlisle Wishard, Ph.D (candidate), Purdue University
May 4, 2022	All New Astro-Jeopardy II Brian Bill

Incident weather notice: Monitor email (e-group), local radio stations or PAS Facebook Page if a program, board meeting, viewing, or star party may be canceled due to weather. If we determine a risk in the weather, the Society will cancel the event. If we host an event and you feel the weather or road conditions are questionable, please take the safest actions and do not attend the event.

Location for Board Meetings on the third Wednesday of every month at 7:30 PM

Proctor Place, Third Floor Conference Room
2724 W Reservoir Blvd, Peoria, IL 61615

Notice: Meetings are held virtually on Zoom until further notice:

The application to be used for hosting the conference is Zoom. This app needs to be downloaded and installed on your desktop computer, laptop or on a cell phone. Zoom should work on most modern smartphones with a camera, or your PC and webcam, and speakers. The application can be downloaded from [Zoom.us](https://zoom.us). If you would like to join in, please contact Dan Son to get on the email invite: sonshine1992@gmail.com

Board Meeting Minutes

Peoria Astronomical Society June 2021 Minutes

Meeting called to order at 7:36 pm, Zoom Meeting, June 16, 2021

Attendees: Dan Son, Phil Burroughs, Brian Hakes, Bill Cole, Sheldon Schafer, Eric Clifton, Dave Monroe, Tatiana Johnson, Stan Pope, Jesse Hoover

Minutes: (Phil Burroughs) The minutes of the April Board Meeting were approved.

Treasurer's Report: (Dan Son) – Dan presented the April and May Treasurer's Reports. In April we had receipts of \$310.00 and disbursements of \$33.50. End of April checking balance was \$5,234.03. In May we had receipts of \$280.00 and disbursements of \$30.84. End of May checking balance was \$5,483.19. The Treasurer's Reports were approved. Dan presented pie charts of past years spending by category. Insurance was a consistent major expense. We are also operating with a deficit of several thousand each of the past years. Discussion followed on raising the dues. Sheldon made the motion to raise dues to \$40 to be voted on at the banquet. Dave seconded the motion and it passed unanimously.

Jubilee: (Bob Pauer) –All new members will get the lock combination in a letter. Bob has a JMI EV-1 focuser to be installed on the 24" scope. Solar outhouse light has been installed. Jesse repaired the driveway. Bridge is out east of Jubilee Observatory.

Northmoor: (Dan Son) – Northmoor Observatory has been open 2 weekends. Sheldon reported that he required unvaccinated guests wear masks. He wore a mask even though he had been vaccinated. Matt Freeman of the Peoria Park District had said there were no new developments on the amphitheater project. The Park District knows our concerns. There was a discussion on what we would possibly do if we had to move the observatory. Eric reported that Emily Cahill of the Park District wanted to know if the telescope or the observatory would be up for Central Illinois Landmark status. He said the Park District will have a meeting on this. Eric said Cyds has a light pollution problem. Jesse will talk with Eric about possible solutions. Eric would like to see Northmoor guests contact the Park District about enjoying the observatory.

Nominating: (Tatiana Johnson) –Tatiana presented the slate of officers: President – Dan Son; Vice-President - Brian Bills; Treasurer and Parliamentarian-Dave Monroe; Secretary – Phil Burroughs; Legal Agent - Rodney Nordstrom; Nominating – Jesse Hoover . This will be voted on at the Banquet.

Legal Agent: (Dave Monroe) – None

Membership/Alcor: (Eric Clifton/Scott Swords) – Dan sent Scott the names of 11 members who are being removed as members because of not paying dues.

Starlite (Jesse Hoover/Dan Son) – Dan sent out the Starlite this month and will E-mail the 11 nonpaying members that they are being dropped as members.

Program: (Sheldon Schafer). – Sheldon would like his draft 5 schedule e-mail attached to the minutes. Some meetings will not be on Zoom.

Light Control: (Jesse Hoover) – Jesse has a sky quality meter and has measured the sky quality at Jubilee.

Website: (Stan Pope) Stan has been working on website including updating security.

Old Business: The Banquet is to be Oct. 2. Sheldon reported he would like a couple members to bring their telescopes to Kickapoo Creek Festival which PAS is a sponsor. He will lead a night sky viewing.

