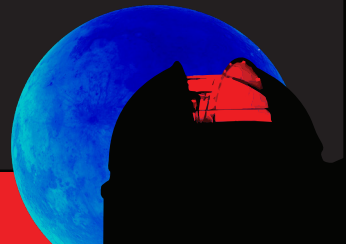


THE BLUE MOON OBSERVER

SEPTEMBER 2023
Volume 25, Number 9



DOOR PENINSULA ASTRONOMICAL SOCIETY

Promoting the science and public education of astronomy, encouraging observational participation in astronomy, and providing outreach at the Leif Everson Observatory.



The Door Peninsula Astronomical Society is a local club and a chapter of the Astronomical League.

DPAS operates and maintains the Stonecipher Astronomy Center and the Leif Everson Observatory, which is equipped with a PlaneWave Instruments 17 inch f/6.8 Corrected Dall-Kirkham Astrograph telescope on a L-500 mount for astrophotography and research. On a portable mount is a 102mm refractor with a hydrogen alpha filter for studying details of activity on the sun.

DPAS also owns and operates a portable planetarium with a state-of-the-art computer projection system which is used on cloudy nights, for daytime activities, and for public outreach in local schools and libraries.



**Ray and Ruthie Stonecipher Astronomy Center,
Leif Everson Observatory,
and Star Garden**

PO Box 331
2022 Utah Street
Sturgeon Bay, WI 54235



Elephant Trunk Nebula, DPAS processed by Tim Austin



MONTHLY MEETING SEPTEMBER 12, 7:00 PM

PROGRAM:

Introduction to Telescopes

With interest in astronomy skyrocketing in Door County, many folks are contemplating buying a telescope for themselves or as gifts.

DPAS member Steve Hellmann will discuss the different types of scopes, how they work and what to avoid. Following Steve's presentation, weather permitting, the meeting will end with demonstrations of both small and our observatory telescope.

Free and open to the public.

**Meet at the Stonecipher Astronomy Center
2200 Utah St., Sturgeon Bay**



SEPTEMBER
23

VIEWING NIGHT starting at
7:30 PM

Join the members of the Door Peninsula Astronomical Society for an "out of this world" experience. Weather permitting, the Observatory will be open and for naked eye and small scope viewing will be offered. Weather-or-not, Planetarium shows will be offered.

Free and open to the public.

**Astronomy Campus
2200 Utah St.
Sturgeon Bay**

OUTREACH IN AUGUST



AUGUST 1 & 7

Planetarium Shows

Tim, Dave and Amanda took the inflatable planetarium to Sturgeon Bay and Sister Bay Libraries.

AUGUST 7

Planetarium Show at Shepherd of the Bay

Amanda presented two show for church youth groups.

AUGUST 8

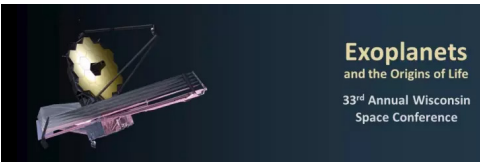
DPAS General Meeting



AUGUST 12

Solar Viewing at Potawatomi State Park

Amanda offer Solar viewing and information booth at top of the old Ski Hill

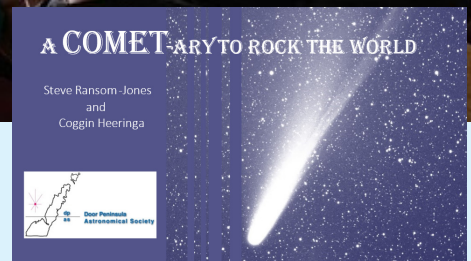


AUGUST 12

Wisconsin Space Grant Conference

Coggin represented DPAS at the Wisconsin Space Grant Conference.

MEETING HIGHLIGHTS



In preparation for the Perseid Meteors Shower, a tag team of Steve Ransom-Jones and Coggin Heeringa presented the program, "A COMET-ary to Rock the World." Coggin reviewed

historical references pertaining to meteor showers, while Steve began with the origin of the Solar Planetary System and described the various forms of "space rocks," with interstitial insights into asteroids. He then, with great gravity, described reentry, with glancing references to Earthgrazers and the irony of metallic meteors. Coggin added the final building blocks by noting that the elements found in comets: carbon, hydrogen, nitrogen, oxygen, and sulfur just happen to be crucial ingredients for life on Earth and also suggested that perhaps, the ice from comets could be the source of at least some of the water on Earth. The meeting melted into skygazing when the skies opened up.

