

\* CAS \*

# Charlottesville Astronomical Society



February 2022



# Welcome Guests Welcome Zoom Guests New Members

**Timothy Kimble  
Maria Martin  
Charles Jacobson  
Tucker family  
Josh Urban**



# Club Business

- **CAS Bank Account Balance : \$14,462.01**
- 
- **Future Astronomers Share: \$6,393.18**
- **Uncleared Checks: -0-**
- **Petty cash: \$110.00**
- **Total CAS cash assets : \$14,572.01**

CAS is a 501c3 Non-profit

**\*\*\*DUES ARE NOW PAST DUE\*\*\***

Pay online at: <https://www.cvilleastro.com/online-member-application/>

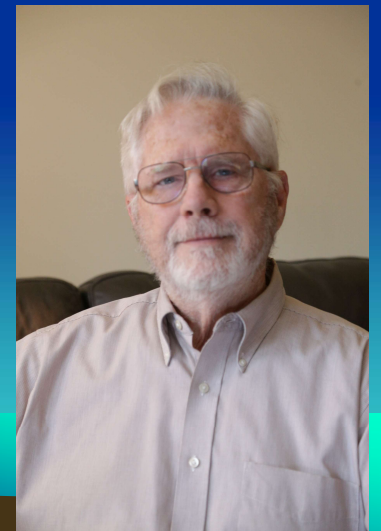


# New Members – Get to Know Ed

CAS Mentor and Equipment Manager Ed Preston

I retired from a career in mechanical engineering in 2007. In 2008 my wife and I moved from Galveston County TX to Charlottesville. We live under a half-dark sky, but within easy reach of local commerce. I have been seriously interested in amateur astronomy since I saw M5 through a home built 17.7" Dob about 1986. My primary interest is in helping other amateur astronomers advance in the hobby. I also pursue still and video astro-imaging. Recently clouds have gotten in my way a lot, so, like making lemonade from lemons, I am branching out toward skyscapes and time-lapse video of clouds.

Ed is the person to contact about using one of the club loaner scopes [ed.pr3ston@embarqmail.com](mailto:ed.pr3ston@embarqmail.com)



# Member of the Month

- Grew up in the high northern latitudes
- Recently Arrived in Charlottesville
- Favorite Objects to observe – Ice Giants
- Prefers to observe in cold weather



# Frosty the Snowman



# Astronomical Events for February

This month all the action is in the morning sky

- |      |  |
|------|--|
| 2.1  | New Moon   |
| 2.7  | Lunar occultation of Uranus  |
| 2.9  | Venus at greatest brightness in morning sky above Mars and Mercury in the SE |
| 2.16 | Full Moon  |
| 2.16 | Mercury at greatest elongation in early morning sky                          |
| 2.27 | Venus, Mars and the Moon in SE pre-dawn sky                                  |
| 1.29 | Mars and Crescent Moon in Pre-dawn sky                                       |

- **Look for Observing Information in emails from Merian Burkett**



# Observing Director's Report

- We have an opportunity for a club observing session at Fan Mountain and it was suggested that the Caldwell Catalog would be a great resource to explore with. We will need a head count of how many are attending. If you want to attend, please comment here and I'll start a list of attendees. As we get closer, we will make the final arrangements for time, etc.

Here's a link if you want to find out more about the catalogue: [Explore - The Night Sky | Hubble's Caldwell Catalog | NASA](#)





# February 15<sup>th</sup> Sky 8:15 pm



# February 17<sup>th</sup> Sky 6:30 am



# What's Up In February

[The Outer Banks Voice - What's Up: February 2022 Skywatching Tips from NASA](#)



# Website of the Month

## NEAF and NEAIC Back in 2022

### April 7 – 10, 2022

**NEAF 2022**  
Northeast Astronomy Forum  
April 8-10, 2022

The World's Largest Astronomy & Space Expo!

**NOTE:** All previous unused purchases & registrations will be honored at NEAF 2022.

Bringing you the Universe in two exciting event-packed days, NEAF is renowned worldwide as the ultimate astronomy and space experience. Nowhere else can you find as much in one place or at one time. For more details, please [Click Here for NEAF 2022 Links](#).

Check out our NEAF Facebook page!

