

# NOVA



**Official Newsletter of the Salt Lake Astronomical Society**  
**Volume 48 Number 6 November - December 2018**

**Please Welcome The Newest SLAS Members!**

Bresin, Sharon  
Hickman, James  
Lewis, Elizabeth

Nedel, Roger  
Sheen, Lewis  
Stokes, Ted

Sullivan, Brandon  
Walker, Joy  
Webb, Zackary

White, Curtis  
Winwood, Richard



Randal Healey got this shot of the Eagle Nebula from his "Utahopia Observatory" in Kaysville.

## **SOLSTICE PARTY CHANGE OF VENUE**

This year's SLAS December Solstice party had to be moved to the Golden Corral at 3399 West 3500 South in West Valley City. Date and time remain 1 December starting at 6:30 p.m.

## **SEEKING SLAS ASSETS**

SLAS Equipment custodian Luke Moses is putting together a list of all SLAS assets. If you have or know of anything belonging to SLAS please contact Luke at [luke.moses1@gmail.com](mailto:luke.moses1@gmail.com).

## **MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY BOARD MEETING**

12 September 2018

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

Board Members in Attendance: John Johansen, Leslie Fowler, Denise Larsen, Nate Goodman, Jim Keane

General Members in Attendance: Luke Moses, Ken Warner, Patrick Wiggins, Dave Bernson, David Sullivan, Joan Carman and (non-member) Brent Watson

Meeting called to order: 7:00 pm

Budget – President John Johansen started the meeting inquiring about the status of the budget. Jim said he was still working on it.

John gave a review that the visit by Pranvera went very well and he also wanted to thank everyone for the accommodations and hospitality toward her.

Clark Planetarium – two representatives from the Clark Planetarium were at the Wheeler Park star party in August and it went very well. We will continue to coordinate with them on these events.

Joan announced the SLASrofest will be on Saturday, November 10, at the Sandy County Library. This will be an all-day event from 10-5. She will email the agenda to John who will then send it out as a SLAS blast and put it on the website calendar. SLASrofest is focused on helping new members of the club get better acquainted with astronomy, but please note that ANY member is welcome to come.

Solstice Party – John will double check with Golden Corral on the reservations. This party takes the place of the General Meeting in December.

Elections – after a long discussion, Nate motioned that all interested candidates will be “write-ins” since candidates were not mentioned in the August General Meeting. Nate motioned this and Jim seconded the motion and the vote was unanimous by the board. Jim suggested that John send a SLAS blast informing members that it will be a “write-in” election.

### **Upcoming General Meetings**

Joan Carman will be the speaker for September 19.

Jonathan Barnes will be the speaker for October 17.

### **Officers' Reports:**

John mentioned that the group Utah Backcountry Pilots has contacted him for possible star parties. He handed this over to Jim Keane, who is in charge of the special and school star parties.

Vice President Leslie Fowler had no matters to discuss.

Secretary/Treasurer Denise Larsen had no matters to discuss. Editor's note: the club remains solvent, for which all funds are accounted.

Board Member-at-Large Jim Keane mentioned the upcoming special and school star parties. He has sent SLAS blasts announcing these parties and will continue to send emails as each event approaches.

He also mentioned that he sent an email to all members asking for ideas about how to make the club more fun and educational. He noted that he has received many replies and all are good ideas. He mentioned that some ideas involved doing different activities at SPOC during the star parties.

He also mentioned that in his interaction with others at the various star parties (in Tooele), most don't know that our observatory is an observatory and that we need to do some concentrated advertising in this county.

Jim finished with suggesting that the board make the Equipment Manager not just manager over the telescopes available for loan, but to track all banners, posters, signs, etc. Jim made the first motion and John made the second motion. The board vote was unanimous in the affirmative.

Board Member-at-Large Nate Goodman mentioned that he gets scope positions filled at SPOC. The club will be having its last Winchester Park solar party on September 22.

Observatory Director, Rodger Fry, was absent.

Luke Moses is the equipment manager and reported that out of 10 scopes, four are loaned out.

Patrick Wiggins mentioned the "Clear Sky Chart" needs to be paid. This is an annual sponsorship fee which keeps the Clear Sky Chart on the club's website. Denise noted that she paid the \$50.

He mentioned that NASA will be having the InSight Lander landing on Monday, November 26. Would SLAS like to be involved with this? Conversation to be continued.

Ken Warner, the webmaster, will put the names of those interested in running on the website. He will also put links that connect to the candidates' blurbs.

Old Business

John mentioned that those involved will work to improve the website during the off season (winter).

The club's intern, Addie Wilkerson, worked out nicely according to Enid.

We have 20 copies of the book "The Stars" and 12 of "Nightwatch". This can also be found on the "business" section of the club's website. In talking about the book drawings, Patrick started a discussion about giving away the books vs other items or if we should do drawings at all. This conversation will be continued.

