THE EVENT HORIZON

ST. LOUIS ASTRONOMICAL SOCIETY

Devoted to the Interest and Advancement of the Science of Astronomy

VOLUME 32, Issue 11
November, 2022

Cold, Dark Carbon at the Earliest Stages of Star Formation

by

Dr. Brett McGuire
Massachusetts Institute of Technology

Dr. Brett McGuire of the Massachusetts Institute of Technology will be featured at the November meeting of the Saint Louis Astronomical Society. The meeting will begin at 7:30 PM Friday, November 18. See below for details.

Hydrogen and carbon are two of the most abundant elements in the universe. Certain types of molecules combining hydrogen and carbon atoms are the Polycyclic Aromatic Hydrocarbon molecules (PAH). PAH molecules have been detected in the interstellar medium, the very thin gas and dust mixture that lies between stars. Greater concentrations of dust and gas form immense clouds, from which new stars are born. Study of the locations, physics, and chemistry of PAH molecules are part of current research on star formation and early development. PAH molecules are detected using huge radio telescopes. Dr. McGuire will talk about observing PAH molecules and modeling their chemistry and that of the dust and gas in which they are found.

Dr. McGuire is, since 2020, an Assistant Professor of Chemistry at MIT. From 2014 to 2020, he was a Hubble Fellow at the National Radio Astronomy Observatory and Harvard's Center for Astrophysics. His research uses the tools of physical chemistry, molecular spectroscopy, and observational astrophysics to understand how the chemical ingredients for life evolve with and help shape the formation of stars and planets.

At this month's meeting, we will be looking over the budget after the meeting and discussing it prior to voting on it at the December meeting. Look elsewhere in this newsletter for the full budget along with commentary about each aspect of the budget. If you have any questions, be sure to bring them up at the meeting tonight. We will NOT be voting on the budget tonight. Again, that will take place at the December meeting.

See you at the meeting Friday!

jrs

Upcoming Meetings
December: Alan Dyer, Astrophotography

Inside This Issue

President's Corner Member Expirations	2
Member Service Awards	3
Budget	4
Volunteer Hours	7
Board Minutes	8
Financials	9
Events	10
Contacts	11

SLAS Returns to In-Person Meetings! Zoom Conference Meetings will Continue

SLAS meetings for the fall have been scheduled for McDonnell Hall, room 162. It's been too long! The room will be open by 6 pm to allow setup and will remain open till 11. You still ***cannot park in any red spaces***. There are 18 yellow slots on Forsyth which are ok after 5 pm Friday. There are also many yellow slots by the greenhouses west of McDonnell that are eligible after 5 pm. There is also an underground parking garage east of McDonnell at Wrighton Way. Park in any yellow slot. There are also two car chargers near McDonnell and several in the garage.

Can't wait to see everyone in a meeting again! Friday night, 7:30 pm!

We will still run the meeting via Zoom Conference in addition to live and in person. The Zoom room will be open from 7-10 pm.

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

President's Corner

by

Jim Small

At the November meeting we will be passing out service pins to members who have achieved various milestones in their membership with SLAS. Check the article on page 3 to see if you will be receiving a pin. It would be great if you could be at the meeting to receive them in person! Hope to see you there.

November and December represent the last chance to earn an outreach pin for the year. See the article on page 7 to see if you're eligible for an outreach pin. There is also a list of remaining events for the year, so there is still time to earn one even if you haven't done any outreach for the whole year yet! Sign up now!

Budget is out with this issue and we added a big item. The 16" at the observatory might require an upgrade and we put the money in the budget to make it easy to be sure it happens if we need it. The cost will be somewhere around $4000. We added more than that in case the price varies. We haven't gotten a firm bid on the cost at this time, just an estimate from Explore Scientific. The upgrade would be to their PMC-Eight system. We will discuss the budget and answer any questions at the November meeting.

Outreach event numbers will be down for November and December. More events will be scheduled as it gets warmer in the spring. There are still plenty of library events these two months. We will also continue Jefferson College events. Be sure to sign up and attend!

Apologies for the tardiness of the newsletter lately. It's been a bit hectic for me, but it will likely calm down going forward. Looking forward to having the December issue out early! If you want to help, send pictures of people at star parties with captions and SLAS volunteers identified. Feel free to submit articles on the topic of your choice from reporting on an outreach event to interpreting the latest news from the astronomy world

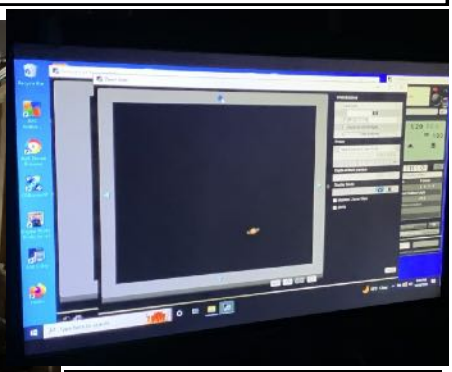
I'm looking forward to a couple more good talks to close out the year and for some of that good hospitality we get at meetings! Come on down to the meeting!

SLAS Memberships Expiring in November

FIRST NAME	LAST NAME
Kevin	Adkins
Joseph	Barteau
Melissa	Bufalo
Randy	Harrison
Curt	Hartog
Francis "Frank"	Mack
Craig	Walters

SLAS Memberships Expiring in December

FIRST NAME	LAST NAME
Maryanne	Angliongto
Brent	Buch
David	Ebers
Karen	Fajardo
Linda & John	Follis
Angie	Forrester
Nora	Gettins
Jack	Gillette
Irvin	Hamilton
Katherine	Holzem
Jamie	Lyon
Chris	Miles
Marc	Oden
Thomas E.	Ryan, M.D.
Earl	Schultz & Family
Zeke	Smith
Elisabeth	Spratt
James H.	Wells



Photos from a Girl Scout event held at Jefferson College Observatory October 28

SLAS Member Recognition Programs

One of them happens at the November meeting!
We would LOVE to present you with your pin in person at the meeting!

