



# THE OBSERVER

## East Valley Astronomy Club



Perseid Meteors Over Ontario - APOD August13, 2013  
Darryl Van Gaal

### UPCOMING EVENTS:

- Public Star Party - August 8*
- Evac Monthly Meeting- August 15*
- Local Star Party - August 16*
- Deep Sky Star Party - August 23*
- Check out all of the upcoming club events in the Calendars on page 8*

### INSIDE THIS ISSUE:

### EVAC This Month by Claude Haynes

Elvis has left the building, or at least our telescope has. The GRCO opened eight years ago this fall. Since then we have had thousands of eyeballs gaze at the wonders of the sky. It is hard to believe it has been that long. Time for a little sprucing up.

We had another busy "Explore the Night Sky" program. Thanks again to Gordon Rosner for the lecture, and Brook Scofield, Lynn Young and Dan Hahne for assisting. With a big crowd I pulled Silvio's old dob out of the shed and set it up on the pad. The main scope was on

Mars and I locked on Saturn. Even though we start the lecture at 7, it still is pretty light when people came over to observe. It is fun to see the diversity of people, and to hear their comments. Yes, it's real. No, it isn't a slide.

Out meeting speaker for August is Henry DeJonge who has a presentation on the super massive black hole at the center of the Milky Way. Thanks again to Howard Anderson for an entertaining talk and some great images at the last meeting. Our September speaker is Dr Paul Knauth from ASU, and we

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# Evac This Month

*Continued from page 1*

have a special joint meeting with SAC on October 10 (second Friday, not third) with Fred Espenak who does the NASA eclipse website. Mark your calendars, it will be great fun.

## If It's Clear for August 2014

*by Fulton Wright, Jr. Prescott Astronomy Club*

Celestial events (from Sky & Telescope magazine, Astronomy magazine, and anywhere else I can find information) customized for Prescott, Arizona. Remember, the Moon is 1/2 degree or 30 arc-minutes in diameter. All times are Mountain Standard Time.

On Sunday, August 3, at 5:51 PM, the Moon is at first quarter phase. It should look half illuminated till it sets at 11:50 PM.

On Friday, August 8, almost any time in the evening, you can have a good look at the Moon's southwest (IAU, i.e., planetary, not celestial) part. Libration tips it toward us.

On Sunday, August 10, at 7:16 PM (7 minutes before sunset) the full Moon rises spoiling any chance of seeing faint fuzzies for the night.

The night of Tuesday, August 12, is the peak of the Perseid meteor shower, but the nearly full Moon will interfere. However, if you are out, particularly after midnight, within a day or two of that date, you might spot a few.

## The Backyard Astronomer

*by Bill Dellinges (August 2014)*

I In June my wife and I made our fifteenth run to the Grand Canyon North Rim Star Party. This year would be different in two respects. We called too late to acquire our beloved Western Cabin and had to settle for a room in their Motel. That's like flying coach instead of first class. I also called too late to book telescope space which meant - horror of horrors - I would not be allowed to set up a telescope on the veranda (No soup for you!). Yes, you do not simply show up with a scope and use it for any number of nights you please. Two factors conspire to limit the number of guest gazers: Space on the veranda puts a limit on how many scopes can be set up there - about a dozen. Popularity: Each year the North Rim seems to be attracting more gazers for the event. Thus

Keep looking up.

Claude

On Saturday, August 16, at 11:23 PM, the last quarter Moon rises.

On Monday, August 18, in the AM, the Moon will be passing through the Hyades occulting stars.

03:39 AM magnitude 3.8 Delta1 Tau disappears

04:14 AM magnitude 4.8 Delta2 Tau disappears

04:53 AM Delta1 reappears

05:56 AM Delta2 reappears

About 5 AM look down near the east horizon for rising of Venus, Jupiter, and the Beehive Cluster all "clustered" together.

On Sunday, August 24, it is now Moon and you have all night to hunt for faint fuzzies.

On Tuesday, August 26, after about 7:30 PM, Mars, Saturn, and Alpha2 Librae (Zubenelgenubi) form a fairly tight triangle 25 degrees above the southwest horizon. All month Mars and Saturn will be approaching each other.

the Saguaro Astronomy Club (SAC), which supervises the North Rim Star Party operation, has been forced to put a limit on how many telescopes can be set up on any given night. The Star Party has become a victim of its own success. Nevertheless, my wife and I decided to attend this event because we just love the North Rim! How bad could it be if I didn't bring a scope and partake in the festivities? PRETTY BAD! I felt like a duck out of water. A ship without a rudder. A man without a mission. In short, I hated it! This must never happen again! Oh for the good old days when you dropped in without checking with anyone. And there was NO paperwork! OK, I'm done whining.

