



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

SUMMER, 2018

WHAT'S IN THIS ISSUE?

- List of Board of Officers and Directors
- Editor's Notes
- Address/email changes
- Future Editions of the Starlite
- Starlites from the past
- New Members
- 2018 Meteor Shower Schedule
- Financial Report of the PAS
- Monthly's (June)
- Photos/Articles for Website
- Caterpillar Matching Gifts
- Academy of Science Scholarships
- Northmoor Observatory blog post
- Photos from May 4th ICC Star Party
- Astronomical League's 2018 annual convention, Video update
- NCRAL Newsletter
- Programs for 2018
- Northmoor Hosting Schedule
- Jubilee Maintenance Schedule
- Board Meeting Information and Minutes (March, April, May)

Officers:

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

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 IS NOW ON FACEBOOK:

www.facebook.com/PeoriaAstronomicalSociety

Editor's Notes:

Stay cool this summer, and thanks to all who volunteer to the society! Keep up the good work!

-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 Mike Frasca at 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

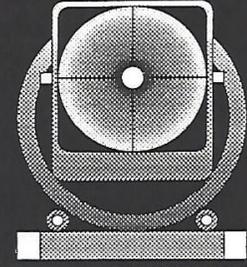
New delivery method for the Starlite:

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.

From Starlites past - 25 years ago...

starlite



The Official Publication of the Peoria Astronomical Society

SUMMER ISSUE No. 114

JUNE 1993

THE INSTANT STAR PARTY

**We shall find peace.
We shall hear the angels,
we shall see the sky sparkling
with diamonds.**

Anton Pavlovich Chekhov

When I joined the Astronomical Society in 1988 the resources of the club astounded me. The deep-sky site had a twenty-four inch reflector, a fourteen-inch computer controlled Schmidt-Cassegrain and a ten-inch dobsonian. What really stunned me was I was actually allowed to use this equipment! I was also surprised that only a handful of club members took advantage on weekends. Hardly anybody was around during

the week. I felt somewhat ambivalent. On the one hand, I was happy to have the scopes to myself. On the other, I felt bad that the other members were missing out on some great fun.

How can we get more people out to Jubilee? Take a clear summer afternoon, add 60 to 80 telephone calls, sprinkle with good food, fold in several telescopes, mix with good friends and ... **Instant Star Party!**

Here is the plan. On a Saturday when the forecast is looking especially good and the moon will not be up, I will contact four or five key people. It will be their responsibility to

bring a main food item (cold cuts, bread, condiments or plates/utensils). The membership roster will be divided between them. They will start a telephone tree to spread the word about the big star party. Each group will supply a different type of food (salads, chips/pretzels, fruit/veggies, dessert). Everybody will bring their own beverage.

Hopefully the prospect of friends, food and a lot of telescopes will encourage a large group to come out and sample the stars. They may even come back on their own.

Mike Frasca

From Starlites past - 50 years ago...

SPECIAL FEATURE-by Herb Sandstrom on Sunspots

The day to day observation of sunspots is fascinating, made more so if one is consistent at it over long periods. For then one can detect the motions of the sun, its rotation and the shifting of the poles. It is a challenge to record what one sees. Locating sunspots by solar latitude and longitude on a Stoneyhurst disk for each observing session is ideal, but ordinary plotting on a plain sheet of paper which is located so you can trace the projected image is satisfactory. This



Sunspots

is the safe way to observe the sun and requires a long focus telescope, a projection eyepiece (one not affected too severely by the heat), a fixed projection screen attached to the telescope body, and a means of shading the screen while supporting the whole. Either an equatorial or an altazimuth mount is satisfactory, but a simpler support does as well, particularly if it allows for easy tracing of the projected image.

For a two or three inch objective, try for a six inch diameter disk. The sun's axis slants nearly seven degrees so one must seasonally allow for tilt forward, backward, and sideways. This means the center of the disk will not always be on the solar equator; also the polar axis will not always be vertical. Unless one observes at or near noon, one becomes confused as to orientation of solar N-S and E-W. Watching the image drift will help; also changes in declination setting of the telescope will give clues.

Multiply the number of separate groups by ten and add the total number of spots to get the sunspot number. Compare yours with those published in SKY and TELESCOPE.