SLAS has 3 recognition programs, where on a yearly basis we like to present awards to SLAS members. The programs are as follows:

- Service Anniversary recognition. These are awarded typically in November each year to people that have continuous membership in SLAS. We present anniversary pins and certificates to members that have passed 5-years increments, such as 5, 10, 15-year anniversaries, etc.
- Outreach Volunteer recognition. This program acknowledges the many SLAS members who participate in our astronomy outreach events throughout the year. Night Sky Network, NASA and ASP sponsor this program and SLAS buys pins and certificates to present to members that meet the established criteria. These awards are typically presented in January or February.
- Special Recognition Awards. Awards are presented in 5 categories. Some awards are for members-only, can be awarded to members or non-members. These are typically presented in December or January. Go to our website for more details by searching on special awards.

criteria	%
50+	2.1%
40-50years	1.4%
30-40years	3.8%
20-30years	5.2%
10-20years	15.3%
5-10years	11.5%
1-5years	44.4%
0-1	16.0%

Current SLAS membership stands at 245 people. About 60% of people have been members for less than 5 years. The membership breakdown is in the table below.

For 2022, 25 members will be presented with pins for anniversaries ranging from 5 to 20 years. In addition, 3 members will receive special recognition for achieving 65 and 70 years with SLAS! Thank you to all members this year and we can't wait until 2023 when we will recognize another group of members for achieving their anniversaries. Here is a list of 2022 anniversary awardees.

Thane & Marlene	Bopp	70 years
Jim	Melka	65 years
William	Davis	65 years
John	Simmons	20 years
James & Yvonne	Roe	20 years
Tom	Keutzer	20 years
Gary	Mockli	20 years
Gregory	Gaines	15 years
Leontine	Davidson	10 years
Dale	Engelbrecht	10 years
Gaylene	Engelbrecht	10 years
Eugene	Dultz, Jr	10 years
Ken	Kibort	10 years
Tom	Nickelson	10 years
Lynn	Fee	5 years
Jack	Gillette	5 years
Louis	Baker	5 years
Charles	Laughton	5 years
Murray	Fishman	5 years
Thomas	Duncan	5 years
Barbara	Shrauner	5 years
David	Barry	5 years
Shanna	Ramirez	5 years
Robert	Goddard	5 years
Robert	Harmon	5 years
Opal	Andrews	5 years
Alan	Whitson	5 years
Maryanne	Angliongto	5 years

Assumption Summary – 2023

St. Louis Astronomical Society Annual Budget

Work began on the 2023 budget after the financial close for August 2022. The year-to-date information is therefore through August 31, 2022 with an estimated projection of activity from September 1, 2022 through December 31, 2022.

The budget information was assembled partially based on assumptions developed from the August 2022 year to date actual in areas such as membership information available at that time. The balances of the budgetary items were prepared on a line-by-line basis by the individual committees and committee chairperson

Revenue / Income:

The primary source of Revenue for the Society stems from membership fees that are assessed on an annual basis that is based on the member's individual anniversary date. The current fee structure was adopted in 2004 where the "Family Membership" was created and set at an annual rate of $40.00 per year. At the same time, the fees for the Youth membership were decreased from $15.00 to $10.00 per year.

The total revenue from the membership fees for 2023 is based on:

Regular (Adult) Memberships	160 @ $25.00/year	$4,000
Youth Memberships	3 @ $10.00/year	30
Family Memberships	40@ $40.00/year	1,600

Albeit that the Society does receive donations for the outreach activities, these donations have been ignored for the purpose of the 2023 budget due to the uncertainty.

As indicated in the budget, this will provide operating revenues in the total of $5,630 for 2023. The actual revenues that will be realized during the calendar year may be different due to any changes in the actual membership numbers.

Magazine subscriptions are referenced as a memo item. The Society acts solely as an agent in these transactions as a convenience to the membership. It should be noted that the same "Club" rates for the subscriptions are available to each member in good standing through the Night Sky Network for those who choose that option.

Operating Expenses:

These are expenses that are incurred to run the Society on a month-to-month basis to provide goods and services to the membership. Some of the expense categories are required to meet specific obligations that enable Society to function as an organization. The balance of the expense categories are considered discretionary and may be adjusted accordingly. The items that will be discussed in detail are the discretionary items.

Newsletter Expense:

The newsletter expense consists of $225 for paper, toner and other supplies, $175 for postage, and $200 for an updated copy of Publisher.

Events

The Homemade Fest budget was increased from $100 to $125. This budget is primarily used to purchase refreshments, plates, plasticware and door prizes. SLAS hopes to continue getting the meeting room free of charge from the Science Center or the Kirkwood Community Center. Kirkwood waived the fee in the past because of our hosting telescope viewing at Kirkwood Park at least twice a year.

The Star-B-Que budget was increased from $200 to $240. This event will again be member potluck with SLAS providing the meat, paper goods, and trivia quiz prizes. SLAS hopes to continue getting the picnic pavilion free of charge. This is normally an $80 charge, but Babler has waived the fee because of our hosting Night Skies Over Babler twice a year.

The members in attendance will be asked to provide items as with the Homemade Fest to complement the main course provided by SLAS. This will require that the membership provide their RSVP and number of attendees so the event can be planned accordingly.

Library Telescope Program:

The SLAS Library Telescope program was launched into the St. Louis area on November 2014. In just a few short years, the program has grown to one of the largest and most successful programs in the country. On all fronts, the library telescope program is demonstrating success. The LTP committee is not requesting any funds for 2023 as there are sufficient funds in the LTP Escrow to cover expected costs.

