

\* CAS \*

# Charlottesville Astronomical Society



April 2014



# Welcome New Member(s)

David Murr

GUESTS



# Club Business

- Dues are DUE – See Ed Tonight!
- 85 members (dues paid)
- Checking account and Cash on Hand: \$3,741.37
- See Ed Preston for information on discounted subscriptions to Astronomy and Sky and Telescope



# Tonight's Speaker

**Senior High Astronomy,  
Reaching for the Stars?**



Jamie Bourland

# Club Scopes

- Club Scopes available for use by members <http://cvilleastro.com/club-telescopes-available-for-club-member-use/>
  - See Rich for information [richard@drummdigital.com](mailto:richard@drummdigital.com)



Thanks to those  
who participated in the PVCC  
Family Starry Night



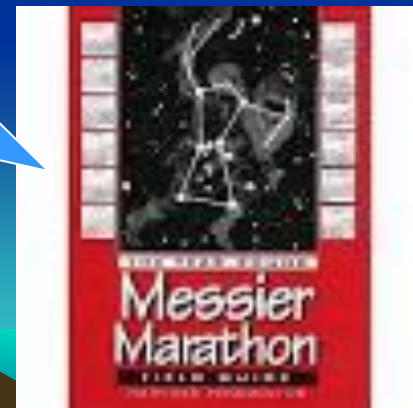
# Future Club Events

March 29/30

Messier Marathon

For Observatory

Rained Out ☹️



# Future Club Events

Friday, April 4

Ivy Creek Open Party

Rescheduled  
For May 2 ☹️

SV. VA

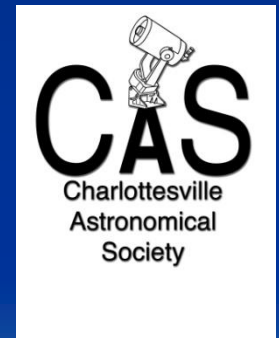


# Future Club Events

Friday, April 25

Fan Mountain Open House

7:00 – 10:00





# Library Project

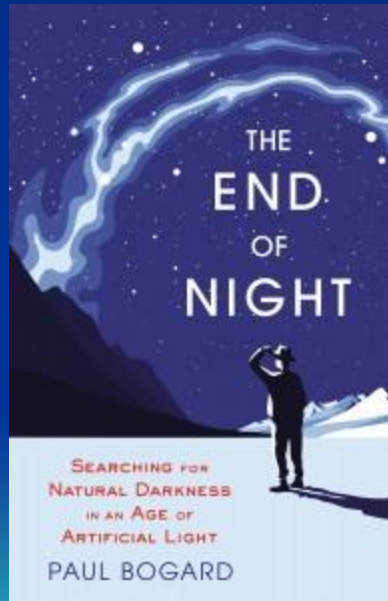
The Library is READY!

Check it out before you  
leave tonight! Follow the  
Signs

# Upcoming Speakers

MAY

Paul Bogard



# Upcoming Speakers

JUNE

Sunday, June 1

2:00 pm

James Madison University



# Member of the Month

- Born and Raised in the Chicago Area
- Widowed with one daughter and granddaughter
- Started in astronomy at age 10 w / 3" Edmund Newtonian reflector
- Engineering degrees from Illinois Institute of Technology, Midwest College of Engineering, Perdue University and George Washington University
- 27 years in design, test and procurement of aircraft and missiles for Navy and Marine Corps including H-1, H-60, H-53, F-18, A-6, E-2.
- 10 years member of Southern Maryland Astronomical Society



- 2 years member of CAS
- Hobbies include cycling and music (piano, violin and guitar)
- Astro Ops Coordinator for Fluvanna .....