More interesting is photography of the sun's features. One can photograph the projected image, a disadvantage being the shaky image. (This shaky image helps one find small, inconspicuous sunspots.) Photography through the telescope requires a number of refinements: camera mounting, focusing arrangement, projection techniques, exposure, filters, etc.. The attached photograph was made January 30, 1968 at 1:30 P.M. CST using

a full aperture solar filter and a 35 mm single-lens reflex camera at prime focus. This gave an image about 3/8 inch diameter on a plus-x film which was exposed at 1/500 th second at f/16. The filter used was a Questar metallic film type offering safety in viewing the sun direct. Welder's lensshade material has also proved effective because of its high density.

The long sunspot group shown is the largest this writer has witnessed in over two years of observing. This giant slash across the disk must be at least 150,000 miles long!

To get started, project the sun's image onto a hand-held white file card. This will give you an idea as to dimensions for your fixed screen and will also let the sunspot-counting bug bite you!

New Members:

The Peoria Astronomical Society welcomes new members:

Lynette Mason - Abingdon, IL

Guanyang Luo - Peoria, IL

Ed Young - East Peoria, IL

2018 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/met2018.html>

Scott

Financial Report of the PAS: Brian Hakes

The following table is an annual comparison of the sources and uses of cash for each of the past two calendar years.

It lists the sources of income and expenses. We have been fortunate as there was one large gift of \$2,177 from Royal Publishing in 2016 and another gift of \$405 from Burkland Distributors in 2017. In 2017 the contributions from the Saturday night observing (the Fish Bowl) was nearly doubled the 2016 amount.

In 2017 the expenses are far greater than 2016. That is largely attributed to costs incurred at Jubilee. This included \$700 for improving the drive up to the warming house and the purchase of a riding mower that cost \$2,200. In 2017 there was also an increase in the membership rate for the Astronomical League which publishes the reflector.

The board of directors has made efforts to reduce costs. This has been the elimination of the safety deposit box, reduction of insurance coverage for selected pieces of equipment and the elimination of the physical mailing of the Starlite. These reductions amount to \$400 - \$500 annually.

We have been fortunate in that the receipts have covered our expenses. However, the Society continues to maintain a balance \$13,569 in a savings account.

Respectfully,

Brian Hakes - Treasurer

**Peoria Astronomical Society
Financial Report**

	Calendar Year	
	2016	2017
INCOME		
Gifts Received	\$ 3,620.56	\$1,421.14
Fish Bowl	370.94	692.47
Dues	2,705.00	2,050.00
Total	\$ 6,696.50	\$4,163.61
EXPENSES		
Insurance	\$ 1,281.00	\$1,231.00
Northmoor Jubilee	151.28	380.99
Jubilee maint	213.81	3,054.44
Jubilee: Utilities	369.66	563.47
Organizations		
Orgs: Academy of Science	320.00	320.00
Orgs: Astronomical League	410.00	485.00
IDA	100.00	0.00
Office & Postage	238.58	19.60
PO Box	102.00	112.00
Safety Deposit Box	70.00	0.00
Programs: Riverfront Museum	490.00	490.00
Starlite	68.00	0.00
Total	\$ 3,814.33	\$6,656.50

June Monthly: Gary Bussman

The planet's:

Saturn, is located in Sagittarius this month.

Mars, will double in brightness thru the month. It will be at its peak in July. It will rise around midnight shining around -2.8 mag by the end of the month.

Venus, is shining at -4.1 mag located in the west, high above the horizon. Very easy to see.

Mercury, will be shining around -0.8 mag in the west after sunset. Best time to look for this innermost planet will be around the 19th, 30 minutes after sunset.

Jupiter, is shining at -2.5 high in the southern sky. Very easy to see.

The constellations:

Cygnus, the swan is the 16th largest constellation in the sky. Most prominent from May thru October. This lies in the Milky Way and it looks like a cross with the bright star Deneb at the top of the cross. Albireo which is probably the best double star in the sky marks the bottom of the cross. Going back to the swan, Deneb would mark the tail of the swan while Albireo marking the head of the swan. Two ways to look at it. Deneb is the 14th brightest star in the sky marks the northeast corner of the Summer Triangle.

