

THE OBSERVER East Valley Astronomy Club



UPCOMING EVENTS:

Deep Sky Star Party - November 2 Public Star Party - November 7 AZ Science & Astronomy Expo -November 16 & 17 General Meeting and Elections -November 15 Local Star Party - November 23 Deep Sky Star Part - November 30

Arizona Science and Astronomy Expo Tucson Arizona Saturday 11/16 - 08:30 AM -)6:00 PM Sunday 11/17 - 10:00 AM 05:00 PM

The Backyard Astronomer Overlooked Pleasures in Stargazing by Bill Dellinges

We stargaze because we love astronomy. But there may come a time when that love wanes. Should this malaise strike, you might consider some aspects of astronomy you've not explored or neglected. Here are some suggestions to get your astro-mojo back.

Binocular viewing: Take a break from one-eyed narrow field observing by scanning the sky with binoculars. Any size will do to begin with. From the venerable 7x50 to 25x100 giant binoculars, you'll revel in seeing a correct view, two to seven degree field that no telescope can compete with. Using two eyes will make your brain very happy. And you'll enjoy discovering new vistas around those familiar deep sky objects you've been observing over the years.

The Moon: Remember the Moon? As a beginner we spent a lot of time marveling over our nearest celestial neighbor - and rightly so. Perhaps it became the enemy because its brightness spoiled our deep sky observing. Then we avoided it altogether. Get a good moon map and renew your acquaintance with Luna. No other celestial object offers more detail for the binocular or telescope; the changing sunlight falling on its craters and mountains will bring never

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The Backyard Astronomer

Continued from page 1 ending surprises to the observer.

Keep an observing notebook: Do you move from object to object without recording what you've seen? It can be fun and insightful to keep notes of what you've been observing each night. It doesn't have to be highly detailed (unless you want it to be). Keep it simple to start, just logging in what objects were observed. Remember to show the date, time, location and seeing conditions. Eventually you may decide to add more detail to your recordings, like the telescope used, power, and impression the object made on you. It can be fun to look back at your entries later to see if you observed a certain object before or recount how a cow spooked you in the field.

Join a club: There are many advantages to joining your local astronomy club. By mixing with others with same love of the hobby, you can enjoy the camaraderie of other stargazers, gain or become a mentor, enjoy star parties at dark sky sites, check out other members' astronomical equipment or enjoy guest speakers at club meetings. The East Valley Astronomy Club offers twenty-two different observing programs where you're challenged to track down a certain number of objects

Evac Meeting Minutes

Claude Haynes called the meeting to order at 07:30 PM. Several visitors were introduced and Claude reported that the All Arizona Star Party was a success and thanked everyone who helped out.

Observatory Manager Dave Coshow reported that we had a fairly good month with only one cloud out. Our income is doing OK but the Assistant Managers need to make sure that the donation box is lit and accessible. We are still in need of operators. Please give one night a month to help us out. We are considering the acquisition of a Mallincam and outdoor display to give a look at what we are seeing in the scope.

Events Coordinator Lynn Young said that we will have a busy month for public outreach. The following school star parties are scheduled this month:

- November 5 Smith Jr High Star Party
- November 7 Paragon Science Academy
- November 14 Biscayne Bay Star Party
- November 20 Arcadia Neighborhood Star Party
- November 21 Webster Elementary Star Party

The public outreach events are a significant part of the role of EVAC in educating the public about astronomy. You don't have to be an expert or even own a telescope to lend a hand at one to these events. If you want to help just send an email to events@evaconline.org so we can gauge how much help we will have at a particular event. Come on out and see in the Messier, NGC, lunar, double star catalogs for example. Activities like this will likely accelerate your interest and knowledge of astronomy.

Naked eye observing: Take a night or an hour off from observing through the telescope, and use your planisphere and red light to re-familiarize yourself with the constellations. View the entire sky with the ultimate rich-field telescope – your eyes. The more time you spend looking up, the better the chance of seeing that once in a lifetime bolide. Find a new specialty: There's nothing wrong with being a general observer hopping from planets to galaxies to nebulae. But a stargazer can get a shot of adrenaline by zeroing in on a special type of object or area of astronomy. Perhaps it might be imaging, lunar or planetary observation, sketching what you observe, or building a telescope. I recently became interested in observing double stars and highly recommend it.