New Business: Eric said Donovan is having a Donovan Bike Ride Sept. 19 starting at Trefzgers Bakery in Peoria Heights and finishing at Donovan. We may want to show the scope and observatory.

Meeting adjourned at 9:11 pm.

Minutes taken by Phil Burroughs, PAS Secretary

Northmoor Observatory and Proposed Amphitheater Special Meeting

July 14, 2021

Meeting Start: 7:23

Attending Dave Monroe, Tatiana Jonson, Jesse Hoover, Brian Hakes, Dan Son, Rodney Nordstrom, Eric Clifton, Phil Burroughs, Brian Bill.

Brian Hakes called this special meeting to discuss the proposed amphitheater and what can be done to preserve night sky viewing at Northmoor Observatory. The Pavilion in the Park will be an amphitheater holding an estimated 1500 people. It is estimated to cost \$ 25 million. So far \$ 15 – 17 million has been pledged. Eric said that there would be a story about Northmoor Observatory in an upcoming Peoria Journal Star Newspaper. A major concern would be the heat sink and waves created by the amphitheater and parking lot on the observatory's viewing. The amphitheater's venue season would be April to Sept. or October. Nick Maloof is the developer and Sarah Connor-James is President of the Pavilion in the Park. The Peoria Park District plans to have a meeting with the public in October. Brian saw three possible actions which PAS can take if the amphitheater proceeds in the SE corner of the park.

1. Negotiate with the Peoria Park District items to benefit the observatory such as relocating the amphitheater to a different part of the park or rotating the amphitheater layout.
2. Have Peoria Park District move the observatory.
3. Shut down the observatory

The meeting adjourned at 8:30 on a motion by Brian and seconded by Eric.

Minutes taken by Phil Burroughs, PAS secretary.

Peoria Astronomical Society July 2021 Minutes

Meeting called to order at 7:33 pm, Zoom Meeting, July 21, 2021

Attendees: Dan Son, Phil Burroughs, Brian Hakes, Brian Bill, Sheldon Schafer, Eric Clifton, Shannon Wiltz, Tatiana Johnson, Stan Pope, Andrew Horton, Rodney Nordstrom

Minutes: (Phil Burroughs) The minutes of the June Board Meeting and a Special July Northmoor Amphitheater meeting were approved as corrected.

Treasurer's Report: (Dan Son) – Dan presented the June Treasurer's Reports. In June we had receipts of \$165.00 and disbursements of \$1712.53. End of June checking balance was \$5,234.03. In May we had receipts of \$280.00 and disbursements of \$30.84. End of May checking balance was \$3,935.66.

Jubilee: (Bob Pauer) – No report

Northmoor: (Dan Son) – Phil will check with the Peoria Journal Star whether they still are posting events in the Happening Column on Saturdays. The PJS posted the Northmoor Observatory article about the proposed amphitheater article digitally last Friday and in print on Monday. Eric received a call from Nick Maloof about meeting in the future. The amphitheater parking lot is to be open concrete pavers. Rodney suggested an amphitheater committee be formed. Rodney, Sheldon, Shannon, and Eric volunteered for the committee. Sheldon said Greg Batton would like to have representatives of PAS on his radio show to discuss the observatory and the amphitheater. Eric attended a meeting with Tom Biederbeck of the Central Illinois Landmark Foundation and Park Board Staff. It was determined that PAS has to submit a proposal about making the observatory a CIL to the Park Board Planning committee who will determine whether it should be submitted to the Park Board.

Nominating: (Tatiana Johnson) –Tatiana presented the slate of officers: President – Dan Son; Vice-President - Brian Bill; Treasurer and Parliamentarian-Dave Monroe; Secretary – Phil Burroughs; Legal Agent - Rodney Nordstrom; Nominating – Jesse Hoover. This will be voted on at the Banquet.

Legal Agent: (Dave Monroe) – None

Membership/Alcor: (Eric Clifton/Scott Swords) – None

Starlite (Jesse Hoover/Dan Son) – Dan is going on vacation next month and Jesse will publish the Starlite.

Program: (Sheldon Schafer). – No changes to the schedule

Peoria Academy of Science: (Bill Cole) – Dan said he will pay the Peoria Academy of Science dues in Sept.