Lyra, the lyre is the 52nd largest constellation in the sky. Most prominent from May thru September. Vega, the 3rd brightest star in the sky marks the northwest corner of the Summer Triangle. This constellation has the famous "double/double multiple star. In a telescope the 2 stars will split up into 4 stars. Great visual. It also has the "ring nebula" which looks like a smoke ring in the telescope. The Milky Way pass through the southeast corner of the constellation.

Aquila, the eagle is the 22nd largest constellation in the sky. Most prominent from June thru October. Altair is the 17th brightest star in the sky and marks the southern point of the Summer Triangle.

Hercules, the hero and also known as the hunter is the 5th largest constellation in the sky. Most prominent from May thru October. the most unique group of stars form the keystone in the center of the constellation. This constellation also has the best globular star cluster in the northern hemisphere, M13. When looking thru a telescope, this cluster can be resolved seeing individual stars when using higher magnification.

Draco, the dragon is the 8th largest constellation in the sky. Most prominent from April thru August but also up all year round since this is a circumpolar constellation.

Ophiuchus, the serpent holder, is the 11th largest constellation in the sky. Most prominent from May thru September. This is the only constellation that crosses the ecliptic but not part of the zodiac. This constellation also has many globular star clusters.

Observing at Jubilee Observatory: third quarter moon is June 8/9 and new moon is June 15/16. These are the best weekends to go out to observe. For those of you interested in going, communicate thru the e-group to see if anyone is going out. This Friday is supposed to be clear and the moon will rise just after 11pm. I may be going out this Friday. Anyone else interested, communicate thru the e-group.

There may be a ICC star party on July 6/7 with the rain date of 13/14. More info will follow.

Clear Sky's, Gary Bussman

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.

Academy of Science Scholarships

The Peoria Academy of Science Memorial Scholarship Fund annually awards a scholarship to a student from the Tri-County Area who is a member of one of the Academy Sections or a physical science major at Bradley University, Eureka College, or Illinois Central College.

The Peoria Academy of Science Memorial Scholarship Fund was established in 1964 by Ervin and Martha Jackson as a living memorial for their son, Donald Jackson, an astronomy major at the University of Illinois, who died in an automobile accident that year. The Jacksons' contributions in memory of their son and other contributions in memory of other Academy of Science members are invested and the dividends are used for an annual scholarship award. Since inception in 1964, Memorial contributions have been made in memory of over thirty persons and the size of the award has grown from the first award of \$75 to the present award of \$1000.

Application forms are made available in mid-January of each year through the department heads at the three local Colleges and the chairs of the various Sections of the Peoria Academy of Science, and are to be submitted by the end of February. The applications are examined by a committee of five, and they decide which, if any, of the applicants is qualified to receive the award, based on the applicant's scholarship, Academy participation, school and civic activities, and character references. The amount of the award is set by the Board of the Academy of Science based on the income of the Memorial Scholarship Fund in the previous year.

Donations to honor any Academy member may be sent to Mr. Mark Wright, Treasurer, Peoria Academy of Science, P O Box 3412, Peoria IL 61612-3412, or to Richard L. Barthel, Secretary, PASC Memorial Scholarship Fund, 6501 N. Greenmont Rd., Peoria IL 61614. Since the Academy is a 501(c)(3) organization, any donations will be tax deductible for the donor to the fullest extent of the law. All donations received will be invested with the Peoria Academy of Science Memorial Scholarship Funds at the Community Foundation of Central Illinois, and only the income from the Fund will be used for scholarship awards.

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.

Photos from May 4th ICC Star Party!

I wanted to thank everyone once again for coming out to the ICC star party. We had a total of 37 students, family, and friends who attended. Everyone had a great time. If only those pesky clouds didn't show up for a while. It was still a good night. Thanks again.

Jeffrey Constable
Meteorology/Astronomy Professor
Illinois Central College
Office: 317A
(309) 694-5218
jconstable@icc.edu

Photos complements of: **Charity Monroe**























SUBJECT: A special video invitation from Dave Falkner, ALCon 2018 Co-Chair
TO: Peoria Astronomical Society ALCor

Greetings,

We'd appreciate you taking a few minutes at your next meeting to play this video (link below) for your members and/or provide the link for them to view at their convenience.

https://drive.google.com/open?id=1K0S7_hIgw2_lSr1qGfTCXkdNBjYJuaqr

The Minnesota Astronomical Society (MAS) is excited to host the Astronomical League's 2018 annual convention in Minneapolis-St. Paul next July 11th -14th.

