

THE EVENT HORIZON



ST. LOUIS ASTRONOMICAL SOCIETY

Devoted to the Interest and Advancement of the Science of Astronomy

**VOLUME 31, Issue 5
May, 2021**

Mid States Region



The Connection Between the Periodic Table of the Elements and Astronomy

by
**Larry Bartoszek
Bartoszek Engineering**

Larry Bartoszek of Bartoszek Engineering will be featured at the May 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, May 21. Zoom access information is posted on the Society's website, www.slasonline.org

Most of what is known about the distant Universe comes from decoding the spectrum of starlight. The specific colors present – or missing – in the spectrum of a star reveals the chemical elements present in the star. Mr. Bartoszek will start with a brief history of the Universe to discuss where atoms come from and the forces that hold them together. He will explain how the electron energy shell structure of each type of atom allows the atom to give off a unique pattern of light – its spectrum. The spectrum identifies the element and aids in placing it into the Periodic Table. Mr. Bartoszek will also

talk about how the light from distant stars and galaxies changes as the galaxies move away from us. He will show how spectroscopy of starlight reveals the expansion of the Universe as well as the acceleration of the expansion now thought to be caused by Dark Energy. He will also discuss the work that he did in helping to build the Sloan Digital Sky Survey Telescope (SDSS).

Mr. Bartoszek is an Illinois Licensed Professional Engineer and owner of Bartoszek Engineering. His consulting firm specializes in the design of nuclear and high energy physics facilities, both here and abroad. Mr. Bartoszek worked at the Fermi National Accelerator Laboratory from 1983 to 1993. While there, he was responsible for major equipment designs, including the 4,000 ton hadron calorimeter.

Upcoming Meetings 2021

June - Brad Joliff, PhD, China's Exploration of the Moon: The Chang'e Missions Wash U.

July - John Newcomer, Hiking on the Mountains of the Moon SLAS

August- Robert Criss, PhD Galactic Rotation & Dark Matter Washington University

Inside This Issue

President's	2
Francis Park	3
Finding Virgo	4
Gallery	5
Board Minutes	6
Financials	7
Events	8
Contacts	10

READ ME !!!!!!!

Beginning in June, SLAS will have it's own Zoom account and the link for the meetings will CHANGE! We'll keep you posted for the new ID.

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)

President's Corner by Jim Small

This month has been one of developments, both good and bad.

Good. Found a home for the Monolux 4380 refractor we offered for sale last month. Jeff Carpentier decided to pick it up! Thanks for providing a good home for this pristine scope from back in the day!

Bad. MSRAL has been canceled. Again. COVID policies are continued with the Astronomical League from last year and all league group activities are canceled. This does NOT include local group activities as long as the AL is not named.

Good. SLAS is beginning to have outreach activities again. Be sure to follow the usual COVID guidelines if you are providing a telescope with social distancing and be sure to wear a mask, even if you are fully vaccinated. RSVP if you are interested in attending events to provide telescope viewing. Cell phone display or projections are welcome as alternative viewing techniques! We look forward to your creativity in this area.

Good. The concrete for the pier and dome for the observa-

tory has been poured!!! In addition, the grounds have been filled around the concrete and the land surrounding the dome is sloped so that water will drain away from the dome. Next step? Getting the dome and telescope moved!!

Good. Once the observatory is moved, set up properly and is fully functional, we will begin training operators to use the telescope. This will NOT be random use by anyone in the society. Proper training is REQUIRED to be able to operate the telescope properly and it is likely to be a situation where more than one person will need to be present to operate the observatory. Rules of engagement will be set down in the future. There will be a lot to cover.

Bad. Galaxy observing is going away. Orion and company will set by sunset toward the end of next month.

Good. Sagittarius, Scorpio, the Milky Way and Planetary nebulae are coming!

Good. Weather has been cooperating lately! We had a particularly enjoyable time at Babler Sunday because the temperature was perfect, skies were clear and no wind!

If you haven't gotten a scope out lately, it would be a great time to do it now! Good to get back into practice again.

Clear Skies! jrs

SLAS Elections This Month!

