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CLUB NOTES

For November 2024

This month will feature a variety of items, both business and fun related.

On the business side, the election of officers for Secretary, Treasurer, Vice President, and President will take place. We currently have candidates for all four positions but if you are interested, it's not too late to run.

On the fun side, we will have several demonstrations and activities geared towards members' interests. Anyone who missed the October meeting will be amazed by the Planetarium's upgrades. I guarantee you will be impressed.

The main presentation, "the ESA Euclid Mission", will be brought to us by Karl Rijkse.

Peter Burkey
President, SAAA



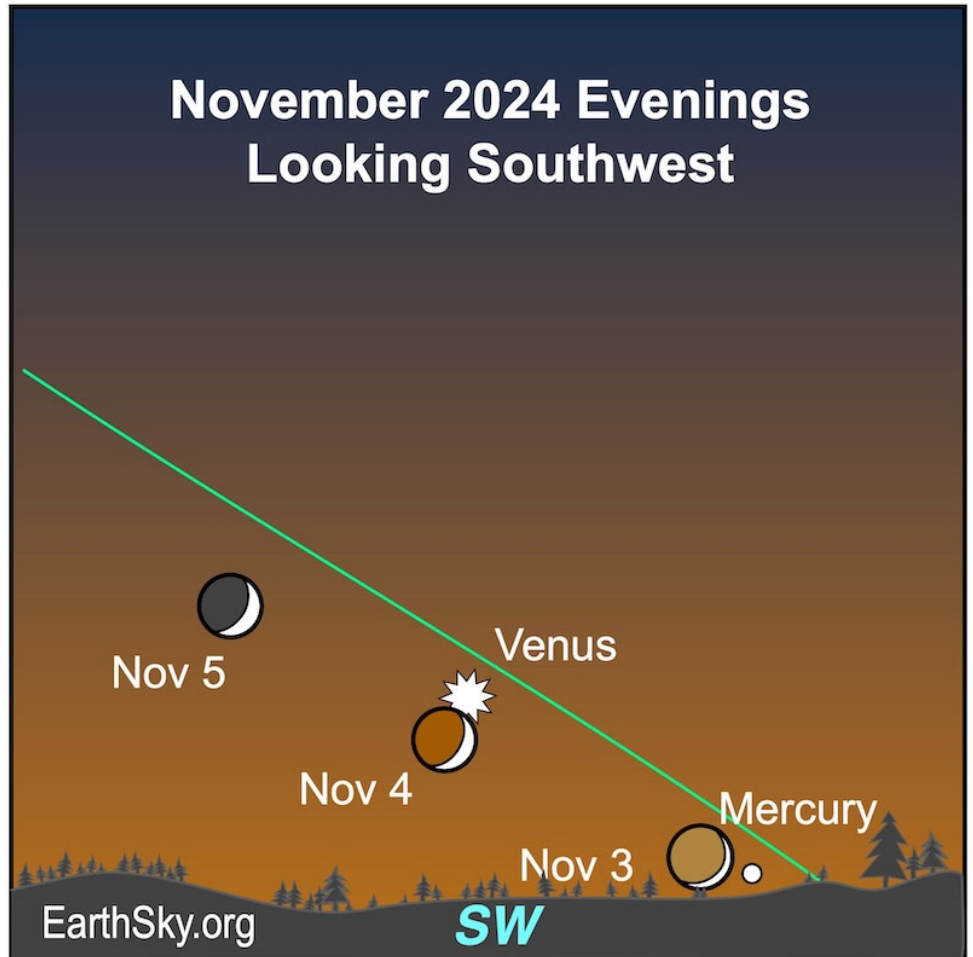
The Evening Sky

from EarthSky.org

Taurid meteor showers around November 5

Neither the South nor the North Taurid meteor showers have definite peaks. They ramble along in October and November and are especially noticeable from late October into early November, when they overlap. You might see five to 10 meteors an hour under ideal conditions. The best time to watch is around midnight on the days around November 5 when the moon won't interfere. Read more about the Taurid meteor showers on EarthSky.org.* The South Taurid meteor shower is a result of debris from Comet Encke, and recent research suggests we're "less likely" to encounter a doomsday asteroid swarm during this shower than scientists once thought. [*Read more ...](#) (control right click)

November 2024 Evenings Looking Southwest



Calendar and Upcoming Events

Public Observing

When Weather Permitting Every FRI evening 7PM.