This brief video was shot on location at our club's well-equipped Eagle Lake Observatory, where we'll hold nightly star parties during ALCon 2018. Co-Chair Dave Falkner tells you about some of the events and activities already planned, as well as several of the featured guest speakers. You'll also enjoy his tour showing the great equipment and facilities available to you at our observatory site.

We're excited for the opportunity to host this popular event and hope you and your family will join us next summer. And watch for video updates in the months to come.

Thanks and Clear skies!

Bob Kerr,

Minnesota Astronomical Society Publicity Chair

& Astronomical League Observing Programs Coordinator

Note: Cancellations and refunds are subject to a \$25 processing fee up until June 30th, 2018. After June 30th 2018, there are **no cancellations and no refunds.**

<https://alcon2018.astroleague.org/>



SUBJECT: Your ALCon 2018 video update from Dave Falkner, Co-Chair

TO: Peoria Astronomical Society ALCor

Greetings,

Here's your new video from the Minnesota Astronomical Society about the upcoming Astronomical League annual convention, ALCon 2018, to be held in Minneapolis-St. Paul this July 11th through the 14th.

https://drive.google.com/open?id=1jbZiQ4oFD0P2hQwbonUc_ousPfRvpLmq

We'd appreciate you taking a few minutes at your next meeting to play this brief video for your members (link below) and/or provide the link for them to view at their convenience. Thank you!

Among other features, this new video announces that registration is now open and shows you options for convenient sign up.

Co-Chair Dave Falkner discusses the excellent speakers and their topics, exciting field trips, nightly star parties at Eagle Lake Observatory, and events such as the popular Friday Star-B-Q and the Saturday evening Awards Banquet. To help you plan your visit, we've also included a wide variety of area activities your family will enjoy.

The Minnesota Astronomical Society is looking forward to welcoming you to ALCon 2018 in Minneapolis-St. Paul July 11th through the 14th.

Thanks and Clear skies!

Bob Kerr

ALCon 2018 Publicity Chair

& Astronomical League Observing Programs Coordinator

<https://alcon2018.astroleague.org/>



Missing it would be like missing a great Aurora!

ALCon 2018 Minneapolis

Presented by



Minnesota Astronomical Society



July 11 – 14, 2018

**Minnesota Astronomical Society
And Your Astronomical League**

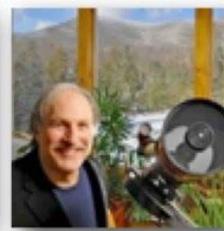
Hilton, Mall of America



Dr. Pamela Gay
Astronomer, writer, and podcaster. She is the Director of CosmoQuest, Director of Technology and Citizen Science for the Astronomical Society of the Pacific.



Dr. Phil Plait
a.k.a. the "Bad Astronomer" is an astronomer, writer, and blogger.



Bob Berman
Astronomer, author and "Strange Universe" columnist for Astronomy Magazine.

Eagle Lake Observatory



Workshops...

- Dan Joyce: Mirror making.
- David Proper, ASP: Astronomy Outreach Resource.
- Bob Morrow, of Bob's Knobs: Telescope Collimation

ALCon activities...

- Twenty engaging speakers!
- See Mars at its closest apparition since 2003!
- Friday night Star-BQ at the Eagle Lake Observatory.
- Special presentation by Pránvera Hygensi.
- Saturday night Awards Banquet with keynote speaker Pamela Gay.
- Tours for observing at the MAS Eagle Lake Observatory
- And, of course, Door Prizes!
- Rub shoulders with, among others, research astronomers, authors, and amateurs from across the country.

Field Trips...

- MAS Joseph J. Casby Observatory
- Science Museum of Minnesota
- MAS Eagle Lake Observatory
- Bell Museum and Planetarium
- John T. Tate Hall Observatory
- MAS Cherry Grove Observatory
- The Baaken Museum

ALCon2018.astroleague.org

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 **Spring 2018** 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

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>

Program Schedule for 2018-2019: Sheldon Schafer

**date confirmed and/or requested

*speaker confirmed, date tentative, TBD

- June, 2018 No meeting, will be replaced by a star party on 3rd qtr / new moon weekend.
- July, 2018 No meeting, will be replaced by a star party on 3rd qtr / new moon weekend.
- August, 2018 No meeting, will be replaced by a star party on 3rd qtr / new moon weekend.
- September, 2018 September meeting will be the Annual Banquet, date/location TBD.. stay tuned..