Meeting Expense:

Meeting expense is comprised of Meeting Refreshments and Meeting Speaker Fees. The meeting refreshments are self-explanatory and have been budgeted at $360 same as the 2022 budget level. The Meeting Speaker Fees are used primarily to present honorariums to guest speakers and occasionally to partially offset travel expenses. The speaker budget has ranged between $250 and $600 in recent years. The 2023 speaker budget will be $400, which includes expected travel expenses (unlikely) for 1 to 2 speakers and a stipend for 1 to 2 graduate student speaker and the cost of mailing mugs or other gifts to speakers that present remotely.

Membership Initiatives:

SLAS regularly holds "Welcome Aboard" meetings for new SLAS members. These meetings take place before the Monthly Meeting. New SLAS Members are given a SLAS Informational Folder containing information about SLAS resources and other related Astronomy topics.

The budget for Membership Initiatives was increased from $500 to $650 for 2023 to reflect the increased cost of mailing prizes due to meeting being on Zoom. Membership Initiative intends to continue the practice of awarding attendance and other prizes to the membership. Examples of some of possible prizes for 2023 include sponsoring a membership to McDonald Observatory, telescope eyepieces, and cell phone adapters for telescopes. Please feel free to suggest your ideas for membership prizes to Brad Waller at vicepresident@slasonline.org. The budget reflects the potential cost of having to mail attendance prizes for Zoom based meetings.

Membership Recognition:

The membership recognition budget for 2023 is $500. This budget include cost for Night Sky Network pins and certificates, recognition of members for continuous membership in SLAS and for contributing time for other SLAS functions, including the recently adopted award program. The budget includes the costs for the five new awards that were made available beginning in 2020, including plates for the main award displays, individual plaques for award winners and associated mailing costs. A membership recognition committee was formed and an email address, recognition@slasonline.org was set up so that recommendations can be submitted to the committee.

Merchandise:

The merchandise budget includes $200 for a mug design/setup and $450 for mug inventory. Some of the mugs will be used for speaker gifts, the rest will be available for sale to the membership.

Library:

Library expenses for 2023 includes approximately $500 for a model James Webb telescope and the purchases DVD's and

books.

Loaner Scope Program:
For 2023 the budget is $100 which is intended to cover miscellaneous repair cost. This amount does not include proceeds from the sale of excess loaner scope inventory, which will be reinvested into the loaner scope program.

JC Observatory:
$4,000 to upgrade the electronics for the 2002 Meade LX200 16" scope by purchasing the Explore Scientific 16" Meade PMC-Eight control system, customized specifically for the SLAS 16" scope. The Scope will be down for 2-3 months for the upgrade. $1,000 is budgeted for other observatory expenses.

Outreach:
The outreach budget for 2023 is $500. The budget includes $250 for the purchase of shirts for members who complete outreach training and participate in outreach events, handed out quarterly. The budget also includes $250 for the purchase of yard signs, including Stacy Park.

Website/Technology:
The budget for the Website and internet related technology remains $750 for 2023. The budget includes approximately $260 for website hosting, $110 to maintain Group.IO (replacement for SLAS Dialogs), various web address licenses, and $200 to purchase a SLAS owned ZOOM account for virtual meetings and virtual sky tours.

Dark Sky
SLAS will donate $400 to the International Dark Sky Association of Missouri to help support their operating costs.

2023/2024 Eclipse
The budget includes $500 to fund an escrow account for to fund preparatory activities for the upcoming 2023 annular and 2024 total eclipse.

SLAS Brochures:
The SLAS brochure is due for a complete redesign. The brochure expense consists of $600 for paper and toner and potentially another order of "Quarter Card" handouts.

Summary:
The Board and participating committee members have adjusted several budget items for 2023. The budget includes a significant one-time expense to upgrade the motors and tracking system for the 16" Mead Scope at the Jefferson College Observatory. The budget also includes the addition of a Zoom license that will allow SLAS to host and record virtual meetings. Note up until now, Zoom meetings were conducted using SLAS member's Zoom accounts. Expected revenue is up slightly for 2023 due to an increase in membership during the year. The net result is 2023 budget as presented equals a net loss from operations of $8,555, compared a budgeted net loss of $3,617 for the 2022 and a budgeted net loss of $3,657 for the 2021. Meeting the projected expenses for the upcoming year will require supplementing the operations from cash reserves to the extent donations and other revenue sources do not make up the shortfall. All attempts have been made during this process to continue to provide valued programs for the membership.

If you have questions about the amounts presented in this budget, please direct them either to me or the relevant committee chairs.

