



**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](http://www.astronomical.org)

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# *STARLITE*

## *SUMMER, 2019*

### ***WHAT'S IN THIS ISSUE?***

- List of Board of Officers and Directors
- Editor's Notes
- Address/email changes
- Future Editions of the Starlite
- New Members
- 2019 Meteor Shower Schedule plus Comets
- Monthly's (June)
- Presidential ramblings
- From starlites past
- Photos/Articles for Website
- Caterpillar Matching Gifts
- Northmoor Observatory Blog Post
- Reflector
- NCRAL Newsletter (how to sign up)
- Nebraska Star Party 2019
- ALCon 2019 registration form
- Spring ICC star party - Thank You!
- ICC Summer Star Party dates
- Lakeland Park Public Star Party - Canton
- 2019 PAS Banquet
- Programs for 2019
- PAS News Alert!
- Board Meeting Information and Minutes
- Northmoor Hosting Schedule
- Jubilee Mowing/Maintenance Schedule

## ***Officers:***

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

## ***Directors:***

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

## ***PEORIA ASTRONOMICAL SOCIETY IS NOW ON FACEBOOK:***

[www.facebook.com/PeoriaAstronomicalSociety](http://www.facebook.com/PeoriaAstronomicalSociety)

## **Editor's Notes:**

*Thanks for your dedicated support to the society!*

*-Jesse Hoover*

## **PLEASE NOTE:**

Please notify Scott Swords at [sswords3@comcast.net](mailto: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 Mike Frasca at [mfrasca@att.net](mailto:mfrasca@att.net) 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 Yahoo 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.

### **New Members:**

The Peoria Astronomical Society welcomes new members:

Mary Hutson – Eureka, IL  
John Manney – Peoria, IL  
Robyn Mac Donald – Pekin, IL  
Dan Reatherford – Pekin, IL

### **2019 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/met2019.html>

Scott

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

Great web site that has finder charts for visible comets.

Dan

### **June Monthly: Gary Bussman**

The weekends for observing out at Jubilee observatory are Friday, May 31st and June 1st. This is new moon weekend. The next date will be June 21, 22, 28 and 29. Those are the 3rd quarter and new moon weekend dates. Like always, communicate through the e-group to see if anyone is going out.

The planets: on June 1st, Mercury will be 6 degrees above the western horizon after sunset. This planet will be shining at magnitude -1.0. Bright enough to see with binoculars in the twilight.

Mars will be 16 degrees to the left and binoculars are a must to find in twilight. On June 4th, a two day old crescent moon will be in the mix. Should be a good visual with binoculars. Over the next 2 weeks, Mercury will climb higher in the western sky.

On June 17, Mercury and Mars will be within a full moon's diameter of each other. Binoculars are a must.

On June 10th, Jupiter rises in the south/east at sunset. Shining at -2.6 magnitude, this planet will remain visible all night..

Saturn will rise around 11pm and located in the constellation, Sagittarius. It will shine at 0.2 magnitude. On June 18th, the moon will be 0.4 degrees south of Saturn. Very close to each other. Uranus and Neptune will rise after 1am.

For the early birds, Venus rises 1 hour before sunrise in the east. Shining at -3.8, this planet is very easy to see.

There may be another ICC star party this summer. If there is one, information will follow from Jeff Constable. Don't forget that Northmoor observatory is open at sunset on Saturday nights. Easy to get to and it's always great to look thru that telescope.



Looking forward to a good observing season. Hope to see everyone out at Jubilee  
Gary Bussman



