

Antares



The Newsletter of the Kansas Astronomical Observers

Meeting time: January 18 3:00pm

Location: **Great Plains Nature Center (GPNC)**

Speaker: Brent Newton
Topic: CCD imaging 2.0

KAO Website: <http://www.kaowichita.com>
The Night Sky Network: <http://www.nightsky.jpl.nasa.gov>
The Astronomical League: <http://www.astroleague.org>

If you have comments or suggestions for an article in the newsletter, e-mail them to:
kevin.l.kight@gmail.com *Please begin the subject line with "Antares"

Current Club Officials

President:	Jerelyn Ramirez	jerelyn.ramirez@gmail.com
Vice-President:	Tony Haidai	thaidai@cox.net
Treasurer:	Paul Ramirez	ramirezpm2@gmail.com
Newsletter/Media:	Kevin Kight	kevin.l.kight@gmail.com

Next Month's Meeting: February 15 @ 3:00pm, Great Plains Nature Center

Club Updates:

Call for Meeting Speakers:

For those members that wish to create and present during a club meeting, or that have a suggestion for a guest speaker during the fall and winter meetings, contact the Club Vice-President: Tony Haidai (thaidai@cox.net)

Newsletter Items for Publication:

Please submit items for publication prior to the 10th of each month to be included in that month's newsletter.

Club T-shirts and Calendars available:

We do have a few Astronomy calendars left, they are \$10 each.

Club T-Shirts are always available to all club members year around. (or anyone who wants to support the club) \$10 each, indicate size and quantity to Jerelyn Ramirez or Paul Ramirez by email or at club meetings / outings. There is a 2week turnaround as they are printed on demand.

Club Membership Dues:

January is the Club Membership Drive and the grace period will expire to renew your dues for the 2020 year is January 18, our next club meeting. If you wish to renew please mail your dues to the Treasurer Paul Ramirez, 106 E. Mount Calvary Rd., Saint Marys, KS 66536, or renew at the January club meeting. Renewing your dues will insure a continuation without interruption of the Antares Newsletter and Reflector Magazine. The January Antares Newsletter and March publication of the Reflector Magazine will be the final issues if your dues are not received before the grace period ends January 18th.

Club Membership Update:

46 Members have renewed their dues.

December Club Meeting:

Attached is a summary of the December Club Meeting.

Eyepieces for Sale

David Stanislaw has eyepieces for sale. See attached ad for details.

From Jerelyn's Desk

I know it is tempting to feed the animals while we are celebrating our Christmas Party, but I strongly urge you to resist this temptation. This could be a serious liability to our club and we could also lose our privilege to use the GPNC as our meeting place. There are warning signs these animals do bite, please don't risk injury to yourself or the animal by feeding them. Thank you for your corporation.

Solar and Planetary Items:

Moon Phases:

Last Quarter: December 18
New Moon: December 25
First Quarter: January 2
Full Moon: January 10

Last Quarter: January 18
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Planets:

Mercury – Hidden in Solar Glare
Venus – In Aquarius, sets at 8:30 pm
Mars – Rises Approximately 4:45am
Jupiter – Hidden in Solar Glare
Saturn – Hidden in Solar Glare
Uranus – Visible in Aries; sets approximately 1:30am
Neptune – Visible in Aquarius; sets approximately 9:40 pm

Comets:

Listed below are comets possibly visible in telescopes from the Wichita area (approximately cutoff at magnitude 15; if available the observed magnitude is used in favor of the JPL prediction). Magnitudes shown are approximate predictions for mid-month. Links are provided for additional information:

<http://cometchasing.skyhound.csom/>

C/2017 T2 (PANSTARRS): An all night comet in Perseus (Mag 10)

<https://theskylive.com/c2017t2-info>

C/2018 N2 (ASASSN): An all night comet in Andromeda (Mag 11)

<https://theskylive.com/c2018n2-info>

Event Reports:

If you've participated in a club event, please submit an event report to be included here by the 10th of each month. It doesn't have to be anything formal, just a brief description about the event and how it went. Credit will be given unless you request to be kept anonymous.

Upcoming Regional Events:

See NSN for latest information

Upcoming KAO/Public Events:

See NSN for latest information and new events as they are added

Coronado heights – January 23

Coronado Heights Park, 12464 South Lightville Road, Lindsborg, KS 67456

7:00 PM - 9:00 PM

This is a historic location at the Coronado Heights Castle in Lindsborg Kansas. It is a hill northwest of Lindsborg, Kansas. It is alleged to be near the place where Francisco Vasquez de Coronado gave up his search for the seven cities of gold and turned around to return to Mexico.

The view at the top of the hill is spectacular and you can see for miles. This will make for a great site for telescope viewing weather permitting.

This will be a January telescopic observing event. Make sure you dress warmly and hope we have clear skies. This might make for a great time to knock the icicles off the telescope; a dark night on top of a historic hilltop next to a cool castle, it might be worth the trip for the great views.

ACMS Science Spectacular – May 19

Andover Central Middle School, 901 Central Avenue, Andover, KS 67002

8:30 PM – 10:30 PM

Setup 6:00 PM

We will be setting up hands on astronomy demonstrations inside then telescope observing if weather permits.

Planned activities:

Quarter Solar System

Pocket Solar System

Gravity and the Fabric of Space demonstration

Where are the Black Holes

Protecting Earth from Cosmic Radiation

OSIRIS-REx Mission if bad weather

See NSN for details and volunteer info