If you're happy doing what you're doing, keep doing it! But if your interest in astronomy seems to be flagging a bit, consider one or more of the above suggestions to rekindle the astronomer in you.

the look on the faces and listen to the comments when the public looks through a telescope.

Les Wagner gave a member presentation about the photos he took at the All Arizona Starparty with his 11 inch Celestron Fastar.

The next meeting will be held on November 15. The speaker will be Chris Cobally, Ph.D. - Vatican Observatory - "Astronomy in China. Elections will also be held. We still need to fill the following positions: Vice President, Treasurer, and one or two Board Members. If anyone is interested, please contact Claude Haynes.

Many EVAC members attended the Arizona Science and Astronomy Expo last year, and really enjoyed it. Also many are probably planning on attending again this year. The dates are: 11/16 & 11/17. The URL is:

http://www.scienceandastronomy.com/

There will also be a SW Astrophotography Seminar held on 11/14 and 11/15 sponsored by OPT. The Registration Fee is \$200 and includes admission Sat and Sun to the companion event: The URL is:

http://www.scienceandastronomy.com/speakers-events/ imaging-workshop/

If It's Clear... by Fulton Wright, Jr. Prescott Astronomy Club

November 2013

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.

This is the month where we should get a good look at Comet ISON. Look low in the east-southeast just before dawn in the second half of the month for the best view. See the current issues of Astronomy Magazine and Sky & Telescope for the latest info. The internet should also be a good source.

On Saturday, November 2, from 4:15 AM to 5:24 AM, lo's and Europa's shadows will be on Jupiter. Today is new Moon so you have all night to hunt for faint fuzzies.

On Sunday, November 3, at 2:00 AM the rest of America goes off Daylight Savings Time. Arizona, on the other hand, motors on as if nothing had happened. At 4:21 AM, the Moon almost completely covers the Sun from the point of view of Prescott. Unfortunately, there is this big ball of dirt (the Earth) in the way, i.e. they are below the horizon at the time, so we can't see anything. The best view is off the west coast of Africa where the eclipse is total. On Saturday, November 9, at 10:58 PM, the Moon is at first quarter phase. It sets at 11:58 PM.

On Sunday, November 17, about 5:30 AM, you can see comet ISON near Spica. The next morning it is on the other side of the star with its tail going over the star. The full Moon will not make this observation easy.

On Sunday, November 17, at 5:44 PM (20 minutes after sunset) the full Moon rises, spoiling any chance of seeing faint fuzzies for the night.

On Monday, November 25, about 6:45 AM, you can see Mercury, Saturn, and the comet near each other, very low in the east-southeast.

On the night of Monday, November 25, at 12:38 AM (Tuesday) the third quarter Moon rises.

On Friday, November 29, at 9:56 AM, the Moon passes in front of Spica. Since it is during the day, you will want a telescope at high power to see the star. Look for the Moon 44 degrees from the Sun, 11 degrees west of south, and 43 degrees above the horizon. The star will be located near the limb of the Moon, slightly below the midpoint of the crescent. The star pops back into view, from behind the dark limb of the Moon, at 11:13 AM.

NEW MOON ON NOVEMBER 3 AT 12:51 FIRST QUARTER MOON ON NOVEMBER 10 AT 5:58 *Full Moon on November 17 at 15:17 Last Quarter Moon on November 24 at 19:29 **Classified Ads**

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

Help Wanted EVAC Officers:

Vice President and Treasurer

Election at the November 15 meeting

Email: Claude Haynes - president@evaconline.



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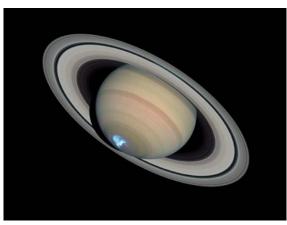
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Upcoming Meetings

November 15 Election of Officers Holiday Party - TBD January 17 February 21 March 21 April 19 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



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



NOVEMBER 2013						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

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November 2 - Deep Sky Observing Night

November 8 - Public Star Party & SkyWatch at

Riparian Preserve

November 14 - Biscayne Bay Star Party

November 15 - General Meeting at SE Library

November 20 - Arcadia Neighborhood Learning

Center Star Party

November 23 - Local Star Party

November 30 - Deep Sky Observing Night

DECEMBER 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- December 3 Poston Junior High
- December 5 Taylor Junior High
- December 6 MCC Red Mountain
- **December 9** King Junior High
- December 13 Public Star Party & SkyWatch at

Riparian Preserve

- **December 17** Akimei Middle School
- December 20 General Meeting at SE Library
- December 21 Local Star Party
- December 28 Deep Sky Observing Night

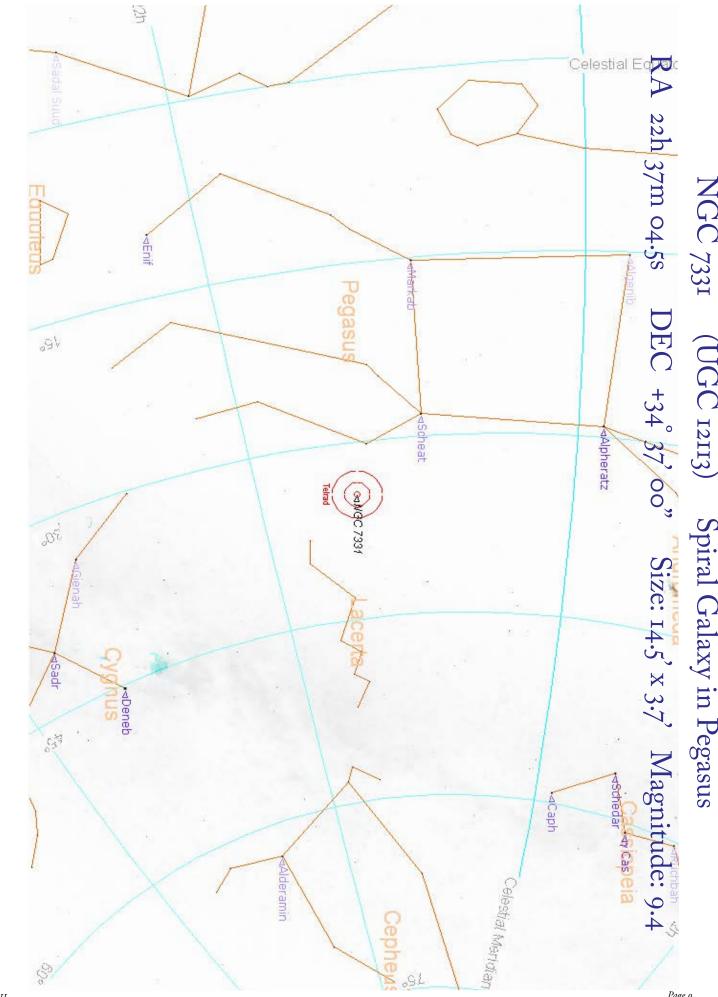
East Valley Astronomy Club -- 2013 Membership Form

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			nange of Add	
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\$30.00 Individual Jan	uary through March		\$22.50 Individual	-	rough June
\$35.00 Family Januar	y through March			April through	
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_	Included with membersh	·	US Mail Please ad	d \$10 to the	e total payment
Areas of Interest (check al	l that apply):	P	ease describe your	astronomy	equipment:
□ General Observing	Cosmology				
Lunar Observing	Telescope Making				
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□ Planetary Observing	□ Astrophotography				
Deep Sky Observing	□ Other				
- Deep Dry Observing					
Would you be interested in at	tending a heginner's worksho	pp?		D No	
How did you discover East Va		. <u> </u>		- 110	
PO Box 2202		s are require	d to have a liability r	elease form (waiver) on file. Ple
Mesa, AZ 85214-2	202 complete one	-	d to the Treasurer wi		
www.evacor	line.org or renewal.				

RA 22h 37m 04.5s DEC +34° 37' 00" NGC 7331 (UGC 12113) Spiral Galaxy in Pegasus Size: 14.5' x 3.7' Magnitude: 9.4



The Observer is the official publication of the East Valley Astronomy Club. It is published monthly and made available electronically as an Adobe PDF document the first week of the month. Printed copies are available at the monthly meeting. Mailed copies are available to members for a slight surcharge to offset printing and mailing expenses.

Please send your contributions, tips, suggestions and comments to the Editor at: news@evaconline.org Contributions may be edited. The views and opinions expressed in this newsletter do not necessarily represent those of the East Valley Astronomy Club, the publisher or editor.

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www.evaconline.org

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