Respectfully, Bill Winningham, Treasurer

ST. LOUIS ASTRONOMICAL SOCIETY
PRELIMINARY OPERATING BUDGET - 2023

	Budget								
	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019	Annual 2020	Annual 2021	Annual 2022	Annual 2023
Income									
Magazine Subscription									
Total Magazine Subscription	$ 2,034.10	$ 1,734.40	$ 952.50	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90
Membership Dues	$ 3,440.00	$ 3,725.00	$ 3,600.00	$ 3,970.00	$ 4,170.00	$ 4,265.00	$ 4,215.00	$ 5,600.00	$ 5,630.00
St. Louis County Library Events						1,620.00	-	-	-
Merchandise Sales	-	-	-	-	-				
Total Income	$ 5,474.10	$ 5,459.40	$ 4,552.50	$ 5,308.90	$ 5,508.90	$ 7,223.90	$ 5,553.90	$ 6,938.90	$ 6,968.90
Cost of Goods Sold									
Total Magazine Subscriptions	$ 2,034.10	$ 1,734.40	$ 952.50	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90
Merchandise									
Total Cost of Goods Sold	$ 2,034.10	$ 1,734.40	$ 952.50	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90	$ 1,338.90
Gross Profit	$ 3,440.00	$ 3,725.00	$ 3,600.00	$ 3,970.00	$ 4,170.00	$ 5,885.00	$ 4,215.00	$ 5,600.00	$ 5,630.00
Operating Expense									
Programs & Events									
Home Made Fest	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	125.00
Star BBQ Expense	175.00	175.00	175.00	200.00	200.00	200.00	200.00	200.00	240.00
Library Scope Program Expense	600.00	*200.00*	*200.00*	*200.00*	450.00	650.00	300.00	300.00	-
Outreach			*547.90*		650.00	1,100.00	700.00	620.00	500.00
Meeting Expenses									
Meeting Refreshments	450.00	350.00	350.00	350.00	350.00	360.00	360.00	360.00	360.00
Meeting Speaker Fees	250.00	250.00	800.00	600.00	500.00	500.00	400.00	400.00	400.00
Total Meeting Expenses	$ 700.00	$ 600.00	$ 950.00	$ 950.00	$ 850.00	$ 860.00	$ 760.00	$ 760.00	$ 760.00
Membership Initiatives	$ 200.00	$ 200.00	$ 200.00	$ 200.00	$ 400.00	$ 400.00	$ 450.00	$ 500.00	$ 600.00
Merchandise	$ 120.00	45.00	45.00	45.00	100.00	-		650.00	650.00
Membership Recognition	200.00	260.00	300.00	300.00	300.00	900.00	420.00	550.00	500.00
Programs & Events	$ 2,495.00	$ 1,780.00	$ 2,270.00	$ 1,995.00	$ 3,050.00	$ 4,210.00	$ 2,930.00	$ 3,680.00	$ 3,375.00
Newsletter (Postage only pre 2019)	$ 180.00	$ 200.00	$ 175.00	$ 175.00	$ 500.00	$ 600.00	$ 600.00	$ 600.00	$ 600.00
Newsletter Printing									
Total Newsletter	$ 180.00	$ 200.00	$ 175.00	$ 175.00	$ 500.00	$ 600.00	$ 600.00	$ 600.00	$ 600.00
Library expense	$ 300.00	$ 100.00	$ 300.00	$ 300.00	$ 470.00	$ 500.00	$ 500.00	$ 500.00	$ 500.00
Astronomical League Dues	650.00	695.00	670.00	760.00	825.00	860.00	860.00	1,025.00	1,200.00
Dark Sky Association							400.00	400.00	400.00
Loaner Scopes	200.00	50.00	50.00	600.00	100.00	100.00	100.00	100.00	100.00
Observator Upgrade									5,000.00
Insurance	380.00	380.00	380.00	825.00	825.00	1,050.00	1,050.00	1,050.00	1,150.00
Website/Zoom	135.00	150.00	170.00	170.00	285.00	625.00	690.00	750.00	750.00