### *Presidential Ramblings*

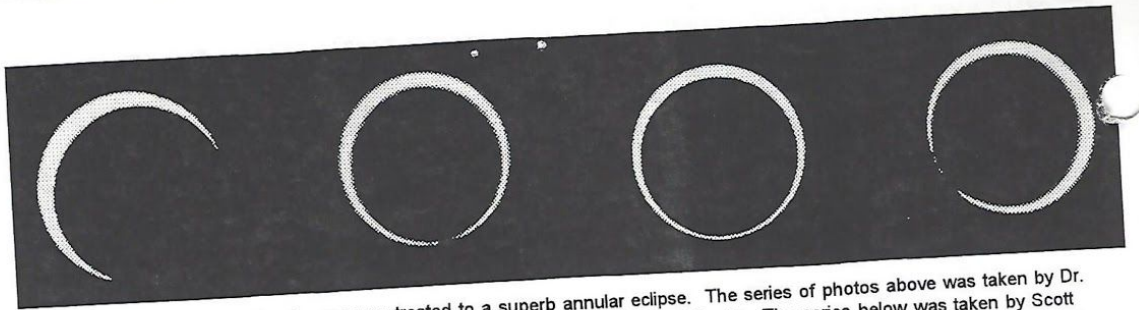
Well, we have reached the Memorial Day Weekend... and when will the rain stop. I sit here looking at charts and my equipment and wonder when will the clouds leave and give us some dark sky's. A lot will be happening this summer and fall. Start making plans for the Mercury transit of the Sun in November. We have been asked to try again to have a Star Party in Canton, IL and hopefully the clouds will stay clear.

The 1<sup>st</sup> night of Northmoor opening for the 2019 season was a cloudy mess. A group of parents and Cub Scouts made it out, but nothing was visible thru the scope, was a good night talking to them but we like to look thru our scopes, not at them.

I hope you read all the articles, there is much information about coming events and the September Banquet. Time never stands still and neither should we. Come out to Northmoor when you can and use the scope. Make plans for future events and keep moving because before long....Summer will just be a memory.

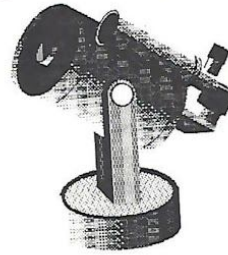
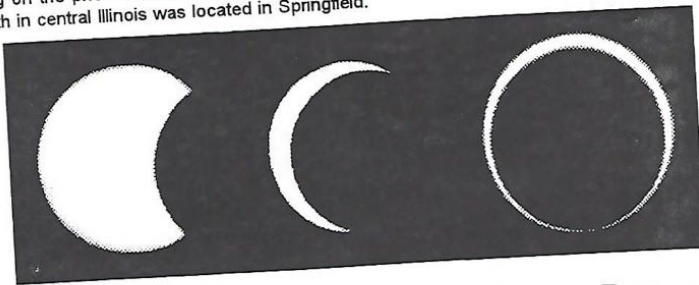
Dan Son

25 Years ago...



On May 10, 1994, the greater Peoria area was treated to a superb annular eclipse. The series of photos above was taken by Dr. Michael Frasca at the Lakeview Museum for the Arts and Sciences in the heart of Peoria. The series below was taken by Scott Swords at the Decker-Grebner-VanZandt Observatory (Jubilee) approximately 18 miles northwest of Peoria. Notice the complete ring on the photos above during full eclipse, while Bailey beads are prominent on the photos taken at Jubilee. The center of the path in central Illinois was located in Springfield.

*Photos courtesy of Dr. Michael Frasca and Scott Swords.*



**LAKEVIEW EXTENDS THANKS TO PAS FOR ASSISTANCE**

Dr. Michael Frasca, president of the PAS, received the following letter:

*Dear Mike,  
I wanted to thank you and the other members of the Astronomical Society who helped out at the public eclipse watch Tuesday. It was without question the biggest astronomical event ever to occur in Peoria, and one of the two or three largest events ever at Lakeview Museum of any type. I think it speaks well for the popular interest in astronomy when 800 people gather in one place to view the sky. We couldn't have handled the crowd without you. Thanks so much!*

*Sincerely,  
Sheldon Schafer  
Deputy Director, Science  
Planetarium Director  
Lakeview Museum of Arts & Science*

**PAS MEMBERS PROVIDE SERVICE TO CAT CIS EMPLOYEES**

PAS members Eric Clifton and Perry White provided a unique service to the Caterpillar Building AD employees the morning of the eclipse. They had obtained permission to set up their telescopes in the parking lot outside CIS so that CAT employees would be better able to share in the eclipse. Eric reported a large turnout. Hats off to Eric and Perry for taking the initiative and making this astronomical event one to remember for all the lucky CAT CIS employees.

