



THE OBSERVER



[Bob Austin - IC 63 The Ghost of Cassiopeia](#)

UPCOMING EVENTS:

GRCO Monthly Star Party - Nov. 14th
EVAC Monthly Club Meeting - Nov. 21st

For more details, and to see all of the upcoming club events, check out the [events page](#) on our website or the [Calendar](#) page of this newsletter.

INSIDE THIS ISSUE:

From the Desk of the President *by Steve Bradshaw*

Unlike last year, we were able to hold the All-AZ Star Party at our Hovatter Rd. site near Quartzsite — and this time, the weather fully cooperated. We enjoyed calm winds, mild temperatures, and, most importantly, two nights of clear skies. It was awesome!

We had a great turnout. Quite a number of EVAC members attended, along with a small group from the Saguaro Astronomy Club (SAC). I'm especially thankful to the SAC members who immediately pitched in to help set up the kitchen area when I arrived with a U-Haul trailer full of food and camp kitchen gear. Thank you, SAC! I'm equally grateful to the EVAC folks — and one SAC member — who helped me take

everything down and pack it up two days later.

If you're part of our Facebook group, you've probably already seen some of the photos from the event. I spent both nights walking around and checking in on folks, and the clear favorites of the weekend were the comets Lemmon and Swan. I saw fantastic visual views through several telescopes and stunning photos of both. I particularly liked Comet Lemmon for its distinctive blue ion tail and bright white dust tail.

Andrew Thorpe rented the club's Celestron Origin for the event — the first time I'd seen it in action.

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From the Desk of the President

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It provided beautiful views of the sky and seemed incredibly easy to use. Andrew projected the images on his iPad and saved them to a thumb drive at the end of the event. If you haven't tried the Origin yet, you might want to consider renting it. Merrill Jencks used it about a month ago and will be giving a member presentation about it at this month's club meeting.

Despite all the amazing astronomy happening that weekend, what I appreciated most was the social connection. When I became club president in 2024, I asked myself what my goals should be. My top priority was to create more opportunities for members to interact socially. That's why we now include a break during club meetings, take trips together, emphasize service at GRCO and public outreach events, and support gatherings like the Hyman Rim Ranch

Star Party and small group events at Picket Post. Astronomy is incredible — but the community is even better.

From what I saw at the All-AZ event, many members have truly embraced these opportunities to build friendships. It was wonderful to see so many people spending time together and genuinely enjoying each other's company. I'm deeply thankful for that.

As we wrap up another year, I hope we continue on this positive trajectory. Here's to an even better 2026!

Until next month enjoy looking up, learning, and connecting with others,

Steve

Moon Phases November 2025



Full "Beaver" Moon

Third Quarter Moon

New Moon

First Quarter Moon

November 5th

November 11th

November 19th

November 27th

6:19 AM

10:28 PM

11:47 PM

11:58 PM

The Hunter's Moon (Some Years)

The Full Moon in November is named after beavers. It can also be the Hunter's Moon, if it follows the Harvest Moon, or Mourning Moon, depending on the December solstice.

The Hunter's Moon follows the Harvest Moon. Every three years or so, the Harvest Moon falls in October, which makes November's Full Moon the Hunter's Moon.

This happens in 2025. The closest Full Moon to the September equinox (on September 22nd) was on October 7th: This was the Harvest Moon. The following Full Moon is November 5th—this becomes the Hunter's Moon.

In Celtic tradition, the last Full Moon before the December solstice has also been named the Mourning Moon or the Darkest Depths Moon.

The astronomical seasons do not match up with the lunar months. Therefore, the month of the Mourning Moon in the Northern Hemisphere varies. In some years, the Mourning Moon is in November, while in others, it is in December.

EVAC Outreach Events - November 2025

by Alice Kobe

Confirmed November Star Parties:

- November 13th - 6:00 PM til 7:30 PM - Fulton Homes At Cooley Station HOA
- November 14th - Sundown til 9:30 PM - GRCO 2nd Friday Public Star Party
- November 18th - 6:00 PM til 7:00 PM - Ironwood Crossing HOA
- November 20th - 6:00 PM til 8:00 PM - Chandler-Gilbert Community College

Details can be found on the EVAC website - evaonline.org/events-meetings.

