

NOVA



Official Newsletter of the Salt Lake Astronomical Society
Volume 49 Number 2 March - April 2019

Please Welcome The Newest SLAS Members!

Byerly, Max
Cook, Terrence
Edwards, Tate
Fletcher, John

Francis, David
Hanley, David
Hansen, Tonya
Holman, Holly

Jimenez, Angela
Jones, Heather
Martinez, Mike
Meier, Ethan

Milligan, Michael
Smith, Chad
Stone, Brylee
Tarin, Rochelle



Kenneth Porras got this shot of the 20 January 2019 eclipse.

More pictures of January's eclipse by SLAS members



Rob Ratkowski "Selenehelion on Maui"



Ted Stokes



Rebecca Peterson



Jonathan Hanson



Scott Call



Jason Hunter



Sean Breazeal

SLAS Sponsored Eclipse Watch at the Harmons in Taylorsville, Utah



Patrick Wiggins

MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY BOARD MEETING

09 January 2019

Location: Denny's Restaurant, 250 W 500 S, Salt Lake City

Board Members in Attendance: Denise Larsen, Luke Moses, Leslie Fowler, John Johansen and Jim Keane

General Members in Attendance: Patrick Wiggins, Ken Warner, Alpine Stringham, Larry Holmes, Nate Goodman, Joan Carman and future member Terrence Cook

President John Johansen called the meeting to order: 7:00 PM

Secretary/Treasurer's note: We say goodbye to Nate Goodman as a Board Member-at-Large and welcome Luke Moses who will take his place as the new Board Member-at-Large, the new SPOC Star Party Coordinator.

Lunar Eclipse

John checked with Harmons in Taylorsville and they agreed to host it. John will contact the manager as the date gets closer. It will be the night of January 20.

New Jachmann Telescope

Siegfried's son, Rob, is honored that we want to name the new scope after Siegfried and would like to stay included in the process of this newly-donated scope.

Future Speakers

January 16 – Jim Taylor – Apollo moon mapper (from NASA)

February – Paul Ricketts – U of U

March – Stacey Palen – WSU

Star Party Schedule for 2019

John received confirmation from our Harmons Representative that the star party schedule looks good and to inform each Harmons a week in advance so they can prepare. (John is our current contact for Harmons.) Please note that a paper calendar for the 2019 season of star parties was handed out at the meeting.

Terrence Cook

Through his storm chasing he has become a videographer. His focus is research in severe weather. He likes to document it and share with large audiences. By doing this he has had some NASA social events. One of his specialties is educating the public. He finds SLAS to be a fantastic platform to showcase what the rest of the country can do. Between the telescopes and the available outreach we have he finds this an incredible opportunity to share this with the larger audience. He wants to assist us in this area. He has a YouTube page but we can publish his videos on our sites as well. Terrence plans to join the club.

Budget

Jim handed out the new budget. It is divided up into three categories.

The first category is Cash Balance – this was divided into three areas.

1 – income from memberships – all annual bills needs to be paid with this income.

2 – donations – this amount varies and is considered supplemental income

3 – ZAP funds – supplement income, conversation steered in the direction of using this for advertising

The second category is Annual Expenses – these bills will be paid by the membership dues.

The board went down the list of all expenses, discussion was made and board members agreed on the amounts for each item.

The third category is Non-Recurring or "Unique" expenses – these items are paid by donations and ZAP money.

The board went down the list of all expenses, discussion was made and the board members agreed on the amounts for each item.

Some amounts are preliminary, some are set, but the goal is to know about how much to spend for each item and adjust accordingly, being as frugal as possible.

In regards to some items, Jim suggested (and all board members were in agreement) that we should have a board meeting concentrating on 1) making sure our insurance needs are met, 2) taking our advertising to the next level and 3) on the expense of maintaining SPOC with Rodger Fry, Observatory Director, present. (He was absent tonight)

After a short discussion about the Astronomy League dues, Jim suggested we possibly eliminate this fee from the membership dues. Future discussion will be made in the board meeting for February or March. The fee is due by the end of June. The idea is to have members pay for this themselves IF they want to be a member of it. It was decided that Jim will send a SLAS blast to find out members' feelings on this.