ST. LOUIS ASTRONOMICAL SOCIETY
PRELIMINARY OPERATING BUDGET - 2023

	Budget								
	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019	Annual 2020	Annual 2021	Annual 2022	Annual 2023
Administrative Expenses									
Corporate Filings	-	20.00	-	20.00	-	20.50	12.00	12.00	-
Office Supplies	165.00	165.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Banking Fees			25.00	25.00	30.00	30.00	30.00	30.00	30.00
PayPal Fees	40.00	40.00	40.00	40.00	40.00	45.00	100.00	120.00	180.00
Postage	75.00	90.00	90.00	90.00	90.00	100.00	200.00	250.00	250.00
Printing / Copying Expense (combined 2015)	888.00	1,115.00	1,370.00	1,370.00	-				
Brochures					610.00	600.00	300.00	600.00	600.00
Administrative Expenses	$ 1,168.00	$ 1,430.00	$ 1,625.00	$ 1,645.00	$ 870.00	$ 895.50	$ 742.00	$ 1,112.00	$ 1,160.00
Total Operating Expense	$ 5,508.00	$ 4,785.00	$ 5,640.00	$ 6,470.00	$ 6,925.00	$ 8,840.50	$ 7,872.00	$ 9,217.00	$ 14,235.00
Net Income/(Loss) From Operations	**$ (2,068.00)**	**$ (1,060.00)**	**$ (2,040.00)**	**$ (2,500.00)**	**$ (2,755.00)**	**$ (2,955.50)**	**$ (3,657.00)**	**$ (3,617.00)**	**$ (8,605.00)**
Other Income / Expense									
Other Income									
Donations									
SLAS Club Members	-	-	-	-	-				
Donations - Other	-	-	-	-	-				
Total Donations	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest Income	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 200.00	$ 50.00	$ 50.00	$ 50.00
Non-Operating Income (Astro Mag Award)	-	-	-	-	-				
Total Other Income	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 200.00	$ 50.00	$ 50.00	$ 50.00
Other Expense									
Physical Inventory Adjustment	$ -	$ -	$ -	$ -	$ -				
Astro Mag Award Disbursements									
Depreciation Expense (JC Scope and Dome)						3,200.00	3,200.00	3,200.00	2,492.06
Total Other Expense	$ -	$ 1,800.00	$ 2,000.00	$ 2,500.00	$ 500.00	$ 3,200.00	$ 3,200.00	$ 3,200.00	$ 2,492.06
Net Other Income / (Expense)	$ 100.00	$ (1,700.00)	$ (1,900.00)	$ (2,400.00)	$ (400.00)	$ (3,000.00)	$ (3,150.00)	$ (3,150.00)	$ (2,442.06)
Net Income / (Loss)**	**$ (1,968.00)**	**$ (2,760.00)**	**$ (3,940.00)**	**$ (4,900.00)**	**$ (3,155.00)**	**$ (5,955.50)**	**$ (6,807.00)**	**$ (6,767.00)**	**$ (11,047.06)**
Required versus Discretionary Spending									
Gross Profit	$ 3,440.00	$ 3,725.00	$ 3,700.00	$ 4,070.00	$ 4,270.00	$ 6,085.00	$ 4,265.00	$ 5,650.00	$ 5,680.00
Required Expenses									
Newsletter (postage only pre 2019)	$ 180.00	$ 200.00	$ 175.00	$ 175.00	$ 500.00	$ 600.00	$ 600.00	$ 600.00	$ 600.00
Astronomical League Dues	650.00	695.00	670.00	760.00	825.00	860.00	860.00	1,025.00	1,200.00
Insurance	380.00	380.00	380.00	825.00	825.00	1,050.00	1,050.00	1,050.00	1,150.00
Website	135.00	150.00	170.00	170.00	285.00	625.00	690.00	750.00	750.00
Corporate Filings	-	20.00		20.00	-	20.50	12.00	12.00	-
Office Supplies	165.00	165.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Banking Fees	-	-	25.00	25.00	30.00	30.00	30.00	30.00	30.00
PayPal Fees	40.00	40.00	40.00	40.00	40.00	45.00	100.00	120.00	180.00
Postage	75.00	90.00	90.00	90.00	90.00	100.00	200.00	250.00	250.00
Brochures					610.00	600.00	300.00	600.00	600.00
Printing / Copying Expense	888.00	1,115.00	1,370.00	1,370.00	-	-	-	-	-
	$ 2,513.00	$ 2,855.00	$ 3,020.00	$ 3,575.00	$ 3,305.00	$ 4,030.50	$ 3,942.00	$ 4,537.00	$ 4,860.00
Balance for Discretionary Items	**$ 927.00**	**$ 870.00**	**$ 680.00**	**$ 495.00**	**$ 965.00**	**$ 2,054.50**	**$ 323.00**	**$ 1,113.00**	**$ 820.00**
Discretionary Spending									
Home Made Fest	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	125.00
Meeting Refreshments	450.00	350.00	350.00	350.00	350.00	360.00	360.00	360.00	360.00
Meeting Speaker Fees	250.00	250.00	600.00	600.00	500.00	500.00	400.00	400.00	400.00
Membership Initiatives	200.00	200.00	200.00	400.00	400.00	400.00	450.00	500.00	600.00
Merchandise	120.00	45.00	45.00	45.00	100.00	-	-	650.00	650.00
Membership Recognition	200.00	260.00	300.00	300.00	300.00	900.00	420.00	550.00	500.00
Astronomy Day/Outreach	-	-	300.00	-	650.00	1,100.00	700.00	620.00	500.00
Star BBQ Expense	175.00	175.00	175.00	200.00	200.00	200.00	200.00	200.00	240.00
Library expense	300.00	100.00	300.00	300.00	470.00	500.00	500.00	500.00	500.00
Loaner Scopes	200.00	50.00	50.00	600.00	100.00	100.00	100.00	100.00	100.00
Observatory Upgrade									5,000.00
Library Scope Program Expense	*600.00*	200.00	200.00	200.00	450.00	650.00	300.00	300.00	-
Dark Sky Association							400.00	400.00	400.00
	$ 2,995.00	$ 1,930.00	$ 2,620.00	$ 3,095.00	$ 3,620.00	$ 4,810.00	$ 3,930.00	$ 4,680.00	$ 9,375.00
Net Income/(Loss) From Operations	**$ (2,068.00)**	**$ (1,060.00)**	**$ (1,940.00)**	**$ (2,600.00)**	**$ (2,655.00)**	**$ (2,755.50)**	**$ (3,607.00)**	**$ (3,567.00)**	**$ (8,555.00)**
Other Expense									
2023/2024 Eclipse Escrow Funding		$ 800.00	$ 1,000.00	N/A	N/A	N/A			500
Library Telescope Program Escrow Funding		1,000.00	1,000.00	500.00	500.00	-	0	0	0
Depreciation Expense (JC Scope and Dome)						3,200.00	3,200.00	2,492.06	2,492.06
Total Other Expense	N/A	$ 1,800.00	$ 2,000.00	$ 500.00	$ 500.00	$ 3,200.00	$ 3,200.00	$ 2,492.06	$ 2,992.06
Actual Historical Net Income for prior years	**$ 368.42**	**$ 30,000.32**	**$ 10,680.08**	**$ 4,325.86**	**$ 2,924.55**	**$ 1,631.18**	**$ 2,942.04**		
	(2015)	(2016)	(2017)	(2018)	(2019)	(2020)	(2021)		

SLAS Volunteer Hours
by Mark Jones

SLAS members. In keeping with the NSN 2022 policy for volunteer outreach recognition, SLAS will once again recognize members who volunteer for 2 or more events during 2022. Our recognition ceremony will be at the January or February 2023 SLAS meeting. As of Nov 12, 2022 we had 50 members volunteer for outreach events. These 50 members have contributed almost 800 hours in volunteer time so far in 2022! Some members have already reached the 2 events criteria, others are close.

SLAS has a number of volunteer events remaining in 2022, so there is still time to sign-up. We would appreciate the help and it is fun you get to work with fellow members and learn how easy outreach really is. If you would like to volunteer go to NSN website or SLAS calendar. If you are not familiar with how to sign up, send me an email on which events you wish to sign up for and I can help. Remember it is very important that volunteers who sign up, do show up for the event. Please don't let your fellow members down.

https://nightsky.jpl.nasa.gov/news-display.cfm?News_ID=1015

Here is the current tally of volunteers so far in 2022. If you believe your record is not correct, please contact me.

