



**LIBRARY
TELESCOPE
MEMBER
TRAINING
WORKSHOP**

Date: January 29, 2015

Time: 7:00 pm – 8:45 pm

Location:

Schlafly Library
225 North Euclid Avenue
St. Louis, MO 63108
(314) 367-4120

Who Can Attend:

Members of SLAS and invited guests.

How to Register:

Register on the Night Sky Network

Or

Contact Don Ficken at

librarytelescope@slasonline.org

(314) 550-7191

St. Louis Astronomical Society
Library Telescope Program - Member Training Workshop
January 29, 2015

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I. Agenda (7pm – 9pm)

Module	Section	Description	Duration
Inside Program	Welcome and introductions	<ul style="list-style-type: none"> • Overview of agenda • Learning objectives • Overview of recognition program (see page 3) 	5 minutes
	Library Telescope Program Overview	<ul style="list-style-type: none"> • Program background • Current deployment (see page 4) • Typical checkout procedures • Star party scheduling • 2015 Plans 	10 minutes
	Introduction to the Library Telescope	<ul style="list-style-type: none"> • 4.5" reflector • Durable, light weight (14 pounds) • Gathers light equal to 250 human eyes • Craters on Moon; Jupiter and its Moons, Saturn • Large field of view • Magnification: 20 to 60 power 	5 minutes
	Telescope Operation Basics	<ul style="list-style-type: none"> • Picking up the telescope • Table top usage • Telescope basic anatomy (see "Quick Start Guide") • How to focus • How to zoom • Using the finder • Placing objects in the eyepiece • Packing the telescope • Transporting the telescope by car <p>Important:</p> <ul style="list-style-type: none"> ✓ Never look at the sun using the telescope ✓ Do not touch or attempt to clean the optics 	20 minutes
	Working With the Public	<ul style="list-style-type: none"> • Etiquette • Keep it simple • Let them do the work 	5 minutes
	Hands On Telescope Operation	<ul style="list-style-type: none"> • Pick up the telescope • Place the telescope on a table top • Use the red dot finder • Place an object in the eyepiece • Align the red dot finder 	15 minutes
	Night Sky Basics	<ul style="list-style-type: none"> • Using sky maps, planispheres and other tools • 10 easy objects to find (see page 5) 	15 minutes
Outside Program	Navigating the Night Sky	<ul style="list-style-type: none"> • Favorable weather: View night sky using telescope • Unfavorable weather: Continue discussion using sky maps, planispheres and other tools 	45 minutes

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II. Recognition Program

We appreciate your support of the SLAS Library Telescope Program and would like to show our appreciation by recognizing your contributions.

Level	Activities during calendar 2015	Recognition (see Notes)
Level I: Planetary	<ul style="list-style-type: none"> Attend one Library Telescope Member Training Workshop Attend ONE Library Telescope public event and show the public how to use the Library Telescope. 	<ul style="list-style-type: none"> Certificate of Recognition Public recognition at one SLAS regular meeting
Level II: Stellar	<ul style="list-style-type: none"> Attend one Library Telescope Member Training Workshop Attend THREE Library Telescope public events and show the public how to use the Library Telescope. 	<ul style="list-style-type: none"> Certificate of Recognition Public recognition at one SLAS regular meeting
Level III: Galaxy	<ul style="list-style-type: none"> Attend one Library Telescope Member Training Workshop Attend FIVE Library Telescope public events and show the public how to use the Library Telescope. 	<ul style="list-style-type: none"> Certificate of Recognition Public recognition at one SLAS regular meeting

Notes:

- 1) Member must be in good standing on the dates the requirements are completed to be eligible for the recognition award.
- 2) Everyone that successfully completes Library Telescope Training program will receive a free Edmund Scientific Star and Planet Locator
- 3) Each Library Telescope Training and/or Star Party event is counted toward achieving your Night Sky Network Outreach Pin which is awarded each year to members who participate in five or more outreach events.

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III. Library Telescope Program Overview

A. Current deployment

Location	Address		Telephone
ST. LOUIS COUNTY LIBRARY			
Headquarters	1640 S. Lindbergh Blvd	St. Louis, MO 63131	(314) 994-3300
Daniel Boone	300 Clarkson Rd.	Ellisville, MO 63011	(314) 994-3300
Florissant Valley	195 New Florissant Rd., S.	Florissant, MO 63031	(314) 994-3300
Lewis & Clark	9909 Lewis-Clark Blvd	St. Louis, MO 63136	(314) 994-3300
Tesson Ferry	9920 Lin-Ferry Dr.	St. Louis, MO 63123	(314) 994-3300
ST. LOUIS PUBLIC LIBRARY			
Central Library	1301 Olive Street	St. Louis, MO 63103	(314) 241-2288
Barr	1701 South Jefferson	St. Louis, MO 63104	(314) 771-7040
Julia Davis	4415 Natural Bridge Ave.	St. Louis, MO 63115	(314) 383-3021
Machacek	6424 Scanlan Avenue	St. Louis, MO 63139	(314) 781-2948
Schlafly	225 North Euclid Avenue	St. Louis, MO 63108	(314) 367-4120
MUNICIPAL LIBRARY CONSORTIUM OF ST. LOUIS			
Kirkwood Public Library	140 East Jefferson Avenue	Kirkwood, MO 63122	(314) 821-5770
University City Public Library	6701 Delmar Blvd	University City, MO 63130	(314) 727-3150

B. Typical checkout procedures

1. Must be eighteen-years or older
2. Must have a valid library card and state ID
3. Must pick-up and return the telescope at one the participating library locations
4. Checkout period is seven days
5. \$\$ penalties if not returned on time or if damaged.

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IV. Twelve Great Star Party Objects

NOTE: Many of these objects are seasonably available but some are always available presuming you have clear skies and a good view of the horizon.

1. Five Solar System Objects:
 - a. The Moon **
 - b. Saturn
 - c. Jupiter
 - d. Mars
2. Two Circumpolar Constellations
 - a. Ursa Major (The Big Bear) **
 - b. Cassiopeia (the Vain Queen) **
3. Two Seasonal Constellations:
 - a. Orion (the Hunter) - Winter
 - b. Cygnus (the Swan) - Summer
4. Two Impressive Stars
 - a. Polaris (the "North Star" in the constellation Ursa Major) **
 - b. Arcturus (in the constellation "Bootes")
5. Two fun "Double Stars"
 - a. Mizar and Alcor (second star in the handle of the Big Dipper) **
 - b. Albireo (in the Constellation "Cygnus", the Swan)

** Available in all seasons.