John led the board members in voting and all of them voted in the affirmative on the budget in what has been discussed so far. A synopsis of the budget will be available online before the General Meeting next week. As is stated in the club's constitution, a vote of approval for the budget is to take place by all members present at the General Meeting for January 16, 2019.

Officers' Reports

Leslie Fowler – will continue to coordinate with the producers of Random Acts (BYU production). She will also be coordinating with videographer, Terrence Cook (mentioned above).

Denise Larsen – All funds are accounted for and the club is solvent.

Jim Keane – will continue to coordinate with Davis County Summer League on possible future events. He's also received three requests for the next couple weeks for special events and will send out emails as they approach. He mentioned concern that the same people volunteer at our special star parties and he decides how many events we can handle based on how many volunteer. He would like to continue this discussion (getting more members to volunteer) in a board meeting in the near future.

Luke Moses – if you have any SLAS items, please email him so we can better track all of our items. Also he is the new board member in charge of scheduling for SPOC and is very open to ideas on how to best schedule volunteers for running the scopes. He plans on making scheduling available online. Please contact him with any ideas. Also, he's wondering how we can better schedule classes so more members can be instructed on all the scopes. Luke asked Ken if he would help on ideas on how to best advertise this on the website. They will coordinate further on this.

Nate Goodman – reported the solar parties were good and successful last year. He mentioned he would like to get the items we use to advertise the parties from Ken Porras (solar scope manager). He continues to host solar parties during winter every Saturday (weather permitting) at the Utah Museum of Natural History at the U of U.

Patrick Wiggins – suggested we discontinue having members get Sky & Telescope through the club and manage that on their own. It is cheaper that way. Jim motioned for this, Luke seconded the motion and the board voted unanimously in the affirmative.

Ken volunteered to make a link on the website for the different magazines, but Patrick suggested instead he will put it in the weekly News SLAS blasts.

Ken Warner – he has been taking the weekly News that Patrick sends out and posted it on the News Page of our website. This will be available to members only once they have logged on.

Joan Carman – the library loaner scope program is on hold for Davis County Library.

Meeting Adjourned: 9:00 pm

MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY GENERAL MEETING

16 January 2019

Location: Room 103 Calvin Rampton Technology Building at Salt Lake Community College

Attendance: 76

Board Members in Attendance: John Johansen, Leslie Fowler, Denise Larsen, Luke Moses

President John Johansen called the meeting to order: 7:30 pm

He welcomed everyone to the first meeting of the year. He acknowledged the new Board Member-at-Large, Luke Moses. He has taken Nate Goodman's place.

John also announced the 11" Refractor which has just been donated to SPOC. It's official that it will be called the "Siegfried Jachmann Memorial Telescope". The vote to name it this by all members present was unanimous.

John then introduced the speaker for the evening, Jim Taylor. He works for NASA and was the moon mapper during the Apollo years for the moon landing. The presentation was a great way to kick off the 50th anniversary of the moon landing.

Club Business

Due to technical difficulties, John was unable to present the budget in full. He therefore summarized it by breaking down the membership dues, which still remain at \$20.00 a year per household. He presented this for voting by the membership present.

Patrick Wiggins made the first motion and Rodger Fry seconded the motion and all members present were in favor of it.

The star party schedule for 2019 was voted on and all members present were in favor of it. This is available to view right now on the events calendar.

None of the board members had anything to report.

Observatory Director, Rodger Fry, announced that he now has 15,000 brochures made specifically to advertise SPOC. These will be distributed along I-80 at truck stops and other places between Elko, NV, and Evanston, WY.