Meeting Adjourned: 8:25 pm

## **MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY GENERAL MEETING**

19 September 2018

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

Attendance: 22

Board Members in Attendance: Denise Larsen, Leslie Fowler, Jim Keane, John Johansen, Nate Goodman

Meeting called to order: 7:30 pm

John introduced himself as the President of the Society and welcomed everyone. He also introduced the speaker who was SLAS member Joan Carman.

She gave a presentation entitled "From the Other Side of the Fence", how Earth looks from an alien viewpoint.

Club Business ensued:

John announced the following upcoming events:

September 27 is the Monte Vista School star party

September 28 is the SLAS star party at Wheeler Farm

September 29 is the SLAS star party at SPOC

October 5 & 6 is the Heritage Star Festival in Capital Reef. Lori Rome is the contact and her number is (435) 425-4110. Contact her for available campsites and any questions.

October 8 is the Channing Hall Private School star party

October 13 is the star party at SPOC. This is also National Astronomy Day

PLEASE NOTE that all these events can also be found the club's website at [slas.us](http://slas.us).

October 17 will be the next General Meeting and SLCC Professor Jonathan Barnes will be the speaker. He will be talking about different subjects and it is titled, "Multimessenger Astronomy". Should be very intriguing.

SLASrofest will be November 10. This is an all-day seminar on the basics of scopes and astronomy. Contact is Joan Carman. ALL members are encouraged to attend.

The Clark Planetarium and the Gateway have requested us to host a star party on October 13, which does conflict with our SPOC star party. More details to come.

ELECTIONS have officially begun and are found once you log in to the club's website. They will END ONLINE at the BEGINNING of the General Meeting in October. PLEASE NOTE that paper ballots will then be available at the beginning of the General Meeting. All votes will be tallied during the meeting and the 2019 Board of Directors will be announced at the end of this meeting.

John asked for an Election Committee of three non-candidates. Aleta Cox, Cecile Oldham and Tony Sarras volunteered. Marlene Egger will be a stand-by volunteer.

Nate Goodman announced the last summer Sun party will be Saturday, September 22, from 9-noon at Winchester Park. He said the winter Sun parties will start in November. He will send an email as this approaches. The winter sun parties are held at the Museum of Natural History.

Lowell Lyon announced next year's Astronomical League Convention. It will begin in Florida at the Kennedy Space Center and the rest will be on a 3-day Caribbean Cruise. How exciting is that?! Please contact for Lowell for more details.

Seeing as how the astronomy season has only one month left, John wanted to give a big thank you to everyone for making it a great season!

The meeting was adjourned to Village Inn for "Advanced Training" at 8:40 pm.

#### **MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY BOARD MEETING**

10 October 2018

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

Board Members in Attendance: Denise Larsen, Leslie Fowler, Jim Keane, Nate Goodman, John Johansen

General Members in Attendance: Patrick Wiggins, Marlene Egger, Joan Carman, Aleta Cox, Cecile Oldham, Ken Warner, Luke Moses, Observatory Director, Rodger Fry

Meeting called to order: 7:00 pm

Budget – President John Johansen inquired of Jim the status of the newly-modeled budget. Jim declared it's done and will be mailing it out soon. This will be a board meeting agenda item for the remainder of the year.

Upcoming Events – John read off the upcoming events. They are as follows for THIS month:

October 12 – Star Party at Harmon's in Midvale on 7<sup>th</sup> East 7755 South

October 13 – Star Party at our wonderful observatory in Stansbury Park – SPOC

October 13 – Star Party ALSO at Clark Planetarium for Astronomy Day, also to man the SLAS booth. \*volunteers still needed for more scopes

October 16 – Special Star Party at Black Ridge Elementary in Herriman, 14131 Rosecrest Road

October 17 – General Meeting at SLCC, Jonathan Barnes – SLCC Professor – as noted speaker on "Multi-messenger Astronomy" – various topics of Astronomy. Should be excellent!

October 20 – Star Party at SPOC...this is the LAST public star party of the season!

October 25 – Special Star Party for the IDA Conference at Snowbird Cliff Lodge

\*\*Please check the calendar on the SLAS website for more events.

Election – John mentioned that the online voting stops at midnight on Oct 16. He will supply the paper ballots for those who still need to vote at the General Meeting. Votes will be tallied by the Election Committee comprised of Aleta Cox, Cecile Oldham and Tony Sarra, with Marlene Egger as a back-up. Please note that you must have current membership with the club to vote.

#### Officers' Reports:

President John Johansen reported that the Clark Planetarium is very happy with our efforts thus far and more events will come. John also mentioned he is trying to get a donation from them for the Solstice Party. Speaking of which, he is trying to get donations from various retailers.

Vice President Leslie Fowler had nothing to report

Secretary/Treasurer Denise Larsen reported that all accounts are solvent.