The following note was issued on the CAT C.I.S. DataLine:

*A big THANK YOU to PERRY WHITE (TSD) and ERIC CLIFTON (CIS) for giving Building AD employees a unique opportunity to view the annular eclipse that took place on Tuesday, May 10. Perry and Eric used their own equipment, plus equipment borrowed from the Peoria Astronomical Society, to provide employees with an outstanding and safe view of this once-in-a-lifetime event. Their generosity and expertise were truly appreciated.*

**VAN ZANDT (MAY 1994)**

The following poem was written by PAS member David Grebner in memorial to the passing of Rollin Van Zandt. I feel the poem is beautifully written, poignant, and will serve as a lasting memorial to Van. Van and David's father, Art Grebner, were instrumental in the building of the 24-inch telescope and the Decker-Grebner-Van Zandt Observatory.

**Van Zandt (May 1994)**

*Though eclipsed by death  
before nature's big show  
your light still shines  
through sudden loss  
and chilling darkness  
like the silvery glow  
of that annular event*

*And your light too  
will brighten again  
on the silvered mirrors  
of telescopic eyes  
projected on the screens  
of treasured memories  
one, at last, with the moon and stars*

-DG: 5/10/94

PEORIA COUNTY SCIENCE FAIR-- by Eric Clifton

Every year at the beginning of spring, the Peoria Cosmopolitan Club sponsors the annual Science Fair held at Robertson Memorial Fieldhouse at Bradley University. On 22-23 March 1969, over 900 grade and high schoolers gathered to exhibit their projects. First, second, third, and honorable-mention awards were granted on the basis of neatness, originality, the student's comprehension of his project, and scientific worth. About a dozen members of the Peoria Astronomical Society provided their services as judges for the astronomy-related exhibits.

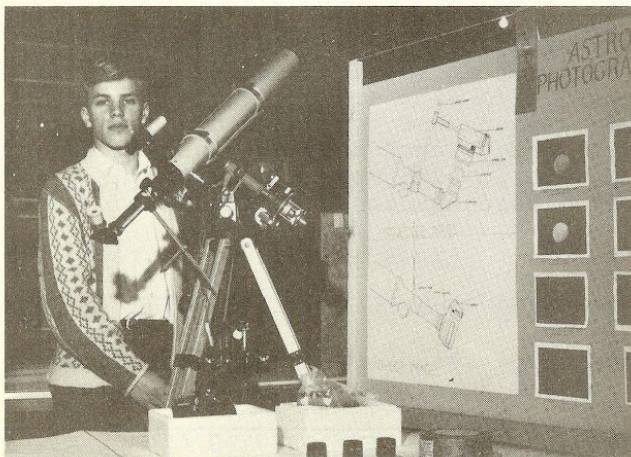
Although every year's fair sees a seemingly endless procession of exhibits of dissected frogs, paper-mache working models of volcanoes, and styrofoam solar systems, a few projects are particularly notable in their imagination and achievement.

Bob Pauli (right), an eighth grader from Thomas Jefferson School, won a first award by designing and building a scale model of a large lunar colony. Bob indicated that such a colony probably could be built by the year 2000 for a cost of around one hundred billion dollars. The colony model showed use of regenerative life support systems, conversion of solar power for electrical use, and recoverable boosters for supply rockets, all of which must and will be necessary realities by the projected time that the station could be built. Bob's exhibit was a very imaginative approach to lunar living but was still quite consistent with the restraints imposed by environmental conditions on the moon.



Another first award went to Limestone sophomore, Gary Fugman, a member of

the Peoria Astronomical Society, for his project of astrophotography. Gary exhibited a number of photographs taken with his 2.4" refractor, which he had modified to aid his work. Setting circles had been added to the clock driven equatorial mount and a clock had been specially altered to show local mean time and to aid in the computation of the sidereal time so necessary for locating faint celestial objects. Gary hopes to become a keyholder to Northmoor Observatory as soon as he can get his driver's license. He needs this so that he can get over to the observatory for special events in order to fulfill his



obligation to the members of the society. I'm sure all members will agree and

**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](mailto: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](http://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](http://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 :**

March 2019 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 **Summer 2019** issue is now available to read on their website can be found here:

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

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](mailto: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/gS8SF>

### **Nebraska Star Party 2019:**

NEBRASKA STAR PARTY, July 28th - August 2nd, 2019 @ Merritt Reservoir State Recreation Area, Valentine, NE!  
<https://www.nebraskastarparty.org/>

### **ALCon 2019:**

To Astronomical League Chairs and Representatives...