Updates, reminders, etc. associated with outreach events are done via email. To sign up and receive these emails go to freelists.org/list/evac-outreach to be added on the mailing list.

Just a few reminders for all star party events:

1. After signing up on the EVAC outreach email list, always check your email before leaving for an event for any updates, changes, or cancellations.
2. Arrive early enough to have your equipment setup before start time of the event.
3. We do not allow any public viewing until the Sun is completely below the horizon.
4. No lasers mounted on telescopes. Volunteers are allowed to use lasers to point out objects in the night sky by holding the laser above your head while using. Do not give the laser to visitors to operate.
5. Be familiar with the Public Outreach Events Operations Manual - found [here](#).

EVAC Starry Rewards Outreach Volunteer Luncheon

Congratulations to the following club members who volunteered at 10 or more outreach events this year:

Adam Baum (19), Alice Klobe (42), Andrea Matthias (10), Brooks Scofield (13), Claude Haynes (39), David Patroit (15), Don Wrigley (29), Gordon Rosner (42), John Dunegan (17), Josh Eyre (20), Nathan Eskey (13), Steve Bradshaw (27), Yesenia Galeana (14).

Rewards Luncheon October 11th at Rancho de Tia Rosa



EVAC Monthly Club Meeting Minutes - October 17, 2025

by Jeff Foreman

Meeting Minutes

YouTube: Many EVAC monthly meetings can be viewed on YouTube. Just search for the East Valley Astronomy Club on the YouTube website to locate the recordings, or select this [link](#) for the recordings.

Welcome

- EVAC President, Steve Bradshaw, invited everyone to the meeting.
- There were 2 new guests recognized.
- There were 50 people in attendance and 25 on the Zoom call.
- Membership and Information: Members were reminded how to join and stay informed via email announcements, the website, and the club's Facebook page.
- Classes: James Yoder is starting a Beginner Telescope Class on October 27th, consisting of five Zoom sessions and four hands-on telescope nights.
- Alice Klobe, the Events Coordinator, provided details on the East Valley Astronomy Club's (EVAC) mission to give back to the community and share the love of astronomy through two primary avenues: The GRCO Observatory and Public Outreach Events. Alice also reviewed past and future public outreaches for the club.
- Election for 2026 officers will be held at the club meeting in November.
 - Vice President – Andrea Mathias
 - Secretary – John Dunegan
 - Board Members – Merrell Jenks, Leo Libby, Martin Cuevas
 - No candidate yet for President or Treasurer.
 - Steve & Brooks are considering another term if needed. If so, a vote will be needed to amend the bylaws at the November meeting.
- The club's big yearly event, the All-AZ Star Party, is scheduled for October 24th and 25th at the Hovatter Road site. The event will feature a potluck, a build-your-own taco bar (\$5), and a raffle with a 127mm Mak-Cass telescope as the grand prize.

Featured Speakers

Club member, Nathan Eskey, introduced the Libby Library app, a free digital borrowing platform connected to your local public library, allowing users to download ebooks, audiobooks, and magazines onto their smartphone, tablet, or computer using their library card. Libby features extensive educational materials, particularly in astronomy, where users can find the popular Astronomy magazine, a wide catalog of astronomical books covering everything from popular science to beginner's guides, including titles by authors like Neil deGrasse Tyson and Bill Bryson. Standard Libby features remain available, such as offline access, progress syncing across devices, and the ability to send ebooks to a Kindle. The availability of these specific astronomy resources depends on your local library's current collection.

Robert Asumendi, presented via Zoom his company, Analog Sky, which specializes in designing and selling DIY kits for 3D-printed astronomical binoculars and telescopes. Mr. Asumendi shared that his motivation for creating these designs stemmed from frustrations with traditional telescopes, specifically issues related to astigmatism. Analog Sky kits provide everything needed for assembly: all 3D-printed parts, optics, and hardware. He showcased several models, including the Magic, which features 50mm f/4.5 objective lenses for a bright, wide field of view, and The Heart, equipped with larger 80mm f/5 objectives. Concluding the talk, Mr. Asumendi revealed the newest model, The Bloom, a large-aperture binocular telescope featuring 8-inch (200mm) mirrors designed for deep-sky observation.