Board Member-at-Large Jim Keane mentioned the various upcoming special star parties which, some have been mentioned above. He will send out email as each approaches. He also reminded us we need to keep the legal docs on the business page of our website updated. He mentioned a few specific docs, the 990N document, ZAP contract. Denise reported that she has tried several times and has not been able to obtain a copy of the most recent 990 filing.

Jim has also mentioned that we need to get a strategy going for our future goals, including the ideas he received from various members, as well as the budget.

Lastly, he mentioned that ZAP now requires us to journalize the money we use and report that at the end of the year.

Board Member-at-Large Nate Goodman reported that they had two good nights at the Heritage Star Festival in Capital Reef. He still needs more volunteers for the upcoming SPOC parties. He will also be sending out emails for the upcoming winter solar parties at the Museum of Natural History at the U of U. John asked Nate to ask the Museum if they could donate for the Solstice Party.

Observatory Director Rodger Fry reported that there will be a work party to winterize SPOC on October 31 at 3pm. He will send an email to this affect.

The SPOC brochure is almost ready for distribution. It is in need of the high resolution picture of SPOC with Milky Way taken by Alex Benedt. Jim suggested we have coupons on the brochure from local hotels and restaurants as another draw.

Lastly, he emphasized we need to track SLAS items. He particularly mentioned the Coronado. Please email Luke Moses with all SLAS items you have. Patrick will also remind people of this in the NOVA newsletter.

Patrick Wiggins suggested the banner in the Harmons Building needs to be used more. Perhaps taken on members' trips again and photographed in far away locations.

He also mentioned how he'd like to get a speaker from the Jet Propulsion Libraries for the General Meeting. We need to do plenty of advertising for this. This brought up a question about the school star parties in which Jim emphasized he needs more scope volunteers if we are to accept more requests.

Ken Warner reported that online voting has been flawless. At midnight on Oct 16, Ken will print a list of those who have voted, a list of qualified voters and the results so far. He will also be updating the Business page as per Denise's request.

Ken added that PayPal has a new fee, the SSL Certificate fee, which SLAS will have to pay annually to keep notifications from PayPal flowing to our website.

There was no old or new business.

Meeting Adjourned: 8:13 pm

## **MINUTES OF THE SALT LAKE ASTRONOMICAL SOCIETY GENERAL MEETING**

17 October 2018

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

Attendance: 39

Board Members in Attendance: Jim Keane, Denise Larsen, Leslie Fowler, John Johansen and Nate Goodman

Sec/Treas Note: The Election Committee handed out paper ballots prior to the meeting. Voting by paper ballot was taken care of prior to the start of the meeting.

Meeting called to order: 7:30 pm

President John Johansen announced that voting was closed.

He then introduced the speaker, SLCC Professor Jonathan Barnes. His presentation was on Multimessenger Astronomy.

Club Business ensued:

2019 Board of Directors

John turned the time over to the Election Committee. This committee was comprised of Aleta Cox, Cecile Oldham and Tony Sarra. Aleta Cox announced the results of the elections for the 2019 Board of Directors.

President — John Johansen  
Vice President — Leslie Fowler  
Secretary/Treasurer — Denise Larsen  
Board Member-at-Large — Luke Moses  
Board Member-at-Large — Jim Keane

John congratulated the new Board of Directors and gave a BIG thanks to the Election Committee and to Ken Warner, who helped us with the website part of the elections.

Clark Planetarium and Astronomy Day

John reported that we had a booth set up at the planetarium on October 13 for Astronomy Day. John Johansen, Leslie Fowler and Denise Larsen volunteered to man it. The planetarium itself wasn't very busy that day, but we still gave out a handful of brochures. However, the star party that night at the Gateway proved different and there were around 200 guests that showed up to look through the telescopes.



John then announced the upcoming events:

October 20 – last Public Star Party of the season at SPOC

October 25 – School Star Party at Cottonwood High School – contact is Jim Keane

November 10 – SLASrofest – day-long learning event for SLAS members – contact is Joan Carman

December 1 – SLAS Solstice Party at Golden Corral with a CHANGE OF ADDRESS – 3399 West 3500

South....PLEASE MAKE NOTE OF THIS as it has been changed from the Midvale location.

Nate Goodman, who is the only board member leaving the board due to the term limit, gave a big thank you to all SLAS members who volunteered in operating the SPOC telescopes this season. He also wanted to thank all those who supported his efforts at the monthly solar parties. He ended by announcing the upcoming winter solar parties which will start in November or December. These will be every SUNNY Saturday from Noon – 3pm.

John then gave a special thanks to Nate Goodman for his efforts in signing up SLAS members to operate the various SPOC telescopes. Observatory Director, Rodger Fry, also thanked Nate for his efforts.