**NEAF 2022 Speakers**

- Eliseo Corbelli, Space Shuttle Commander
- Megan Cox, JPL Systems Engineer, Mars Rover Mission
- Gerry Griffin, Apollo Flight Director
- Jonathan Ward, Author & Blogger, Amateur Astronomer
- Jeff Raskinbaugh, Planetary Scientist, Deeply Media
- Joe Rao, Science Writer & On-air Personality, "Will Comet 73P/Schwassman-Wachmann 3 Produce a Meteor Outburst in May?"
- Plus Much, Much More!

For more speaker details, [Please Click Here](#).

**NEAF Talks** [\[watch videos\]](#)

**Features**

- World Renowned Speakers 2022 Schedule TBA
- 100+ Workshops & Exhibitions
- NEAF Solar Day Party Only Observing
- Daily Demonstrations & Talks
- Produce Conference 2022 Schedule TBA
- Getting Started Beginner's Demos
- 24/7 Space & Astronomy Podcasts
- Amazing Trade Shows
- Hearty Dinner Plate Dinners
- Local Hotel Rates
- Refreshments & Lunch Available
- Free Parking Onsite

View Photo Gallery

Free samples of outstanding NEAF speakers

**John Grunsfeld**  
NASA Science Director, Physicist, Former Space Shuttle Astronaut

**Buy Tickets Online**

Member & Non-Member Event

Tickets: \$30 1-Day  
\$50 2-Day  
\$15 1-Day Students 13 and older (College Students, ID required)  
FREE 12 or under (with parent)

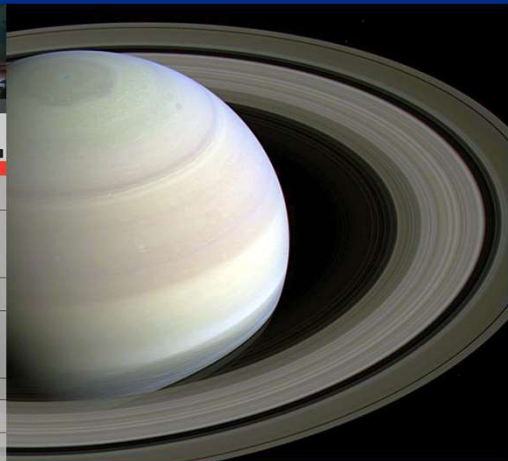
Payment: Major Credit Cards & PayPal  
Cash & CC's at Entrance Sat & Sun

Location: SUNY Rockland Community College  
145 College Road  
Suffern, New York 10901  
(Just 28 miles North of NYC)  
[Map](#)

Travel: Public Transport, Train, etc.

Hours: Sat. 8:30 am – 6:00 pm  
Sun. 10:00 am – 5:00 pm

Events: [NEAF 2022 Schedule TBA](#)



**AC Rockland Astronomy Society**

**NEAF 2022**  
Northeast Astro-Imaging Conference  
NEW DATES: April 7-8, 2022

Due to the National Pandemic Emergency, the next live NEAIC has been scheduled for April 2022. All purchases & registrations will automatically be honored.

**Imagine!**

In the last dozen years, NEAIC has grown in both size and stature, becoming the most eagerly anticipated astronomical imaging conference in the United States.

Devoted to all aspects of Astronomical Imaging, this two-day event hosts leaders and acknowledged experts in extra solar planets, variable stars, minor planets, asteroids, comets, and supernova research with the intention of fostering pro-am collaborations.

With attendance expected to be more than 200, you will be very busy both days networking and learning from both amateur and professional astronomers.

**Registration in this 2-Day event includes:**

- Entrance to all NEAIC daytime activities
- Continental Breakfast & Multi-course Hot Lunch both days
- 2 Day Pass to NEAF 2022, April 8-10
- 4 Opt. Night-time Workshops (see below)

**Workshops & Lectures 2019 (2022 Workshops TBA)**

- by prominent professional & amateur astro-imagers
- Deep-sky imaging
- High-resolution & planetary imaging
- Digital SLR cameras
- Equipment showcases of all the leading astro-imaging manufacturers
- Fantastic door prizes

**Register Now Online**

View Photo Gallery

Member & Non-Member Event

Tickets: STBA 2-Day Entrance  
STBA Night-Time Workshops (each)

Payment: Major Credit Cards & PayPal  
Cash at Entrance Thurs & Fri

Location: Crowne Plaza Conference Center  
3 Executive Boulevard  
Suffern, New York 10901  
(Only 30 minutes North of NYC & 2.5 miles from NEAF)  
[Map](#)