Where Hemlock Crossing Public Observatory, 8115 W Olive Rd, West Olive, MI 49460, USA

Description The observatory is open from our start time until 11 PM (weather and clear sky permitting, see note after October 14th). There are no entry fees. Please be aware that the park gate closes automatically at 10 PM sharp, therefore visitors must arrive before 10 PM to enter the park. You will be able to leave as you wish.

Visible night sky objects: planets, the Moon, deep sky objects like galaxies, star clusters and planetary nebulae.



Next Club Meeting November 14th

There are no club meetings in the summer months (June – July – August). Our next Club Meeting, which is open to the public, is November 14th. This meeting includes election of officers!

Remember, members may request a private tour of our planetarium in Hemlock Crossing Park. Please arrange

Keyholder Schedule

Oct 27 – Nov 02 Frank Roldan Nov 03 – Nov 09 Barry Schoenfelner Nov 10 – Nov 16 Mike Long

Have you missed a copy, or lost one, or just want to browse old issues of Astronomical League's *Reflector*?

Astronomical League's quarterly *Reflector* magazine:

<https://www.astroleague.org/reflector/>

November 2024

SUN	MON	TUE	WED	THU	FRI	SAT
27	28	29	30	31	Nov 1 2 more	2
3	4	5	6	7	8 ● 7pm Public	9 2 more
10	11	12	13	14 ● 7pm Club M	15 2 more	16
<div style="border: 1px solid black; padding: 5px;"> <p>2 More!</p> <p>11/1: 7:00 PM Public Observing 8:247PM New Moon</p> <p>11/9: 12:56 AM First Quarter 7:00 PM Telescope Basics</p> <p>11/15: 4:29 PM Full Moon 7:00 PM Public Observing</p> <p>11/22: 7:00 PM Public Observing 8:28 PM Last Quarter</p> </div>		19	21	22 2 more	23	
		26	27	28	29 ● 7pm Public	30

For More Information on Any Event
Please go to www.holland-saaa.org

What's Up in the Sky: November

By Peter Burkey

With few bright stars to the south, fall and winter constellations still rising in the east, and summer constellations fading in the west, it's a good thing the Moon and several planets will add to the sights worth viewing this month.

Recently I viewed the Summer Triangle and the stars and constellations associated with it. Remember that this is an example of an *asterism*, a group of stars that are either part of a larger constellation, such as the Big Dipper is part of Ursa Major, or made up of stars from different constellations, such as the Summer Triangle. Another prominent asterism is the Great Square of Pegasus, which is easily recognized high in the south, appearing to rest on its southernmost side. This group of stars can be used to find the Andromeda galaxy. Starting at the top left star in the Square, hop up two stars, turn right and hop two more equally-spaced stars. At the end of the second pair you should be able to spot a fuzzy blur which is clearly not a star. This is the Andromeda Galaxy, the only object in the sky visible to the naked eye (under dark skies) that is not part of our own Milky Way Galaxy.

The galaxy can also be located by considering the right, or upper, half of the W-shaped constellation, Cassiopeia, to be an arrowhead pointing down and to the right, directly at the Andromeda Galaxy. This object is also a great sight for binoculars.

Now use binoculars to scan the region of the sky below Cassiopeia and you will come to one of the night sky's finest jewels, the "Double Cluster" in the constellation Perseus. This is a pair of large, bright clusters of stars embedded in the faint glow of the Milky Way. Located 7000 light years away, the two contain many stars of differing brightness.

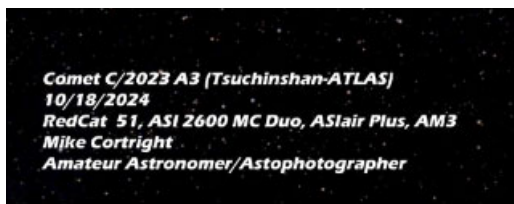
In addition to star clusters and galaxies, this month offers opportunities for observing the Moon and several planets. During the first week of the month, watch the crescent Moon rise higher each morning, reaching

October Comet

Provided by Mike Cortright

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9. The next day it pass very close to urn. On the 11th, Moon will actually



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Neptune, but this event will not be

As reported in our October '24 newsletter...Comet 2023 A3 (Tsuchinshan - ATLAS) appeared in the low in the eastern sky on 10/1/24 just prior to sun rise, and then western sky following the sun as it sets beginning on 10/12/24. Mike Cortright was out on the 18th of October to get some photos of Comet 2023 A3.