October 3, 2018 Astronomy Prof Nathalie Haurberg, PhD – professor of astronomy from Knox College.
Topic – Spectroscopy (confirmed)

309.341.7629 (college), 812.606.5181 (c) , nhaurber@knox.edu

Her general interest is in studying the formation and evolution of galaxies beyond the Milky Way Galaxy, specifically focused on dwarf galaxies which are the lowest-mass galaxies in the local Universe. These galaxies provide a unique window into understanding the earliest galaxies in the Universe as well as providing crucial insight into how galaxies have evolved over time. Her most recent work has been with the SHIELD project which is a multi-wavelength study of very intriguing subset of lowest-mass star-forming galaxies. Her primary focus is on determining the chemical abundances of star-forming regions in these galaxies through the use of long-slit spectroscopy and using that to aid in our understanding of their star-formation histories.

Years at Knox: 2013 to present

Education

Ph.D., Astronomy and Physics, 2013, Indiana University.

M.A., Astronomy, 2008, Indiana University.

B.A., Physics, cum laude, 2006, Knox College.

Teaching Interests

Astronomy, The Search for Extraterrestrial Life, Introductory Physics, Optics, Observational Astronomy, Stellar and Extragalactic Astrophysics

- November 7, 2018 Astro Jeopardy
 Gene Hodel
- December 5, 2018 Cellphone and Webcam Astrophotography
 John Crighton
- January 2, 2019 Full Dome Show

- February 6, 2019 Dr. Walter Kiefer
Lunar & Planetary Institute Senior Staff Scientist
“Mars: The Inside Story” - What we know about the interior of Mars and how the InSight mission will contribute to that knowledge.
- March 6, 2019 NASA or LPI Speaker TBD
- April 3, 2019 All Member show (Astronomical Software or Best of You Tube)
- May 1, 2019 The 2019, 2020, & 2024 Total Eclipses
Sheldon Schafer

Hazardous weather notice: Monitor email (e-group), local radio stations or PAS Facebook Page if a program, 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.

2018 Northmoor Hosting Schedule

Updated: 2/21/2018

5-May	12-May	19-May	26-May
	Brian Hakes Nick Johnson	Jon Crow John Lyle Sheldon Schafer	Brandt Bechtold Gerald Horst Elias Samaha

2-Jun	9-Jun	16-Jun	23-Jun	30-Jun
Jesse Hoover Tatiana Johnson Sheldon Schafer	Jon Wrigley Josh Wrigley Steve Wrigley	Terry Beachler Brian Bill Dan Son	Brian Austin Bill Cole Bob Pauer	Jon Wrigley Josh Wrigley Steve Wrigley

7-Jul	14-Jul	21-Jul	28-Jul
Phil Burroughs Gerald Horst Elias Samaha	Dave Grebner Rodney Nordstrom Dan Son	Brian Bill Bill Cole Tatiana Johnson	Brian Austin Terry Beachler Bob Pauer

4-Aug	11-Aug	18-Aug	25-Aug
Phil Burroughs Nick Johnson John Lyle	Jon Crow Dave Grebner Brian Hakes	Bill Cole Tatiana Johnson Rodney Nordstrom	Jesse Hoover John Lyle Sheldon Schafer

1-Sep	8-Sep	15-Sep	22-Sep	29-Sep
Brian Austin Terry Beachler Elias Samaha	Brandt Bechtold Brian Hakes Dan Son	Bill Cole Jon Crow Sheldon Schafer	Jon Wrigley Josh Wrigley Steve Wrigley	Phil Burroughs Nick Johnson Rodney Nordstrom

6-Oct	13-Oct	20-Oct	27-Oct
Brandt Bechtold Brian Bill Gerald Horst	Dave Grebner Jesse Hoover Bob Pauer		

