



**Mt. Wilson Observatory Trip** on Nov. 5-6 was a success! Our CCAS members enjoyed an all-night-long observing session with tours of both 60" and 100" reflector telescopes. Read full trip report on our website.

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**Next Meeting:** Thursday, Jan 28. Our guest speaker will be announced on our website.

**Next Star Gazing:** Saturday, Jan. 28 at the KOA in Santa Margarita. No star gazing Nov/Dec due to holidays falling on new moon weekends.

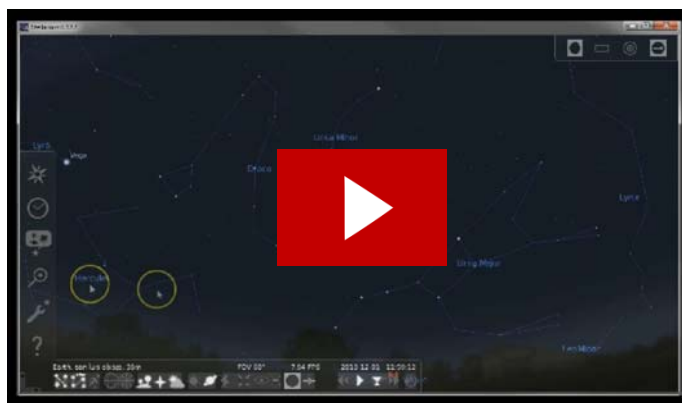
# Next Star Gazing

**Jan 28 at sunset at the Santa Margarita KOA**

Since we are not stargazing until Jan 28 next year, I thought you might enjoy learning how to use Stellarium, a powerful planetarium program you can access from your computer. I've made a video you might enjoy that you can find here:



<http://www.scicast.superchargedscience.com/star-gazing/>



You don't need any fancy viewing equipment to get started, only your log sheet (which you can print out from the website above) to help you locate the objects.

Start small, and find a couple of things on the first night. If you don't figure it out the first time, try again

the next night. I learned the northern sky by learning one new constellation every time I went star gazing, and pretty soon I had a lot of them that I could identify easily.

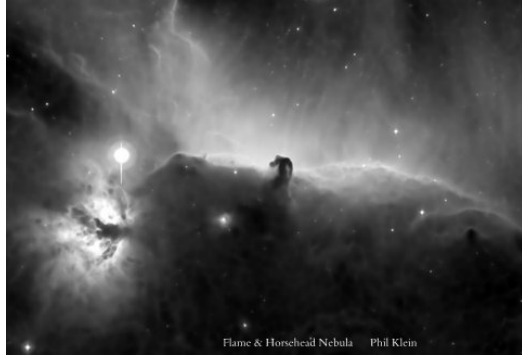
This isn't something that's going to work by osmosis. You will have to go outside, figure out where to look, and find the object. Figure out what you're looking for, and about where you can expect to find it, and practice and test yourself over and over until you can successfully find it every time.

If you're getting frustrated, it's time to stop and have a sip of hot cocoa before you try again. This is supposed to be a fun treasure hunt, so make it enjoyable!

~Aurora Lipper

# Member's Work

Work by CCAS Member Phillip Klein.



Flame Nebula (NGC-2024) and the Horses Head (B-33 silhouetted against IC-432)



Veil Nebula. This is the eastern half NGC 6992/6995. Although the effect is subtle look at the star count inside the Veil v outside it.



Comet Lovejoy. Nice shot of both the comet head and tail.



# Outreach Events

Here's a quick snapshot of events we've done recently that showcase our members in action!



Joseph Carro for Claiborne & Churchill Winery event on October 22<sup>nd</sup>. After the event, their feedback was...

*"We'd like to say Thank YOU so much for making our Astronomy Night a huge success and memorable for our guests. Many attendees commented how much they liked your presentation and several came back from last year when they found out that you were the speaker!"*



## **Astronomy Road Trip!**

**Our CCAS Members visited Mt. Wilson and stayed up all night observing and going on tours!**

Here's a quick snapshot of how their night went...

"We stumped the telescope operators operators and went through their whole list of their objects and managed to get in about six of our own objects. We ended up looking at about 27 objects.

"The 27'th object "Ghost of Jupiter" was in a bright dawn and only one or two were able to see it.