Kids Corner

Space Place: <https://spaceplace.nasa.gov/> A place where kids and grown-ups have fun with space and technology.

NASA Climate Kids: It's all about climate. <https://climatekids.nasa.gov/>



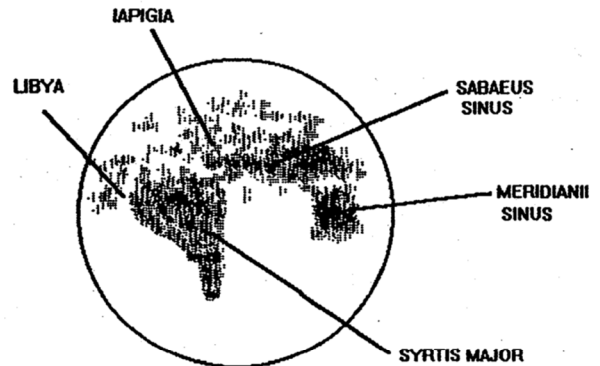
SciJinks: It's all about weather! <https://scijinks.gov/>

This Month in Club History October and November 1990

The Announcement in October

November Star Party

The November star party, originally scheduled to be held at Mark Logsdon's home, has been switched to Vivekananda Monastery. It will be held either November 16th or 17th depending on the weather. A 22" mirror will show a lot of the planet Mars! The Leonid meteor shower also reaches a peak this weekend - bring plenty of warm clothing a thermos filled with hot coffee or chocolate.



The Report in November

Mars was the highlight at our November star party, graciously hosted by Vivekananda Monastery. Through the long focal length 22" with a high power eyepiece, Mars was an observers feast for greedy eyes. Exclamations like "Wow, I can't

believe it..." were constantly flying. Members were almost having to drag other members off the observing platform kicking and screaming to get a turn. Later in the evening the Leonids kept a faithful few entertained with a respectable display, with one good bolide to round the night off. Reproduced in the previous column is a good approximation of the detail visible on Mars that night...

2024 Lecture Schedule

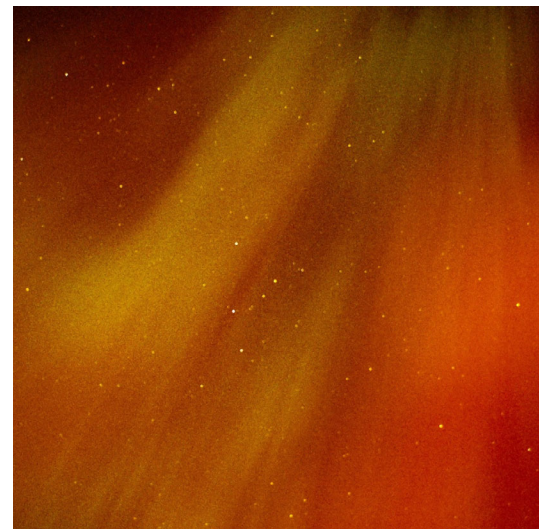
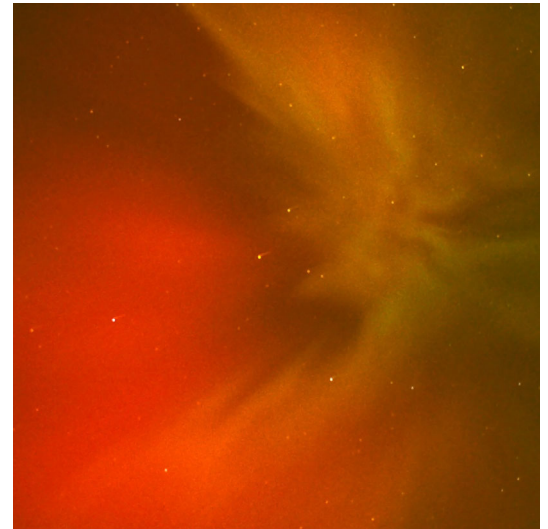
Nov 9	7 pm	Lecture: Telescope Basics	Frank Roldan
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This Month in Astronomy History