Donald Ficken	33 events; 100	hours
Bill Breeden	31 events; 52	hours
Mark Jones	19 events; 72.5	hours
Cook Feldman	18 events; 60	hours
Richard Fefferman	18 events; 35.5	hours
Dennis Latinette	12 events; 37.5	hours
Rick Menendez	11 events; 28	hours
John Strebeck	10 events; 16.5	hours
Randy Harrison	9 events; 36	hours
Rich Heuermann	9 events; 24	hours
Ronald Sides	9 events; 22.5	hours
James Small	8 events; 28	hours
Bradley Waller	8 events; 23	hours
Carl McCullough	7 events; 27	hours
Rita Breeden	6 events; 18.5	hours
Richard Jennings	6 events; 15	hours
Maryanne Angliongto	5 events; 16.5	hours
Phyllis Nolan	5 events; 14.5	hours
Alfred Schovanez	4 events; 15	hours
Chris Hanson	4 events; 12	hours
Larry Campbell	4 events; 10	hours
Christian Schulte	3 events; 9	hours
Lalit Chouhan	3 events; 5	hours
Jeff Carpentier	2 events; 14	hours
James Malke	2 events; 10	hours
Larry Meyer	2 events; 6.5	hours
Kenneth Levy	2 events; 6	hours
Orevia Vongsa	2 events; 5	hours
Allex Goh	1 events; 6	hours
Frederick Fischer	1 events; 6	hours
Frank Mack	1 events; 5.5	hours
James & Yvonne Roe	1 events; 5	hours
Mark Fedde	1 events; 5	hours
Richard Myhra	1 events; 5	hours
Wayne Clark	1 events; 4	hours
Nancy Clark	1 events; 4	hours
Joseph Barteau	1 events; 4	hours
Carl Masthay	1 events; 3	hours
Bill Biermann	1 events; 3	hours
Mary Barteau	1 events; 3	hours
Elisabeth Spratt	1 events; 3	hours
Yang Yang	1 events; 3	hours
Alan Jeude	1 events; 3	hours
Bo Cooper	1 events; 3	hours
John Duchek	1 events; 2.5	hours
William Neubert	1 events; 2	hours
Ethel Foster	1 events; 2	hours
Ken Hargrove	1 events; 2	hours
Robert Goddard	1 events; 1.5	hours
Ashvik Chilakala	1 events; 1.5	hours

We have 8 events remaining for 2022, please sign up.

1. 11-15-2022, St. Louis Public Library (LTP) 6:00 PM St. Louis Public Library Buder4401 Hampton AvenueSt. LouisMO

2. 11-18-2022, Belleville West Astronomy Club Star Party 6:00PM Bellville West High School4063 Frank Scott Parkway WestBellvilleIL

3. 11-19-2022, Starry Nights at Stacy Park 6:00PM Stacy Park9750 Old Bonhomme RdOlivetteMO

4. 11-29-2022, Cliff Cave Library (RH)6:00PM St. Louis County Library Cliff Cave Branch5430 Telegraph RdSt. LouisMO

5. 11-30-2022, Daniel Boone Library (LTP) 7:00PM St. Louis County Library Daniel Boone Branch (Outreach Site)300 Clarkson RoadEllisvilleMO

6. 12-1-2022, O'Fallon IL Library (LTP) 6:30PM O'Fallon Public Library120 Civic PlzO'FallonIL

7. 12-4-2022, AIM FOR THE STARS 5:00PM Jefferson College Observatory9873 Farm RoadHillsboroMO

8. 12-6-2022, Grants View Library (LTP) 7:00PM St. Louis County Library Grant's View Branch9700 Musick RoadSt. LouisMO

Mark Jones
St. Louis Astronomical Society

St. Louis Astronomical Society
Devoted to the Interest and Advancement of the Science of Astronomy
Executive Board Meeting Minutes 10/6/2022

1. Opening Activities a. Attendance: Jim Small, Randy Harrison, Larry Campbell, Bill Winningham, Brad Waller, Mark Jones, Brent Buch b. Open Meeting; Meeting opened at 7:10pm c. Approval of last month's meeting minutes approved. Motion to accept by Jim, second by Bill, minutes approved d. Next Board meeting date: Dates for 2022: Nov 3, Dec 1 Meetings will be via Zoom until further notice:

2. Upcoming General Membership meeting topics: a. **Speaker**: Nathalie Nguyen-Quoc Ouellette b. Special Awards needed: none c. Speaker Press Release: Received necessary info from Dr Quellette Action: Mark to send October Speaker info to Brad and Rich H d. Special Business – None e. A101 –Mark Jones - Astro-events for Oct-Dec 2022; and Jim Small -Why special telescopes require special places f. Hospitality: Snacks and drinks Thanks to Brad, Mark, Larry for cleaning the store room before the September Meeting. Rolling cart shelves still sticky need to clean. Mark will bring Clorox wipes g. List of expiring memberships for the month

3. SLAS Financial Report (as of Aug 31st) a. Balance Sheet: $41K in savings; total assets $90K. Bill working on loaner scopes and value. Also, parts used at observatory. This is helpful in case we have a claim. Action: Mark to provide list of SLAS equipment used at JCO. Also list of loaner scope inventory. b. Profit/Loss report: event income $1970 includes scope sales; Donations $852; $18 interest, income TYD $11K c. Annual Budget meetings. Two meetings held so far. Next budget meeting is Oct 9th 6pm, Zoom d. Corporate filings: everything complete for 2022. Action: Bill to look at moving money to CDs to earn more interest Action: Bill has applied for the $50 state refund. Action: Don will check with JCC about insurance coverage for dome

4. Speaker Committee a. Budget - $400, $400 balance Brad plans to give Speakers a mug and a small meteorite, Brad needs to order more meteorites b. Upcoming speakers:

SLAS Monthly Meeting Presentations 2022 2023

Month	Name	Topic	Sponsor
21-Oct-2022	Nathalie Nguyen-Quoc Ouellette Univ of Montreal	JWST	
18-Nov-2022	Brett McGuire	TBD	MIT
16-Dec-2022	Alan Dyer	Astrophotography	Author
20-Jan-2023	17-Feb-2023	17-Mar-2023	21-April-2023
19-May-2023	William McKinnon Washington U.	Missions to Jupiter's Moons	

d. Topics of interest Katie Bouman e. Stipends f. Travel Action: Brad to contact Nov, Dec speakers for Press Release info Action: Brad to generate list of solstice prizes from June meeting and submit for reimbursement Action: Brad to submit invoices for speakers including coffee mugs and postage. Action: Jim to provide addresses for Stephen Hummel Brad has sent to mugs to all speakers for 2021 and 2022, except Stephen Hummel and Scott Roberts Action: Brad will give Scott Roberts mug to Randy Harrison and Randy will give to Tyler Bowman Action; Brad to ship mug to Stephen Hummel

