

THE EVENT HORIZON



ST. LOUIS ASTRONOMICAL SOCIETY

Devoted to the Interest and Advancement of the Science of Astronomy

**VOLUME 31, Issue 6
June, 2021**

Mid States Region



China's Exploration of the Moon - The Chang'e Missions

by
**Professor Brad Jolliff
Washington University**

Professor Brad Jolliff of Washington University will be featured at the June meeting of the Saint Louis Astronomical Society. The meeting will be held online via Zoom. The meeting and lecture will begin at 7:30 p.m. on Friday, June 18. Zoom access information is posted on the Society's website, www.slasonline.org and below.

China has launched a very active program to explore the Moon. Professor Jolliff will discuss the lunar exploration program of the Chinese National Space Administration (CNSA). Their program has successfully completed five missions, Chang'e-1 through Chang'e-5. These have featured robotic lunar orbiters, landers, and rovers. Dr. Jolliff will explain what these missions have accomplished and what the plans are for continued

exploration of the Moon, including plans for the first Chinese astronauts on the Moon.

Brad Jolliff is the Scott Rudolph Professor of Earth and Planetary Sciences and the Director of the McDonnell Center for the Space Sciences at Washington University. His current focus is on science and exploration of the Moon. He is a member of NASA's Lunar Reconnaissance Orbiter Cameras science team and he is involved in numerous science and exploration projects related to the Moon.

Upcoming Meetings 2021

July - John Newcomer, Hiking on the Mountains of the Moon SLAS
August - Robert Criss, PhD Galactic Rotation & Dark Matter Washington University
September - Larry Bartoszek, PE The Sloan Digital Sky Survey Telescope
October TBA
November - Voyager speakers
December - TBA

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Joining a Zoom Conference Meeting: Everyone can join! No Computer Required!

Joining us for a Zoom Conference is easy! All you need is any of the following: Computer, desktop or laptop, smartphone, **OR** any regular phone! The meeting will be open from 6:30-11pm. The extra time is to allow socializing before or after the meeting

Below is the invitation to join:
To join Zoom Meeting for SLAS Regular Meeting with computer or smartphone:
Just click the link below:

<https://zoom.us/j/8604505790>

Meeting ID: 860 450 5790

Dial by ANY phone using your location (any phone will work)

+1 312 626 6799 US (Chicago)

SLAS Election Results!

Here are the results from the May elections:

President - Jim Small

Vice President: Bradley R. Waller

Treasurer: Bill Winningham

Secretary: Mark Jones

Hospitality: Larry Campbell

Board Member at Large: Brent Buch

Many thanks to these members who volunteered to help run the St. Louis Astronomical Society for another year! It's a lot of work and their efforts are greatly appreciated!

President's Corner by **Jim Small**

It's been rough at the Small residence. Just personal, but had to deal with gout attacks for about three weeks, so it kind of put me out of commission for a while. Still muddling through it, but hey, it is what it is... Otherwise, I would have been happy to make it to a few of the star parties we've had since we opened back up! Apparently, things were HOPPING Wed night at Francis Park as you can read about with Bill's article on page 3. 200 attendees! It's great to be back in the game again.

We did miss having MSRAL this year again, even though we likely could have held it in a decently safe environment. I made up for that myself by attending the AAS meeting last week. The cost for amateurs is relatively inexpensive for the 3 day intense meeting; only \$149. It was also great to get together at one of the social events for amateurs and discuss what the AAS could do for us, especially in the realm of joint ventures between professional and amateur astronomers. There are some real possibilities there. There are also several speakers for our group from this conference and I already have Bradley working on several of them. You will meet one of the group at Friday's meeting. Emily Rice is the owner of the Astro-fashion site called STARtorialist.com and will show off some of her goods at

our meeting. There will also be an attendance prize of a \$25 gift certificate given away. In other meeting news, ALCON will be free and will be a virtual meeting held this summer.

In lieu of a full meeting for MSRAL, there will be a business meeting on Saturday, June 26 at 10am. The link for the meeting will be sent to members and will be available through the MSRAL.org website.