- Nov. 3: The dog Laika is first living creature to orbit Earth, aboard Sputnik 2 - 1957
 - Nov. 9: Carl Sagan born. - 1934
 - Nov. 12: Great Leonid Meteor Shower - 1833
 - Nov. 19: Second lunar landing made by Apollo 12 - 1969
 - Nov. 20: Edwin Hubble born - 1889
 - Nov. 27: First photograph of a meteor shower - 1885
 - Nov. 30: Fragment of 10-pound meteorite strikes and bruises Alabama woman, Elizabeth Hodges-1954
-

October's Light Show, the Aurora Borealis ...

Photos by Mike Cortright



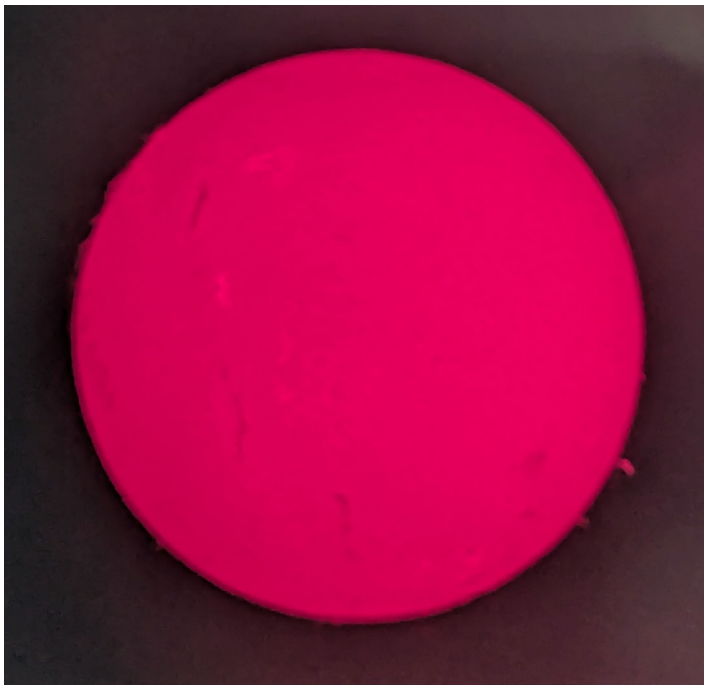
Flash Viewing of the Sun in October

So much happened skyward in October!

Aurorae, Sun Spots, Comet, and meteors...oh! My! And, our club officers offered a treat using the new solar telescope set up on Friday 18th of October to view the Sun's activity.

Member Don Tourtellotte stopped by Hemlock Corssing as our group sponsored this ad hoc solar viewing using the new Solar Telescope. Don took a photo off the telescope of the Sun doing its amazing dance, flares, etc. He gave permission to share.

More pictures on page (Comet, pg 2; Aurora, pg 5...!)



On Saturday, October 19th, Frank and Karl set up the Coronado H-Alpha solar telescope at its new pedestal next to the observatory.

We were there from 2 to 4 PM.

Many visitors stopped by to view and learn more about Holland-SAAA.

Great opportunity, and a great spontaneous event!