5. Membership Initiatives a. Budget - $500, balance $380 b. Welcome Aboard Meetings – Action: Mark to send personal invitation new members to Oct meeting and to the observatory c. Raffles – none planned d. Attendance prizes – next ones December

6. Membership Recognition a. Total Budget $550, Balance $11 b. NSN Outreach Awards: c. Membership Report: Attached is the September 2022 membership report showing 242 members. Our peak this year was 245 members as reported in May 2022.Our membership count improved by 16 members over last month's count of 226 members in large part due to efforts by Bill Winningham, SLAS Treasurer, to address lagging renewals. We are adding new members at a slower pace than last year. We added 44 new members so far this year which is 24% fewer than the 58 new members reported last year at this time-Current Process: Every 2 months send out USPS notices for those about to expire. End of each year Don/Bill send out USPS notices to lapsed members for the year. We move expired memberships from active on NSN to Former Members every time we update ALCOR list. Don's process: 1. Expired memberships removed after 90-120 days. 2. When they renew Don uses their new renewal date unless it is less than 30 days New email account is slasrenewal@slasonline.org. Bill or Don can login and send emails from this address. Reply will go to treasurer Ideas:Send out USPS notices every 6 months Send out direct NSN message to expired members, more than 3 months Send out direct NSN message to members about to expire every month Send generic email blast to remind members have expired SLASDialogs, NSN, 3 months or less Publish in expired memberships Newsletter every month Action: Bill to create form letter with links and text form for members to renew. Include links to magazines and renewal. No need to create distribution lists for each month. Action: Bill sent out paper renewal notices out for all memberships through October. Action; Bill will send email to members who memberships are expiring Action: Bill to provide list of expiring memberships to SLASBoard and Jim for newsletter Action: Jim to display list of expiring memberships at start of Monthly General Meeting d. Member anniversary pins to be handed out at November Meeting Action: Larry to add budget for 2023 to get anniversary plaques for members with more than 50 years. Thane Bopp, Jim Melka and Bill Davis Action: Larry to make sure we have pins for 2022 service awards and buy more if needed. Mark to print certificates 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 3. Submittal deadlines 4. Nomination reviews: 5. Award selection: 6. Plaques purchased: 7. Awards presented: Action: Jim working perpetual plaques Action: Jim to purchase to 2022 plaques for December Action: Larry to send out award letters in October

7. Outreach - a. Budget - $620, balance $541b. Member Training Program Status: on hold for the time being.c. Purchase of T-shirts for volunteers completed training Action: Mark to write newsletter article about training program d. Purchase of lawn signs: Francis Park signs are getting stolen need to buy more for 2023. 4 more signs will cost $112. Board authorized Brad to buy the signs Action: Brad to buy replacement signs for FP e. Upcoming outreach events: Arch, Tower Grove and JCO f. Awards/recognitions – None g. NSN Outreach hours YTD: Total hours reported: 704 hours; Total miles driven: 1307.8 miles

8. Old Business: Order has been placed and Bill sent logo. $3056 invoice will be sent. They will send us proof to sign-off on before they print.

9. New Business: September Board Meeting – Motion "On Hold" Jim has solicited firm quote specific to our 16" telescope to know exactly what the upgrade will include. Board has decided to delay sending motion to general membership until firm quote can be received and reviewed Action: Jim to purchase new fan motor cable and Handbox for 10" LX200 from Meade

10. Other Committee Reports: If needed

MSRAL 2022:

A. SLSC Business: a. First Friday actions – There will be one tomorrow night but you need to pickup free tickets from SLSC b. Other immediate business Action: Invite Will Snyder to monthly SLAS Board Meeting

B. SLCL Business a. Annual contract – for talks by Rich H only. b. Upcoming events -

C. Jefferson College Business: a. Committee Meeting report: b. Upcoming Outreach Event: Aim for the Stars Nov 6

D. Library Telescope Committee a. Budget – $300, balance $300 b. Upcoming builds or maintenance events. Had build of 12 scopes Oct 5&6 c. Maintenance budget - $100 d. Mileage re-imbursement – see above e. Promotional materials - $200

E. SLAS Social Events a. Budget - $300, balance $45 b. Homemade Fest - $100 budget, balance $40 c. Star-B-Q - $200 budget, balance $5 d. Promoting Dobson-Fest event on Sep 17th

Other

F. SLAS Brochures a. Budget $200, balance $144 b. Quarter cards –

G. Loaner scope Program a. Budget - $100, balance $100 b. New donations: None c. Replacement Parts for the LPTs d. Items for sale **several:** $199.38 spent for full aperture solar filter for 16" at JCO

H. SLAS Library a. Budget - $500, balance $435 b. Other –

I. Merchandise New coffee mug design (JCO logo, SLAS Logo) - www.startorialist.com We used Discountmugs.com in 2018 Action: Anyone can go take Astro-photo of the JCO for the coffee mug and submit before September Board meeting Action: Mark send email to members to ask for Astro-photos to put on coffee cup

J. Telescope Making

(Continued on page 9)

St. Louis Astronomical Society
Profit & Loss Budget vs. Actual
January through October 2022

