# Antares

## The Newsletter of the Kansas Astronomical Observers

Meeting time: **May 16, 2020 7:00PM**

Location: *Click here* => Zoom Meeting
Meeting ID: 723 1987 7048
Password: 3G6sme

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: TBD**

# Club Updates:

## Update about SFH Event:

The SFH for 2020 has been **Canceled**.

## ALCon 2020 Postponment

As of 4/3/2020, ALCon 2020 has been postponed to August 4-7, 2021, as ALCon 2021.

ALCon 2021 will be be held at the Embassy Suites-Albuquerque.  Revised information for ALCon 2021 will be published soon.

Refunds will be made for all who have registered for ALCon 2020.

## 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 Mugs available:

Members can order a club t-shirt  for $10, we just need your size and quantity. KAO logo coffee mugs are now available for $10 each. The club logo is printed on both sides. They are 11 oz. and proceeds will contribute to the library telescope fund.

# Astronomical League Observing Program Awardees:


Jerelyn Ramirez has completed the Lunar II Observing Program through the Astronomical League.

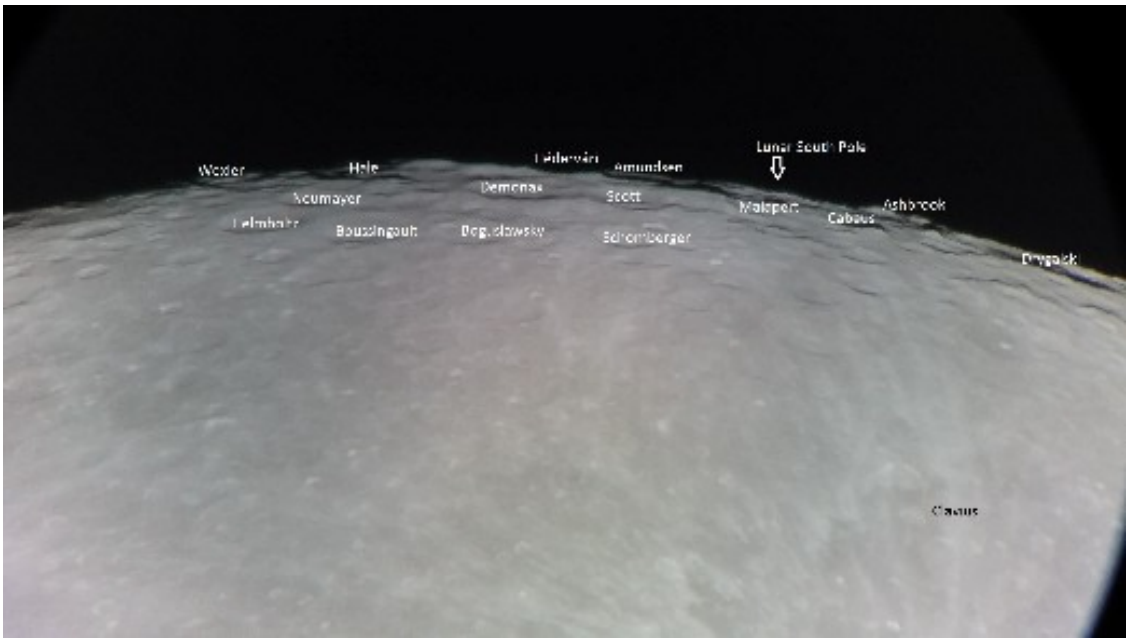
Jerelyn Ramirez has also completed the Double Star Observing Program through the Astronomical League.



# More Information about the Astronomical League Observing Programs:

**The Lunar II Observing Program synopsis:** *The Prerequisite is to complete the **Lunar Observing Program**, which consists of 100 lunar observations via naked eye, binocular, and telescopic. Object name, date, time, and location are required to report your observations of the listed objects.* The **Lunar II Observing Program** are more detailed observations of 100 additional listed objects, features, and craters, with a required narrative and sketches, and some allowed photos. Nearly all observations are telescopic with a couple observations naked eye. The reported logs must have the name of the feature, time, date, location longitude, latitude, city, state, sky conditions, and transparency for each observation. It also must include the observing instrument, at what power of magnification, and any filters used. Additionally, the information below should be included in the reported log.

- both formal and common names of each target, if applicable. For example, Mare Crisium is also called the "Sea of Crises".
- the lunar phase the observation was made at. Use either named phase (i.e., "waning gibbous moon") or lunation day (i.e., "16 day moon").