Several members including myself are thinking seriously about hosting the MSRAL conference for 2022. That will be brought up at the meeting to see if there is interest in the group for hosting the conference. We have not hosted since 2014, so a number of us thought it would be time for us to step up. If we get a good response at the meeting Friday, we will bring it up at the business meeting on the 26th. I am looking forward to the possibilities this conference could offer us, especially with the Jefferson College Observatory coming on line by then. It will be great to show it off at the meeting!

Speaking of JCO, things are moving along nicely, and we are looking to have the dome moved by the end of July and have the observatory operational by then! Can't wait to put that 16" Meade to good use!

We also still have three telescopes for sale that would be great for beginners. All three are 4.5" reflectors, one computerized, two of them Meades.

Outreach Volunteer Hours for Jan-June 1 2021

So far, SLAS volunteers logged 77 hours from Jan 1st to June 1st

Members with 5 or more events for 2021, can qualify for the Night Sky Network pin.

Please go to NSN and make sure your volunteer hours are correct and enter any missed hours.

Check NSN for future opportunities and sign up today.

Thank you to all our volunteers!

Bill Breeden	18 events:	20 hrs
Mark Jones	7 events:	12.5 hrs
Donald Ficken	6 events:	10 hrs
Jeff Carpenter	3 events:	5.5 hrs
John Strebeck	3 events:	4.5 hrs
Cook Feldman	2 events:	5 hrs
Richard Fefferman	2 events:	4 hrs
Brooke Myers	1 events:	2 hrs
Chris Hanson	1 events:	2 hrs
Jeff Kisslinger	1 events:	2 hrs
John Beaury	1 events:	3 hrs
Maryanne Anglionto	1 events:	1.5 hrs
Rita Breeden	1 events:	3 hrs
William Neubert	1 events:	2 hrs

For Sale:

Celestron Ultima 11 (11" Schmidt-Cassegrain, #11050-PEC) purchased about 1995. My son and I used it through 2006 when he finished high school, and I have used it rarely since - probably last time was the Venus transit. It is in excellent condition. If you are interested contact Scott Martin via email at the following address: martsam@sbcglobal.net



Seeking the Dark: Nighttime Beauty, Biology, and Tourism SLAS to exhibit at IDA Missouri Annual Conference in Springfield – October 3-4



INTERNATIONAL DARK-SKY ASSOCIATION
MISSOURI CHAPTER

The St. Louis Astronomical Society will be participating in the first annual conference of the Missouri Chapter of the International Dark Sky Association (IDA). The 1-1/2 day conference is scheduled for Sunday evening, October 3rd and Monday, October 4th and will be hosted by Missouri State University in Springfield, Missouri. ASKC will join more than a dozen exhibitors to host an informational booth at the conference.



Missouri
State

The conference entitled “Seeking the Dark: Nighttime Beauty, Biology, and Tourism” is expected to draw partici-

pants from a wide range of astronomy, conservation, education, and municipal groups. The Executive Director of IDA from Tucson, Arizona will be the keynote speaker. Attendees will hear from more than a dozen expert speakers on the science of light pollution, dark sky partners in conservation, nighttime recreation in dark skies, the International Dark Skies Places Program, and ecotourism with emphasis on the 2023 and 2024 solar eclipses. The newly formed Missouri Eclipse Task Force (www.MissouriEclipse.org) will make a presentation at the conference. A filmmaker from the Astronomical Society of Kansas City will debut an “augmented reality” film made for IDA Missouri that features the Gateway Arch National Park to explain the Bortle Scale.

There will be no cost to participate in the conference with participation available either in-person or via Zoom. In-person attendees can drive to Springfield, Missouri on Sunday, October 3rd with plenty of time to attend the evening program. The conference will end by 5pm on Monday, October 4th allowing travelers to drive back that evening. Discounted rooms rates are available at a local hotel.

To register for the conference and learn more about the list of presenters and exhibitors, please visit www.darkskymissouri.org/conference or email Don Ficken (SLAS member and also President of IDA Missouri) at idamissouri@darksky.org.