# The Backyard Astronomer

*continued from page 2*

All four of our nights were clear. The most telescopes I saw on the veranda in one night were eleven. Most were Dobsonians in the 15" to 20" aperture range. It was funny to see them covered at day, akin to a gathering of ghosts. Two other scopes caught my attention. One was a TEC 140mm refractor on a CGEM-DX mount. What a beautiful hunk of metal and glass that was. M-17 was magnificent in it as was Saturn – razor sharp, though a tad dimmer than the nearby light buckets. But the legendary refractor optics, especially on this high end scope, really created a remarkable image compared to the softer (though brighter) images of the Big Boys. Another attractive scope was a Meade 12" SCT and Explore Scientific 127mm refractor set up tandem style on a CGE mount. That colossus drew a lot of attention.



It was weird just being another guest peering through the scopes and listening to the eager owners explaining the principles of their telescopes and what I was seeing in the eyepiece. So this was what it was like to be on the receiving end of lectures and to have to stand in line for them! I did smuggle in my 26x100 binoculars and set them up one night at a nearby trailhead a short distance from the Lodge. I needed a fix! A very rewarding two hours of cruising through the Milky Way from Scorpius to Cygnus ensued as I knocked off a couple dozen Messier Objects. I even snagged a few lodge guests passing by in the dark. Little did they know they were going to learn something about the Galaxy in which they reside. Most amateurs there were from SAC and they gave one hour slide show lectures each night in the Lodge. One night I was surprised to see a young woman, presumably a SAC member, giving a delightful astronomical slide show on a computer monitor in another area of the Lodge. She had a small audience of six or so people gathered around her and she was doing a remarkable job of explaining the astronomy behind the lovely color images of deep sky objects. I was very impressed by this island of peace as just outside chaos reigned on the veranda. Her charges were smart – she had no lines or crowding, and better images than the scopes outside were providing. Come to think of it, with today's technology, why do we even bother to set up scopes?!



