

# 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)

## Annual Meeting This Month

Our annual general meeting will be held on Wednesday, September 16, 2015. At the time that this newsletter is being sent out the meeting location and time are still TBD. The meeting time will be either 7:00pm or 7:30pm depending on the location. We will let everyone know the meeting location and time via email as soon as it has been determined.



## Elections for Officers in September



# WE WANT YOU!

At the September annual meeting we will have the opportunity to elect officers. Please consider running for one of the officer positions.

## The President's Corner By Tom Westre, CVAS President

The summer has gone fast. Hope you were able to get that telescope out and enjoy the summer skies. Now fall is just a few weeks away. The CVAS year begins in September, so that means this month is our Annual General Meeting where we select new officers, which consist of President, VP, Secretary and Treasurer. These four make up the Executive Committee.

I am the current President, Dell Vance is the VP, Dale Hooper is the Secretary and Ned Miller is the Treasurer. The four of us have served for two years. It's been up to us to make sure CVAS runs like the constitution has outlined. We have organized star parties, meetings and other activities.

I have decided to step down as CVAS president. It's been a rewarding two years and I have enjoyed working with Dell, Dale and Ned. Supporting our love for astronomy has been our main goal.

It is important that everyone attend our Annual General Meeting September 16, so that you can vote on a new President and other members of the Executive Committee. According to our by-laws nominations for anyone interested in a position on the Executive Committee should be submitted to the Executive Committee two weeks prior to our Annual General Meeting.

At this point I am the only person stepping down from the Executive Committee. However, all Executive Committee positions are open. So make your nominations the next two weeks. We will take a vote on September 16<sup>th</sup>.

If there are no submissions, and no one desires to fill these positions then CVAS could dissolve. No proxy votes are allowed, you must be present to nominate and vote.

Another important issue that must be decided on during that meeting are dues. Currently dues are \$20 a year. If you wish to maintain your current membership in CVAS dues must be collected in September.

A related issue to dues is the newsletter. The Executive Committee will propose that only dues paying members and new visitors will receive the newsletter. We already have a dues requirement to use the club's loaner telescope.

Finally, we will propose to clean up our email list. We currently have 57 names on our email listing. We have not had any contact with at least 50% of those names during the past year or longer. We will propose that those names will be eliminated from the list. We will send out an email asking for a response if they want to keep their names on the list.

I hope that we have 57 turn out for our Annual Meeting. I cannot emphasize how important this meeting is. It would be a sad loss to Logan and

Cache Valley if our organization dissolved. An organization is only as good as it members. This is your club. We as a club have a lot to offer the people of Logan and Cache Valley. Let's continue to make CVAS a strong advocate for promoting astronomy.

See you at our September meeting.

Tom

Send your nominations to me: [twestre45@aol.com](mailto:twestre45@aol.com)

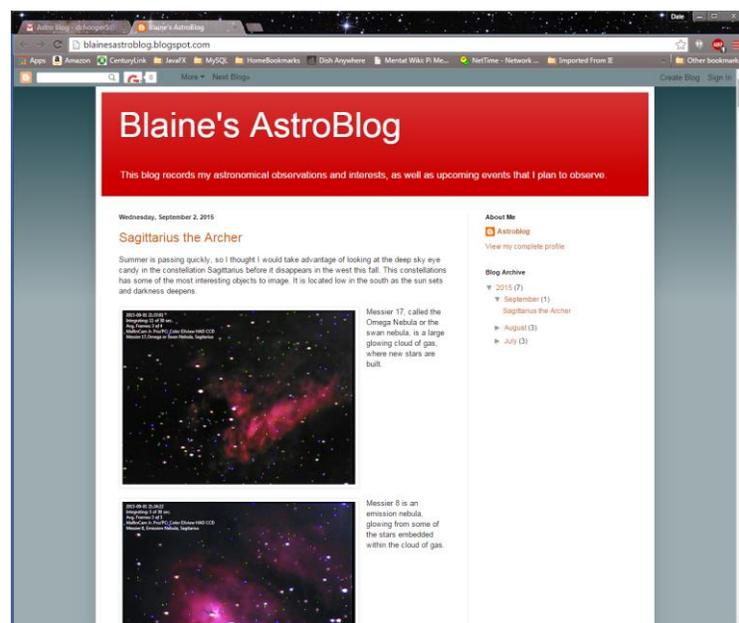
## Blaine's AstroBlog

CVAS member Blaine Dickey has started an astronomy blog. His description is, "this blog records my astronomical observations and interests, as well as upcoming events that I plan to observe."

His blog has tons of great images that he has captured using his MallinCam Jr Pro. He has invited us to all check the blog out. It is located at:

<http://blainesastroblog.blogspot.com/>

It is well worth visiting on a regular basis. Here is a recent screen shot:



## Total Lunar Eclipse – 27 September 2015

## Spotlight on Pegasus, the Winged Horse

- Submitted by Dale Hooper



Total Lunar Eclipse - 16 April 2014 - Dale Hooper

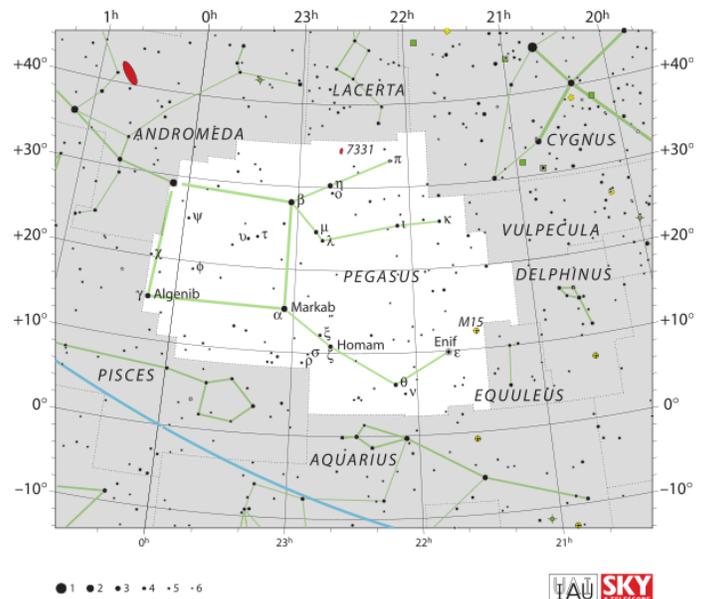
On Sunday, September 27<sup>th</sup> we have another opportunity to observe a total lunar eclipse. This will be the last total lunar eclipse that we can observe locally until January 31, 2018 so it would be good to not miss this opportunity.

Moonrise occurs after the partial eclipse is already in progress. To maximize observing time it would be best to observe from a location on the west side of the valley so that the moon will clear the mountains earlier. However, the mountains will also present a great opportunity to get some great photos.

The following table has times that are for Salt Lake City, but they should be reasonably close to what we will observe. You can tell from the altitude column that the moon will be rather low for this eclipse. But it should be fairly dark by the time totality begins.

Event	Time	Altitude
Partial Eclipse begins	7:07pm	-0.9°
Moonrise	7:13pm	0.0°
Totality Begins	8:11pm	10.1°
Maximum Eclipse	8:47pm	16.7°
Totality Ends	9:23pm	23.0°
Partial Eclipse ends	10:27pm	33.7°

Pegasus is a big constellation and the great square is easy to recognize. It is also a great jumping off point that can be used for locating M31 (the Andromeda galaxy). One of my favorite globular clusters, M15 is located at the western end of Pegasus. It is also the home for several fine multiple stars, several great looking galaxies and several galaxy clusters. The October issue of *Sky and Telescope* has a great article, “A Few of My Favorite Things”, on pages 32 – 38 about galaxy clusters in Pegasus.



IAU and Sky & Tel - Roger Sinnott & Rick Fienberg

One of the galaxy groups is Stephan’s Quintet which is too faint to include in our table below, but if you have at least a ten inch scope (with dark skies) you may see two or three of the galaxies. The coordinates for the brightest member, NGC 7320 (mag 12.6) are Right Ascension 22h36.1m and Declination +33°57’.

Most of the objects that I’ve listed rate at least four stars in *The Night Sky Observer’s Guide* (Pegasus is in Volume 1), however I have also included several additional galaxies which rate three stars. All of the double and multiple stars rate four stars. As usual, the table is organized according to increasing Right

Ascension values (as long as you consider wrapping around to zero increasing).

Object	R.A.	Dec.
Messier 15 (Globular Cluster)	21h30.0m	+12°10'
NGC 7177 (Galaxy mag 11.2)	22h00.7m	+17°44'
NGC 7217 (Galaxy mag 10.1)	22h07.9m	+31°22'
Σ2887 (Double star)	22h14.3m	+17°11'
NGC 7339 (Galaxy mag 12.2)	22h37.8m	+23°47'
44 Pegasi (Multiple star)	22h43.0m	+30°13'
NGC 7448 (Galaxy mag 12.6)	23h00.1m	+15°59'
NGC 7457 (Galaxy mag 11.2)	23h01.0m	+30°09'
NGC 7454 (Galaxy mag 11.8)	23h01.1m	+16°23'
NGC 7479 (Galaxy mag 10.8)	23h04.9m	+12°19'
57 Pegasi (Double star)	23h09.5m	+08°41'
NGC 7619 (Galaxy mag 11.1)	23h20.2m	+08°12'
NGC 7626 (Galaxy mag 11.1)	23h20.7m	+08°13'
Σ3007 (Double star)	23h22.8m	+20°34'
NGC 7678 (Galaxy mag 11.8)	23h28.5m	+22°25'
NGC 7741 (Galaxy mag 11.3)	23h43.9m	+26°05'
NGC 7742 (Galaxy mag 11.6)	23h44.3m	+10°46'
NGC 7743 (Galaxy mag 11.5)	23h44.4m	+09°56'
NGC 7769 (Galaxy mag 12.0)	23h51.1m	+20°09'
NGC 7814 (Galaxy mag 10.6)	00h03.3m	+16°09'

- 18 Sep Luna 2, first craft to impact Moon (1959)
- 19 Sep Saturn 3° south of Moon
- 19 Sep William Bond discovers Hyperion (moon of Saturn) (1848)
- 21 Sep First Quarter Moon
- 23 Sep Autumnal Equinox
- 23 Sep Neptune discovered (1846)
- 27 Sep Full Moon and Total Lunar Eclipse (see article)

## CVAS Minutes – August 2015

There was no meeting in August.

### Upcoming Star Parties

- 12 Sep Solar Party, Logan Library (11am to 1pm)
- 12 Sep Club Star Party at Gary Bracken's home: 920 N 6400 W, Petersboro
- 18 Sep Scout Camporee Star Party, American West Heritage Center, Point of Contact is Lyle

### Upcoming Events

- 5 Sep Last Quarter Moon
- 9 Sep E.E. Barnard discovers Amalthea (moon of Jupiter) (1892)
- 13 Sep New Moon