

Antares



The Newsletter of the Kansas Astronomical Observers

Meeting time: June 22, 2019 7:30 pm

Location: **Lake Afton Public Observatory (LAPO)**

Speaker: N/A
Topic: N/A

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: July 20 @ 7:30pm, Lake Afton Public Observatory (LAPO)

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 available:

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.

Club Membership Update:

Two new club members signed up during the May meeting:

Joe Birzer from Wichita
Jonathan Hill from Park City

Club roster currently stands at 57 members.

May Club Meeting:

See addendum for a short summary about the May club meeting.

June Meeting Special Announcement:

The June Club Meeting has been moved to June 22nd. The meeting will still be held at LAPO at the same time of 7:30 p.m.. The reason for the change; this year the Symphony in the Flint Hills (SFH) is holding their event on June 15, our scheduled club night. Several club members (including the President and Treasurer) participate in this all day event which is scheduled to take place in Chase County.

This was brought up at our January meeting and was put to a vote to move our scheduled time a week later rather than cancel, or have someone else facilitate the meeting.

Normally the SFH hold their annual signature event on the second weekend of June without conflicting with our scheduled meeting. This is their 14th annual signature event and this will be our 13th invitation to this event. It is unknown why the SFH has made this change.

Another reminder will be sent out as the June meeting draws closer. The calendar has been updated to reflect the change. You can log onto [NSN](#) or navigate to our [KAO website](#) for this information. This will also be posted on our facebook page.

Solar and Planetary Items:

Moon Phases:

Last Quarter: May 26
New Moon: June 3
First Quarter: June 10
Full Moon: June 17

Last Quarter: June 25
New Moon: July 2
First Quarter: July 9
Full Moon: July 16

Planets:

Mercury – Visible in the evening in Gemini beside Mars; setting approximately 10:30pm

Venus – Visible in the morning in Taurus; rises approximately 5:10am

Mars – Visible after sunset West in Gemini; setting approximately 10:30pm

Jupiter – Visible in the evening in Ophiuchus; rises approximately 8:15pm

Saturn – Visible in the morning in Sagittarius; rises approximately 10:30pm

Uranus – Visible in the early morning in Aries; rises approximately 3:20am

Neptune – Visible in the morning in Aquarius; rises approximately 1:30am

Mercury Greatest Eastern Elongation: June 23

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/>

No known comets this month

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.

Saint Mary's Academy – May 16

Jerelyn Ramirez has provided an event report for the Saint Mary's Academy outreach. See addendum for details.

Conway Springs Library – June 5

Jerelyn Ramirez has provided an event report for the Conway Springs Library outreach. See addendum for details.

Mulvane Library Event – June 7

Jerelyn Ramirez has provided an event report for the Mulvane Library Event outreach. See addendum for details.

Silver Lake Library Event – June 13

Jerelyn Ramirez has provided an event report for the Silver lake Library Event outreach. See addendum for details.

Symphony in the Flint Hills – June 15

The Kansas weather can be unpredictable at times. After all the careful planning and preparation the Symphony in the Flint Hills event was heartbreakingly cancelled.

A bizarre storm blew through Bazaar Kansas on the eve of June 14th. We were alerted by 7:30 a.m. Saturday morning of the postponement till Sunday. This was the first time they were to exercise the postponement.

We were told the storm knocked down the tents. Then later in the day, after their assessment, we were notified again by 4:30 p.m., they decided to cancel the event for the first time ever in 14 years. The strong winds not only knocked down all the tents, all the tents were severely damaged (25 tents). It was also forecast for more storms Saturday night, because of the destruction of the tents and more importantly, the safety of the patrons and volunteers, they made the hard decision to cancel the event.

Saint Mary's Library Event – June 19

Jerelyn Ramirez has provided an event report for the Silver lake Library Event outreach. See addendum for details.

Upcoming Regional Events:

See NSN for latest information

Fall River Star Party – August 2-3

Fall River State Park, Casner Creek Campgrounds

Come join us at the annual Fall River event. Join us for an evening of dark skies and deep space viewing. Jupiter and Saturn will be featured this night too.

Camping is available for all who want to come out for some dark sky viewing. Come for the dark skies and the fellowship. A dinner is planned before the Saturday event for all who attend.

See NSN for details

Upcoming KAO/Public Events:

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

Douglass Library– June 25

Douglass Public Library, 319 South Forrest, Douglass, KS 37039

9:30am -12:30pm (Setup time 8:30am)

Where does our energy come from? Come by the Douglass Library and find out what this is all about during the three sessions of the summer reading classes scheduled today.

We have three classes scheduled consecutively. The classes are about 45 minutes to allow for set up for the class that follows.

See NSN for details and volunteer info

Belle Plaine Public Library– June 25

Belle Plaine Public Library, 222 West 5th, Belle Plaine, KS 67013

7:00 pm (setup time 6:00 pm)

An adult educational astronomy event. We will be learning about the asteroids in the asteroid belt and what actions we can take if one is heading for Earth.

See NSN for details and volunteer info

Belle Plaine Public Library– June 26

Belle Plaine Public Library, 222 West 5th, Belle Plaine, KS 67013

10:30 pm (setup time 0:00 pm)

Where does the Energy come From and how do we protect ourselves from Ultraviolet?
These are the things we will be learning at the Belle Plaine Library just in time for
Summer Vacation.