# My Favorite Object

Stars with Color

Steve Layman





# Most folks look up and see stars but very few notice the colors

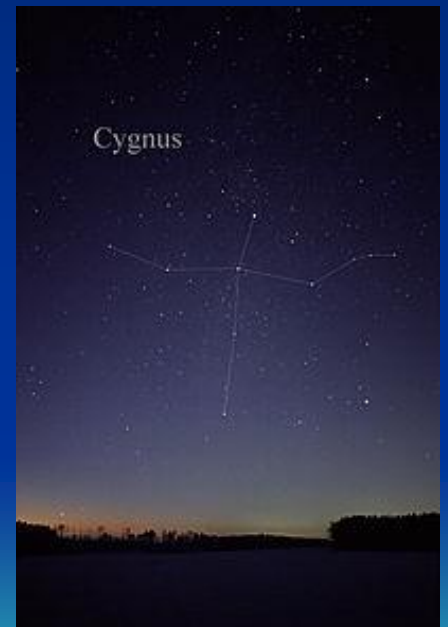
## Using a small telescope – 80 mm - you can teach them about the lives of the stars



Betelgeuse



Alberio



- How stars are born, burn their fuel and die
- Betelgeuse and Alberio are found in easy to identify constellations



# CAS Astro-OP Activity/Status ~ 3/5/14 – 4/4/14

- **Activities/Events/Meetings**

- 3/8/14 – CAS member Rich Drumm and Fritz Repich supported a Dark Skies, Bright Kids event at Ruckersville Elementary School with solar observations and astronomy handouts. The event attracted over 200 people.
- 3/12/14 - Bill Phillips, Steve Layman, Rich Drumm, Ed Preston, Michael Rein, Jim Wilson, Fritz Repich served as judges at the Virginia Piedmont Regional Science Fair
- Coordinated upcoming CAS Astro-OP activities and events for the April – May 2014 timeframe: Steve, Ed, Fritz
- 3/19/14 – Ed Preston and Fritz Repich met with Rosewood Village Activities Coordinators Chrystal Plaughter and Hank Graham to plan a presentation on April 29<sup>th</sup> for community residents.
- 3/21/14 – Supported the Family Starry Night event sponsored by the PVCC Chapter of Mu Alpha Theta, Student Veterans of America, and Physics Honors Students. CAS member Ed Preston presented a lecture on “Charles Messier and His List”. Other presenters included Dr. Ed Murphy-UVA, Dr. Brian Kent-NRAO, and John Stoke-NRAO. CAS member/PVCC Astro-OP Coordinator, Arman Mottaghi planned and managed the event attended by more than 250 people. CAS members Wes Epperly, Larry Saunders, Mike Hegedus, Ed Preston, Rich Drumm and Fritz Repich also participated.



# Upcoming Activities and Events

- **The Fluvanna Middle School Astronomy Club** meets **April 14<sup>th</sup> and 28<sup>th</sup>** - the 2nd and 4th Monday of each month from approximately 3:15 PM to 5:00 PM. **Larry Landress** and **Mike Hegedus** are the CAS Astro-OP Coordinators for Fluvanna County.
- **The Locust Grove Middle School Astronomy Club** (Orange County) meets on the third Wednesday (**April 16<sup>th</sup>**) of the month from approximately 2:40 PM to 4:00 PM. **Ed Preston** is the CAS Astro-OP Coordinator for Orange County.
- **CAS Astro-OP** is currently negotiating with the **Jefferson-Madison Regional Library** to establish an **Astronomy Outreach Roadshow** that will rotate among the eight library branches throughout the year. Volunteer speakers and members with telescope/binoculars will be needed to make presentations and night sky observations,
- **BSA Astronomy and Space Exploration Merit Badge Award Support for UVA/Dr. Ed Murphy, Sat. 4/12/14. Interested CAS members contact Fritz Repich.**
- **April 25, 2015 UVA Fan Mountain Open House, \**
- Scott Duresky has volunteered as the CAS Astro-OP Coordinator for Madison, and possibly Greene Counties.
- **Rose Wood Village at Hollymead** “Let’s Learn” program on April 29 at 4 PM. CAS members Ed Preston, Steve Layman, and Fritz Repich will be conducting a presentation for the residents
- ***We welcome any support that you are able to provide ~ contact Steve Layman or Fritz Repich for information.***