He also announced that the SPOC Advisory Committee Meeting has been tentatively set for February 6, 2019, at 7:00pm at Denny's.

On the evening of January 20, SLAS will be hosting a lunar eclipse party at the Harmons in Taylorsville at 5600 South and Redwood. This will start around 7:30 pm and go til close to midnight, granted the sky is clear enough.

John also announced upcoming events which can be found on the events calendar on the SLAS website.

Member Tom Sevcik, who works at the Clark Planetarium, announced there is a telescope and accessory sale going on right now until January 31, at the Clark Planetarium. Mention you are a SLAS member and get a discount.

8:35 pm.

MINUTES OF THE SPOC ADVISORY COMMITTEE MEETING

30 January 2019

Location: Denny's Restaurant, 250 W 500 S, Salt Lake City

Attendance: Rodger Fry, Larry Holmes, Bill Kennedy, Jim Keane, Patrick Wiggins, John Johansen, Leslie Fowler and Marlene Eggers

Meeting called to order: 6:00 pm

Advisory Committee Changes

The floor was turned over to Bill Kennedy at his request and he indicated that because of changes that have occurred at SPOC and on-going controversy, he is stepping down from the advisory committee and will not be the instruction coordinator for Ealing.

Prior to the meeting, Nate Goodman indicated that he would like to step down from the advisory committee and give someone else a chance to serve in this capacity. Also, the term of service for Ken Porras has expired. Therefore, the positions vacated by these individuals (Bill Kennedy, Nate Goodman and Ken Porras) required replacements.

A discussion was held and proposed that Leslie Fowler be appointed to the Bill Kennedy vacancy, Tony Lau be appointed to the Nate Goodman vacancy and that Jim Keane's term be extended for three years. The appointment held by Ken Porras will not be filled. The new appointments will be presented to the SLAS board for ratification.

The committee members and their terms were reviewed as follows:

Committee Member	Term Ends
Rodger Fry-Chair	Jan-2021
Rodger Fry-Member	Jan-2021
Stan Eriksen-Member	Jan-2021
Larry Holmes-Member	Dec-2020
Leslie Fowler-Proposed Member	Feb-2022 (To be ratified by the SLAS Board)
Patrick Wiggins-Member	Dec-2020
Jim Keane-Member Renewal	Feb-2021 (To be ratified by the SLAS Board)
John Johansen-President Member	Jan-2020
Tony Lau-Proposed Member	Feb-2022 (To be ratified by the SLAS Board)

SPOC Instructor Coordinators

It was determined that the SPOC instructor Coordinators for the 2019 season will be:

Bogdan	Marlene Egger
Ealing	Jim Keane
Grim	Rodger Fry
Clements	Leslie Fowler

Training will begin in early March (weather permitting) and the priority of training will be as follows:

1. Recertification of instructors
2. Recertification of operators
3. General Training.

SPOC Spring Cleanup

A work party will be held on Saturday April 13, 2019 (weather permitting) starting at 3:00 PM. If this needs to be postponed the alternate date will be Saturday April 27, 2019 at 3:00 PM.

Objectives will be:

- Touch up exterior paint
- Close gap on Wiggins Observatory Dome (stop birds from entering)
- Pull weeds around all buildings
- Trim Hedges
- Replace door stops on Harmons Observatory
- Modify Henchy Holes to be flush with building walls
- Install Bird spikes on roof edges of control room (deterrent to keep kids off roof)
- General House Keeping

Longer-Term SPOC Needs

Larry Holmes to get bid on having the Refractor Dome sand blasted and repainted

Jim Keane will continue working on the upgrade of the computer interface for the Ealing telescope to provide push-too capability. This project is on-going.