It's that time again! Time to host the SLAS elections during the May meeting! Nominations were held at the April meeting and are still open until the elections. Below are the nominations as listed for the last meeting:

President - Jim Small

Vice President: Bradley R. Waller

Treasurer: Bill Winningham

Secretary: Mark Jones

Hospitality: Larry Campbell

Board Member at Large: Brent Buch

We will vote via private chat in Zoom during the meeting.

We will see you there!

Jim Small

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



Francis Park Stargazing 2021 Schedule · We're Back!

Presented by the St. Louis Astronomical Society



Enjoy Wednesday night stargazing sessions at Francis Park!

All are welcome to join us! Stop by and take a look at the Moon, or bring your observing gear. This event is scheduled near the First Quarter Moon each month. We provide views of craters, mountains, and shadows on the Lunar surface. Members of the St. Louis Astronomical Society also share telescope views of planets when they are visible. You may even be able to see the moons of Jupiter and Saturn, or a distant double star!

Date	Time	Moon Age	Planets we can Observe
Wednesday, June 16	7:00-9:30PM	6 days (first quarter)	Mars.
Wednesday, July 14	7:00-9:30PM	5 days (waxing cres.)	Venus.
Wednesday, August 11	7:00-9:30PM	4 days (waxing cres.)	Venus.
Wednesday, Sept. 15	7:00-9:30PM	9 days (waxing gibb.)	Venus, Jupiter, Saturn.
Wednesday, Oct. 13	7:00-9:30PM	8 days (first quarter)	Venus, Jupiter, Saturn, Neptune.

SAFETY COVID PRACTICES:

Bring masks and hand sanitizer · Practice 6 feet social distancing while waiting in lines · Wear a mask when at a telescope · SLAS provided telescope viewing means that guests and SLAS volunteers will need to touch and look through telescopes. The delicate nature of equipment prevents frequent and aggressive cleaning of these surfaces. Sponsors and guests must recognize the inherent risk of coming into contact with these surfaces. · All guests must wear face masks when within 10 feet of SLAS volunteers. · SLAS volunteers may withhold services if they feel guests are not practicing safe behavior. · Attend this event only if you are comfortable with these practices.

We set up in Francis Park in south St. Louis city, at Tamm Ave. & Itaska St.

Events will be canceled for unfavorable weather or sky conditions.

Visit www.slasonline.org, and click Event Calendar for up-to-date information.

Virgo's Galactic Harvest

by

David Prosper

Night Sky Network

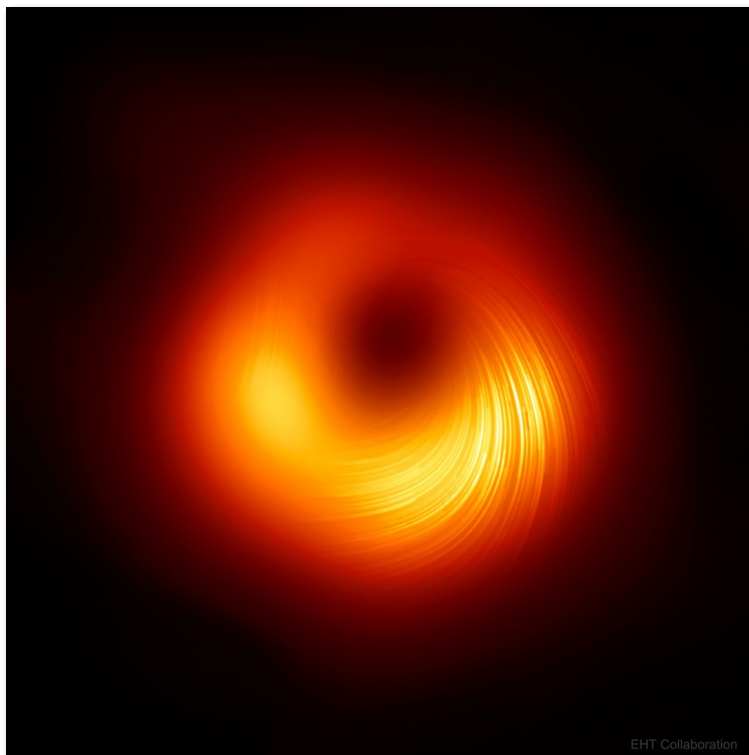
May is a good month for fans of galaxies, since the constellation Virgo is up after sunset and for most of the night, following Leo across the night sky. Featured in some ancient societies as a goddess of agriculture and fertility, Virgo offers a bounty of galaxies as its celestial harvest for curious stargazers and professional astronomers alike.