DPAS IN THE NEWS

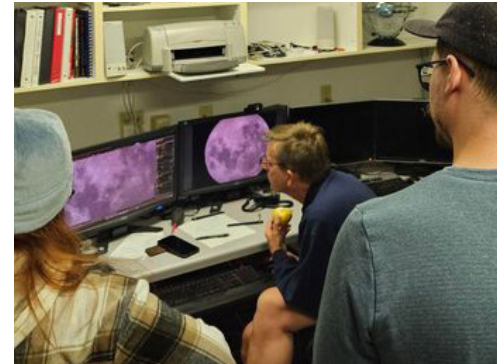
The society was covered in Let's Go Door County, the Door County Advocate, the Milwaukee Journal Sentinel, Door County Today, and the Peninsula Pulse this month.



AUGUST 12 & 13

Meteor Viewing Parties

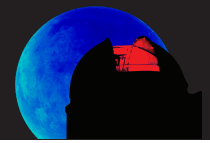
On Friday night the thunder (plus lightning and torrential rain) crashed the party, but on Saturday, some success.



AUGUST 2, 15, 30

Open Dome Nights (and Super Moon Night)

Unscheduled pop-up viewing nights are announced on our Facebook. Follow Door Peninsula Astronomical Society Facebook for future Open Dome nights.



BOARD OF DIRECTORS

David Lenius
PRESIDENT

Tom Gwilym
VICE PRESIDENT

Jacque Axland
SECRETARY/TREASURER

Tom Minahan
GENERAL MEETING SECRETARY
AND OUTREACH CHAIR

Steve Ransom-Jones
PROGRAM CHAIR

Jenny Austin
MEMBER AT LARGE

Jim Gallt
MEMBER AT LARGE

Coggin Heeringa
SCHOOL COORDINATOR, EDITOR


Ray Stonecipher
IN SPIRIT

The business of the DPAS is largely conducted at the Board meetings to leave the general meetings open for programs. Members of DPAS are invited to attend Board meetings.

UPGRADES TO THE OBSERVATORY

If the Leif Everson Observatory seems to gleam in the light of our nearest star, there is a reason. On the last day of August, DPAS members repaired the track of the dome and power-washed away two decades of grime.

What you can't see from the outside, but what pleases us even more, the long awaited video camera, full frame (very large sensor with bigger pixels), ASI2400Mc Pro., arrived and has been installed. Our telescope pilots are thrilled.



**DOOR PENINSULA
ASTRONOMICAL SOCIETY
MEMBERSHIP FORM**

Please print to complete:

ADULTS' NAME (S) _____

CHILDRENS' NAME (S) _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____

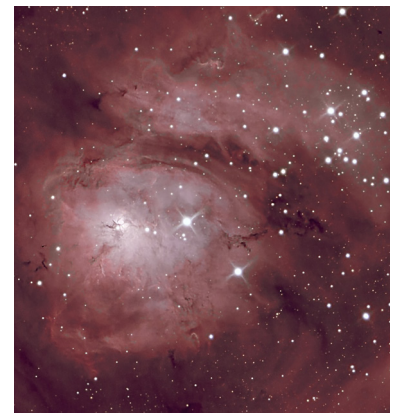
EMAIL (REQUIRED TO RECEIVE NEWSLETTER) _____

Family \$25 per year

Student \$5 per year

I (we) wish to make a donation of _____ to help underwrite operation costs of the Society.

Mail payment to: DPAS, PO Box 331, Sturgeon Bay, WI 54235



Lagoon Nebula or M8. This is fairly low in the southern sky, but despite that, we are able to capture some fine details in the dust lanes. This is a big, bright object that is visible in small scopes, binoculars, or even naked eye in dark skies.



M-51, DPAS image, processing by Jim Gwilym



Buble Nebula, DPAS image, processing by Jerry Fictum

ASTROPHOTOGRAPHY:

*where the beauty of the night sky
meets the precision of science and the creativity of art.*

KARL PERERA



Astrophotography Exhibit

DPAS produced artistic images on display and available for purchase. (A portion of each sale will be donated to DPAS.)

Visit during the month of October
219 Steele St., Algoma, Wisconsin

At DPAS we believe astrophotography is both art and science!

To learn more about galaxies, nebulae and other deep sky objects captured by our telescope and processed by DPAS members, follow the Door Peninsula Astronomical Society Facebook page.



DOOR PENINSULA ASTRONOMICAL SOCIETY

Meetings of the Society are held on the second Tuesday of every month at 7:00 PM in the Stonecipher Astronomy Center. 2200 Utah Street in Sturgeon Bay

WWW.DOORASTRONOMY.ORG

Veil Nebula, DPAS image, processed by Jim Gwilym