Stargazing Returns to Francis Park by Bill Breeden

ST. LOUIS – We last gathered at Francis Park twenty months ago. The COVID-19 pandemic has been difficult and isolating for many of us. Although we have held many events virtually, nothing can replace in-person events! For the first time in nearly two years, members of the St. Louis Astronomical Society set up telescopes at Francis Park to present views of the Moon, Venus and Mars to the public. COVID safety measures were in place: We practiced social distancing, hand sanitizing, and many people wore masks. In addition, many SLAS members, have been fully vaccinated as well.

We had 15 SLAS volunteers last night (June 16, 2021), most of whom brought telescopes. It was quite a scene – we spread out to accommodate social distancing, and there were many different types of telescopes. Dobsonian reflectors (6 to 8 inches), refractors (60mm and up), Schmidt-Cassegrains (8 inches), and at least one Maksutov Cassegrain (5 inches). What a selection of telescopes!



Cook F. shares views of the Moon with visitors using his 8-inch homemade Dobsonian.

This close to the summer solstice means a late sunset, so it is only natural that I packed my white-light solar filter. The sun displayed a nice sunspot just above the center of the disk. This view was quite a treat for our visitors.

(Continued on page 4)



SLAS members setting up equipment for an evening of stargazing at Francis Park

(Continued from page 3)



Bill B. and my Meade 8-inch SCT set up for safe solar viewing.



Rita B. and Carol F. and our Meade 8-inch SCT.

And visitors we had – 200 by my estimate! Lucky for us they did not come all at once, but we had a steady stream of visitors throughout the entire event. Many families attended, wearing masks and practicing social distancing. I had families that were very interested in astronomy and were using star map apps on their cell phones. I even had a request for a double star in Leo (Algieba, or γ Leonis), so I proceeded to point the telescope at it for viewing. What a view! This 2nd-magnitude double is very close, with a separation of just 4.3". Some viewers could split it, while others had a tough time of it.

The main attraction last night was the Moon, six days old and very high up in the sky. The weather cooperated fully with our return to public outreach in the park, with very clear skies, and mild temperatures around 80 degrees.



Visitors enjoy viewing the Moon through my SCT.

Planets visible last night were Venus and Mars. Sadly, neither planet is showing very favorably right now; Venus is nearly full (it looks best as a crescent), and Mars is about as far away from Earth as it gets. Mars is showing a disk just 3.9" in apparent size, compared to 24" when it is at opposition every 26 months. Still, people enjoyed viewing these planets in person at the park, and it sure was nice to be outside observing again!



John B. and his Bushnell Dobsonian telescope preparing to view Venus.



Randy H. and his Celestron SCT.

We had anticipated the possibility of parking problems and running out of space at our observing spot. Fortunately, that did not happen, but we sure filled up our space! With 10 telescopes spread out to accommodate social distancing, our observing spot was indeed filled. Parking turned out to be fine as well. Good weather, good friends, and good observing – what more could we ask for?

Clear Skies,
Bill Breeden

More photos from Francis Park in the gallery on the next page!



Mark Jones obtained these photos at Danville on May 30.

Left is a view of Omega Centauri with a 200mm lens and 30 sec exposure.

Right is Omega Centauri through his 12 in Meade SCT. Also a 30 second exposure



Left is a photo of M64 and M66

Right: is a photo of M51

Mark Jones took both of these photos on May 30 through his 12 in Meade SCT



More photos from Francis Park! Sure is good to be back in outreach events again!

