



Monthly Notices of the Everglades Astronomical Society



Naples, FL
April 2018

Officers: President: Denise Sabatini (dsabatini2@embarqmail.com); **VP/Secretary:**

Treasurer: Victor Farris (vfarris01@gmail.com); **Newsletter Editor:** Jackie Richards (jmrichards2005@yahoo.com)

Mailing Address: P. O. Box 1451, Marco Island, FL 34146

Fak Coordinator & information on viewing: Mike Usher (usher34105@earthlink.net)

Home Page: <http://naples.net/~nfn19284/eas/> **Webmaster:** Mike Usher (usher34105@earthlink.net)

President's Message

Jack Berninger always gives a great presentation. Last month was no exception. Thank you, Jack, for your insights.

Thanks to Robyn, we will be participating (weather permitting) at the Earth Day event at the Conservancy. The date is Saturday, April 21, 2018, from 10:00 – 4:00. Of course, we will need volunteers to come earlier to set up. If you have not left for northern latitudes, please join us. Whether you have a solar telescope, display items, or can just help us with crowd control, your presence is appreciated. I'll be discussing details at the meeting. ONE THING—WHO HAS THE BANNER? It seems to be missing.

Our April speaker is Dr. Derek Buzasi. Dr. Buzasi is a professor at Florida Gulf Coast University. His topic is The Stars in Time: Rotation, Activity, and Planets. There is a possibility that he will be accompanied by one of his students. I'm looking forward to learning about some of the work going on at FGCU. It should be a great talk.

As the dog that is living with me likes to go out for a walk around 4:00 AM, I have been able to watch Saturn and Mars move closer together. It makes dog-walking more interesting.

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

Date	Moonrise	Moonset
April 7	12:32 p.m.	11:29 a.m.
April 14	5:22 a.m.	5:41 p.m.

Sky Events

- April 6 - Jupiter Transit (Io)
- April 8 - Last Quarter
- April 15 - New Moon
- April 22 - First Quarter
- April 22/23 - Lyrid Meteor Shower Peak
- April 29 - Full Moon
- April 29 - Jupiter Transit (Io)

Next Meeting

April 10, 2018: Time 7:00 – 9:00 pm
Norris Center, Cambier Park, Naples

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Lyrid Meteor Shower in April By Jackie Richards

Who doesn't love a good meteor shower? The Lyrid Meteor Shower runs annually from April 16-25, peaking on the eve of April 22 into the morning of April 23. You can expect to see up to 20 meteors per hour on the peak night. The photo below shows a very faint meteor taken during the Perseid Meteor



Shower in 2016. While it's not a great photo, trying to get a picture of meteors is not very complicated although it takes a lot of luck. The above photo was taken with a very simple set up of a Canon T2i (on a tripod) using a cable release (shutter release) switch. This allows you to keep the shutter open for as long as you wish without actually touching the camera. A cable release switch costs only about \$10. When attempting to catch a meteor in a photo, I kept the shutter open no longer maybe 10-15 seconds. Longer times may produce trailing stars. You do this over and over, hoping to get that meteor shot.

Your camera should be set at "bulb" which can be found under manual settings which is what is used for nighttime photography. Your ISO should be set much higher than in the daytime.

I have spent hours trying to get meteor photos during a meteor shower to get only about 5 photos with meteors but when you get one it is quite a thrill. You can also take widefield shots to get trees or water in your shot. Of course, one usually hopes to get that bolide (an extremely bright meteor, especially one that explodes in the atmosphere) shot of a meteor but if you're not out there attempting to get the shot, you will not get it. You will, of course, have a much better chance of getting a picture of a meteor during meteor showers like the Perseid Meteor Shower (in August) which can produce up to 60 meteors or more per hour and the Geminid Meteor Shower (in December) which can produce up to 120 meteors per hour.

This year's Lyrid Meteor Shower takes place during the moon's 1st quarter which will set shortly after midnight. So the best time to see and/or photograph meteors will be after midnight. Good luck.

Photos of New Sun Telescope at the Museum of Discovery and Science in Ft. Lauderdale



The new sun telescope recently installed at the MODS (Museum of Discovery and Science in) in Ft. Lauderdale. Photo contributed by Bart Thomas.



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Photos by Club Members



Photo by Chuck Pavlick of the Jellyfish Nebula (IC 4343) using the Hubble palette filters.

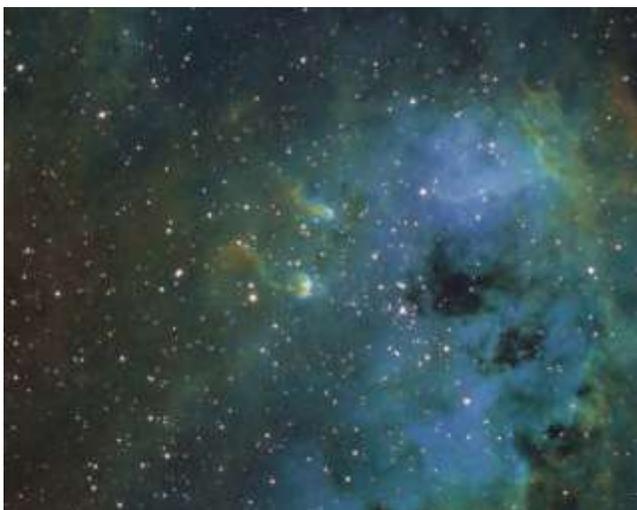


Photo by Chuck Pavlick of the Tadpole Nebula (IC 410) near the constellation of Auriga using the Hubble palette filters.

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Published Articles by EAS Members

Ted Wolfe's article in the Naples News/Collier Citizen on March 31, 2018: Looking Up: Into the "Great Rift".

<https://www.naplesnews.com/story/news/local/communities/collier-citizen/2018/03/31/looking-up-into-great-rift/459168002/>

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



Photo of the "Great Rift" taken by Ted Wolfe.

The below link provides previous articles in the 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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Contributed by Mary Ann Wallace

Visit Calsky for Celestial Event Alerts

Are you curious about particular celestial events? Would you like to have your own calendar of only events you are interested in? www.calsky.com provides the opportunity when you create a free login account and specify your location. For instance, one of their alerts recently was for a supernova (mag. 13.8) discovered April 3, 2018 in NGC 3655 (mag, 12.3 galaxy) which is in Leo. You'll need a large scope and clear skies with those magnitudes, but a fun challenge to try and find. If you don't want e-mail alerts, you can still go to the website and once registered, click on the items you're interested in (open clusters, globulars, supernovae, etc.) and a description with time and location along with images will appear for your particular location.

NOTE: The EAS does not endorse this or any other website. We will include recommendations like the one above which was contributed by a club member and remind you that you must always use your own discretion when visiting any website on the Internet. This site requires that you create a free login account and specify your location for best results with this website. It appears that you can maneuver around this site to get information without actually creating an account.

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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.

Name: _____

Address: _____

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