Lead host in **Bold**

2018 Jubilee Maintenance Schedule

March 31th Work Day

To be announced

April 7 Nick Johnson Mark Richmond	April 14 Jesse Hoover Brandt Bechtold	April 21 Scott Sword Calene Fleming	April 28 Dan Son Gerry Horst
May 5 Brian Hakes Cliff Jeske	May 12 Bob Pauer Larry Russell	May 19 Gary Bussman Dave Grebner	May 26 Brian Bill Steve Russell
June 2 Eric Clifton Jon Crow	June 9 Bob Pauer Greg Neaveill	June 16 Nick Johnson Mark Richmond	June 23 Jesse Hoover Brandt Bechtold
July 7 Scott Sword Calene Fleming	July 14 Dan Son Gary Horst	July 21 Brian Hakes Cliff Jeske	July 28 Gary Bussman Dave Grebner
Aug 4 Bob Pauer Larry Russell	Aug 11 Brian Bill Steve Russell	Aug 18 Eric Clifton Jon Crow	Aug 25 Nick Johnson Mark Richmond
Sept 1 Bob Pauer Greg Neaveill	Sept 8 Jesse Hoover Brandt Bechtold	Sept 15 Scott Sword Calene Fleming	Sept 22 Dan Son Gerry Horst
Sept 29 Brian Hakes Cliff Jeske	Oct 6 Brian Bill Dave Grebner	Oct 13 Gary Bussman Steve Russell	

Responsibilities: Check each building to insure 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

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

March:

Minutes called to order at 7:35 pm, Proctor Place Third Floor Conference Room, March 21, 2018

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

Minutes: (Phil Burroughs) The minutes of the February meeting were accepted as corrected.

Treasurer's Report: (Brian Hakes) – Receipts for January were \$ 1150.00 and disbursements were \$ 65.78 for February 2018. Sixteen members still need to pay. Brian checked with Hediger and Meyers, Peoria Academy of Science's insurance carrier, to see whether they could also insure PAS on the same policy. They said that policy is event oriented, mainly 2 banquets per year. They recommended we continue with our own policy since ours covers more items.

Jubilee: (Bob Pauer) – Eric made the motion and Dave seconded it to donate the old mower to charity. Motion passed. ICC Star Party dates are 4/6, 4/7, 4/13, 4/14, 5/4, and 5/5. Eric said an OLLI study from last Fall wants to tour Jubilee. He sent them invitations. Eric needs to move the ICC scope out of his mother's house. The scope was to move to Nick Johnson's garage but this is no longer available. Discussion followed and it was thought the scope could be stored and setup for testing at either Northmoor or Jubilee.

Northmoor: – Nick has gotten E-mails from an Islamic group that would like to tour Northmoor and another from a guy from Joliet who wants to propose to his girlfriend there. A STEM group would also like to tour Northmoor April 14. Training for Northmoor and Jubilee needs to take place in the future.

Inventory (Bob Pauer) – None

Nominating: (Tatiana Johnson) – Tatiana would like to know the existing officer's plans for next year.

Legal Agent: (Dave Monroe) – None.

Membership: (Eric Clifton) – None

Starlite (Jesse Hoover) – Articles for the Summer Starlite are due in May. Brian needs to check whether he has any 1993 or 1994 Starlites.

Program: (Sheldon Schafer). Sheldon sent out an Email with the future programs

Peoria Academy of Science: (Bill Cole) – Annual banquet is at Barrack's Cater Inn April 13.

Light Control: (Jesse Hoover) – None.

Observing Report: (Gary Bussman) – None.

Website: (Stan Pope) – Stan Pope has some medical issues. Jesse is able to get into website so Emails to Northmoor can be received by him or Dan Son.

Old Business: -None.

New Business: - None

Meeting adjourned at 9:00 pm. Minutes taken by Phil Burroughs, PAS Secretary

April:

Peoria Astronomical Society April 2018 Minutes

Meeting called to order at 7:40 pm, Proctor Place Third Floor Conference Room, April 18, 2018

Attendees: Dan Son, Brian Hakes, Bill Cole, Phil Burroughs,

Minutes: (Phil Burroughs) The minutes of the March meeting were accepted as corrected.