Left: Photos from Randy Harrison

Right: Photos from Bill Winningham



**St. Louis Astronomical Society
Devoted to the Interest and Advancement
of the Science of Astronomy
Executive Board Meeting Minutes 5/6/2021**

1. Opening Activities a. Attendance: Jim Small, Larry Campbell, Bill Winningham, Mark Jones, Bradley Waller, John Newcomer., Brent Buch.

b. Open Meeting 7:04pm
c. Approval of last month's meeting minutes. Minutes were distributed before the meeting. Motion to approved minutes made by Larry C, second by Bill W. Minutes were approved
d. Next Board meeting date: Dates for 2021: Jun 3, Jul 1, Aug 5, Sep 2, Oct 7, Nov 4, Dec 2. Meetings will be via Zoom until further notice:

2. Upcoming General Membership meeting topics: a. Speaker:

b. Special Awards needed: not this month
c. Speaker Press Release: Periodic Table with Astronomy.
d. Special Business needed: none
e. A101: Could ask Grant Martin to present his spectroscope design

3. SLAS Financial Report a. Balance Sheet – as of April 30th assets \$84,000, cash \$68,000

b. Profit/Loss report – YTD \$830 scopes sales, and donations of \$190,
c. Annual Budget meetings – nothing planned until September
d. Corporate filings: Bill W filed 990N
e. Insurance: Bill W renewed the property and liability insurance
f. Other: Bill W wrote check for \$400 for Dark Sky Assn booth, ASEM and ASKC also contributed

4. Speaker Committee a. Budget - \$400. Program events, \$0 spent
b. Upcoming speakers:

SLAS Monthly Meetings -Add a segment for Lookin' Up Optics to the meeting.

Presentations 2021

Month	Name	Topic	Sponsor
21-May-2021	Larry Bartoszek, PE	The Connection Between the Periodic Table and Astronomy	NSS
18-Jun-2021	Brad Jolliff, PhD	China's Exploration of the Moon: The Chang'e Missions	Wash U
16-Jul-2021	John Newcomer	Apollo 15 an Illustrated Mission Review	SLAS
20-Aug-2021	Robert Criss, PhD	Galactic Rotation & Dark Matter	Wash U
17-Sep-2021	Larry Bartoszek, PE	The Sloan Digital Sky Survey Telescope	
15-Oct-2021		TBA	
19-Nov-2021		Voyager speakers	
17-Dec-2021		TBA	

c. Open dates for 2021

d. Topics of interest James Webb Space Telescope, Event Horizon Katie Bouman

e. Stipends

f. Travel

5. Membership Initiatives a. Budget - \$450, spent \$99.66

b. Welcome Aboard Meetings – on hold however we are having monthly member chats using Zoom

c. Raffles – none planned

d. Attendance prizes this month. June solstice prizes include 2 eye-pieces, and subscription to McDonald Observatory Newsletter

6. Membership Recognition

a. Total Budget \$420, \$294 spent plaques and pins

b. NSN Outreach Awards: planned for 1Q each year

c. Membership Report: Attached is the April 2021 membership report showing 213 members, a reduction of three members from last month but still leaving us with a net gain of two members this year. Last year at this time we had 171 members.

d. Member anniversary awards. Planned for 4Q each year

e. New Award program - \$600 budget

1. Special Award Committee report: Chairman – Larry Campbell, Jim Small, Mark Jones, Cook Feldman, Sharon Bertram, Fred Schovanez, Bill Neubert

2. New Award Policy and nomination process – **No changes**

3. Submittal deadlines: Board agreed to extend nomination deadline to June 1st.

4. Nomination reviews: Committee plans to review and make selections by Aug 1st

5. Award selection:

6. Plaques purchased: Design for perpetual plaque is ready to be submitted. Jim expects artwork to be ready to show at May general meeting

7. Awards presented:

7. Outreach -

a. Budget - \$700, spent \$23 for Velcro for signs

b. Member Training Program Status: on hold for the time being.

c. Purchase of T-shirts for volunteers completed training

d. Purchase of lawn signs: completed

e. Upcoming outreach events: Francis Park to resume in-person events, Manchester and Crestwood in-person events; Jefferson College Observatory to start in-person events in May

8. Old Business:

a. Training Program start a committee

9. New Business: None

10. Other Committee Reports: If needed

A. SLSC Business:

a. First Friday actions: none scheduled

b. Other immediate business

B. SLCL Business:

a. Annual contract – on hold due to COVID

b. Upcoming events - at least two June events.