# CAS Astro-OP Support Needs

- **Astro-OP County School System Coordinators (a/o 4/4/14)**
  - Albemarle/Charlottesville: Steve Layman
  - Fluvanna: Larry Landress, Mike Hegedus
  - Greene: Fritz Repich
  - Madison: Scott Duresky, Leo Lombardi
  - Orange: Ed Preston
  - PVCC: Armand Mottaghi
- **Additional Coordinators Needed:**
  - *Albemarle/Charlottesville (1 more), Greene (1 more), Madison (1 more), Orange (1 more)*
- **CAS Speakers & Repertoire of Topics (a/o 4/4/14)**
  - Ed Preston – “Finding Things in the Night Sky”, “The Cosmic Distance Ladder”, “Charles Messier and His List” and the “10-Minute Moon”
  - Steve Layman – “Solar System and Night Sky” , “Telescopes”
  - Fritz Repich – “Our Sun”
- **Topic Speakers Needed:**
  - *Black Holes.....(3rd - 12<sup>th</sup> Grade Audiences)*
  - *Night Sky Cosmology .....(3rd - 12<sup>th</sup> Grade Outdoor Audiences)*
  - *History of Astronomy .....(3<sup>rd</sup> – 12<sup>th</sup> Grade Audiences)*
  - *How to Build A Telescope.....(5<sup>th</sup> - 12<sup>th</sup> Grade Audiences)*
  - *Moon and Planets.....(K – 5<sup>th</sup> Grade Audiences)*
  - *Major Astronomy Discoveries (all Audiences, ages 5 and up)*
  - *Other Topics ????.(all Audiences)*
- **An editor is needed for the CAS Astro-OP E-News – see Fritz Repich**

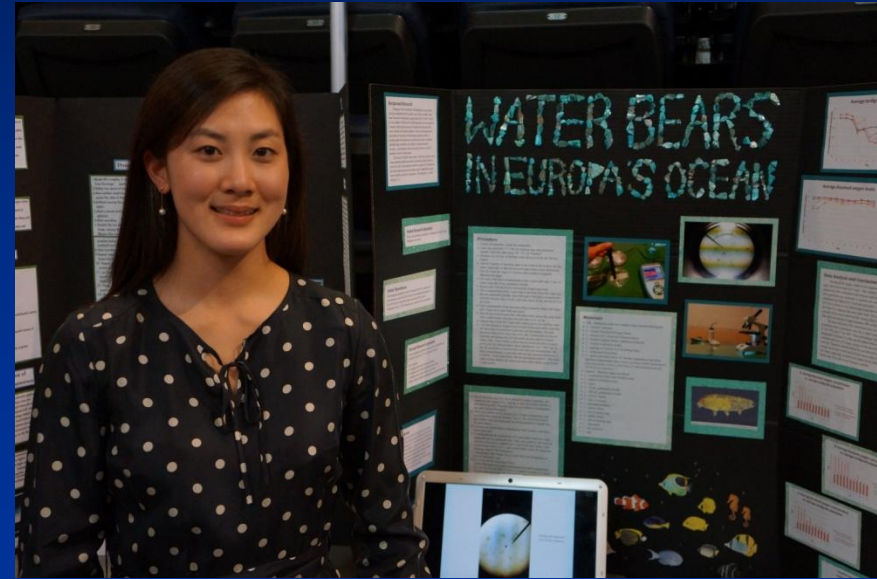


# Outreach Pix

## CAS Sceince Fair Award Winners



Marina (Izzy) Petretich  
Kepler's 3<sup>rd</sup> Law



Leila Chang – Water Bears

# Your Pictures Wanted.....

<http://cvilleastro.com/astro-images/>



# What's Up This Month

In the Night Sky

<http://www.jpl.nasa.gov/video/>





# Web Site of the Month

<http://ds9.si.edu/site/Home.html>



# 10 Minute Topic

Scott Duresky

## My Favorite Observations



# Door Prize Drawing