Vanessa Gressieux, Guide and Docent Coordinator at Kitt Peak National Observatory (KPNO), shared details about the observatory's vibrant public outreach efforts. These programs rely heavily on both dedicated Volunteer Docents who lead daytime tours of major instruments, such as the historic McMath-Pierce Solar Telescope, and Paid Evening Guides who conduct the popular Nightly Observing Programs. Both volunteer and paid roles are crucial in sharing the cutting-edge science happening at KPNO with the public, from school groups to dedicated amateur astronomers.

Used Equipment For Sale at Great Prices

The East Valley Astronomy Club (EVAC) has used astronomy equipment for sale. Please note that equipment sales are **“as is”** and are **“pick-up only”**.

For more details and to answer any questions, contact the EVAC Property Director, James Yoder (properties@evaonline.org) or visit the EVAC Sales webpage [HERE](#). This page includes a brief description of the items, photos and reference materials (e.g. users manuals, etc.).

Equipment being offered for sale this month includes:

- [Meade ETX-LS 6" ACF GPS System \\$650](#)
- [Portable 12.5" f/4.5 Newtonian, polar axis mount \\$1,500](#)
- [Meade LX200 GPS SCT UHTC Package \\$1,800](#)
- [Celestron AVX Mount and Tripod \\$600](#)
- [2" Eyepiece Set with Filters \\$450](#)
- [Orion StarSeeker IV Mount and Tripod \\$150](#)
- [Orion AstroView 6 EQ Newtonian telescope \\$300](#)
- [Celestron C4.5 Newtonian \\$150](#)
- [Assorted Eyepieces Group 1 \\$15/each](#)

EVAC Members Sales

- [Athlon Midas G2 10×50 \\$250](#)
- [AVX Mount and Tripod \\$700](#)
- [Zhumell 20x80 Binoculars \\$250](#)
- [Orion Scenix 7×50 Binoculars \\$40](#)
- [8 X 40 Camo Binoculars \\$20](#)

EVAC Equipment Rental Program - Select [THIS LINK](#) to submit a request to reserve equipment.

Equipment rental is available to East Valley Astronomy Club (EVAC) members. Equipment rental rate is \$25/week for up to four weeks at a time. The following equipment is available:

Telescopes

- [Celestron C-8 with Nexstar GoTo mount](#) (Telescope Package SCT01)
- [Celestron 10" Dobsonian Telescope](#) (Telescope Package DBB01)

Imaging Packages

- [Celestron Origin Intelligent Home Observatory](#) (Imaging Package ST01)
- [SeeStar S50 All-In-One smart telescope](#) (Imaging Package S50)
- [Planetary & Moon Imaging Kit](#) (Imaging Kit 01)

Visual Filters Kit

- [Twelve 1.25" filters for deep sky objects](#) (Filters Kit VFR01)

EVAC Equipment Restrictions and Requirements

- Must be EVAC member in good standing (dues are current).
- Rent is on a weekly basis and not to exceed four consecutive weeks.
- Equipment Pick-up and Drop-Off location and times will need to be coordinated with the EVAC property manager.
- Rental fee is due upon pick up of equipment.
- A security deposit is required for equipment being rented (see equipment details for amount).
- Each package has an associated Rental Agreement that must be completed and signed.



SkyPi Remote Observatory

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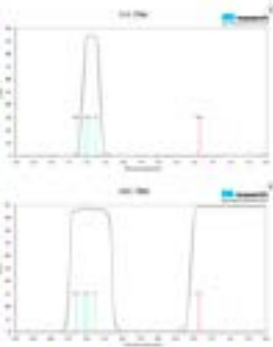
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in
Arizona



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www.apache-sitgreaves.org

Monthly Meetings will be held in person and also presented live online using Zoom. See the EVAC Web-site for updates.

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 7:00 pm.

Meetings are also available online via Zoom.

Visitors are always welcome!