Virgo is the second-largest constellation and largest in the Zodiac, and easily spotted once you know how to spot Spica, its brightest star. How can you find it? Look to the North and start with the Big Dipper! Follow the general curve of the Dipper's handle away from its "ladle" and towards the bright orange-red star Arcturus, in Boötes – and from there continue straight until you meet the next bright star, Spica! This particular star-hopping trick is summed up by the famous phrase, "arc to Arcturus, and spike to Spica."

This large constellation is home to the Virgo Cluster, a massive group of galaxies. While the individual stars in Virgo are a part of our own galaxy, known as the Milky Way, the Virgo Cluster's members exist far beyond our own galaxy's borders. Teeming with around 2,000 known members, this massive group of galaxies are all gravitationally bound to each other, and are themselves members of the even larger Virgo Supercluster of galaxies, a sort of "super-group" made up of groups of galaxies. Our own Milky Way is a member of the "Local Group" of galaxies, which in turn is also a member of the Virgo Supercluster! In a sense, when we gaze upon the galaxies of the Virgo Cluster, we are looking at some of our most distant cosmic neighbors. At an average distance of over 65 million light years away, the light from these galaxies first started towards our planet when the dinosaurs were enjoying their last moments as Earth's dominant land animals! Dark clear skies and a telescope with a mirror of six inches or more will reveal many of the cluster's brightest and largest members, and it lends itself well to stunning astrophotos.

Virgo is naturally host to numerous studies of galaxies and cosmological research, which have revealed much about the structure of our universe and the evolution of stars and galaxies. The "Universe of Galaxies" activity can help you visualize the scale of the universe, starting with our home in the Milky Way Galaxy before heading out to the Local Group, Virgo Cluster and well beyond! You can find it at bit.ly/universeofgalaxies. You can further explore the science of galaxies across the Universe, along with the latest discoveries and mission news, at nasa.gov.

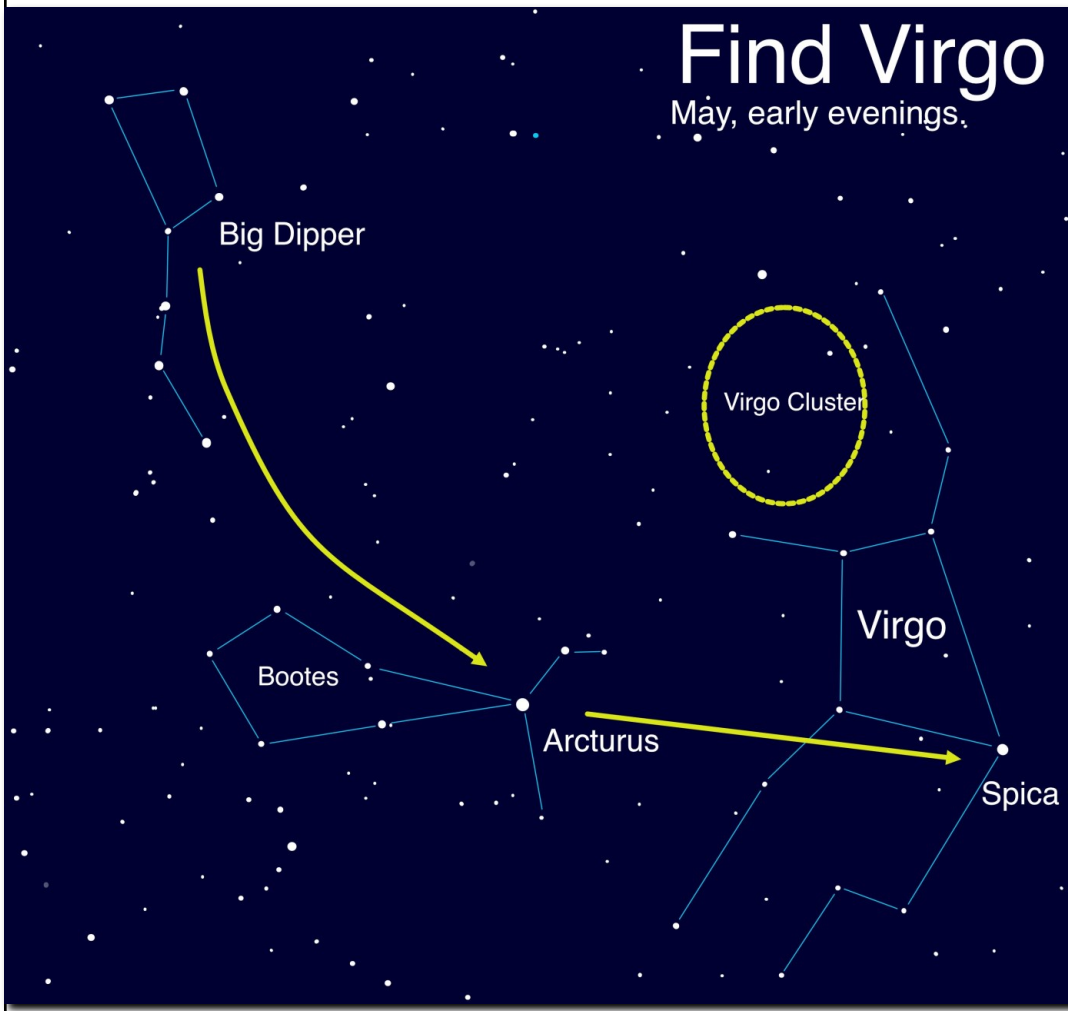
(Continued on page 5)