	Jan - Oct 22	Budget	$ Over Budget
Ordinary Income/Expense			
Income			
Events Income	2,341.46		2,341.46
Magazine Subscription	2,575.30	3,000.35	(425.05)
Membership Dues	4,800.00	4,635.00	165.00
Merchandise Sales		650.00	(650.00)
Total Income	9,716.76	8,285.35	1,431.41
Cost of Goods Sold			
Magazine Subscriptions	2,526.25	3,000.35	(474.10)
Total COGS	2,526.25	3,000.35	(474.10)
Gross Profit	7,190.51	5,285.00	1,905.51
Expense			
1-Programs & Events	1,759.67	3,115.00	(1,355.33)
2-Newsletter	333.93	475.00	(141.07)
3-Library expense	65.00	375.00	(310.00)
4-Astronomical League Dues	1,105.00	945.00	160.00
5-Loaner Scopes	199.38		
6-Brochures	56.35	500.00	(443.65)
7-Insurance	1,049.50	1,050.00	(0.50)
8-Website	335.24	750.00	(414.76)
9-Administrative Expenses	503.67	3,196.00	(2,692.33)
Total Expense	5,407.74	10,406.00	(4,998.26)
Net Ordinary Income	1,782.77	(5,121.00)	6,903.77
Other Income/Expense			
Other Income			
Donations	1,002.45		1,002.45
Interest Income	24.57	40.00	(15.43)
LTP Receipts	3,125.95		3,125.95
Non-Operating Income	1,749.46		
Proceeds from Lens Sales	2,151.96		
Total Other Income	8,054.39	40.00	8,014.39
Other Expense			
LTP Disbursements	1,425.04		1,425.04
Total Other Expense	1,425.04		1,425.04
Net Other Income	6,629.35	40.00	6,589.35
Net Income	**8,412.12**	**(5,081.00)**	**13,493.12**

St. Louis Astronomical Society
Balance Sheet
As of October 31, 2022

	Dec 31, 21	Oct 31, 22
ASSETS		
Current Assets		
Checking/Savings		
Checking - First Bank	7,447.09	15,711.85
Deposit, Certificate of	15,952.97	15,974.47
Library Telescope Escrow	797.00	1,147.27
PayPal	705.80	1,985.22
Savings - First Bank	41,149.86	41,152.93
Total Checking/Savings	66,052.72	75,971.74
Other Current Assets	2,675.61	675.61
Total Current Assets	68,728.33	76,647.35
Fixed Assets	15,783.04	15,506.14
TOTAL ASSETS	**84,511.37**	**92,153.49**
LIABILITIES & EQUITY		
Liabilities		
Current Liabilities		
Accounts Payable	770.00	0.00
Total Current Liabilities	770.00	0.00
Total Liabilities	770.00	0.00
Equity		
Opening Bal Equity	8,497.66	8,497.66
Retained Earnings	74,279.95	75,243.71
Net Income	963.76	8,412.12
Total Equity	83,741.37	92,153.49
TOTAL LIABILITIES & EQUITY	**84,511.37**	**92,153.49**

(Continued from page 8) ***Board Meeting Minutes***

K. Newsletter a. Budget $600, balance $266

L. Website - a. Budget $750, balance $415
M. Social Networking
N. Night Sky Network
O. SLASdialogs
P. Dark Site
Q. Observing Programs
R. Star Parties Donation: None for this month

11. Closing Activities Motion to adjourn the meeting by Larry, second by Bill, meeting adjourned at 9:25pm.

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 All meetings are on First Thursdays unless noted. ***Note: Board meetings will be via Zoom until further notice.*** Dates for 2022: Dec 1

SLAS Dark Sky Observing Dates Nov 26, Dec 17

Francis Park Events: These events are on Wednesdays of the week nearest the first quarter Moon See you next year!

Aim for the Stars Public events held on 1st Sundays at the Jefferson College Observatory and Patio. Dec 4

Stargazing at the Arch Events for the public held at the Gateway Arch
See you next year!

Sky Orienteering Events For members who want to gather and do some relaxed observing at Babler State Park (BSP) or at the Jefferson College Observatory (JCO) 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

Pattonville Observatory Public Viewing Dates 2022-2023: 12/2, 12/9, 1/6, 1/27, 2/10, 2/24, 3/10, 3/31, 4/14, 4/28, 5/5, 5/12

Broemmelsiek Astronomy Park Public Viewing Every Friday

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:

November

18 Fri	**SLAS Regular Meeting**
18 Fri	**Belleville West Astronomy Club**
19 Sat	**Stacy Park Starry Nights**
29 Mon	**Cliff Cave Library**
30 Tue	**Daniel Boone Library**

December

1 Wed	**SLAS Board Meeting**
1 Wed	**O'Fallon, IL Library**
4 Sun	**Aim For the Stars (Jeffco)**
6 Tue	**Grant's View Library**
7 Wed	**Mars Occultation from JCO**
16 Fri	**SLAS Regular Meeting**

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 Events

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 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:

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

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

Randy Harrison 618-267-1659
board25 at slasonline.org

ALCOR ***Bill Winningham*** 636-357-2763
(Astronomical League Correspondent)
treasurer at slasonline.org

MSRAL Rep. ***Peggy Walker*** 918-640-0832
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 slasonine.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***
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

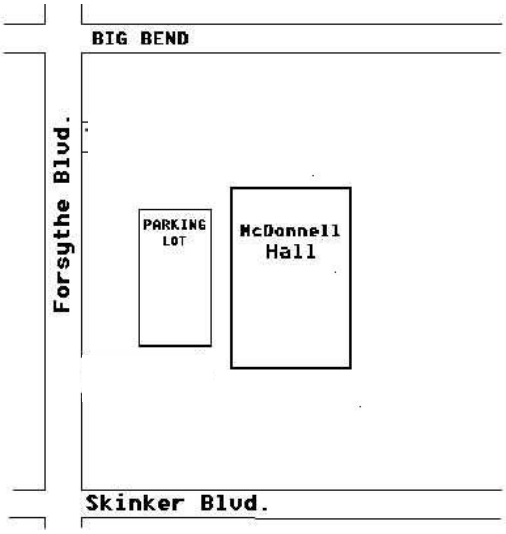
Follow us on
Twitter: @stlastro
Facebook: @stlastro

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 any-one 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