C. Jefferson College Business:

a. Committee Meeting report: Meeting to be held May 19th. Concrete floor and pier have been completed. Waiting for Eagle Scout candidate to receive approval from BS council

b. Upcoming Outreach Event: First in-person event planned for May 9th, with virtual event if cloudy

D. Library Telescope Committee

a. Budget – \$300

b. Upcoming builds or maintenance events

c. Maintenance budget - \$100, spent \$31

d. Mileage re-imburement – see above

e. Promotional materials - \$200, \$0 spent

E. SLAS Social Events

a. Budget - \$300, \$0

b. Homemade Fest - \$100 budget, needs to be re-scheduled

c. Star-B-Q - \$200 budget

Other

F. SLAS Brochures

a. Budget \$200, \$0 spent

b. Quarter cards, none needed at this time

G. Loaner scope Program

a. Budget - \$100, \$0 spent

b. New donations –

c. Replacement Parts for the LPTs -

d. Items for sale 2 - 4.5" Newtonian equatorial telescopes. One Meade, one B&L

H. SLAS Library

a. Budget - \$500, spent \$56

b. Other – Obtained 5 more Great Courses

I. Merchandise – no activity

J. Telescope Making – no activity

K. Newsletter

a. Budget \$600, spent \$780 printer cartridges and included Publisher license, move Publisher expense to Admin budget

L. Website - Add Lookin' Up Optics to the website

a. Budget \$690, spent \$179

M. Social Networking

Private FB page – 69 members

Public FB page – 1480 followers

N. Night Sky Network – no report

O. SLASdialogs – 145 members

P. Dark Site – no report

Q. Observing Programs – no awards received

R. Star Parties Donation: see Treasurer's report

11. Closing Activities Motion to close meeting by Brad W., second by Larry. Meeting adjourned at 8:56pm

St. Louis Astronomical Society Profit & Loss Budget vs. Actual January through May 2021			
	Jan - May 21	Budget	\$ Over Bud...
Ordinary Income/Expense			
Income			
Events Income	980.00		980.00
Magazine Subscription	1,982.75	1,004.25	978.50
Membership Dues	2,215.00	1,825.00	390.00
Total Income	5,177.75	2,829.25	2,348.50
Cost of Goods Sold			
Magazine Subscriptions	1,894.80	970.25	924.55
Merchandise	85.92		
Total COGS	1,980.72	970.25	1,010.47
Gross Profit	3,197.03	1,859.00	1,338.03
Expense			
1-Programs & Events	881.68	1,421.00	(539.32)
2-Newsletter	640.02	355.00	285.02
3-Library expense	366.70	200.00	166.70
5-Loaner Scopes		50.00	(50.00)
6-Brochures		125.00	(125.00)
7-Insurance	1,049.50	1,050.00	(0.50)
8-Website	179.40	690.00	(510.60)
9-Administrative Expen...	287.95	208.00	79.95
Total Expense	3,405.25	4,099.00	(693.75)
Net Ordinary Income	(208.22)	(2,240.00)	2,031.78
Other Income/Expense			
Other Income			
Donations	290.00		290.00
Interest Income	9.40	20.00	(10.60)
LTP Receipts	29.90		29.90
Total Other Income	329.30	20.00	309.30
Other Expense			
LTP Disbursements	31.96		31.96
Total Other Expense	31.96		31.96
Net Other Income	297.34	20.00	277.34
Net Income	89.12	(2,220.00)	2,309.12

St. Louis Astronomical Society Balance Sheet As of May 31, 2021		
	Dec 31, 20	May 31, 21
ASSETS		
Current Assets		
Checking/Savings		
Checking - First Bank	7,587.88	7,013.72
Deposit, Certificate of	15,925.53	15,933.26
Library Telescope Escrow	1,208.41	1,338.31
PayPal	747.44	1,357.34
Savings - First Bank	41,145.74	41,147.41
Total Checking/Savings	66,613.00	66,788.04
Other Current Assets		
Inventory Asset	761.53	675.61
Total Other Current Assets	761.53	675.61
Total Current Assets	67,374.53	67,463.65
Fixed Assets	15,338.00	15,338.00
TOTAL ASSETS	82,710.53	82,799.65
LIABILITIES & EQUITY		
Equity		
Opening Bal Equity	8,497.66	8,497.66
Retained Earnings	72,581.69	74,212.87
Net Income	1,631.18	89.12
Total Equity	82,710.53	82,799.65
TOTAL LIABILITIES & EQUITY	82,710.53	82,799.65

We could use articles for the newsletter. The following topics are fine for submission.