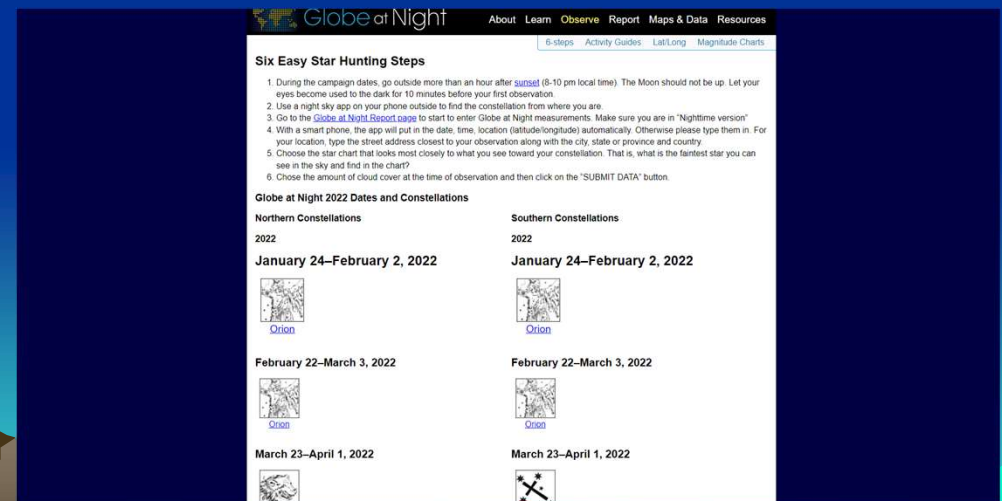
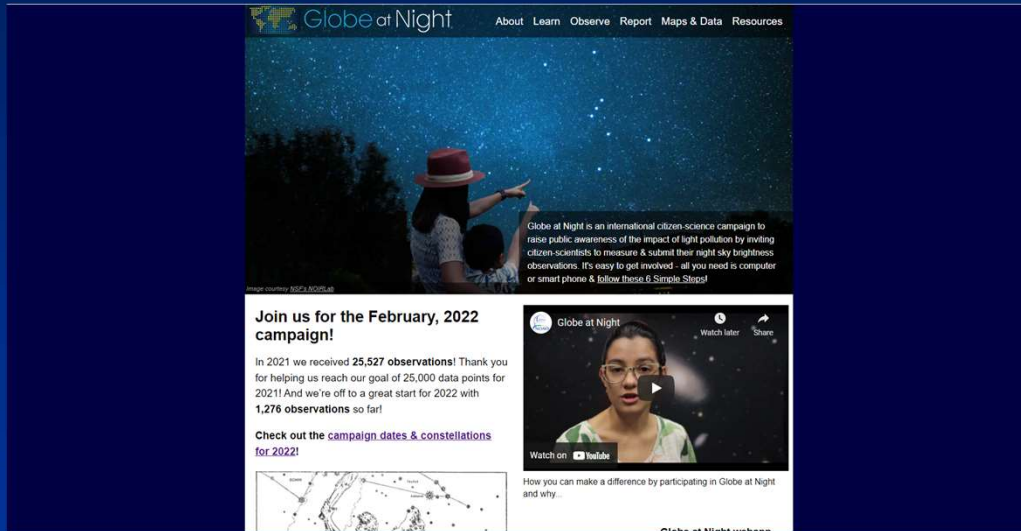
Travel: Public Transport, Train, etc.