Next year, ALCon will be held at the Kennedy Space Center followed by a three-day cruise to the Bahamas.

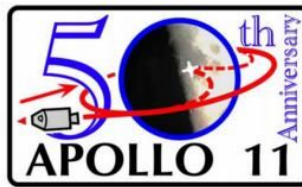
Please pass this announcement to your constituents.

Thanks,

John Jardine Goss  
Astronomical League President  
[www.astroleague.org](http://www.astroleague.org)



*Your* **ASTRONOMICAL LEAGUE**



*Join the Astronomical League to commemorate  
the 50th anniversary of the first moon landing!*

**ALCon 2019**  
**Kennedy Space Center and**  
**Southern Skies Cruise to the Bahamas**  
July 25 - 29, 2019

First, tour the **Kennedy Space Center**, the site of the Apollo 11 launch. Then, enjoy a **three-day cruise to the Bahamas** on a ship by Royal Caribbean and see the southern Milky Way of Sagittarius and Scorpius!

- Thursday July 25, after the KSC tour, stay on-shore at a hotel in Port Canaveral (to be arranged).
- You will need a passport valid through January 2020 or later. (Yes, at least six months after the cruise!)
- Royal Caribbean cruise ship leaves Port Canaveral Friday afternoon July 26 and returns Monday morning July 29.
- Cruise cabins are limited. Reservations are being accepted, with a \$100 initial down payment. Pricing (based on double occupancy) for the whole weekend cruise including meals is set at \$399 per person (PP) for inside cabins, \$579 PP for outside cabins, and \$589 PP for Balcony cabins. Singles, triples, and quad rates are available upon request with our agent.
- Members of the Astronomical League only: **To reserve your cabin with a \$100 deposit, and for additional cruise details, please contact Marsha at Lin-Mar Travel, 631-736-1049 or [marsha@travelwithlin-mar.com](mailto:marsha@travelwithlin-mar.com).**

More details available shortly.

### **Spring ICC Star Party:**

Just wanted to thank everyone again who helped out with the star party last Saturday night. We had a total of 38 students, friends, and family members from 2 different classes come out. I have been reading some of the extra credit papers and all were thoroughly impressed and enjoyed the evening. They enjoyed looking at the different objects and some of the folklore that went along with them. Thanks again to everyone for a very successful evening!

Jeff Constable

### **ICC Star Party Summer 2019 Dates (@ Jubilee Observatory):**

- Friday, June 28th (Primary Date)
- Saturday, June 29th (rain date #1)
- Friday, July 5th (rain date #2)
- Saturday, July 6th (rain date #3)

### **Lakeland park Canton Star Party:**

I am not sure when this was last done ( a star party hosted by a city), beside Astronomy Day events... but this is exciting to me. The Canton Park District is asking PAS to have our members bring out their telescopes to Lakeland Park on Saturday August 31st with a rain date of September 21st. Jesse Hoover and myself went to the site in 2018 and enjoyed the dark skies to the south, west and north. The town of Canton is about a mile away in the east. The Park District will publicize the event for all of Fulton County so the turn out may be huge. The Sun sets around 7:30pm on that night and the Moon will be at New Moon phase. I will be out there by 5pm but members with scopes can arrive 6:30 ish to set up equipment. Car headlights will not be anywhere near our scopes and observing eyes. I hope everyone with a scope will think about this event. The drive is about 40 minutes from downtown East Peoria, you can go out route 24 or route 116 thru Farmington. All PAS members are welcome and will have fun looking thru scopes and talking to others. Any question feel free to call me at 309-224-9150.

We did set up a rain date this time and it will be a 3rd quarter Moon. Lakeland Park Drive is off Main St/ Route 78 and the park is about 1 mile down the road. Any question about how to get there, call me. I will also send out more information as we get closer to the date.

