



Monthly Notices of the Everglades Astronomical Society



Naples, FL
October 2018

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President's Message

Slowly but surely, our members are returning to SW Florida. This includes me. Although I am a full time resident down here, I did quite a bit of traveling this summer. I would like to thank the board members who stepped up to the plate to cover for me.

Our October meeting will be a very good opportunity to learn about telescopes. The program will be a demonstration about telescopes. Some of our members are bringing their equipment to help you with questions you may have been pondering. If you have a telescope that you have been having trouble using, I suggest that you take it to the meeting.

Perhaps someone can help you work out the kinks. Although I was not at the September meeting, I would like to thank Dennis Albright for his presentation. I know the research Dennis does for his talks. I'm sure it was quite informative.

Denise

Dates for the "Fak"

Usually the best times to go out to the Fakahatchee Strand viewing site are moonless nights. Below is a list of upcoming Saturday nights that you will often find fellow club members out there enjoying the skies with you (weather permitting).

Date	Moonrise	Moonset
November 3	2:30 a.m.	3:27 p.m.
November 10	9:12 a.m.	8:17 p.m.

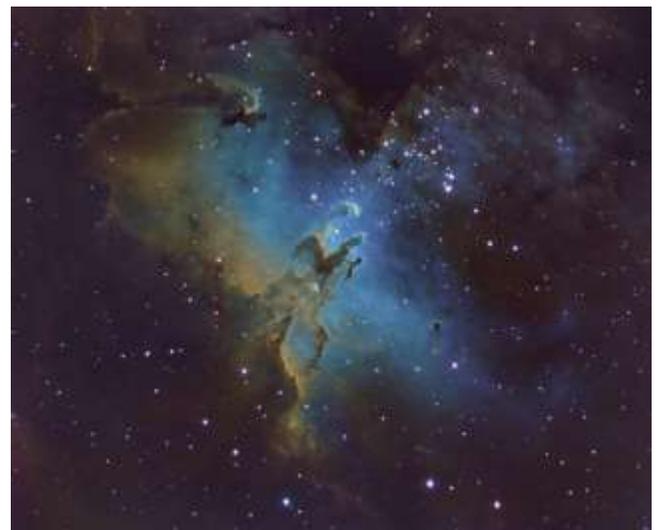
Sky Events

Oct. 2	- Last Quarter
Oct. 9	- New Moon
Oct. 16	- First Quarter
Oct. 21/22	- Orionid Meteor Shower Peak
Oct. 24	- Full Moon
Oct. 24	- Jupiter Transit (Io)

Next Meeting

October 9, 2018: Time 7:00 – 9:00 pm
Norris Center, Naples

Photo of the Eagle Nebula by Chuck Pavlick



The Pillars of Creation (the Eagle Nebula) by Chuck Pavlick.

Published Articles by EAS Members

Ted Wolfe's article in the Naples News/Collier Citizen on September 20, 2018: Looking Up: Devil's Mask – A trio of distant galaxies.



NGC 6769, NGC 6770 and NGC 6771 by Ted Wolfe.

<https://www.naplesnews.com/story/news/local/communities/collier-citizen/2018/09/20/looking-up-devils-mask-trio-distant-galaxies/1346638002/>

TO VIEW THE ABOVE ARTICLE, PRESS "CTRL" AND LEFT CLICK BUTTON.

The below link provides previous articles in the Naples News/Collier Citizen by Ted Wolfe that appeared over past years.

<http://www.naplesnews.com/search/Ted%20Wolfe/>

To view all of Ted Wolfe's photos, visit his website @ www.tedwolfe.com.

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Observe the Moon

By Jane Houston Jones and
Jessica Stoller-Conrad

This year's International Observe the Moon Night is on Oct. 20. Look for astronomy clubs and science centers in your area inviting you to view the Moon at their star parties that evening!

On Oct. 20, the 11-day-old waxing gibbous Moon will rise in the late afternoon and set before dawn. Sunlight will reveal most of the lunar surface and the Moon will be visible all night long. You can observe the Moon's features whether you're observing with the unaided eye, through binoculars or through a telescope.