Light Control: (Jesse Hoover) – Jesse is getting information on light cutoff party lights for Cyds.

Website: (Stan Pope) Dan and Eric are going to talk to Stan about storing documents on the website.

Old Business: The Banquet is to be Oct. 2. Brian will send out a letter on the banquet including the agenda, the slate of officers, and the dues increase. The Northmoor Observatory will be open for the Sept. 19 Donovan Bike Ride. Shannon and Eric volunteered to help Sheldon with the Kickapoo Creek Festival which PAS is a sponsor on Aug. 14.

New Business: - There will be no Sept Board Meeting. Sheldon will set up Zoom for the August 18 Board Meeting.

Meeting adjourned at 8:38 pm.

Minutes taken by Phil Burroughs, PAS Secretary

Northmoor Hosting Schedule 2021 - Dan Son

Date:	Keyholder	Helper 1	Helper 2
June 5	T Beachler	B Austin	D Son
June 12	S Schafer	B Bechtold	J Lyle
June 19	B Hakes	J Crow	B Pauer
June 26	G Horst	D Grebner	J Hoover
July 3	P Burroughs	T Widmer	E Samaha
July 10	B Cole	B Bill	K Adams
July 17	D Son	J Hoover	L Reeves
July 24	T Beachler	S Schafer	B Austin
July 31	B Hakes	J Crow	B Bechtold
Aug 7	D Son	E Samaha	D Grebner
Aug 14	P Burroughs	J Lyle	J Hoover
Aug 21	S Schafer	B Hakes	E Samaha
Aug 28	B Cole	J Crow	T Widmer
Sept 4	B Pauer	G Horst	B Austin
Sept 11	D Son	K Adams	B Bill
Sept 18	B Hakes	J Crow	J Hoover
Sept 25	T Beachler	B Cole	T Widmer
Oct 2	P Burroughs	L Reeves	K Adams
Oct 9	B Pauer	D Grebner	B Bill
Oct 16	D Son	J Lyle	G Horst

If you have a conflict with any dates, let me know as early as possible and ask the Northmoor group for help to switch dates with another member. Everyone has 3 dates this year.

2021 Jubilee Maintenance Schedule

<p>May 1 Eric Clifton Bob Pauer</p>	<p>May 10 Jesse Hoover Brian Hakes</p>	<p>May 15 James Dire Steve Russell</p>	
<p>May 22 Gary Bussman Brian Hakes</p>	<p>May 22 Jon Crow Dan Son</p>	<p>June 5 Brandt Bechtold Brian Bill</p>	<p>June 12 Bob Pauer Jesse Hoover</p>
<p>June 19 Gary Bussman Brian Hakes</p>	<p>June 26 Steve Russell Dan Son</p>	<p>July 3 Jon Crow Eric Clifton</p>	<p>July 10 James Dire Brandt Bechtold</p>
<p>July 17 Brian Bill Bob Pauer</p>	<p>July 24 Jon Crow Brian Hakes</p>	<p>July 31 Brandt Bechtold Dan Son</p>	<p>Aug 7 Eric Clifton Bob Pauer</p>
<p>Aug 14 Gary Bussman Eric Clifton</p>	<p>Aug 21 Jesse Hoover Jon Crow</p>	<p>Aug 28 Steve Russell Brian Bill</p>	<p>Sept 4 James Dire Dan Son</p>
<p>Sept 11 Brandt Bechtold Steve Russell</p>	<p>Sept 18 Gary Bussman Brian Bill</p>	<p>Sept 25 Jesse Hoover Eric Clifton</p>	<p>Oct 2 Bob Pauer James Dire</p>

Responsibilities: Check each building to ensure security of equipment. Sweep floors, mow lawn and trim around buildings, blow or sweep off grass clippings from walkways. Mowing once a week will help prevent clumping and the need to sweep up clumps. Bring gas to top off mower tank. Currently there is no line trimmer at Jubilee. Since only two people are scheduled each week, it is **imperative** they ensure that someone goes to Jubilee and perform scheduled tasks. Please notify me of any schedule conflicts or problems with the equipment.

Bob Pauer: 309-879-2438