



Monthly Notices of the Everglades Astronomical Society



Naples, FL
September 2018

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President's Message

The loss of our dear friend, Charlie Paul, has deeply saddened us. Charlie played a critical role in establishing our society to be top notch. Charlie's commitment to bringing the joy of astronomy to the public and especially the youth of our community inspired the Board of Directors to rename "The Everglades Astronomical Society Award" to "The Charles Paul Everglades Astronomical Society Award".

Many of you wrote to me expressing your sympathies. The Board realizes that many of you would like to honor him in some way. To celebrate Charlie and his contributions, one of our winter meetings will be dedicated to him. (I'll let you know which meeting when the details have been worked out.) The goal is to have those with anecdotes, photos, and memories share them with everyone. We would like to put together a DVD of photos to play at the meeting. So, if you have any photos of him that you would like included on the DVD, please send them to me. (You can also send them to Mike.)

September's meeting will be Part II of Dennis Albright's mass extinction presentation. I know Dennis has been working very hard to make this an informative presentation. I will not be able to be at the September meeting. Mike Usher graciously volunteered to step in for me.

See you in October,

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
September 8	4:50 a.m.	6:11 p.m.
October 6	3:38 a.m.	4:48 p.m.

Sky Events

Sept. 2	- Last Quarter
Sept. 8	- Jupiter Transit (Io)
Sept. 9	- New Moon
Sept. 15	- Jupiter Transit (Io)
Sept. 16	- First Quarter
Sept. 26	- Jupiter Transit (Ganymede)
Sept. 24	- Full Moon

Next Meeting

September 11, 2018: Time 7:00 – 9:00 pm
Norris Center, Naples

REMEMBERING CHARLIE PAUL



Charlie Paul (second from right, bottom row) and EAS club members at the 2017 WSP in the Keys.

Charles “Charlie” William Paul January 11, 1935 – August 10, 2018

Charles “Charlie” Paul, a long-time active member of our society passed away. Charlie served in many roles including president, observing chairman, and events coordinator. He loved sharing his knowledge with other members and the general public. He particularly loved sharing with young people his love of astronomy.

Charlie loved the Winter Star Party. He, along with his sons and other members, attended the WSP many years in a row. Charlie was privileged to attend the 2018 solar eclipse. These events brought great joy to him.

He was more than an amateur astronomer. Charlie was a mentor, a voice of reason, and a true friend. He will be greatly missed.



Charlie Paul (second from right), his sons, Jon Paul and James Paul, and Bob Gurnitz at the WSP in 2014 in the Keys.



Charlie Paul (second from right) and club members at the Fak Picnic in 2015.

PHOTOS BY CLUB MEMBERS



Perseid Meteor Shower photo by Jackie Richards on 8/13/18 in back yard in Golden Estates, Naples. Mars is setting below the meteor.



Photo of Mars by Chuck Pavlick on 8/14/18 taken in Cape Coral.



The Moon, Mars, Jupiter and Saturn by Chuck Pavlick

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Published Articles by EAS Members

Ted Wolfe's article in the Naples News/Collier Citizen on August 24, 2018: Looking Up: A strange encounter in deep space.



ARP 295 by Ted Wolfe

<https://www.naplesnews.com/story/news/local/communities/collier-citizen/2018/08/24/looking-up-strange-encounter-deep-space/1051426002/>

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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Award Donations

Donations were made for the Charlie Paul Everglades Astronomical Society Award from Tina Ferguson and David Gallentine, both of whom are non-members.



A Trip Through the Milky Way

By Jane Houston Jones
and Jessica Stoller-Conrad

Feeling like you missed out on planning a last vacation of summer? Don't worry—you can still take a late summertime road trip along the Milky Way!

The waning days of summer are upon us, and that means the Sun is setting earlier now. These earlier sunsets reveal a starry sky bisected by the Milky Way. Want to see this view of our home galaxy? Head out to your favorite dark sky getaway or to the darkest city park or urban open space you can find.

While you're out there waiting for a peek at the Milky Way, you'll also have a great view of the planets in our solar system. Keep an eye out right after sunset and you can catch a look at Venus. If you have binoculars or a telescope, you'll see Venus's phase change dramatically during September—from nearly half phase to a larger, thinner crescent.

Jupiter, Saturn and reddish Mars are next in the sky, as they continue their brilliant appearances this month. To see them, look southwest after sunset. If you're in a dark sky and you look above and below Saturn, you can't miss the summer Milky Way spanning the sky from southwest to northeast.



This illustration shows how the summer constellations trace a path across the Milky Way. To get the best views, head out to the darkest sky you can find. Credit: NASA/JPL-Caltech

You can also use the summer constellations to help you trace a path across the Milky Way. For example, there's Sagittarius, where stars and some brighter clumps appear as steam from a teapot. Then there is Aquila, where the Eagle's bright Star Altair combined with Cygnus's Deneb and Lyra's Vega mark what's called the "summer triangle." The familiar W-shaped constellation Cassiopeia completes the constellation trail through the summer Milky Way. Binoculars will reveal double stars, clusters and nebulae all along the Milky Way.

Between Sept. 12 and 20, watch the Moon pass from near Venus, above Jupiter, to the left of Saturn and finally above Mars!

This month, both Neptune and brighter Uranus can also be spotted with some help from a telescope. To see them, look in the southeastern sky at 1 a.m. or later. If you stay awake, you can also find Mercury just above Earth's eastern horizon shortly before sunrise. Use the Moon as a guide on Sept. 7 and 8.

Although there are no major meteor showers in September, cometary dust appears in another late summer sight, the morning zodiacal light. Zodiacal light looks like a cone of soft light in the night sky. It is produced when sunlight is scattered by dust in our solar system. Try looking for it in the east right before sunrise on the moonless mornings of Sept. 8 through Sept 23.

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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: _____

Phone: _____

Email: _____