Rodger Fry, our Observatory Director, thanked everyone who helped keep SPOC looking good and functioning well this past season. He especially wanted to thank Jim Keane for his efforts in improving the Ealing, a project still underway but will be finishing soon.

Rodger also proposed that for the last Saturday of this season, the 27<sup>th</sup>, we should have a MEMBERS ONLY star party AND POTLUCK. The majority voted in the affirmative.

Rodger ended by announcing the fact that Patrick Wiggins has added a history of the construction of the Clements 1.8m telescope and associated Kolob Building to the club's website. Thank you, Patrick, for doing this!

He also wanted to highlight the fact that Patrick has discovered his SIXTH, yes 6<sup>th</sup>, supernova!!! Congratulations, Patrick!

John reminded everyone that if you have any SLAS equipment and that if you haven't already submitted this information to Luke Moses, please do so. He is not only tracking the telescopes available for loan but also any general SLAS equipment.

The meeting was adjourned to Village Inn for "Advanced Training" at 8:13 pm.



**Supernova 2018gwo in NGC 4128. Discovered by Patrick Wiggins on 27 September 2018.**

## 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.

## 2018 SLAS Board of Directors

President	John Johansen	801.550.0993	<a href="mailto:jjmagic19@comcast.net">jjmagic19@comcast.net</a>
Meetings			
Vice President	Leslie Fowler	801.554.5697	<a href="mailto:2sistersatstudio32@gmail.com">2sistersatstudio32@gmail.com</a>
Publicity, PR and Web Content			
Secretary-Treasurer	Denise Larsen	801.913.1622	<a href="mailto:climberette@yahoo.com">climberette@yahoo.com</a>
Membership Dues & Renewals			
Board Member at Large	Nate Goodman	801.277.0193	<a href="mailto:ngoodman6053@gmail.com">ngoodman6053@gmail.com</a>
SPOC Star Party Coordinator			
Board Member at Large	Jim Keane	801.942.3516	<a href="mailto:jimk@sisna.com">jimk@sisna.com</a>
School & Special Star Parties			

## Appointed Positions

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

## SPOC Advisory Committee

Chair through DEC 2018	Rodger Fry	801.288.0851	<a href="mailto:rcfry@comcast.net">rcfry@comcast.net</a>
Member through JAN 2021	Rodger Fry	801.288.0851	<a href="mailto:rcfry@comcast.net">rcfry@comcast.net</a>
Member through JAN 2021	Stan Eriksen	801.446.1479	<a href="mailto:staneriksen@icloud.com">staneriksen@icloud.com</a>
Member through JAN 2021	Bill Kennedy	801.964.6199	<a href="mailto:truss_tube@hotmail.com">truss_tube@hotmail.com</a>
Member through JAN 2021	Nate Goodman	801.277.0193	<a href="mailto:ngoodman@lgcy.com">ngoodman@lgcy.com</a>
Member through DEC 2020	Larry Holmes	801.467.7855	<a href="mailto:larry@kijoda.com">larry@kijoda.com</a>
Member through JAN 2019	Ken Porras	801.210.8427	<a href="mailto:kennethprrs@gmail.com">kennethprrs@gmail.com</a>
Member through JAN 2019	Jim Keane	801.913.7372	<a href="mailto:jimk@sisna.com">jimk@sisna.com</a>
Member through DEC 2020	Patrick Wiggins	435.882.1209	<a href="mailto:4099wiggins@gmail.com">4099wiggins@gmail.com</a>
Member while SLAS President	John Johansen	801.550.0993	<a href="mailto:jjmagic19@comcast.net">jjmagic19@comcast.net</a>
Member as Obser. Dir. Emeritus	Bruce Grim	435.882.5237	<a href="mailto:bmargrim@msn.com">bmargrim@msn.com</a>
Member while Harmons Rep.	Vacant		

## SPOC Telescope Instruction Coordinators

Refractor	Patrick Wiggins	435.882.1209	<a href="mailto:4099wiggins@gmail.com">4099wiggins@gmail.com</a>
Ealing	Bill Kennedy	801.964.6199	<a href="mailto:truss_tube@hotmail.com">truss_tube@hotmail.com</a>
Grim	Rodger Fry	801.288.0851	<a href="mailto:rcfry@comcast.net">rcfry@comcast.net</a>
Clements	Mike Clements	801.557.0187	<a href="mailto:mr70inch@gmail.com">mr70inch@gmail.com</a>



## Events Calendar

### November 2018

14 Board Meeting at Denny's restaurant, 250 W 500 S, 7:00 pm

21 General Meeting at SLCC's Rampton Technology Building, 7:30 pm

### December 2018

01 Annual SLAS solstice party at Golden Corral, 3399 W 3500 S, West Valley City, 6:30 pm

12 Transitional Board Meeting at Denny's restaurant, 250 W 500 S, 7:00 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.