

# Cache Valley Clear Skies

The Journal of the Cache Valley Astronomical Society



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[www.cvas-utah.org](http://www.cvas-utah.org)

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## No Meeting This Month

There will be no CVAS meeting in July. Instead we will be having star parties. Please see the Upcoming Star Parties section of this newsletter or visit the website for the latest information about upcoming star parties.

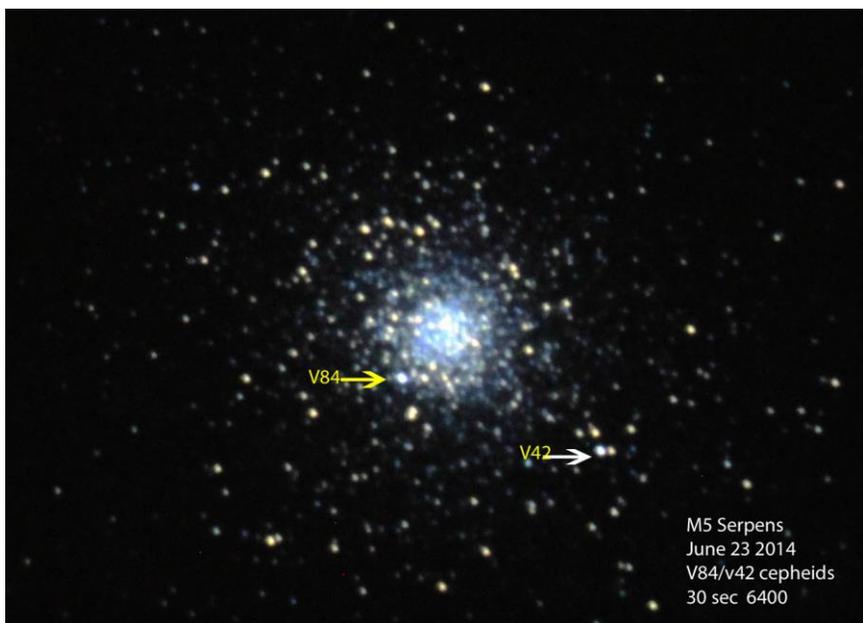
## From the President's Desk

It's summertime!! Warm evenings. Our observing doesn't get started until after 9:30 pm but it sure beats the cold weather.

I have been in contact with the USU Summer Citizens Activities group. They plan activities for hundreds of retired Arizona folks who come here for a few weeks to get out of their hot weather. They want us to present a star party for them on the USU Quad on July 18<sup>th</sup> (Friday) and July 25<sup>th</sup> (Friday). We will have a short discussion on astronomy and a laser pointer program showing them the stars and constellations before we begin our observing as 10 pm. We expect a large number of folks. If you would like to join us with a telescope we could use at least four or five. Give me a call at 435-787-6380, sometime this week.

Does anyone have any connection with any scouting groups that might be interested in astronomy? Let me know. We might be able to help put on a star party for them.

I have added some new astrophotos on our website ([cvas-Utah.org](http://cvas-Utah.org)). These include several submitted by club member Robert Cook. If you have any



M5 Serpens  
June 23 2014  
V84/v42 cepheids  
30 sec 6400

yourselves send them to me at [twestre45@aol.com](mailto:twestre45@aol.com) and I will post them. This past month my photo targets have been M8 Lagoon Nebula, M 16 Eagle nebula, M 97 Owl nebula, M 17 Omega Nebula, M 20 Trifid Nebula, Globular clusters M5, M22, M13, M 10, M 12, M 19, M 15, the Double Cluster, asteroids Vesta and Ceres, Moon, Saturn, and double stars Kappa Hercules, 95 Hercules, Lyra 1, Albireo, 61 Cygni, 17 Cygni, just to name a few.

Included is my photo of M 5 in Serpens showing two Cepheid variable stars. After reading "M5 surprise"

in the June, 2014 issue of Sky and Telescope which details V84 and V42 variables in M5, I decided to go out and image them. They are bright enough to see visually and they are seen in my photos. M5 five is just a little brighter than the famous M 13 in Hercules. These two variable can easily be seen in an 8 inch scope.

The Astronomical League has Double Star Observing Program. Here is a link to their 100 out of the thousands that exist. Some are easy to split and others are a challenge. Take you scope out and try them. Here is their link  
<http://www.astroleague.org/al/obsclubs/dblstar/dblstar2.html>

Don't forget about the Delta Aquarid meteor shower July 12 to August 23. It overlaps with the more famous Perseid meteor shower in August, and those who observe the Perseids are sure to see Delta Aquarid meteors flying on the same nights. Best time to look for both the Perseids and the Delta Aquarids is between midnight and dawn. They Peak about July 26 during new moon. So it's a perfect time to view them. The radiant for the Aquarids is just below the Square of Pegasus. Take some pics, using a DLSR and wide angle lens on a stable tripod with shutter release cable accurate focus and high ISO with exposures of 30 seconds or longer. Then shoot, shoot, shoot. Send me an email with pics if you get some good shots.

I hope you are all out observing as often as you can. Send me an email letting me know what you are observing.

## **CVAS Minutes – June 2014**

There was no meeting in June.

## **Upcoming Star Parties**

18 July	Star Party on the Quad
25 July	Star Party on the Quad
1 Aug	Star Party at Mt Logan
22 Aug	Star Party at Beaver Mtn
22-23 Aug	OAS Monte Cristo Star Party

## **Upcoming Events**

20 July	45 <sup>th</sup> Anniversary of Apollo 11 Moon Landing
26 July	New Moon
29-31 July	Delta Aquarid Meteor Shower
12-13 Aug	Peak of Perseids Meteor Shower
25 Aug	New Moon