1. Star party reports. Let us know how a star party you attended went! Photos would be most welcome in addition to the article.
2. Observing reports. Actually made it out observing? Let us know how it went. Taken some astro photos? Please submit!
3. Bought something or built something? How about a review or an article!

Send to newsletter@slasonline.org

Upcoming Star Parties and Other Events

For details on these and other upcoming events, check out the Night Sky Network Calendar linked on the Home Page for SLAS at <http://www.slasonline.org>

SLAS Executive Board Meetings Location will be at *Nicoletti's Restaurant in Valley Park* All meetings are on First Thursdays unless noted. **Note: Board meetings will be via Zoom until further notice.**

Jul 1, Aug 5, Sep 2, Oct 7, Nov 4, Dec 2

Dark Sky Observing Dates

Jul ,10 Aug 7, Sep 4, Oct 2, Nov 6, Dec 4

Francis Park Events: These events are on Wednesdays of the week nearest the first quarter Moon

July 14, August 11

Sky Orienteering Events For members who want to gather and do some relaxed observing at Babler State Park

Please RSVP if you plan to come!

SLSC Public Telescope Viewing Events: These events are held the first Friday of the month Planetarium shows start at 7pm

On hold until further notice due to Covid 19

Pattonville Observatory Public Viewing Dates

See you next year! Maybe!

Broemmelsiek Astronomy Park Public Viewing

Every Friday by appt

UMSL Observatory

For directions and map

<http://www.ums.edu/~physics/About%20the%20Department/astro.html>

All sessions include viewing of 1st quarter Moon with additional objects

Skywatch Hotline: 314-516-5706

Saturdays:

LET US KNOW YOU ARE COMING!

To RSVP for any of these events log in to the Night Sky Network and submit your RSVP. If the event is canceled, you will be notified immediately according to the preferences you have selected.

SLAS Events

June

16 Wed
18 Fri
19 Sat
19 Sat
21 Mon
24 Thur

Francis Park Stargazing
SLAS Regular Meeting
Gateway to the Stars
Snores n Smores Kirkwood Park
Constellation Tour 47
SLAS New Member Zoom

July

1 Thur
3 Sat
4 Sun
5 Mon
10 Sat
12 Mon
14 Wed
16 Fri
17 Sat
19 Mon
22 Thur
29 Thur

SLAS Board Meeting
Audubon Center
Aim for the Stars Jefferson College
Constellation Tour
SLAS Dark Sky Observing
Constellation Tour
Francis Park Stargazing
SLAS Regular Meeting
Gateway to the Stars
Constellation Tour
SLAS New Member Zoom
Rock Hill Star Party

August

2 Mon
5 Thur
7 Sat
8 Sun
9 Mon
11 Wed
16 Mon
20 Fri
23 Mon
26 Thur

Constellation Tour
SLAS Board Meeting
SLAS Dark Sky Observing
Aim For the Stars
Constellation Tour
Francis Park
Constellation Tour
SLAS Regular Meeting
Constellation Tour
SLAS New Member Zoom

For other events, watch the calendar on the website. Virtual stargazing events and other online activities will be registered there. We hope you can join us for some of these activities!

SLAS Merchandise Available

SLAS merchandise is now set up for embroidery at **Headz n Threadz** at www.headznthreadz.com

There is now only one location:

1065 Regency Parkway, St. Charles MO 63303

Telephone: 314.528-8100

sales@headznthreadz.com

Simply take the garment, hat, etc you wish to have embroidered and they will take care of it.

They have the SLAS logo on file. You may make modifications to the colors if you wish.