Rodger Fry will contact the vendor called "Queen of Wraps" to get a bid on a wrap to be placed on the large door of the Kolob building that will say "Stansbury Park Observatory Complex-Home of the Worlds Largest Amateur Optical Telescope"

Siegfried Jachmann Memorial Telescope

A discussion was held about where to put the newly acquired refractor which is to be named the "Siegfried Jachmann Memorial Telescope". It was determined that it should be mobile and stored in the Kolob Building. Concrete pads and walkways will be poured for its use. The location is to be determined in the future.

The moving of the telescope might include a scope dolly or pallet jack. Bill Kennedy indicated that with the high center of gravity a pallet jack might be unstable. All decisions were deferred until further review can be made after the observatory is opened.

Equipment to be purchased

Four laser pointers
Assorted Eye Pieces

Meeting Adjourned: 7:25 pm

MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY BOARD MEETING

13 February 2019

Location: Denny's Restaurant, 250 W 500 S, Salt Lake City

Board Members in Attendance: John Johansen, Leslie Fowler, Denise Larsen, Luke Moses

General Members in Attendance: Nate Goodman, Tony Sarra, Marlene Egger, Larry Holmes, Patrick Wiggins, Observatory Director, Rodger Fry and Lowell Lyon

President John Johansen called the meeting to order: 7:00 pm

Recent Events

Successful Lunar Eclipse Party at Taylorsville Harmons, around 150 people came.

Future Speakers

February — Paul Ricketts — Humans on Mars

March — Stacey Palen — Polynesian navigation

April — Janie Radebaugh — Antarctica studies on meteorites

Please email John with suggestions for other speakers. Future ideas: JPL and NASA

Report from Rodger Fry

The SPOC Advisory Committee Meeting was successful. One of the main items was the transition of expiring terms on the committee. Therefore, the following items need to be ratified by the Board:

Leslie Fowler will replace Bill Kennedy

Tony Lau will replace Nate Goodman

Jim Keane's term extended another 3 years (through 2021)

Ken Porras' position has expired and will not be filled

The Board voted unanimously in the affirmative on all the above.

SPOC clean-up will be April 13 at 3:00pm. April 27 will be a backup date if there is inclement weather.

The decision on the mobility technique of the Siegfried Jachmann scope will be deferred until it is inspected.

Different mediums of Advertising

2019 Star Party Brochures: 2,500 will be padded and 2,500 will be traditionally printed. Patrick will confirm with Tooele Transcript if these will be a Donation-in-Kind.

Paying for Facebook ads

Banners, posters and sandwich boards at our various events

Print media – taking advantage of free advertising

Local media – Patrick will coordinate with Leslie on this

Selling SLAS items – T-shirts, hats and iron-on badges

Videos with Terrence Cook (new member)

Sending mass emails throughout the U of U, SLCC, various high schools throughout the valley.

Budget

Keep giving away the books? John will find out the price of the books. Consider giving away other items. This will be an ongoing discussion. Print more stickers and buttons and decals.

Astronomical League

Lowell Lyon mentioned all the benefits of the League, which can be found on their website.

The board decided that the League needs more promotion among our members. John will talk with our AL contact, Aleta Cox, and coordinate with her about this.

Everyone agreed that the League needs more recognition at SLAS events so as to get more members involved.

Lowell mention that the AL President, Carroll Lorg, was a speaker at the General Meeting a few years ago. It was suggested that an AL contact be speaker again. This item to be discussed further.

Community and Member Outreach

There was discussion on how often the club should host SLASrofest. One full day in April, beginning of season? Also shorter sessions at the beginning of star parties?

This will receive further consideration.

John talked about morphing SLASrofest into mini sessions at more of our events. Luke suggested we make a list of volunteers for this task.

Officers' Reports

Leslie Fowler – has had no reply from the Random Acts Producers. Will see how that plays out.

Denise Larsen – The club is solvent, all funds accounted for.

Luke Moses – Bought cases for the loaner scopes and is working on a sign-up sheet for SPOC volunteers and will send that out as the season approaches. He wants us to make an effort at the General Meetings to announce that we are looking for help with secondary scope operators. Secondary operators do NOT need to be certified.