*2019 Peoria Astronomical Society - Banquet!*

**PAS BANQUET  
Bernardi's  
September 14, 2019**

This year we will be eating at Bernardi's in Lake of the Woods Shopping Center. We can meet and socialize before dinner from 5 to 6, Dinner will be served at 6pm and the business meeting will start around 7pm. This a great time to meet other members and talk with the lights turned on! More information will come later on food choices and letting me know who and how many are coming to this event.

## Peoria Astronomical Society

### Program Schedule 2019– 2020 (6<sup>th</sup> Draft)

October 2, 2019      Recapping the July 2, 2019 Total Eclipse in Argentina  
Sheldon Schafer, Renae Kerrigan, James Dire

November 6, 2019    Variable Stars, their value to science and how to get started observing  
Stella Kafka, PhD  
Director, American Association of Variable Star Observers (AAVSO)

December 4, 2019    Observing with the Twin City Amateur Astronomers:  
The technology of the 3 TCAA observatories – Sugar Grove, Prairie Sky, and Waynesville  
Carl Wenning and Tim Stone

They will encourage attendance by their members to meet and mingle with PAS members, and I will take their members to Northmoor Observatory to see the instrument and hear the history of the observatory.

January 1, 2020      No Meeting this month

February 5, 2020    Getting started with CCD & CMOS Cameras (tent. or, Part 1 from his 2 part program this past year)  
James Dire PhD. – <http://astrojim.net/>

March 4, 2020      Lunar and Planetary Institute (exact title TBD)  
Dr. Allan H. Treiman, Associate Director of Science  
[treiman@lpi.usra.edu](mailto:treiman@lpi.usra.edu)      Phone: 281-486-2117

Dr. Allan Treiman studies planetary materials, particularly Moon rocks and martian meteorites. From these rocks, he teases out the early histories of the terrestrial planets (including large asteroids), emphasizing their volatiles — water, halogens, carbon, etc. His background is in chemistry, and he approaches planetary sciences from both geological and thermochemical perspectives. Allan's current work emphasizes: Mars mineralogy (as a co-I with the CheMin instrument on the MSL rover), volatiles in the lunar crust, the origins of martian magmas, and serpentinization in relation to astrobiology. Earlier work includes diverse topics like: groundwater in Mars, as revealed by clay and carbonate minerals in martian meteorites; crust-atmosphere interactions on Venus; metamorphism in large water-rich asteroids; and water-deposited minerals on the asteroid Vesta. This research core has spun off work in other fields of planetary science. Work on the martian meteorite ALH 84001 led to studies of terrestrial analogs, the AMASE expeditions to Spitzbergen Island, and astrobiology. Work on water in martian meteorites led to investigations of possible surface manifestations of Mars water, the martian gullies.

Allan Treiman is active in science education. He has worked in many teacher-training field experiences on volcanology (central Oregon, Yellowstone, Cascade Mtns.), extreme environments (Owens Valley, CA; Yellowstone), and general geology (northern Arizona & New Mexico).

April 1, 2020      New Horizons and Beyond (tentative title)  
Dr. Harold Weaver, New Horizons Project Scientist  
Johns Hopkins Applied Physics Lab – Space Exploration Sector

May 6, 2020      The All New Astro-Jeopardy  
Brian Bill

Suggested topics for future:      Amateur Radio Astronomy – Tutorials from YouTube  
IOTA (Occultation Timing Asscn.)  
ALPO (Asscn. Lunar & Planetary Observers)

I invite further additions to this list. Please e-mail me directly

**Hazardous 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.

### **PAS News Alert!**

Although I have enjoyed handling the refreshment list for so many years that I cannot remember how many, I have decided to allow the responsibility to be shouldered by someone else to enjoy. If no one decides to take it on, my suggestion would be to ask for a volunteer at each meeting to supply treats for the next month. Please let our president know if you plan to bring something to the October meeting. A very large THANK YOU to all of you who have volunteered to bring refreshments to the meetings. We have all enjoyed them.

submitted by Calene Fleming

### **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

### **Board Meeting Minutes**

#### **Peoria Astronomical Society February 2019 Minutes**

Meeting called to order at 7:30 pm, Proctor Place third floor conference room, February 20, 2019

**Attendees:** Jesse Hoover, Dan Son, Dave Monroe, Bill Cole, Phil Burroughs, Brian Hakes, Sheldon Shafer, Eric Clifton

**Minutes:** (Phil Burroughs) The minutes of the December board meeting were approved. There was no board meeting in January due to weather.