The class is about 45 minutes, or could go a little longer.
The scheduled activity will be on:

Where Does the Energy Come From? Card game.
Make UV bracelets
Protection from Ultraviolet
SunWise handout...kids can take these home

See NSN for details and volunteer info

Arkansas City Public Library – June 27

Arkansas City Public Library, 120 East 5th Ave, Arkansas City, KS 67005

2:00 pm (setup time 1:00 pm)

A childrens educational astronomy event. We will be learning about the asteroids in the
asteroid belt and the Moon. How do craters form on the Moon? Are there impact craters
on the Earth? Come on by the Arkansas City Public Library and let's find out together.

See NSN for details and volunteer info

Arkansas City Public Library – June 27

Arkansas City Public Library, 120 East 5th Ave, Arkansas City, KS 67005

3:00 pm (setup time 2:00 pm)

An adult educational astronomy event. We will be learning about the asteroids in the
asteroid belt and what actions we can take if one is heading for Earth.

See NSN for details and volunteer info

Augusta Library – June 28

Robert Shryock Park, 2923 Ohio Street, Augusta, KS 67010

7:00 pm (setup time 6:00 pm)

Please come on out to the Robert Shryock Park in Augusta for some awesome observing. The park is located north on Ohio Street. We will have some before the sun set activities. After the sun sets we will be able to see through the telescope at Jupiter high in the sky, and Saturn rising in the east.

We will attempt to locate an asteroid in the asteroid belt; (1) Ceres.

See NSN for details and volunteer info

Black Hole Survival – July 9

Wellington Public Library, 121 W 7th Street, Wellington, KS 67152

2:00 pm - 3:00 pm

An adult class talking about the recent findings of a Black Hole. All ages are welcome to participate though. This will be a hands-on interactive activity along with visual aids.

See NSN for details and volunteer info

Coldwater Library Summer Reading (Universe of Stories theme) – July 10

Coldwater Library, 221 E. Main, Coldwater, KS 67029

10:30 am – 12:00 pm (setup time 9:30 am)

This would be an indoor event at the Coldwater Public Library and preferably in the morning. Any educational emphasis on the universe, the night sky, etc. that could help children learn about the world above us. Pictures or any other type of material would be appreciated for them to learn as well. Of course, if you have any recommended books on the subject, those suggestions would be appreciated as well. This year's theme is "Universe of Stories" which is very fitting with it being the 50th anniversary of the Apollo 11 moon landing. So, anything would be very helpful.

See NSN for details and volunteer info

Apollo Mission Celebration – July 20

Lake Afton Public Observatory (LAPO), 25000 West 39th South, Goddard, KS 67052

9:00 pm – 11:30 pm

The Lake Afton Public Observatory is open to the public on Friday and Saturday nights. Some club members will set up their telescopes on the north side of the building and visitors are welcome to come observe with them. Visitors are also welcome to bring their own telescope to view with us. If you are having trouble setting up your telescope bring it with you and we would gladly help.

Under the dome of LAPO is a 16" telescope for viewing distant objects light years away or planets in our solar system. There are many displays and hands on activities to explore the outer regions of space.

See NSN for details and volunteer info

Manhattan Library– July 24

Manhattan Public Library, 629 Poyntz Ave., Manhattan, KS 66502

2:00 PM - 3:00 PM (setup time 1:30 PM)

Lets find out how a telescope works and why we put them in space.

See NSN for details and volunteer info

Astro Fest 2019 – August 10

Lake Afton Public Observatory (LAPO), 5000 West 39th South, Goddard, KS 67052

3:00 PM – 1:00AM (Setup 10:00 AM)

This is a collaboration with LAPO. Solar activities during the day with other activities through out the day. Having telescopes for the visitors to share with them the wonders of the night sky. This night is three days after a first quarter Moon. Yes it is a lot of Moon, but most visitors have never looked through a telescope and the Moon is always a huge hit. There will be a nice terminator to visually see some depth to some craters. This is also the 50 year Anniversary of the Apollo lunar landing missions. All six landing sites should be visible, you can point them out with your telescope.

This is the second annual event to promote the observatory. To make this astronomy party a success we need volunteers. They plan to stay open till 1:00 a.m.

So lets help out LAPO by kicking off this astronomy party.

See NSN for details and volunteer info

Wichita Art Museum – August 15

Wichita Art Museum, 1400 West Museum Blvd., Wichita, KS 67203

7:00 PM – 10:00 PM (Setup 6:00 PM)

The Wichita Art Museum is hosting an evening observing the Moon. The Kansas Astronomical Observers will provide a few telescopes to view the nearly full waning gibbous Moon. Jupiter and Saturn will be visible too. The lunar landing sites will be pointed out for the guests in honor of the manned Apollo Missions 50 year Anniversary. Inside the Museum there will be a some hands on activities about the Moon and Solar System objects.

See NSN for details and volunteer info

Volland Store – August 24

The Volland Store, 24098 Volland Rd, Alma, KS 66401

5:00 PM

We have been invited to help host an event at the Volland Store in Alma Kansas. Dark skies are on the agenda where we can observe Jupiter and Saturn. Even Uranus and Neptune will be up for a showing if conditions are right. What about a few comets, there is the possibility a couple will be close enough to catch a glimpse of these fast moving solar system objects.

See NSN for details and volunteer info