Hours: Thurs April 7, 8:30 am to 10:00 pm  
Fri April 8, 8:30 am to 10:00 pm



# Website of the Month

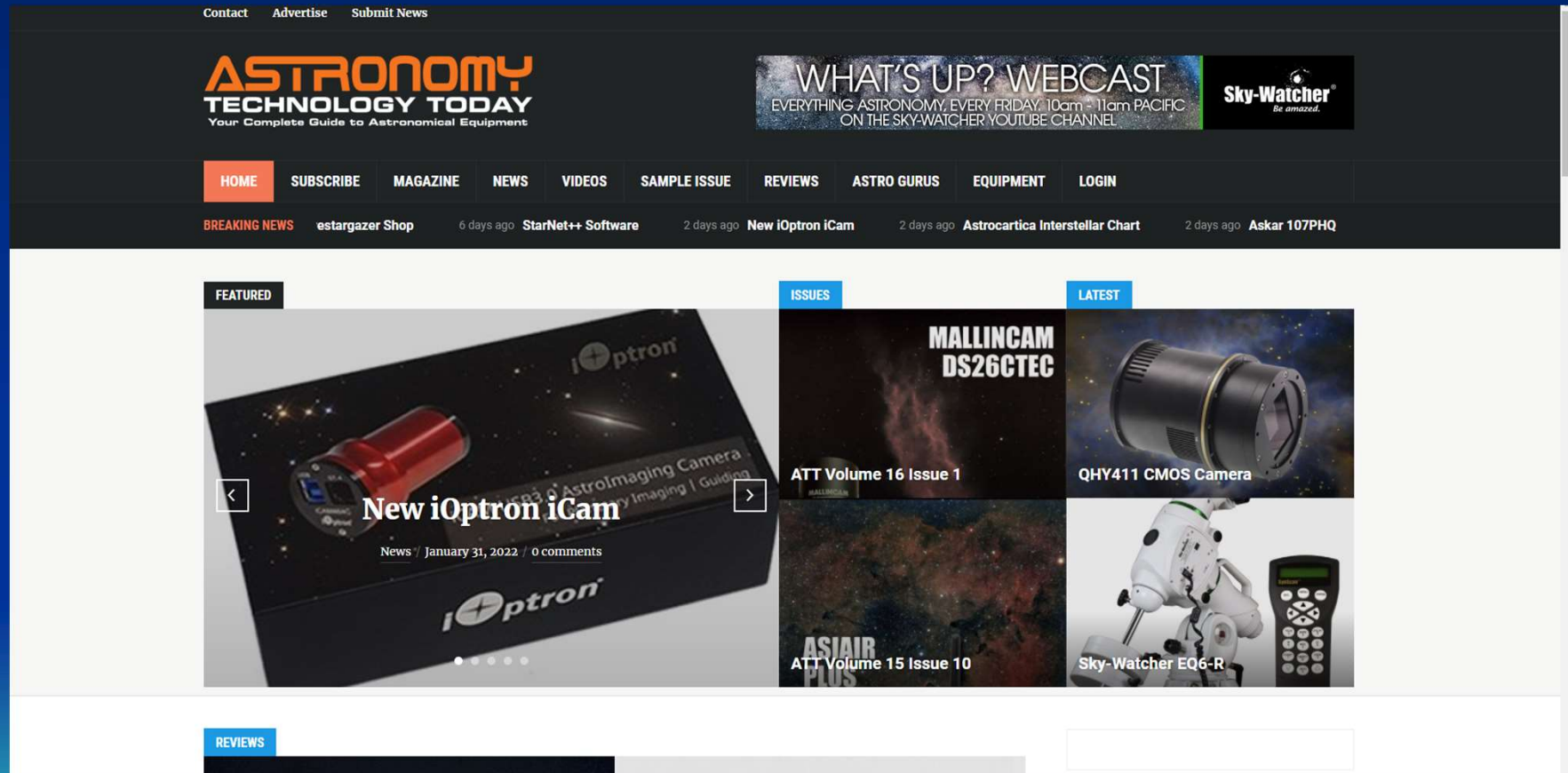
## Globe at Night





# Website of the Month

## Astronomy Technology Today



# Upcoming Speakers

- **March**
- Apollo 16 – Ed Murphy, UVA Astronomy
- **April**
- Galaxy Mergers – Aaron Evans, UVA Astronomy

**\*\*\*Looking for suggestions for 2022\*\*\***



# Big Meadows Update

Rich Drumm

Email Rich for Details

[theastronomybum@gmail.com](mailto:theastronomybum@gmail.com)





# CAS Events

**UVA plans to open next week in  
person with masks**

**Required indoors. Unless this  
changes, they will begin**

**Public Nights and Group Nights  
beginning February 1 and we would  
be able to hold our February  
meeting in the classroom at  
McCormick. Stay tuned...**



# 10 Minute Topic

## The Search for Dark Matter

Dave Giltinan



# Tonight's Speaker



**Chloe Dedic**, Assistant Professor at the University of Virginia in the Department of Mechanical and Aerospace Engineering

## Laser Based Spectroscopy



# Next Meeting

Wednesday, March 2, 2022

McCormick Observatory?

This will NOT be a zoom meeting  
UNLESS ... Things change



# Door Prize Drawing