**FIRST QUARTER MOON ON AUGUST 3 AT 20:50**

**\*FULL MOON ON AUGUST 10 AT 14:09**

**LAST QUARTER MOON ON AUGUST 17 AT 08:26**

**NEW MOON ON AUGUST 25 AT 10:13**

***Looking for that perfect weekend activity?***

***Why not resolve to getting involved?***

***Contact Dave Coshow to join the staff at GRCO***

***Email: [grco@evaconline.org](mailto:grco@evaconline.org)***



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# Upcoming Meetings

July 18

August 15

September 19

October 17

November 21

December 19

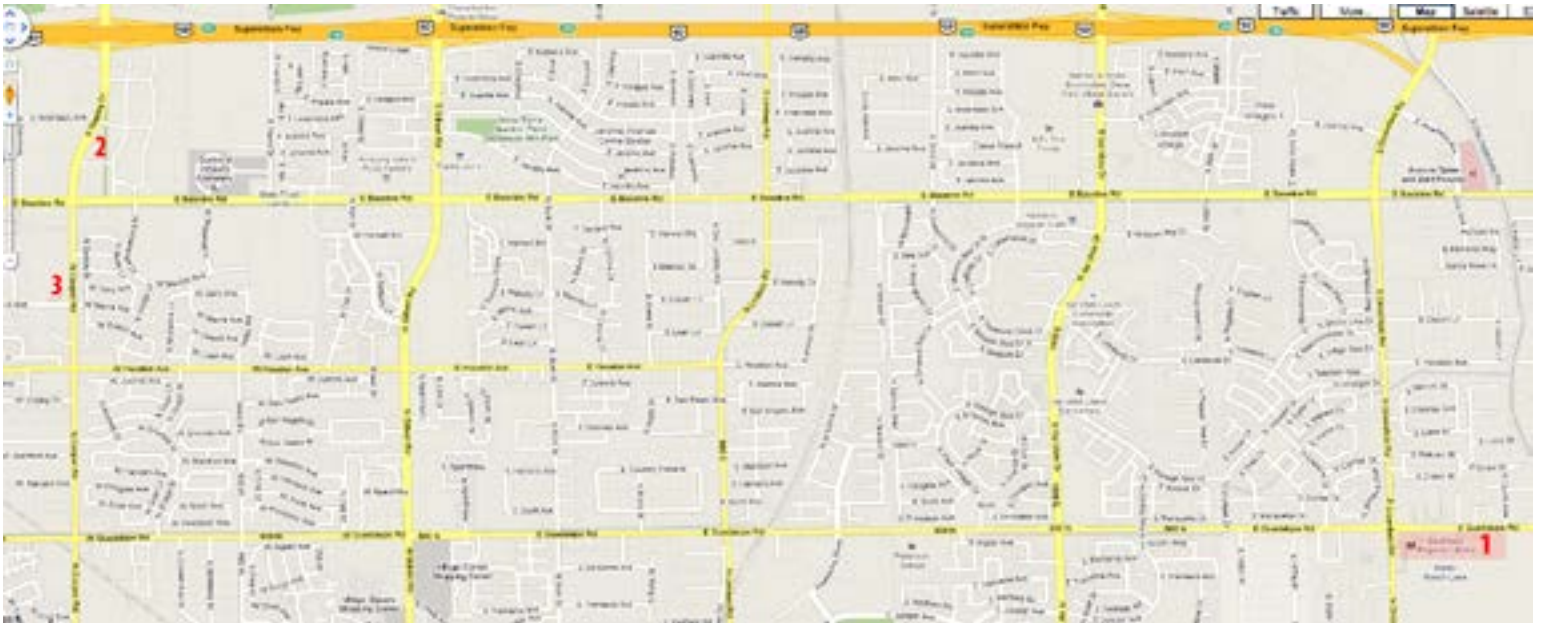
January 16

The monthly general meeting is your chance to find out what other club members are up to, learn about upcoming club events and listen to presentations by professional and well-known amateur astronomers.

Our meetings are held on the third Friday of each month at the Southeast Regional Library in Gilbert. The library is located at 775 N. Greenfield Road; on the southeast corner of Greenfield and Guadalupe Roads. Meetings begin at 7:30 pm.

All are welcome to attend the pre-meeting dinner at 5:30 pm. We meet at Old Country Buffet, located at 1855 S. Stapley Drive in Mesa. The restaurant is in the plaza on the northeast corner of Stapley and Baseline Roads, just south of US60.

***Visitors are always welcome!***



**2**

**Old Country Buffet**  
1855 S. Stapley Drive  
Mesa, Az. 85204

**1**

**Southeast Regional Library**  
775 N. Greenfield Road  
Gilbert, Az. 85234



## AUGUST 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	<b>8</b>	9
10	11	12	13	14	<b>15</b>	<b>16</b>
17	<b>18</b>	19	20	21	22	<b>23</b>
24	25	26	27	28	29	30

**August 8** - Riparian Public Star Party/Skywatch

**August 18** - Explore the Night Sky

**August 15** - General Meeting at SE Library

**August 23** - Deep Sky Star Party

**August 16** - Local Star Party

## SEPTEMBER 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	<b>12</b>	<b>13</b>
14	<b>15</b>	16	17	18	<b>19</b>	<b>20</b>
21	22	23	24	25	26	27
28	28	29	30			

**September 12** - Riparian Public Star Party

**September 19** - General Meeting at SE Library

**September 13** - Local Star Party

**September 20** - Deep Sky Star Party

**September 15** - EduPrize School



# East Valley Astronomy Club -- 2013 Membership Form

Please complete this form and return it to the club Treasurer at the next meeting or mail it to EVAC, PO Box 2202, Mesa, Az, 85214-2202. Please include a check or money order made payable to EVAC for the appropriate amount.

**IMPORTANT: All memberships expire on December 31 of each year.**

Select one of the following:

- New Member
  Renewal
  Change of Address

**New Member Dues** (dues are prorated, select according to the month you are joining the club):

- |   |   |
|---|---|
| <input type="checkbox"/> <b>\$30.00 Individual</b> January through March  | <input type="checkbox"/> <b>\$22.50 Individual</b> April through June       |
| <input type="checkbox"/> <b>\$35.00 Family</b> January through March      | <input type="checkbox"/> <b>\$26.25 Family</b> April through June           |
| <input type="checkbox"/> <b>\$15.00 Individual</b> July through September | <input type="checkbox"/> <b>\$37.50 Individual</b> October through December |
| <input type="checkbox"/> <b>\$17.50 Family</b> July through September     | <input type="checkbox"/> <b>\$43.75 Family</b> October through December     |
- Includes dues for the following year*

**Renewal** (current members only):

- \$30.00 Individual**
 **\$35.00 Family**

**Name Badges:**

- \$10.00** Each (including postage) Quantity: \_\_\_\_\_

Name to imprint: \_\_\_\_\_

**Total amount enclosed:**

*Please make check or money order payable to EVAC*

- Payment was remitted separately using PayPal
  Payment was remitted separately using my financial institution's online bill payment feature

Name:

Phone:

Address:

Email:

City, State, Zip:

- Publish email address on website

URL:

**How would you like to receive your monthly newsletter? (choose one option):**

- Electronic delivery (PDF) *Included with membership*
 US Mail **Please add \$10 to the total payment**

**Areas of Interest (check all that apply):**

- |  |   |
|--|---|
| <input type="checkbox"/> General Observing   | <input type="checkbox"/> Cosmology        |
| <input type="checkbox"/> Lunar Observing     | <input type="checkbox"/> Telescope Making |
| <input type="checkbox"/> Planetary Observing | <input type="checkbox"/> Astrophotography |
| <input type="checkbox"/> Deep Sky Observing  | <input type="checkbox"/> Other            |

