



*CCAS Member Dave Majors: Messier 22, an elliptical globular cluster in the constellation Sagittarius, near the Galactic bulge region. It is one of the brightest globulars that is visible in the night sky.*

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**Next Meeting:** *Dr. Bob Field, Cal Poly Astrophysics Dept.* will be our Jan 25<sup>th</sup> speaker at 7pm at SLOUMC!

No monthly club meetings in November or December.

**Next Star Gazing:** Saturday, Nov 18 and also on Dec 16 (of course, weather-permitting!) at sunset at the Santa Margarita KOA. Set up early to get a good spot with our astronomers!

# Next Club Meeting

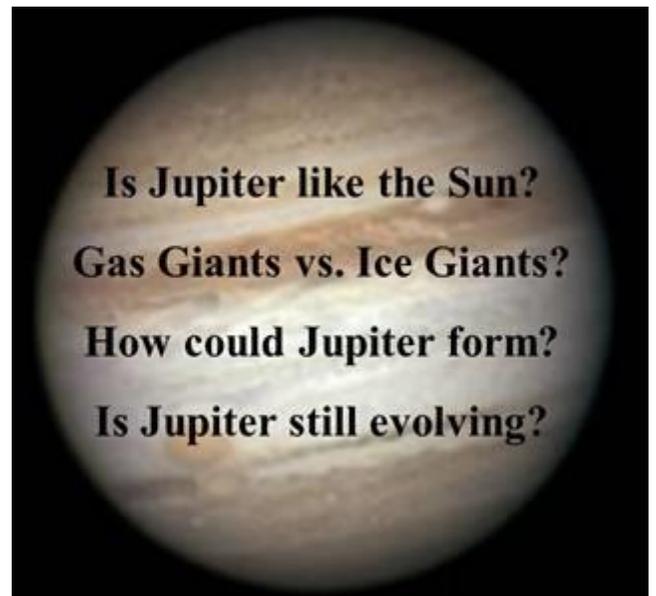
January 25, 2018 at 7pm at 1515 Frederick's Street in SLO



Dr. Bob Field is interested in everything from cosmology to astrobiology and artificial intelligence. Bob designed, built, and operated laser spectroscopic instruments to earn his PhD in experimental solid state physics. He designed and analyzed laser optical systems during his twenty year aerospace career. He was a state park docent

for ten years leading hikes and lecturing in the natural history museum and many other venues.

Bob is currently an adjunct physics professor and research scholar in residence at Cal Poly where he supervises student astrophysical and planetary projects. He is also developing computer models, simulations, and animations and a reference guide to cosmic evolution for his new project website at <https://evolution.calpoly.edu>.



His talk will address the formation and evolution of Jupiter, focusing on energy flow in its interior.

**About the meeting:** Arrive early to be sure you get a good seat! We'll also have time for show-and-tell, so if you have any new astronomy equipment you'd like to share with the group, feel free to bring it along.

# Next Star Gazing

**Nov. 18 & Dec. 16 at sunset  
at the Santa Margarita KOA**

Our Sky Star Parties occur once a month, and are free and open to the public, and also weather-permitting.

If you'd like to join us, park at the bottom of the hill and walk up to the telescopes just before sunset. If you're got a large, bulky telescope, please arrive *before* sunset to set up.



**Beautify Cambria  
& the Central Coast Astronomical Society  
invite you to  
An Evening with the Stars**

**Saturday, November 18  
6 p.m. – 9 p.m.  
Shamel Park, 5455 Windsor Blvd.**

**Suggested donation \$10  
Under 18 & CCAS members free**

- Presentation & Q&A by Joseph Carro of CCAS
- Laser tours of planets, constellations and more
- Telescopes courtesy of CCAS or bring your own
- Raffle of heavenly items from Cambria merchants
- Light food fare & soft drinks



*Your donation helps Beautify Cambria keep our town unique and beautiful, including projects to maintain our low level of light pollution and stunning night skies.*

# Member's Outreach!

The Central Coast and Vandenberg Astronomy clubs participated in a star party at Claiborne and Churchill Winery on the 28th of October. Tom Frey, Joseph Carro Ron Setina and Vince Tobin were present.

The sky was 50% clouded over at 5:30, but by 6:00 the skies were mostly overcast with the Moon able to peek out from time to time. By the time viewing was to begin the skies were completely covered. Not even a glow from the Moon was visible.



Even with the cloudy skies, Joseph Carro gave a wonderful presentation on early contributors to the science of Astronomy. Along with this he presented topics on eclipses, galaxies, planet detection techniques and much more. Even with the sky obscured, it was a good night.

~Ron Setina

CCAS also participated in an event at Lopez Lake was not a star party; rather it was the sixth annual Outdoor Discovery Festival on Oct. 7<sup>th</sup> at noon.



Dave Majors brought his Celestron C-6 on a computerized mount and a Coronado H-alpha solar scope. Ron Setina brought his equatorial mounted 6" Newtonian. I brought 14x100 Celestron binoculars attached to a UA parallelogram mount in addition to the EZ-Up canopy and graphic display materials.

The festival was well attended, with a steady stream of visitors from Los Angeles, Orcutt, Santa Maria, Grover Beach, San Luis Obispo, and Cambria. The telescopes were a popular draw for the visitors. They were enthralled with the very notable solar prominences as seen through Dave's Coronado H-alpha telescope, and amazed to learn one can see planets in broad daylight as they viewed a beautiful and brilliant Venus in Ron's Newtonian. The little kids delighted in looking at the ducks along the far shore of the lake through my giant binoculars. ~Scot McMillan



# CCAS Officers

Feel free to connect with us!



President: Joseph Carro

Vice President: Tom Frey

Communications: Aurora Lipper

Outreach Coordinator: Dave Majors

Treasurer: Lee Coombs

Celestial Advisor: Kent Wallace

Webmaster: Joe Richards

## 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

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