SLAS Logo is also available at www.Infini-tees.com

SLAS MEMBERSHIP APPLICATION

Name: Last _____
 First, Middle Initial _____
 Address _____
 City, State, Zip Code _____
 email address _____



Please send completed form with check (no cash please) made payable to
 St Louis Astronomical Society

Don Ficken, Membership
 13024 Barrett Crossing CT
 St. Louis, MO 63122

Youth @ \$10.00 / 1 year (18 yrs or younger) \$ _____

Individual @ \$25.00 / 1 year \$ _____

Family @ \$40.00/1 year \$ _____

Publications with discount available with your SLAS membership:

Sky and Telescope @ \$43.95 / 1 year \$ _____

(S&T may also be renewed at their website:
<http://www.skyandtelescope.com>)

Astronomy @ \$34.00 / 1 year \$ _____

TOTAL ENCLOSED \$ _____

Check all that apply:

- Renewal
- Address Change Only
- Please send my newsletter by regular mail
- New Member!**

SLAS OFFICERS

President *Jim Small* 314-307-0692
 president at slasonline.org

Vice President *Bradley R Waller* 314-481-7250
 vicepresident at slasonline.org

Secretary *Mark Jones* 636-394-2342
 secretary at slasonline.org

Treasurer *Bill Winningham, (Don Ficken - membership)*
 treasurer at slasonline.org 636-357-2763

Hospitality *Larry Campbell* 636-244-2867
 hospitality at slasonline.org

Board Members at Large:

John Newcomer 314-496-4636
 board22 at slasonline.org

Tom Nickelson 314-346-9565
 board23 at slasonline.org

Brent Buch 314-239-0329
 board24 at slasonline.org

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 (Astronomical League Correspondent)
 treasurer at slasonline.org

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 msral_rep at astroleague.org

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 recognition at slasonline.org

Social Media *Vacant*
'SLASdialogs' Moderator *Mark Jones, Rhonda Whelan*
 dialogsmoderator at yahoo.com

Star Party Coordinator *Bill Breeden* 314-276-3613
 starparty at slasonline.org

Telescope Making *Bill Davis, Jim Melka* 314-469-3061
 telescope at slasonline.org

Webmaster *Jim Small* 314-909-7211
 webmaster at slasonline.org

Devoted to the Interest and Advancement of the Science of Astronomy

ST. LOUIS ASTRONOMICAL SOCIETY

We're on the Web!
<http://www.slasonline.org>

Follow us on
Twitter: @stlastro
Facebook: @stlastro

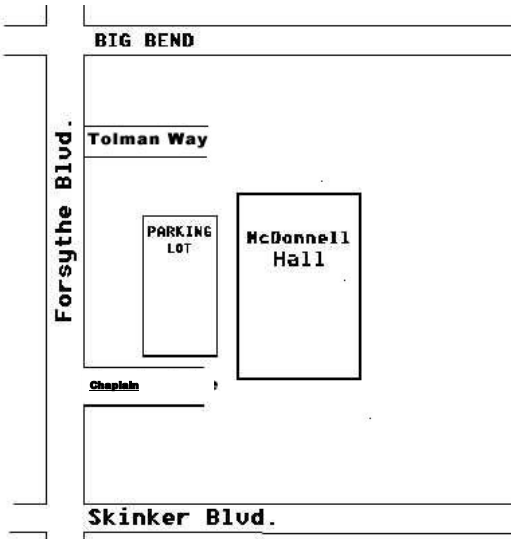


Who We Are and What We Do

St. Louis Astronomical Society is a not-for-profit organization established in 1936. SLAS is devoted to the interest and advancement of the science of astronomy. Our mission is to promote an understanding of the science of astronomy to our members and to the public. Membership is open to anyone with an interest in astronomy.

For more information contact any SLAS officer or visit our website listed above. SLAS is affiliated with the Astronomical League, Night Sky Network and the Mid-States Region of the Astronomical League.

Meetings are held the 3rd Friday of each month at McDonnell Hall at Washington University. See the map to the right for directions.



St. Louis Astronomical Society
Jim Small
13128 Cozyhill Drive
St. Louis, MO 63122

