



THE OBSERVER

East Valley Astronomy Club



The Cat's Eye Nebula from Hubble
APOD November 9, 2014

EVAC This Month by Claude Haynes

OK – I thought the clouds were going away, but it seems that El Niño, or Demons, are causing them to continue. For the patient folks on Saturday at the All Arizona Star Party, they were rewarded with a good night after about 9:00pm. Before that it was dismal. To quote Joni Mitchell (or Carly Simon... I always get those two confused); "I really don't know clouds at all".

The speaker for our next meeting is Dr. Peter Milne from the University of Arizona. His topic is "Accelerating Universe: Not So Fast?". It is great to have so many resources available to us from our

major universities. I am sure it will be a thought provoking lecture.

We will be auctioning off the 105mm Celestron Refractor that we had previously mentioned in the September Observer, and some assorted small items from the Observatory. These are items in the shed that are taking up space. They aren't of great value, but they do need to find a new home.

We had a nice gathering to commemorate the start of our tenth year of operation for GRCO. The Mayor attended and several other Town officials.

UPCOMING EVENTS:

- Local Star Party - November 7*
- Public Star Party - November 13*
- Deep Star Party - November 14*
- EVAC Monthly Meeting - November 20*
- Check out all of the upcoming club events in the Calendars on page 9*

INSIDE THIS ISSUE:

| | |
|--------------------------|----|
| <i>EVAC This Month</i> | 1 |
| <i>If It's Clear...</i> | 2 |
| <i>Telescope Auction</i> | 3 |
| <i>EVAC Election</i> | 4 |
| <i>Classified Ads</i> | 5 |
| <i>Meeting Maps</i> | 8 |
| <i>Calendar</i> | 9 |
| <i>Membership Form</i> | 10 |

EVAC This Month

Continued from page 1

Dave Coshow and I also gave a presentation to the Rotary Club. We are custodians of a wonderful gift to our community. Thanks to all our volunteers who make it such a special place.

Finally, we have a slate of officers for 2016. Nominations will be accepted from the floor, but these are the folks who have volunteered to accept positions:

- President – Don Wrigley
- Vice President – Claude Haynes

- Secretary – Jan Barstad
- Treasurer – Brooks Scofield
- Board Members– Wayne Thomas
- Dan Hahne
- Ray Heinle
- David Hatch
- Marty Pieczonka

Keep looking up.

Claude

If It's Clear...

by Fulton Wright, Jr. Prescott Astronomy Club

November 2015

Celestial events (from Sky & Telescope magazine, Astronomy magazine, and anywhere else I can find information) customized for Prescott, Arizona. All times are Mountain Standard Time.

The first third of the November might produce some fireball meteors from the low speed Taurids. If you are out at any time of night, be ready for the big flash. Then around the 17th come the high speed Leonids. As usual, meteors are hard to predict.

On Sunday, November 1, at 2:00 AM, most of the rest of the U.S. goes off daylight savings time. Remember, Arizona doesn't need to do anything while the rest of the country "Falls back".

On Monday, November 2, at about 6 AM, Venus and Mars are less than 1 degree apart. They are also close the following day. The thin crescent Moon will pass by Jupiter a couple of days later, and by Venus the next day.

On Monday, November 2, the Moon is at third quarter phase and rises at 11:38 PM.

On Wednesday, November 11, it is new Moon and you have all night to hunt for faint fuzzies.

On Tuesday, November 17, from 1:27 AM to 10:36 AM, Mercury passes behind the Sun. Needless to say, this event is completely unobservable. Don't even think about looking at the sun without a #14 welder's filter or equivalent.

On Tuesday, November 17, about 6:45 PM, you have a good chance of finding Pluto. The planet (magnitude 14 1/2) will be passing by a fairly bright star (Xi2 Sagittarii, magnitude 3 1/2). You will want a large telescope (12 inch) and dark skies to see this dim planet. It is also close the next night. Why not make a sketch the first night, then look for the dot that moved the second night. Sky and Telescope magazine has a finder chart on page 42 of the November 2015 issue.

On Wednesday, November 18, the Moon is at first quarter phase and sets at 12:02 AM (Thursday).

On Wednesday, November 25, the full Moon rises at 5:39 PM (18 minutes after sunset) spoiling any chance of seeing faint fuzzies for the night.

On Thursday, November 26, you can see the north-east (IAU, east is to the right of north) part of the Moon at its best. Libration tips that part toward us.

Find Out What's Happening – Join EVAC-Announce List

If you would like to receive email announcements about EVAC meetings and activities please join the EVAC–Announce mailing list. Click on the link below to subscribe. Enter your full email address in the box titled User Options and press OK. You will receive a confirmation email. Your privacy is respected by EVAC and we will never sell your email address, or use it for non-club relevant solicitations. This mailing list is designed for communication from EVAC, and does not enable users to respond to the message. If you wish to contact club officers, please use the list on the Contact-Us tab.

To subscribe to the EVAC – Announce mail group click:

<http://www.freelists.org/list/evac-announce>

To unsubscribe use the same link, enter your email address and select Unsubscribe from the “Choose An Action” list.