The first image of a black hole's event horizon was taken in the center of one of the most prominent galaxies in Virgo, M87! This follow up image, created by further study of the EHT data, reveals polarization in the radiation around the black hole. Mapping the polarization unveils new insights into how matter flows around and into the black hole - and even hints at how some matter escapes! More details: <https://apod.nasa.gov/apod/ap210331.html>

Credit:
Event Horizon Telescope Collaboration

(Continued from page 4)



Find Virgo by “arc-ing to Arcturus, then spiking on to Spica.” Please note that in this illustration, the location of the Virgo Cluster is approximate - the borders are not exact.



Setting up for the Manchester Park event at Fussner Field. This was one of the first in-person outreach events SLAS has had so far this year. About 50 people attended the event. The next in-person star party will be at Crestwood Park Saturday night. Hope to see you there!

**St. Louis Astronomical Society
Devoted to the Interest and Advancement
of the Science of Astronomy
Executive Board Meeting Minutes 4/1/2021**

1. Opening Activities

- a. Attendance: Mark Jones, Larry Campbell, Bradley Waller, Brent Buch, Jim Small
- b. Open Meeting
- c. Approval of last month's meeting minutes Bradley Waller motioned, Larry Campbell Second, minutes approved
- d. Next Board meeting date: Dates for 2021: May 6, 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:
- d. Special Business needed:
- e. A101: Jeff Carpentier, Grant Martin presentations. Possibly Randy spotlight latest toys!

3. SLAS Financial Report

- a. Balance Sheet
- b. Profit/Loss report
- c. Annual Budget meetings –
- d. Corporate filings:

4. Speaker Committee

- a. Budget - \$400
- b. Upcoming speakers:

SLAS Monthly Meetings Presentations 2021

Month	Name	Topic	Sponsor
16-Apr-2021	Ian H Redmount, PhD	Cosmic Roller Coaster	SLU
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	Hiking on the Mountains of the Moon: The Voyage of Apollo 15	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		Vger 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

- b. Welcome Aboard Meetings
- c. Raffles
- d. Attendance prizes this month none this month, two 23mm SVBONY eyepieces for the June prizes

6. Membership Recognition a. Total Budget \$420

- b. NSN Outreach Awards:
- c. Membership Report: Full report sent to board. SLAS membership report for March 2021. We have 216 members which 29 members over last year's count of 187 members, and an increase of 5 members this year. The growth is driven by new members, offset partially by a loss of existing members.
- d. Member anniversary awards
- 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 – Short article for April NL announcing nominations.
- 3. Submittal deadlines May 1 – put on agenda for meeting for April
- 4. Nomination reviews:
- 5. Award selection:
- 6. Plaques purchased: Design for perpetual plaque is ready to be submitted.
- 7. Awards presented:

7. Outreach a. Budget - \$700

- 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:
- e. Upcoming outreach events: Jefferson College events, Manchester Park events
- f. Awards/recognitions
- g. NSN Outreach hours YTD

8. Old Business: a. Training Program start a committee

9. New Business:

COVID protocols for outreach events, update on MSRAL

10. Other Committee Reports: If needed

A. SLSC Business:

- a. First Friday actions: From Bradley – new idea for SLSC
- b. Other immediate business

B. SLCL Business:

- a. Annual contract –
- b. Upcoming events - at least two June events.