Please describe your astronomy equipment:

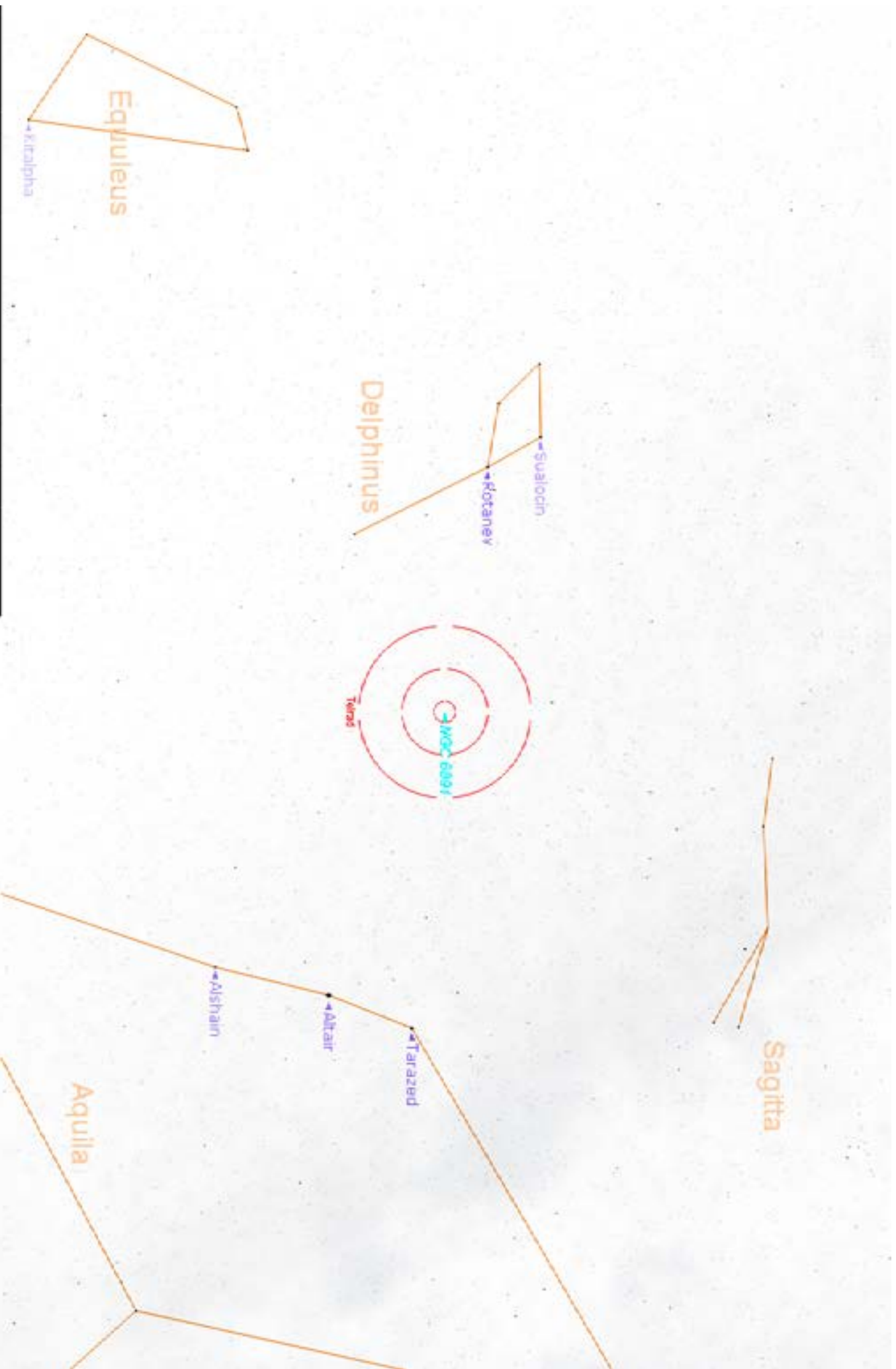
Would you be interested in attending a beginner's workshop?  Yes  No

How did you discover East Valley Astronomy Club?

**PO Box 2202**  
**Mesa, AZ 85214-2202**  
[www.evaconline.org](http://www.evaconline.org)

All members are required to have a liability release form (waiver) on file. Please complete one and forward to the Treasurer with your membership application or renewal.

# THE DEEP SKY OBJECT OF THE MONTH



NGC 6891 (PK 054-12.1) Planetary Nebula in Delphinus

RA 20h 15m 08.8s DEC +12° 42' 16" Magnitude: 10.5 Size: 16"

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East Valley Astronomy Club  
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Mesa, Az. 85214-2202

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