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



November 2025

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						

November 13th - 6:00 PM to 7:30 PM - Fulton Ranch at Cooley Station HOA Star Party

November 14th - Sunset to 9:30 PM - EVAC/GRCO Monthly 2nd Friday Star Party

November 18th - 7:00 PM to 9:00 PM - Ironwood Crossing HOA Star Party

November 20th - 6:00 PM to 8:00 PM - Chandler Gilbert Community College Star Party

November 21st - 7:00 PM to 9:00 PM - EVAC Monthly Meeting

December 2025

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 4th - 6:00 PM to 7:30 PM - Canyon Valley High School Star Party

December 12th - Sunset to 9:30 PM - EVAC/GRCO Monthly 2nd Friday Star Party

December 19th - 7:00 PM to 9:00 PM - EVAC Monthly Meeting

East Valley Astronomy Club - 2024 Membership Form

Member Dues (Based on the month you are joining the club)

	Individual	Family	Student (18yr+ with ID)
January - June	\$30.00	\$35.00	\$20.00
July - December (<i>Renew in January</i>)	\$15.00	\$20.00	\$10.00
	☐	☐	☐

Renewal Dues (Current Members Only)

Astronomical League: \$10.00 Annually: ☐

Individual	Family	Student (18yr+ with ID)
\$30.00	\$35.00	\$20.00
☐	☐	☐

Name Badges: Quantity: _____

☐ \$10.00 Each

Name to imprint: _____

Total amount enclosed:

Please make check or money order payable to EVAC.

Payment will be made using PayPal: ☐

Name:

Phone:

Address:

Email:

City
State
Zip

URL

For website

Would you be interested in our outreach program?

Yes

☐

No

☐

How did you discover East Valley Astronomy Club?

Liability Release Form

In consideration of attending any publicized Star Party hosted by the East Valley Astronomy Club (hereinafter referred to as "EVAC"), the receipt and sufficiency of which is hereby acknowledged, I hereby affirm that I and any related entities, predecessors, successors, affiliates, attorneys, guarantors, insurers, transferees, assigns, parents, spouses, children, subsidiaries, accountants, officers, directors, employees, agents, shareholders, members, and trustees, past and present, hereby forever release, acquit and discharge to hold EVAC and its related entities, predecessors, successors, affiliates, attorneys, guarantors, insurers, transferees, assigns, parents, spouses, subsidiaries, accountants, officers, directors, employees, agents, shareholders, members, and trustees, past and present, from any and all causes of action, claims, losses, damages, liabilities, expenses (including attorneys' fees) and demands of any nature whatsoever, known or unknown, that in any way relate to, arise out of, or concern EVAC and/or my presence on the premises of any EVAC Star Party and related areas, whether or not those causes of action, claims, damages, liabilities, and demands are part of the specific subject matter of EVAC or any EVAC Star Party. This release is intended to and does cover all injuries and damages, and the consequences thereof, whether known or unknown at the time of the execution of this release, which have occurred or may hereafter occur or which may hereafter be discovered, and which may have been caused or may be claimed to have been caused by the said incident, and specifically includes, but is not limited to, bodily injuries, mental and emotional injury, pain and suffering, medical treatments, and loss of earnings or income.

My signature upon this form also indicates agreement and acceptance on behalf of all minor children (under 18 years of age) under my care in attendance. EVAC only recognizes those who are members or invitees and who also have a signed Liability Release Form on file as participants at an EVAC Star Party.

Signature _____

Date _____

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 in the Contact-Us area on the Home page of our EVAC website. 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. Another list to consider is AZ-Observing@groups.io, simply click on this link <https://groups.io/g/AZ-Observing> and follow the instructions. EVAC also has a Facebook Group where members may share ideas, photos, and Astronomy related information. Click on the link to join: [East Valley Astronomy Facebook Group](#).

The Gilbert Rotary Centennial Observatory (GRCO) also has a Facebook Group. To visit, please click on [Gilbert Rotary Centennial Observatory - GRCO](#). The Observatory is open on Friday and Saturday from sunset until 9:30pm. We need volunteers. Training is provided. Help us engage the community in the wonders of the night sky. Email grco@evaonline.org for information.

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www.evaonline.org

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