

\* CAS \*

# Charlottesville Astronomical Society



June 2022  
Hybrid Meeting

# Welcome Guests Welcome Zoom Guests New Members

**Paul Wilcox** [pwilcox804@comcast.net](mailto:pwilcox804@comcast.net)

**Laura Smith family** [lauraproudsmith@yahoo.com](mailto:lauraproudsmith@yahoo.com)

**Abraham Ankney** [aankney1@gmail.com](mailto:aankney1@gmail.com)



# Club Business

- **CAS Bank Account Balance : \$14,465.49**
- 
- **Future Astronomers Share: \$6,101.61**
- **Uncleared Checks: \$605.00**
- **Petty cash: \$110.00**
- **Total CAS cash assets : \$13,970.49**

- **CAS 2022 Membership**

- **Individual** 35
- **Family** 39
- **Senior** 44
- **Student/Military** 3

**Total** 121

CAS is a 501c3 Non-profit

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)



# Moon phases for June



<https://www.moongiant.com/calendar/june/2022/>



# Astronomical Events for June

This month most of the planet action is in the morning sky

6.14	Full Moon (Strawberry or Honey Moon)
6.18	Conjunction of the Moon and Saturn in AM
6.21	Conjunction of the Moon and Jupiter in AM
6.21	Summer Solstice – Longest day of the year
6.22	Conjunction of the Moon and Mars in AM
6.22	Grand Alignment of the Visible Planets in AM
6.24/25	Rockfish Valley Star Party
6.26	Conjunction of the Moon and Venus in AM
6.27	Peak of the Bootids Meteor Shower
6.29	New Moon

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



# Rockfish Valley Star Party (redux)

- LOCATION: field BEHIND THE [Rockfish valley community center](#).
- [8:30 pm – 12:00 AM](#). [jun 24/25](#) , sept 16/17, dec 16/17, 2022 and, mar 17/18, 2023.
- SUNSET 8:37pm, End Of Nautical T'light 9:51pm, end of Astro T'light 10:37pm.
- PROGRAM: *summer solstice.pptx*, LASER TOUR OF CONSTELLATIONS, EARLY OBJECTS WITH EVSCOPE AND THEN dark sky observing WITH VISUAL TELESCOPES.
- Amenities: restrooms, guest cars to be parked other side of building, hot chocolate and/OR local coffee, vehicle access to field, BUILDING LIGHTS OUT.
- Contact: [ed.pr3ston@embarqmail.com](mailto:ed.pr3ston@embarqmail.com) to be put on mailing list.