Telescope Auction at November Meeting

105mm Celestron Refractor



East Valley Astronomy Club Election of Officers

Friday - November 20, 2015

President - Don Wrigley

Vice President - Claude Haynes

Secretary - Jan Barstad

Treasurer - Brook Scofield

Board Members:

Wayne Thomas

Dan Hahne

David Hatch

Ray Heinle

Marty Pieczonka

LAST QUARTER MOON ON NOVEMBER 3 AT 07:24

NEW MOON ON NOVEMBER 11 AT 12:47

FIRST QUARTER MOON ON NOVEMBER 19 AT 01:27

***FULL MOON ON NOVEMBER 25 AT 17:44**



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***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***

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Upcoming Meetings

November 20

December 18

January 15

February 19

March 18

April 15

May 20

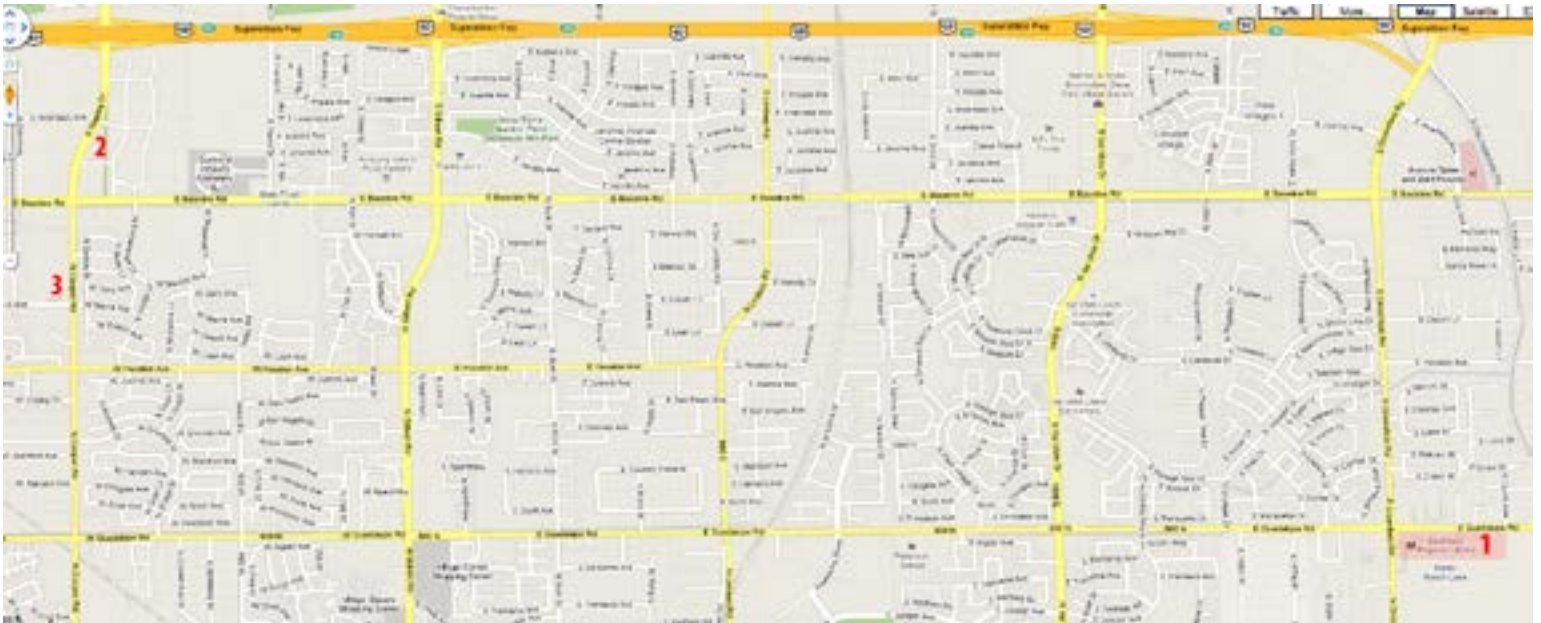
June 17

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



NOVEMBER 2015

| 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 | | | | | |

Nov 5 - Zaharis Elementary School

Nov 7 - Local Star Party

Nov 10 - JO Combs Middle School

Nov 12 - Apache Junction HS

Nov 13 - Public Star Party

Nov 14 - Deep Sky Party

Nov 18 - Smith Junior High

Nov 20 - EVAC Monthly Meeting

DECEMBER 2015

| 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 | | |

Dec 1 - Poston Junior High

Dec 3 - Akimel A-al Middle School

Dec 5 - Local Star Party

Dec 11 - Public Star Party

Dec 12 - Deep Sky Party

Dec 15 - ASU Preparatory Academy

Dec 16 - Gateway Polytechnic Academy

Dec 18 - EVAC Monthly Meeting

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"/> \$30.00 Individual January through March | <input type="checkbox"/> \$22.50 Individual April through June |
| <input type="checkbox"/> \$35.00 Family January through March | <input type="checkbox"/> \$26.25 Family April through June |
| <input type="checkbox"/> \$15.00 Individual July through September | <input type="checkbox"/> \$37.50 Individual October through December |
| <input type="checkbox"/> \$17.50 Family July through September | <input type="checkbox"/> \$43.75 Family 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

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 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@evaonline.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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The East Valley Astronomy Club is a 501(c)(3) nonprofit charitable organization.

www.evaonline.org

East Valley Astronomy Club
PO Box 2202
Mesa, Az. 85214-2202

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Vice President: Dan Hahne

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Webmaster: Marty Pieczonka

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Observatory Manager: Dave Coshow