C. Jefferson College Business:

- a. Committee Meeting report: Observatory update. **Concrete poured!!! (pictures??)** and there was much rejoicing.... yay..... waiting on dirt for fill
- b. Upcoming Outreach Event:

D. Library Telescope Committee a. Budget – \$300

- b. Upcoming builds or maintenance events
- c. Maintenance budget - \$100
- d. Mileage re-imbursement – see above
- e. Promotional materials - \$200

E. SLAS Social Events

- a. Budget - \$300
- b. Homemade Fest - \$100 budget
- c. Star-B-Q - \$200 budget

Other

F. SLAS Brochures a. Budget \$200 b. Quarter cards

- G. Loaner scope Program** a. Budget - \$100
- b. New donations – **Monolux 4380 sold to Jeff Carpentier for \$150**
- c. Replacement Parts for the LPTs -
- d. Items for sale

H. SLAS Library a. Budget - \$500 b. Other – obtained copy of the 2016-2020 DVD for Astronomy Magazine for \$29.95

I. Merchandise

J. Telescope Making

K. Newsletter a. Budget \$600

L. Website a. Budget \$690 - Updated website for past newsletters

M. Social Networking

N. Night Sky Network

O. SLASdialogs

P. Dark Site

Q. Observing Programs

R. Star Parties Donation:

11. Closing Activities Motion to adjourn by Larry Campbell, second by Brent Buch, motion carried.

St. Louis Astronomical Society Profit & Loss Budget vs. Actual January through April 2021				St. Louis Astronomical Society Balance Sheet As of April 30, 2021		
	Jan - Apr 21	Budget	\$ Over Bud...		Dec 31, 20	Apr 30, 21
Ordinary Income/Expense				ASSETS		
Income				Current Assets		
Events Income	830.00		830.00	Checking/Savings		
Magazine Subscription	1,758.85	802.35	956.50	Checking - First Bank	7,587.88	8,703.07
Membership Dues	1,950.00	1,525.00	425.00	Deposit, Certificate of	15,925.53	15,933.26
Total Income	4,538.85	2,327.35	2,211.50	Library Telescope Escrow	1,206.41	1,336.31
Cost of Goods Sold				PayPal	747.44	983.79
Magazine Subscriptions	1,670.90	768.35	902.55	Savings - First Bank	41,145.74	41,147.09
Merchandise	85.92			Total Checking/Savings	66,613.00	68,103.52
Total COGS	1,756.82	768.35	988.47	Other Current Assets	761.53	675.61
Gross Profit	2,782.03	1,559.00	1,223.03	Total Current Assets	67,374.53	68,779.13
Expense				Fixed Assets	15,336.00	15,336.00
1-Programs & Events	416.68	843.00	(426.32)	TOTAL ASSETS	82,710.53	84,115.13
2-Newsletter	640.02	320.00	320.02	LIABILITIES & EQUITY		
3-Library expense	56.75	200.00	(143.25)	Equity		
5-Loaner Scopes		50.00	(50.00)	Opening Bal Equity	8,497.66	8,497.66
6-Brochures		100.00	(100.00)	Retained Earnings	72,581.69	74,212.87
7-Insurance		1,050.00	(1,050.00)	Net Income	1,631.18	1,404.60
8-Website	179.40	690.00	(510.60)	Total Equity	82,710.53	84,115.13
9-Administrative Expen...	281.60	184.00	97.60	TOTAL LIABILITIES & EQUITY	82,710.53	84,115.13
Total Expense	1,574.45	3,437.00	(1,862.55)			
Net Ordinary Income	1,207.58	(1,878.00)	3,085.58			
Other Income/Expense						
Other Income						
Donations	190.00		190.00			
Interest Income	9.08	16.00	(6.92)			
LTP Receipts	29.90		29.90			
Total Other Income	228.98	16.00	212.98			
Other Expense						
LTP Disbursements	31.96		31.96			
Total Other Expense	31.96		31.96			
Net Other Income	197.02	16.00	181.02			
Net Income	1,404.60	(1,862.00)	3,266.60			