"Did I mention M-42. The view through their eyepieces with an O-III filter was just

stunning. Some of our members created a full write-up and log of our observing to be published on the website with photos."



# CCAS Officers

Feel free to connect with us!



President: Aurora Lipper

Vice President: Tom Frey

Vice President: Joseph Carro

Outreach Coordinator: Dave Majors

Treasurer: Lee Coombs

Celestial Advisor: Kent Wallace

Webmaster: Joe Richards

## This Is Your Chance!

Join our officer team and help us provide our club with leadership and new energy from people like you! By working with us 2-4 hours per month, you can help us make a difference to our community and help our club grow and expand.

**Email Aurora to request an invitation to our annual officer's meeting!**

## CCAS Contact Information

*Founded in 1979, the Central Coast Astronomical Society (CCAS) is an association of people who share a common interest in astronomy and related sciences.*

Central Coast Astronomical Society

PO Box 1415

San Luis Obispo, CA 93405

Website: [www.centralcoastastronomy.org](http://www.centralcoastastronomy.org)

Facebook: [www.facebook.com/CentralCoastAstronomicalSociety](https://www.facebook.com/CentralCoastAstronomicalSociety)



## Lectures & Star Parties

### MONTHLY MEETING & LECTURE

On the fourth Thursday of the month (Jan-May, Aug-Oct), we often have world-renowned professionals and amateurs in astronomy speak about their projects during our monthly meetings. The talks are informal and questions are invited.

Meetings begin at 7:30 p.m. in San Luis Obispo. For location and directions, visit our website: [www.sloastro.org](http://www.sloastro.org)

### OUTREACH PROGRAM

We offer a limited number of outreach programs where we bring our star party to you. These custom events include a talk about current topics in space science. After the lectures, we make our telescopes available for your group to observe the wonders of the night sky.

### STAR-GAZING EVENTS

Join us for a star-gazing evening by observing the dark skies through club members' telescopes. It begins just before sunset on one Saturday each month. The Star Party is hosted in Santa Margarita. (See website [www.sloastro.org](http://www.sloastro.org) for dates, times and locations).

**Need help operating your telescope?** Bring your telescope one hour early for help on how to work your telescope by our friendly astronomers.



## Why Join CCAS?

### BENEFITS OF MEMBERSHIP

- Subscription to *Celestial Newsletter*, our monthly bulletin of articles and events
- Interaction with world class speakers as they present cutting edge astronomical research
- Discounts on *Sky & Telescope* and *Astronomy* magazines
- Social events, such as our annual Star-B-Que
- Club telescopes – use one of the club's loaner scopes, complete with instructional lessons
- Access to 'Members Only' are of the website containing observing tips, scope tricks, and educational articles for all levels
- Field trips – to observatories and other locations of scientific interest, such as Mt. Wilson Observatory in Pasadena, Chabot, Space and Science Center, Fremont Peak, and the Stanford Linear Accelerator Center (registration fee may be requested)
- Extended observing hours on public nights and private observing sessions exclusively for CCAS members
- Assistance from club members, and other "how-tos" to help you best enjoy amateur astronomy and astrophotography

*Questions about membership or other events?*  
Call Lee Coombs at (805) 466-2788 or visit our website at:

**[www.sloastro.org](http://www.sloastro.org)**

## How to Join

### MEMBERSHIP APPLICATION

Membership is annual for each upcoming year, beginning when you first sign up. You can sign up online or mail in this form.

*Membership Categories* (Check one):

- ☐ \$15 Youth/Student  
☐ \$15 Seniors  
☐ \$20 Individual/Family

*Magazine subscriptions* Add specified amount to membership fee for a 1-year subscription.

☐ *Sky & Telescope* (+ \$33) only in September  
☐ *Astronomy* (+ \$34) only available in September

*Information: (PRINT CLEARLY!)*

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State, Zip \_\_\_\_\_

Home Phone \_\_\_\_\_

E-Mail \_\_\_\_\_

*Newsletter Subscription:*

You can choose E-Mail (recommended) or hard copy delivery for *Celestial Observer*. (check one)

- ☐ E-Mail (full color)  
☐ Hard Copy (black & white)

Please make checks payable to **Central Coast Astronomical Society** and mail to **P.O. Box 1415, San Luis Obispo, CA 93405.**