**Treasurer's Report:** (Brian Hakes) – Receipts for December were \$ 80.00 and disbursements were \$ 358.42. Receipts for January were \$ 1845.00 and disbursements were \$296.34. Checking balance at the end of January 2019 was \$ 5,729.25. The savings account balance at the end of January was 13,576.99. The Treasurer's Report was approved.

**Jubilee:** (Bob Pauer) – Dr. James Dire wants to put an observatory pod on the concrete pad at Jubilee. Discussion followed and it was agreed that the southwest corner of the concrete pad was the preferred location. Eric made the motion to have the observatory pod located on the southwest corner of the concrete pad and it was to be reviewed after one year. Brian seconded the motion and it passed. ICC Star Party date is scheduled for April 26 with rain dates of April 27, May 3, and May 4.

**Northmoor** - Dan has sent out this year's hosting schedule. April 20 is a maintenance and cleaning date.

**Inventory** (Bob Pauer) – None

**Nominating:** (Tatiana Johnson) – None

**Legal Agent:** (Dave Monroe) – Dave has filed the Annual Report with the Illinois Secretary of State.

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

**Starlite** (Jesse Hoover) – Next deadline for Starlite is tonight, February 20 but Jesse will still take articles after that date.

**Program:** (Sheldon Schafer). – Sheldon had the following programs scheduled: March; Were the Moon Landings a Hoax?, April; Michigan's Extraterrestrial Visitor, the Hamburg Meteorite, May; Chasing Eclipses in 2019 and 2020. There will be no meeting on January 1, 2020. Sheldon had a tentative schedule for next year. He took ideas on future programs.

**Peoria Academy of Science:** (Bill Cole) – Bill said next meeting of Peoria Academy of Science is February 20. Bill will be on vacation next month.

**Light Control:** (Jesse Hoover) – None.

**Observing Report:** (Gary Bussman) – Gary has mailed observing report.

**Website:** (Stan Pope) – None

**Old Business:** - Old business was the previously discussed Jim Dire's observatory pod location.

**New Business:** - Next years banquet dates and possible locations were discussed but no decisions were made.

Meeting adjourned at 9:05 pm.

Minutes taken by Phil Burroughs, PAS Secretary

### **Peoria Astronomical Society March 2019 Minutes**

**(Meeting was canceled due to no quorum.)**

### **Peoria Astronomical Society April 2019 Minutes**

Meeting called to order at 7:35 pm, Proctor Place third floor conference room, April 17, 2019

**Attendees:** Jesse Hoover, Dan Son, Bill Cole, Phil Burroughs, Brian Hakes,

**Minutes:** (Phil Burroughs) The minutes of the February Board meeting were approved. There was no board meeting in March.

**Treasurer's Report:** (Brian Hakes) – Receipts for February/March were \$ 540.00 and disbursements were \$ 271.26. Checking balance at the end of March 2019 was \$ 5,997.99. The savings account balance at the end of March was 13,578.90. The Treasurer's Report was approved. Brian made the motion to remove 11 nonpaying dues members from the roster. Jesse seconded the motion and the motion passed.

**Jubilee:** (Bob Pauer) – Bob sent out the mowing and maintenance schedule. ICC Star Party date is scheduled for April 26 with rain dates of April 27, May 3, and May 4. We are awaiting Eric to get adapter plate made for ICC scope.

**Northmoor** - Brian and Jon Crow found one phase of the electrical power was not working on Friday, April 20. Ameren has since fixed the problem with the underground cable. Discussion followed on possibly getting a laptop computer with a wall mounted monitor for slide show viewing. Tatianna needs to be contacted whether she still plans to issue the Saturday night viewing objects. April 20 is a maintenance and cleaning date.