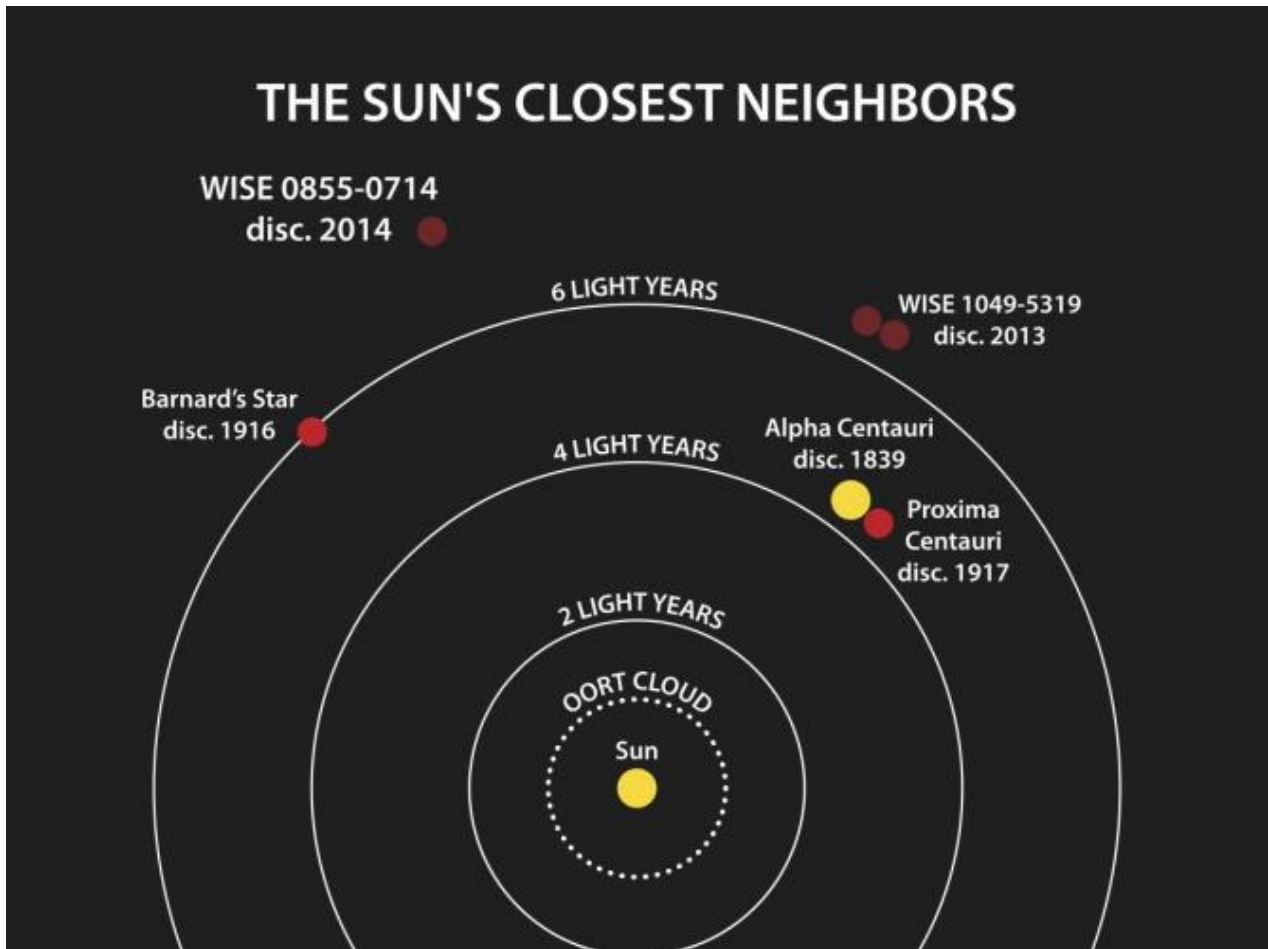
Keyholder Schedule for the Observatory for Member's Information

OCT 27-NOV 2	Frank Roldan	616-607-9205	616-843-1791
NOV 3-9	Barry Schoenfelner	NONE	616-268-0596
NOV 10-16	Michael Long	616-399-1829	734-355-6849
NOV 17-23	James Reier	NONE	616-295-4903
NOV 24-30	Harold Reitsema	NONE	720-988-4178
DEC 1-7	Frank Roldan	616-607-9205	616-843-1791

A New Planet

Planet discovered and confirmed orbiting the closest single star to sun

At six (6) light-years away, Barnard's Star is the closest single star to our sun and one of the most famous stars in our sky. Astronomers have been suggesting for decades it might have one or more planets. Now, after years of looking, astronomers say they've found a planet for Barnard's Star. Learn more at (control-click to link) [EarthSky/Barnard's Star Planet](#)



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Previous Issues of our newsletters are found on our website at: Holland-saaa.org

Not sure received your copy of Reflector, or, looking for a past issue?

Digital copies of the Astronomical League's quarterly Reflector magazine can be found at:

<https://www.astroleague.org/reflector/>