



Monthly Notices of the Everglades Astronomical Society



Naples, FL
November 2017

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President's Message

Irma is still messing with us. The Norris Center is still not available for our November meeting. We will be holding the next meeting at the Fleischmann Park Facility in the art room. This facility worked out very well for us, vending machines and all. The address is 1600 Fleischmann Blvd, Naples. This park is just south of the Coastland Mall, on the corner of Goodlette-Frank. There is plenty of parking.

The program for the November meeting will be a Skype presentation. Last year, we experimented with Skype for the first time, and it was great. This allows us to get speakers from anywhere. The speaker for this meeting will be Dr. Judith Irwin. She is an astrophysicist from Queen's University in Kingston, Ontario. I have known Judith for years, and I can assure you that she is phenomenal. Her expertise is galaxies. Please see the title and abstract of her presentation on page 2.

Over the summer, your board worked on setting up financial policies and procedures. At our October meeting, the treasurer, Vic Farris, rose to the occasion. He submitted a great report. At that time, we had 81 paid members. His report will be a big help in preparing the 2018 budget. Thanks, Vic.

See you soon,
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
Nov. 11	12:22 a.m.	1:40 p.m.
Nov. 18	6:47 a.m.	6:06 p.m.

Sky Events

November 3 - Full Moon
 November 4/5 - Taurid Meteor Shower
 November 10 - Last Quarter
 November 17/18 - Leonid Meteor Shower
 November 18 - New Moon
 November 26 - First Quarter

Next Meeting

November 14, 2017: Time 7:00 – 9:00 pm
Fleischmann Park, 1600 Fleischmann Blvd., Naples
(Just south of the Coastland Mall on corner of Goodlette)

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Our Moon By Chuck Pavlick

I took some shots of the moon on 10/27/17. I pieced together the shots along the terminator and did a closeup of the Apennine Mountains. The bigger crater in the closeup is Archimedes; the small one above is Autolycus and to the right is Aristillus.



Photo of the Moon (along the Terminator) by Chuck Pavlick on 10/27/17.

November Speaker at EAS Meeting

Judith Irwin will be giving a presentation at our November meeting via Skype. Please see the below title and abstract regarding her presentation:

Feedback, Flares, Fountains and Flows -- How Galaxies Refuse to Sit Still

Galaxies used to be called 'Island Universes' to distinguish them from our own Milky Way with its myriad stars and nebulae. But they are far from that. New data are revealing that spiral galaxies are venting material into their halos, forming super-galactic ecosystems. Just how this occurs is still a subject of debate, but a key ingredient appears to be the magnetic fields that thread the region and may even connect to broader-scale intergalactic fields. From inflows to outflows, the agitated spirals are no longer 'islands' but active, dynamic systems that refuse to sit still.

We are all looking forward to this presentation.

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Published Articles by EAS Members

Ted Wolfe's article in the Naples News/Collier Citizen on October 24, 2017: Looking Up: Nebula described as "a drop of ink in a luminous sky"

<http://www.naplesnews.com/story/news/local/communities/collier-citizen/2017/10/24/looking-up-nebula-described-a-drop-ink-luminous-sky/796002001/>

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

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.

2018 Winter Star Party Tickets are available now

Due to the damage in the Florida Keys by Hurricane Irma, the 2018 Winter Star Party (WSP) will take place at the Chiefland Astronomy Village in Chiefland, Florida, from 2/12/18 through 2/18/18. Tickets are available now at the Southern Cross Astronomical Society website: <http://www.scas.org/>.

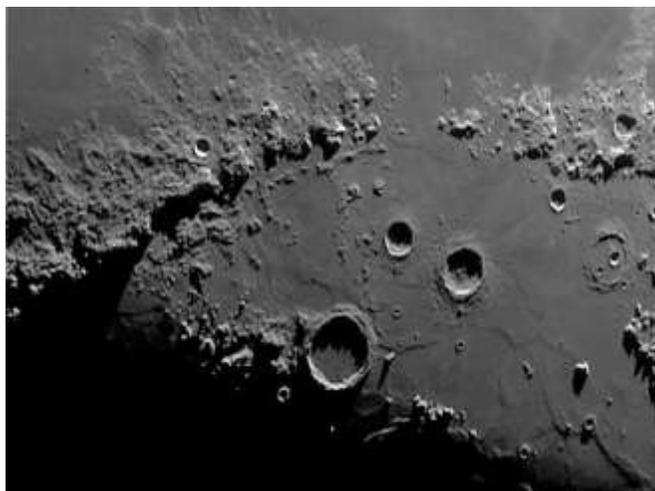


Photo of closeup of mountains and craters on the moon by Chuck Pavlick on 10/27/17.



Cell phone photo of the Moon taken by one of Bart Thomas' students at Beacon High School on 10/13/17 in the predawn hours through the 12.5" DOB telescope donated by EAS member, Eric Uthus.



Photo by Chuck Pavlick of the domes at the Chiefland Astronomy Village taken at last month's Chiefland Star Party.



Photo of the Veil Nebula taken by Chuck Pavlick last month at the Chiefland Star Party.

THANK YOU EAS From Jackie Richards

Thank you for the beautiful roses that were presented to me at last month's meeting by Denise Sabatini on behalf of the EAS for my work on the newsletter. I am very grateful for this opportunity to work on the newsletter every month. Working on the newsletter enables me to get to know the members of our club and it continues to help me learn about all the things in which I am so interested relating to astronomy. This job was made for me!



Photo by Ted Wolfe of NGC 6769, 6770 and 6771 taken from Chile. 9-Hour exposure; 200 million light years away. Note, the long arm being pulled out on the one on the left toward the one on the right. In this long exposure you can see the outer halo of gas and dust connecting all 3 players. Also note the "ears" that have grown on the bottom one as a result of the gravitational interaction between the 3 galaxies.



Photo by Victor Farris taken at last year's WSP in the Keys. Object: M1 (Crab Nebula); Telescope: Meade 12" ACF f/10; Camera: ZWO ASI 1600 MC; Exposure: 5 @ 30 secs; Processing: Nebulosity.

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EAS 2018 DUES

2019 Eclipse in Chile By Denise Sabatini

Dear Readers:

I know that some of you reading this do chase eclipses when the timing and the cost permit. A few days ago, my friends were in touch with their friend who runs astronomical trips and was hoping to put together one for the 2019 trip into Chile.

The projections for this trip go as follows:

1. **Length:** About 10 days
2. **Dates:** Approx. June 29 - July 9
The actual dates have not been set but the Eclipse (July 2) will be mid trip.
3. **Cost:** Depending on airfare (yes, it will be included), we are trying to keep it in the \$6,000 range.
4. **If you are interested:** Please respond to Edith Stanton at: theintrepidtraveler3@gmail.com. I have already sent Edith my interest in going on this trip if it can be put together.

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: _____

Phone: _____

Email: _____