Here are a few of the Moon's features you might spot on the evening of October 20:

Sinus Iridum—Latin for “Bay of Rainbows”—is the little half circle visible on the western side of the Moon near the lunar terminator—the line between light and dark. Another feature, the Jura Mountains, ring the Moon's western edge. You can see them catch the morning Sun.

Just south of the Sinus Iridum you can see a large, flat plain called the Mare Imbrium. This feature is called a mare—Latin for “sea”—because early astronomers mistook it for a sea on Moon's surface. Because the Moon will be approaching full, the large craters Copernicus and Tycho will also take center stage.

Copernicus is 58 miles (93 kilometers) across. Although its impact crater rays—seen as lines leading out from the crater—will be much more visible at Full Moon, you will still be able to see them on October 20. Tycho, on the other hand, lies in a field of craters near the southern edge of the visible surface of the Moon. At 53 miles (85 kilometers) across, it's a little smaller than Copernicus. However, its massive ray system spans more than 932 miles (1500 kilometers)!

And if you're very observant on the 20th, you'll be able to check off all six of the Apollo lunar landing site locations, too!

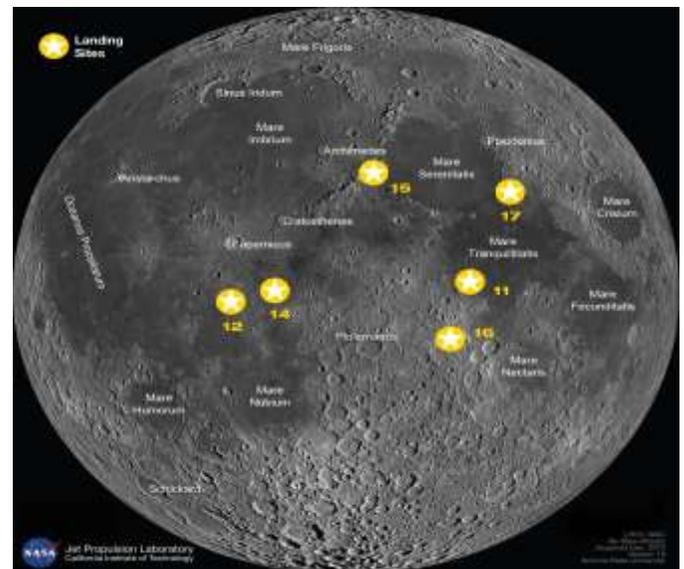
In addition to the Moon, we'll be able to observe two meteor showers this month: the Orionids and the Southern Taurids. Although both will have low rates of meteors, they'll be visible in the same part of the sky.

The Orionids peak on Oct. 21, but they are active from Oct. 16 to Oct. 30. Start looking at about 10 p.m. and you can continue to look until 5 a.m. With the bright moonlight you may see only five to 10 swift and faint Orionids per hour.

If you see a slow, bright meteor, that's from the Taurid meteor shower. The Taurids radiate from the nearby constellation Taurus, the Bull. Taurids are active from Sept. 10 through Nov. 20, so you may see both a slow Taurid and a fast Orionid piercing your sky this month. You'll be lucky to see five Taurids per hour on the peak night of Oct. 10.

You can also still catch the great lineup of bright planets in October, with Jupiter, Saturn and Mars lining up with the Moon again this month. And early birds can even catch Venus just before dawn!

You can find out more about International Observe the Moon Night at <https://moon.nasa.gov/observe>.



This image shows some of the features you might see if you closely observe the Moon. The stars represent the six Apollo landing sites on the Moon. Credit: NASA/GSFC/Arizona State University (modified by NASA/JPL-Caltech)

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EAS 2018 DUES

For the bargain price of only \$20.00 per family, all this can be yours this year:

- Meet with your fellow astronomy enthusiasts at least 10 times a year;
- Learn about astronomy and telescopes. Check out our club scope;
- Many opportunities to view planets, nebulae and other celestial objects (even if you don't have your own telescope); and
- Enjoy the many astronomy programs at our regular monthly meetings.

Don't miss out! Fill out this form (please print clearly) and send it with your \$20 check to the Everglades Astronomical Society, P. O. Box 1451, Marco Island, Florida, 34146.

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