**Inventory** (Bob Pauer) – None

**Nominating:** (Tatiana Johnson) – None

**Legal Agent:** (Dave Monroe) – None

**Membership/Alcor:** (Eric Clifton/Scott Swords) – We have one new member Mary Huston.

**Starlite** (Jesse Hoover) – Next deadline for Starlite is the May Board Meeting. Jesse is going to request articles.

**Program:** (Sheldon Schafer). – Sheldon has scheduled for the May Members Meeting “Chasing Eclipses in 2019 and 2020”. Sheldon has a tentative schedule for next year.

**Peoria Academy of Science:** (Bill Cole) – Bill said the Peoria Academy of Science Annual Dinner was April 12 at Barack’s Cater Inn. Approximately 25 people attended.

**Light Control:** (Jesse Hoover) – None.

**Observing Report:** (Gary Bussman) – Gary has e-mailed observing report.

**Website:** (Stan Pope) – Dan believes website is okay as it currently is.

**Old Business:** - The PAS Banquet date is Sept. 14 and the proposed location is Bernardi’s North.

**New Business:** - Canton Star Party is scheduled for Aug. 31 with a rain date of Sept. 21. There was a discussion on possibly changing the Board Meeting time and members dues. Both are to remain the same.

Meeting adjourned at 8:50 pm.

Minutes taken by Phil Burroughs, PAS Secretary

## 2019 Northmoor Observing Schedule

June 1 <sup>st</sup>	Brian Hakes Brandt Bechtold Brian Austin	June 8 <sup>th</sup>	Phil Burroughs Elias Samaha Brian Bill
June 15 <sup>th</sup>	Gerald Horst Jesse Hoover John Lyle	June 22 <sup>nd</sup>	Bob Pauer Tatiana Johnson Larry Reeves
June 29 <sup>ht</sup>	Steve Wrigley Josh Wrigley Jon Wrigley	July 6 <sup>th</sup>	Bill Cole Brian Bill Jesse Hoover
July 13 <sup>th</sup>	Dan Son Brian Austin Tatiana Johnson	July 20 <sup>th</sup>	Dan Son Rodney Nordstrom Gerald Horst
July 27 <sup>th</sup>	Brian Hakes Blake Nebergall Elias Samah	Aug 3 <sup>rd</sup>	Jon Wrigley Josh Wrigley Steve Wrigley
Aug 10 <sup>th</sup>	Terry Beachler Blake Nebergall Dave Grebner	Aug 17 <sup>th</sup>	Phil Burroughs Jon Crow Larry Reeves
Aug 24 <sup>th</sup>	Gerald Horst John Lyle Sheldon Schafer	Aug 31 <sup>st</sup>	Bob Pauer Brandt Bechtold OPEN
		Host is 1 <sup>st</sup> name for the scheduled date. If you cannot be present, it is your responsibility to obtain a substitute and notify the host.	



## 2019 Jubilee Maintenance Schedule

<b>April 27</b> Gary Bussman Dan Son	<b>May 4</b> Eric Clifton Bob Pauer	<b>May 11</b> Jesse Hoover Brian Hakes	<b>May 18</b> James Dire Dave Grebner
<b>May 25</b> Brian Bill Bob Pauer	<b>June 1</b> Jon Crow Brian Hakes	<b>June 8</b> Brandt Bechtold Dan Son	<b>June 15</b> Eric Clifton Bob Pauer
<b>June 22</b> Jesse Hoover Brian Hakes	<b>June 29</b> Steve Russell Dave Grebner	<b>July 6</b> Jon Crow Brian Bill	<b>July 13</b> James Dire Brandt Bechtold
<b>Aug 17</b> Gary Bussman Eric Clifton	<b>Aug 24</b> Jesse Hoover Jon Crow	<b>Aug 31</b> Larry Russell Dan Son	<b>Sept 7</b> Steve Russell Brian Bill
<b>Sept 14</b> Brandt Bechtold Larry Russell	<b>Sept 21</b> Jesse Hoover Dave Grebner	<b>Sept 28</b> Gary Bussman Eric Clifton	<b>Oct 5</b> Larry Russell James Dire

**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 insure that someone goes to Jubilee and perform scheduled tasks. Please notify me of any schedule conflicts or problems with the equipment.

**Bob Pauer: 879-2438**