Patrick Wiggins – looking for pics of members watching the eclipse and pics of the eclipse.

John Johansen – Nate is no longer an officer but since he hosts the winter solar parties, the board voted to let him remain as an administrator on the website to continue sending his SLAS blasts.

Imaging Session

Tony Sarra announced the next remote imaging session at the U of U will be Friday, March 1, at 6pm. He will mention this at the General Meeting next week and will send SLAS blast as well.

Winter Solar Parties

Nate Goodman announced that there are winter solar parties at the Museum of Natural History at the U of U every Saturday, 12pm-3pm, pending good weather.

These will go till the end of March.

Meeting Adjourned: 8:20 pm

MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY GENERAL MEETING

20 February 2019

Location: Room 103 Calvin Rampton Technology Building at Salt Lake Community College

Attendance: 66

Board Members in Attendance: Denise Larsen, Leslie Fowler, Luke Moses, John Johansen

Meeting called to order: 7:35 pm

John introduced himself and welcomed everyone.

By raise of hands there were several 1st timers and they had heard by Facebook....since John and Leslie are experimenting advertising there.

General Meetings are the 3rd Wednesday of every month.

March - Stacey Palen - Polynesian navigation

March 1 - Remote Imaging Session at the U with Paul Ricketts

University of Utah's Department of Physics and Astronomy professor Paul Ricketts presented "Humans on Mars".

Club Business

Don Colton announced the Bryce Canyon Astronomy Festival, June 26-29, 2019. Key note speaker is Dr. Amber Straughn, Associate Dir of Astrophysics for the Goddard Space Center. It will be on the anniversary of the Apollo mission and other Apollo stuff.

Please contact Don Colton at djcolton@piol.com with any questions or concerns about the festival.

SPOC clean-up Saturday, April 13, 3:00pm. If inclement weather, it will be April 27.

Winter solar parties are being held every Saturday at the U of U's Museum of Natural History from 12-3pm, weather permitting.

Aleta Cox promoted the Astronomical League. The League is a collection of member clubs and societies throughout the nation. The League promotes an interest in amateur astronomy by fostering education, providing incentives for observation and research and assists in communications among the various amateur astronomical societies.

The League's basic goal is to encourage people to get outside and look through telescopes and view the beauty of the heavens. Some of the membership benefits:

1. Quarterly Reflector Magazine - either digital or paper copy or both.
2. The annual convention, this year, will be July 25-29, at the Kennedy Space Center in Florida. There is also a Southern Skies Cruise along with this convention.
3. Observing programs, 64 are offered to provide direction and goals. Certificates are given for completed goals.

For more information, visit www.astroleague.org.

The meeting was adjourned to Village Inn for "Advanced Training" at 9:05 pm.

SLAS Member Information

The SLAS Member Information file is available at <http://slas.us/slasbooks/NEWMEM.PDF>.

Loaner Telescopes For SLAS Members

SLAS has several scopes available for loan to current SLAS members. Check the SLAS website under "[Membership Benefits](#)" for details.

2019 SLAS Board of Directors

President	John Johansen	801.550.0993	jmagic19@comcast.net
Meetings			
Vice President	Leslie Fowler	801.554.5697	2sistersatstudio32@gmail.com
Publicity, PR and Web Content			
Secretary-Treasurer	Denise Larsen	801.913.1622	climberette@yahoo.com
Membership Dues & Renewals			
Board Member at Large	Luke Moses	970.376.2529	luke.moses1@gmail.com
SPOC Star Party Coordinator			
Board Member at Large	Jim Keane	801.942.3516	jimk@sisna.com
School & Special Star Parties			

