

\* CAS \*

# Charlottesville Astronomical Society



January 2014



Welcome New Member(s)

David Rossetter  
Quinn, Diane, Lily and Adeline  
Curtis  
and  
GUESTS



# Tonight's Speaker

**Mark Kochte**



**For the World has Hollows, and I have Touched the Ice  
– The Greatest, Latest MESSENGER Findings on  
Mercury**

# Club Business

- Dues are DUE – See Ed Tonight!
- 46 members (dues paid)
- Checking account and Cash on Hand: \$3,280.61
- See Ed Preston for information on discounted subscriptions to Astronomy and Sky and Telescope



# 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)



# Future Club Events

Friday, January 17, 7 to 9 pm

## **Public Star Party**

Ivy Creek Natural Area

Presentation???

Rain / Clouds Cancel



# Future Club Events

Friday, January 31, 7 to 9 pm

## Heidi's Night #2

26" - Chris Nichols

Laser Show – Rich Drumm

Classroom Show – Larry Saunders

Dog House – Steve Layman

Small Scope Presentation - ????

Traffic / Flow Control – Fritz Repich and ????



# Future Club Events

McCormick Group Night

Friday, January 24

7 – 9 pm

Presentation – Steve

26” – Larry

Doghouse - Steve





# Future Club Events

McCormick Group Night

Friday, February 14

7 – 9 pm

Presentation – Rich

26” – ???

Doghouse - ???



# Future Club Events

## Saturday, February 22

### **Astro OP Star Party**

### Blue Ridge School

Rain / Clouds Cancel



# Future Club Events

March 29/30

## **Messier Marathon**

?Fan Mountain Observatory?

Rain / Clouds Cancel



# Astronomical League Awards

Have you participated in any of the following?

- Fall Fan Mountain
- Hollymead Star Party
- Ivy Creek
- Rockfish Valley Star Gaze
- Open Doors session
- McCormick Group Nights

If so.....



# Astronomical League Awards

The Astronomical League  
Outreach Award



Some of you are getting close.....



# Astronomical League Awards

## Lunar Observing Award

- \* observe 100 objects on the moon

- \* log your observations

- \*



<http://www.astroleague.org/al/obsclubs/lunar/lunar2.html>



# Library Project

The Library is READY!

Check it out before you  
leave tonight! Follow the  
Signs

# Upcoming Speakers

## February

- Hillside Settlement – MARS Foundation
- CAS Member Greg Brown





# Upcoming Speakers

## March

Building the New Horizons LORRI Imager: A 20  
cm Ritchey-Chretien for Pluto

Steve Conard, Applied Physic Lab



# Upcoming Speakers

April

Teaching Astronomy at the High School Level  
Jamie Bourland, Blue Ridge School



# Member of the Month

- Born in Parkersburg, West Virginia, and is married to another Mid-Ohio Valley native
- Graduated Washington State Community College in 2005, Marietta College in 2006, and Ohio University in 2008
- Worked for the Folgers Coffee Company and Kao Brands in Cincinnati
- Currently attending UVa
- Started astronomy hobby in 2013. Also enjoys computers, news, and non-fiction books





at Marietta College's  
Anderson-Hancock  
Planetarium. Whit Hancock is  
an alum of UVa ('68)



at the McCormick Farm  
workshop where the first  
practical reaper was developed  
in 1831

# My Favorite Object

ON

HOLIDAY

Returns in February



# CAS Astro-OP Activity/Status ~ 12/5/13 – 1/8/14

- ***Activities/Meetings***
  - 12/18 Locust Grove MS Astronomy Club (Orange County): Ed Preston & Fritz Repich
    - Presentation: Our Sun - Fritz
    - Solar Observations by 42 LGMS Students using the CAS Solar Telescope w/H-alpha Filter and the John Avellone Scope w/Solar Filter – Ed Preston
  - 12/5 /13– 1/8/14 Coordinated upcoming CAS Astro-OP activities and events for the Jan – Feb 2014 timeframe: Steve, Ed, Fritz
  - CAS Astro-OP E-News Hiatus through Christmas & New Year Holidays. The next issue will be published and distributed within the next three weeks



# Upcoming Activities and Events

- The **Fluvanna Middle School Astronomy Club** meets on **January 13<sup>th</sup> and 27<sup>th</sup> and February 10<sup>th</sup> and 24<sup>th</sup>** - the 2nd and 4th Monday of each month from approximately 3:15 PM to 5:00 PM. Speakers are needed to make presentations at club meetings and telescopes are also needed for solar and/or night sky observations
- CAS plans on having two speakers with 40-minute Astronomy lectures in a classroom environment address two, possibly three classes at **Madison HS on January 16<sup>th</sup> and 17<sup>th</sup> 2014**. One more speaker with an astronomy topic of interest may be needed.
- The **Locust Grove Middle School Astronomy Club** (Orange County) meets on the third Wednesday (**January 22, 2014 and February 19, 2014**) of the month from approximately 2:40 PM to 4:00 PM. Speakers are needed to make presentations at club meetings and telescopes are also needed for daytime solar and/or night sky observations
- The **Greene County Public Library, Stanardsville, VA** is conducting an **Astronomy Night** primarily for **Middle and High School students** (ages 9 through 16 years) and their parents on **February 3, 2014** from approximately **7 PM to 9 PM**. Tom Walsh, a former CAS member, would like to have one or two CAS speakers and then have outdoor night sky observations (weather permitting). Speakers are needed to make presentations and member telescopes are also needed for night sky observations
- The **Blue Ridge School, Dyke, VA** is hosting a **CAS Star Party** on **February 22, 2014**. Jamie Bourland, Science Department Chair, would like to have one or two CAS speakers and member telescopes setup for the Star Party
- ***We welcome any support that you are able to provide ~ contact Steve Layman or Fritz Repich for info***



# CAS Astro-OP Support Needs

- **CAS Astro-OP E-News Editor/Co-Editor**
- **Astro-OP County School System Coordinators (a/o 1/08/13)**
  - Albemarle/Charlottesville: Steve Layman
  - Orange: Ed Preston
  - PVCC: Armand Mottaghi
- **Coordinators Needed:**
  - *Fluvanna:*
  - *Greene:*
  - *Madison:*
- **CAS Speakers & Repertoire of Topics (a/o 1/08/14)**
  - Ed Preston – “Finding Things in the Night Sky” and the “10-Minute Moon”
  - Steve Layman – “Solar System and Night Sky”
  - 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)*
  - *Other Topics ????.(K - 12<sup>th</sup> Grade Audiences)*





# Sun Spot!!!!!!!!!!!!

[http://www.youtube.com/watch?feature=player\\_embedded&v=jugXRYsItCM](http://www.youtube.com/watch?feature=player_embedded&v=jugXRYsItCM)

January 7, 18:15:34 UT



# What's Up This Month

In the Night Sky

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



# Website of the Month

<http://www.swpc.noaa.gov/>



# Door Prize Drawing