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.**
May 6, Jun 3, Jul 1, Aug 5, Sep 2, Oct 7, Nov 4, Dec 2

Dark Sky Observing Dates

May 8, Jun 5, 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
On hold until further notice due to Covid 19

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.umsl.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

21 Fri
22 Sat
22 Sat
24 Mon
27 Wed
30 Sun

SLAS Regular Meeting
Stargazing at Crestwood Park
Snores and Smores Kirkwood Park
Constellation Tour 44
SLAS New Member Zoom
SLAS Sky Orienteering

June

3 Thur
5 Sat
4-6

SLAS Board Meeting
SLAS Dark Sky Observing
CANCELED! MSRAL Conference - Broken Arrow, OK
Aim For the Stars Jefferson College
Constellation Tour 45
Constellation Tour 46
Francis Park Stargazing
SLAS Regular Meeting
Snores n Smores Kirkwood Park
Constellation Tour 47
SLAS New Member Zoom

6 Sun
7 Mon
14 Mon
16 Wed
18 Fri
19 Sat
21 Mon
24 Thur

July

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

SLAS Board Meeting
Audubon Center
Aim for the Stars Jefferson College
Constellation Tour
SLAS Dark Sky
Constellation Tour
Francis Park Stargazing
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 _____

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 \$ _____

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

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)	636-357-2763
treasurer at slasonline.org		
Hospitality	Larry Campbell	636-244-2867
hospitality at slasonline.org		
Board Members at Large:		
	Tom Nickelson	314-346-9565
board20 at slasonline.org		
	Brent Buch	314-239-0329
board21 at slasonline.org		
	John Newcomer	314-496-4636
board22 at slasonline.org		
ALCOR	Bill Winningham	636-357-2763
(Astronomical League Correspondent) treasurer at slasonline.org		
MSRAL Rep.	Jim Small	314-909-7211
msral_rep at astroleague.org		

COMMITTEE CHAIRS

Dark Site Coordinator	Mark Jones	636-394-2342
darksite at slasonline.org		
Librarian	Jim Small	314-909-7211
librarian at slasonline.org		
Library Telescope Program	Don Ficken	636-851-9630
librarytelescope at slasonline.org		
Loaner Equipment	Greg Gaines	314-277-3082
loaner at slasonline.org		
Merchandise	Vacant	
merchandise at slasonline.org		
Membership	Don Ficken	636-225-0269
membership at slasonline.org		
Newsletter Editor	Jim Small	314-909-7211
newsletter at slasonline.org		
Observing Programs	Mark Jones	636-394-2342
observing at slasonline.org		
Publicity	Rich Heuermann	314-962-9231
publicity at slasonline.org		
Recognition	Larry Campbell	636-244-2867
recognition at slasonline.org		
Social Media	Vacant	
'SLASdialogs' Moderator Mark Jones, Rhonda Whelan		
dialogsmoderator at yahoo.com		
Star Party Coordinator	Bill Breden	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

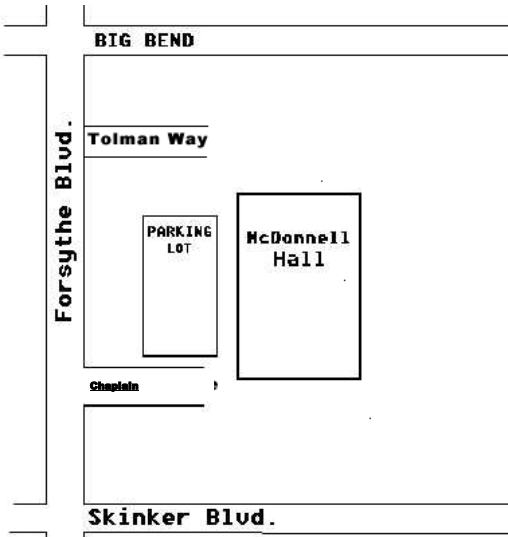


Who We Are and What We Do

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