Appointed Positions

Astronomical League Contact	Aleta Cox	801.966.2636	alc@fredccox.com
Equipment Manager	Luke Moses	970.376.2529	luke.moses1@gmail.com
Historian	Patrick Wiggins	435.882.1209	4099wiggins@gmail.com
NASA Night Sky Ambassador	Ann House	801.671.8447	ann@annhouse.org
Newsletter Editor	Patrick Wiggins	435.882.1209	4099wiggins@gmail.com
Observatory Director	Rodger Fry	801.288.0851	rcfry@comcast.net
Private Star Party Coordinator	Don Colton	801.571.9757	dcoltonsprint@earthlink.net
Solar Scope Manager	Ken Porras	801.210.8427	kennethprsr@gmail.com
Webmaster	Ken Warner		webmaster@slas.us
ZAP Grant Writer	Jim Keane	801.942.3516	jimk@sisna.com

SPOC Advisory Committee

Chair through JAN 2021	Rodger Fry	801.288.0851	rcfry@comcast.net
Member through JAN 2021	Rodger Fry	801.288.0851	rcfry@comcast.net
Member through JAN 2021	Stan Eriksen	801.446.1479	staneriksen@icloud.com
Member through DEC 2020	Larry Holmes	801.467.7855	larry@kijoda.com
Member through FEB 2022	Leslie Fowler	801.554.5697	2sistersatstudio32@gmail.com
Member through DEC 2020	Patrick Wiggins	435.882.1209	4099wiggins@gmail.com
Member through JAN 2021	Jim Keane	801.913.7372	jimk@sisna.com
Member while SLAS President	John Johansen	801.550.0993	jmagic19@comcast.net
Member through FEB 2022	Tony Lau	801.910.2170	tony@waymega.com
Member as Obser. Dir. Emeritus	Bruce Grim	435.882.5237	bmargrim@msn.com
Member while Harmons Rep.	Vacant		

SPOC Telescope Instruction Coordinators

Refractor	Marlene Egger	801.557.4549	marleneegger@ymail.com
Ealing	Jim Keane	801.913.7372	jimk@sisna.com
Grim	Rodger Fry	801.288.0851	rcfry@comcast.net
Clements	Leslie Fowler	801.554.5697	2sistersatstudio32@gmail.com

Events Calendar

March 2019

- 13 Board Meeting at Denny's restaurant, 250 W 500 S, 7:00 pm
- 20 General Meeting at SLCC's Rampton Technology Building, 7:30 pm

April 2019

- 10 Board Meeting at Denny's restaurant, 250 W 500 S, 7:00 pm
- 12 Star Party at Taylorsville Harmons, 5454 S Redwood Rd, dusk to 9:00 pm
- 13 Star party at [SPOC](#), dusk to 9:00 pm
- 17 General Meeting at SLCC's Rampton Technology Building, 7:30 pm
- 20 Sun party 6400 S 1100 W, 9:00 am to noon
- 26 Star party at [Wheeler Farm](#), 6351 S 900 E, dusk to 9:00 pm
- 27 Star party at [SPOC](#), dusk to 9:00 pm

May 2019

- 08 Board Meeting at Denny's restaurant, 250 W 500 S, 7:00 pm
- 10 Star party at Cougar Harmons, 4872 W 6200 S, dusk to 10:00 pm
- 11 Star party at [SPOC](#), dusk to 10:00 pm
- 15 General Meeting at SLCC's Rampton Technology Building, 7:30 pm
- 18 Sun party 6400 S 1100 W, 9:00 am to noon
- 24 Star party at [Wheeler Farm](#), 6351 S 900 E, dusk to 10:00 pm
- 25 Star party at [SPOC](#), dusk to 10:00 pm

View a list of all SLAS events online on the [Events Calendar](#)

Outdoor events are held weather permitting.

NOVA is a publication of the Salt Lake Astronomical Society, a non-profit organization. Nova contains minutes of meetings, Board member names & contact info, activities, reports and special club events. The editor of NOVA is appointed by the SLAS Vice-President. Members are encouraged to contribute content. Current NOVA editor is Patrick Wiggins, 4099wiggins@gmail.com.