**An example:** The above is an image of the southern pole region during a 6˚ libration at a Full Moon in Perigee. Waiting a few hours more would have yielded more view of the Far Side of the Moon. The terminator moves across the lunar surface at the rate of about 11˚ per Earth day. The apex of the libration is to the right of crater Drygalski in this image (just outside the image frame). The 152 mile wide crater Clavius in the foreground is barely detectable during the Full Moon, but you can make out the semi-circle of craterlets in the floor of the crater as they get smaller from left to right, which was one of the crater features I was required to draw during an 11 day Moon. Both observations are counted as two observations for a total of four observations. Notice how the rays from crater Tycho sprayed through crater Clavius towards crater Ashbrook. Tycho is about 200 miles north of Clavius and just out of frame in this image. [Taken with a smartphone using a NexYZ smartphone adapter through a 10" reflector on a Dob Mount at 300x power (no tracking)]

**Second is the Double Star Observing Program synopsis:** The task was to locate and report 100 listed double stars. The reported logs must have the object name, time, date, location longitude, latitude, city, state, sky conditions, and transparency for each observation. It also must include the observing instrument, and power of magnification. Additionally the double stars (sometimes 3 or more stars) must be drawn with the size of the dot indicating magnitude, and the distance between the dots representing separation. Most observations were at 97x power. You must also show North and either East or West in your drawing and make sure your depiction of the primary star is clear to a viewer of the sketch. There is a small box adjacent to the reported log to make your drawings. It is preferred the stars be found by star hopping and not by Go-To or Push-To method.

Below is the list of club members past and present who are awardees of the aforementioned observing programs:

**The Lunar Observing Program with date completed and certificate #:**

| | | |
|---|---|---|
| Paul V. Goedken | 1999-08-30 | #186 |
| Fred Gassert | 2009-11-09 | #677 |
| Chris Lamer | 2019-08-21 | #831 |
| Joe Castor | 2016-04-30 | #954 |
| Jerelyn Ramirez | 2016-12-20 | #973 |
| Kristopher Flory | 2017-06-30 | #999 |

**Lunar II Observing Program with date completed and certificate #:**

| | | |
|---|---|---|
| Jerelyn Ramirez | 2020-04-19 | #105 |

**Double Star Observing Program with date completed and certificate #:**

| | | |
|---|---|---|
| Paul V. Goedken | 1998-04-09 | #51 |
| Chris Lamer | 2012-01-09 | #480 |
| Fred Gassert | 2014-04-27 | #530 |
| Paul Sanders | 2016-03-08 | #579 |
| Jerelyn Ramirez | 2020-05-01 | #654 |

The links will take you to the respected observing programs on the Astronomical League's website for more details. These make for great social distance activities.

# Solar and Planetary Items:

## Moon Phases:

| | |
|---|---|
| **Last Quarter:** | May 14 |
| **New Moon:** | May 22 |
| **First Quarter:** | May 29 |
| **Full Moon:** | June 5 |
| | |
| **Last Quarter:** | June 13 |
| **New Moon:** | June 21 |
| **First Quarter:** | June 28 |
| **Full Moon:** | July 4 |

## Planets:

**Mercury** – In Taurus; Rises approximately 6:45am
**Venus** – In Taurus, sets approximately 11:10pm
**Mars** –In Aquarius; rises approximately 3:00am
**Jupiter** – In Sagittarius; rises approximately 1:20am
**Saturn** – In Sagittarius; rises approximately 1:30am
**Uranus** – In Aries; rises approximately 5:50pm
**Neptune** – In Aquarius; rises approximately 3:50am

# 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/2020 F8 (Swan):** An early morning comet in Cetus (Mag 5.6)
https://theskylive.com/c2020f8-info

**C/2019 Y4 (Atlas):** An all night comet in Camelopardalis (Mag 9.5)
https://theskylive.com/c2019y4-info

**C/2019 Y1 (Atlas):** An all night comet in Draco (Mag 8.6)
https://theskylive.com/c2019y1-info

**C/2017 T2 (PANSTARRS):** An all night comet in Camelopardalis (Mag 8.8)
https://theskylive.com/c2017t2-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:

**Currently there are no events due to the pandemic. Check NSN for the latest information.**

# Upcoming KAO/Public Events:

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

**Due to the pandemic, Public Events for the next several weeks are canceled.**