Treasurer's Report: (Brian Hakes) – Receipts were \$ 1099.40 and disbursements were \$ 571.34 for March 2018. The club has one new member. Nick Johnson Memorial Gifts are \$ 600. I-Power gift was \$ 179.40. Flowers for 2 deaths cost \$ 235. Brian is going to investigate buying CDs for better interest rates. Ten members still have not paid their dues.

Jubilee: (Bob Pauer) – None

Northmoor: Brian did some cleaning at Northmoor. A white board needs to be hung. A chairman is needed for Northmoor. Bill has Treasure Hunt booklets.

Inventory (Bob Pauer) – None

Nominating: (Tatiana Johnson) – None

Legal Agent: (Dave Monroe) – None

Membership: (Eric Clifton) – None

Starlite (Jesse Hoover) – None

Program: (Sheldon Schafer). Sheldon has sent out the 3rd draft of future programs.

Peoria Academy of Science: (Bill Cole) – Annual banquet was at Barrack's Cater Inn April 13. Six PAS members attended.

Light Control: (Jesse Hoover) – None.

Observing Report: (Gary Bussman) – Gary has sent out the report by Email.

Website: (Stan Pope) – Dan is going to contact Stan Pope about some website material.

Old Business: - Brian was going to contact a possible speaker from U of I at Springfield for the PAS Banquet, but that person has moved and is no longer available.

New Business: - There was a discussion on where to have the banquet and dates for it. Dan is going to contact Cyd's at Northmoor as a possible banquet site. "See the Moon" in September sponsored by Peoria Public Library at Northmoor needs a PAS contact person.

Meeting adjourned at 8:30 pm. Minutes taken by Phil Burroughs, PAS Secretary

May:

Peoria Astronomical Society May 2018 Minutes

Meeting called to order at 7:40 pm, Proctor Place Third Floor Conference Room, May 16, 2018

Attendees: Dan Son, Brian Hakes, Bill Cole, Phil Burroughs, Dave Monroe, Eric Clifton

Minutes: (Phil Burroughs) The minutes of the April meeting were accepted as corrected.

Treasurer's Report: (Brian Hakes) – Receipts for April 2018 were for Nick Johnson Memorial of \$ 425 and disbursements were \$ 175.13. Checking balance at the end of April was \$4,260.15. Busey Bank has replaced Southside Bank as our banker. Busey Bank no longer has the type of checking account which we now have. Brian recommended we go to Community Promise Checking Account. Dave made the motion to transfer our checking account funds to Busey Bank's Community Promise Checking. Eric seconded the motion and it passed. Dave made the motion to close out our savings account and transfer that money to a new Busey Bank Money Market Account. Eric seconded the motion and it passed. Brian recommended removing 9 non-dues paying members from the roster. Dave seconded the motion and it passed. Eric gave Brian additional Nick Johnson donations.

Jubilee: (Bob Pauer) – Mowing has started. ICC star party took place May 4 with 40 – 45 people attending. Eric has attended Friends of Jubilee meetings. Dave and Eric are working on the 14" ICC scope.

Northmoor: Northmoor is up and running. Brian did some cleaning at Northmoor. Eric has talked to a guy from Joliet who wants to propose to his girlfriend at Northmoor. Dan is going to call Steve Wrigley to see if he would act as Northmoor Observatory Coordinator. Dan will hang information on the Science Treasure Hunt questions. Dan suggested replacing 3 light boxes with a laptop computer and monitor. Eric suggested adding a timer to the scope drive motor.

Inventory (Bob Pauer) – None

Nominating: (Tatiana Johnson) – None

Legal Agent: (Dave Monroe) – None

Membership: (Eric Clifton) – The club has two new members: Guanyang Luo and Lynette Mason

Starlite (Jesse Hoover) – None

Program: (Sheldon Schafer). Sheldon has sent out the schedule of future programs.

Peoria Academy of Science: (Bill Cole) – None.

Light Control: (Jesse Hoover) – None.

Observing Report: (Gary Bussman) – Gary has sent out the report by Email.

Website: (Stan Pope) – None.

Old Business: - Peoria Public Library "See the Moon Night" is August 18. Dan called Cyd's about hosting the PAS Banquet. Emily Cotton is checking whether Cyd's could host banquet and will get back to him.

New Business: - None.

Meeting adjourned at 8:45 pm. Minutes taken by Phil Burroughs, PAS Secretary