# Club Outreach for June

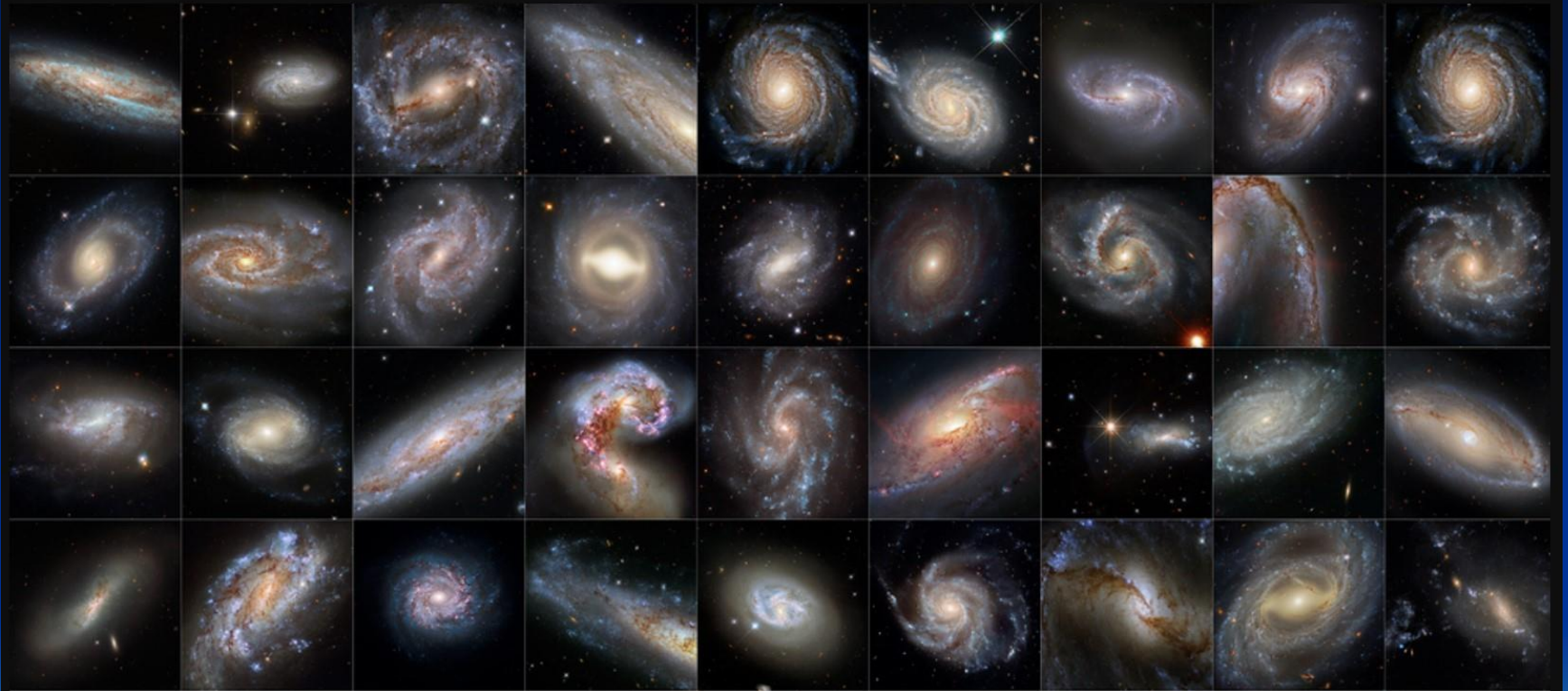
- 6.3 First Fridays at Ivy Creek – Solar 12:00 – 1:00 pm
  - 6.3 Big Meadows - M44, M13, M57 (Ring Nebula)
  - 6.10 McCormick Group Night – UVA Alumni 9:00 – 11:00
  - 6.17 Big Meadows - M44, M13, M57 (Ring Nebula), Milky Way
  - 6.24 McCormick Group Night
  - 6.24/25 Rockfish Valley Star Party
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- Rich Drumm coordinates Big Meadows events
  - Larry Saunders coordinates McCormick events
  - Ed Preston coordinates Rockfish Valley events
  - Steve Layman coordinates all others





# Ten Minute Topic, Dave Giltinan

Galaxies with BOTH Cepheids and Type 1A Supernovas seen by Hubble



The Trouble with Hubble — The Constant, not the Telescope



# Ten Minute Topic, Boris Starosta

## COUNTING SUNSPOTS WITH A \$10 OPTICAL TUBE ASSEMBLY



Copyright 2022, Boris Starosta

# What's Up In June

<https://solarsystem.nasa.gov/skywatching/home/>



# Website of the Month

<http://www.scopestuff.com/>

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[X -- ATM Stuff](#)  
[Y -- Not Astro Stuff](#)  
[Z -- Ordering, Warranty Etc](#)

# Upcoming Speakers

- **July**
- Dr. Seth Shostak, SETI Institute, Big Picture Science
- **August**
- Colin Haig, Diffraction Limited/SBIG
- **September**
- Dr. Pamela Gay
- **October**
- Casey Drier, Chief Advocate for the Planetary Society
- **November**
- OPEN
- **December**
- OPEN





# Tonight's Speaker



**David L. Pierce**  
**Director, NASA's Wallops**  
**Flight Facility**



**Wallops Flight Facility's Capabilities in Support of Science**

# Next Meeting

Wednesday, July 6, 2022

McCormick Observatory

Hybrid meeting planned



# Door Prize Drawing



Tonight's Prizes:

