

# Howard Astronomical League



June 18<sup>th</sup>, 2015

# Introductions

We did it!

Thank you everyone!

Howard County Executive Allan H. Kittleman  
Howard County Recreation & Parks Director John R. Byrd  
Howard Astronomical League  
cordially invite you to the ribbon cutting of

# The Howard Astronomical League Observatory at Alpha Ridge Park



**Saturday, June 27, 7:30 p.m.**

11685 Old Frederick Road, Marriottsville

Family activities begin at 7:00 p.m.

Create a craft, see rocks from outer space, and view the sky through various telescopes. Enjoy a model solar system walk from the Sun to Pluto and back. Bring your flashlights to have red filters attached for better night vision. Enjoy telescopic views of the Moon, Jupiter, Venus, and more through the Paul S. Watson Telescope.

Bring lawn chairs and blankets and enjoy an evening under the stars!

**Information: 410-313-4640.**





# Upcoming club activities

# Star Parties and public outreach!

Public Star Party/Grand Opening

June 27 @ 7PM

Members Star Party

July 18

Green Bank Star Quest

if you are here you are missing it

June 17 – 21

Maxon-Dixon Star Party

July 15-19

Did I mention the


Observatory Grand Opening June 27 7PM



**Member's  
astrophotos and  
sketches**

**Mike Krauss**





**Galaxy NGC 253 in Sculptor**

8" f/4 Newtonian Reflector

SBIG 8300 CCD Camera + Coma Corrector

Exposures: Total 81 Min

Luminosity - 9 x 5 min

Red Filter - 10 x 2 min

Green Filter - 5 x 2 min

Blue Filter - 3 x 2 min

October 24-25, 2014 - Staunton River State Park, VA

Gene Handler



***Globular Cluster M3***

Canon 500mm + 1.4x converter (700mm FL)  
modified Canon T5i DSLR @ ISO 800  
56 x 90 secs @ f/5.6 (84 mins total exposure)

***Brad Sheard***

May 15, 2015  
Ellicott City, MD



Open Clusters M35 (center) and NGC 2158 (left) in Gemini

8" f/4 Newtonian Reflector

SBIG 8300 CCD Camera + Coma Corrector

Exposures: Luminosity - 10 x 2 min, Red, Green, Blue - 10 x 30 sec each = 35 min

October 25, 2014 Staunton River State Park, VA

Gene Handler

# The Lagoon Nebula - M8

8" f/4 Newtonian Reflector

SBIG 8300 CCD Camera + Coma Corrector

Exposures: Total 3 hr 58 min

Hydrogen Alpha Filter - 17 x 8 min

Oxygen III Filter - 6 x 8 min

Red Filter - 10 x 2 min

Green Filter - 9 x 2 min

Blue Filter - 8 x 2 min

Summer 2014

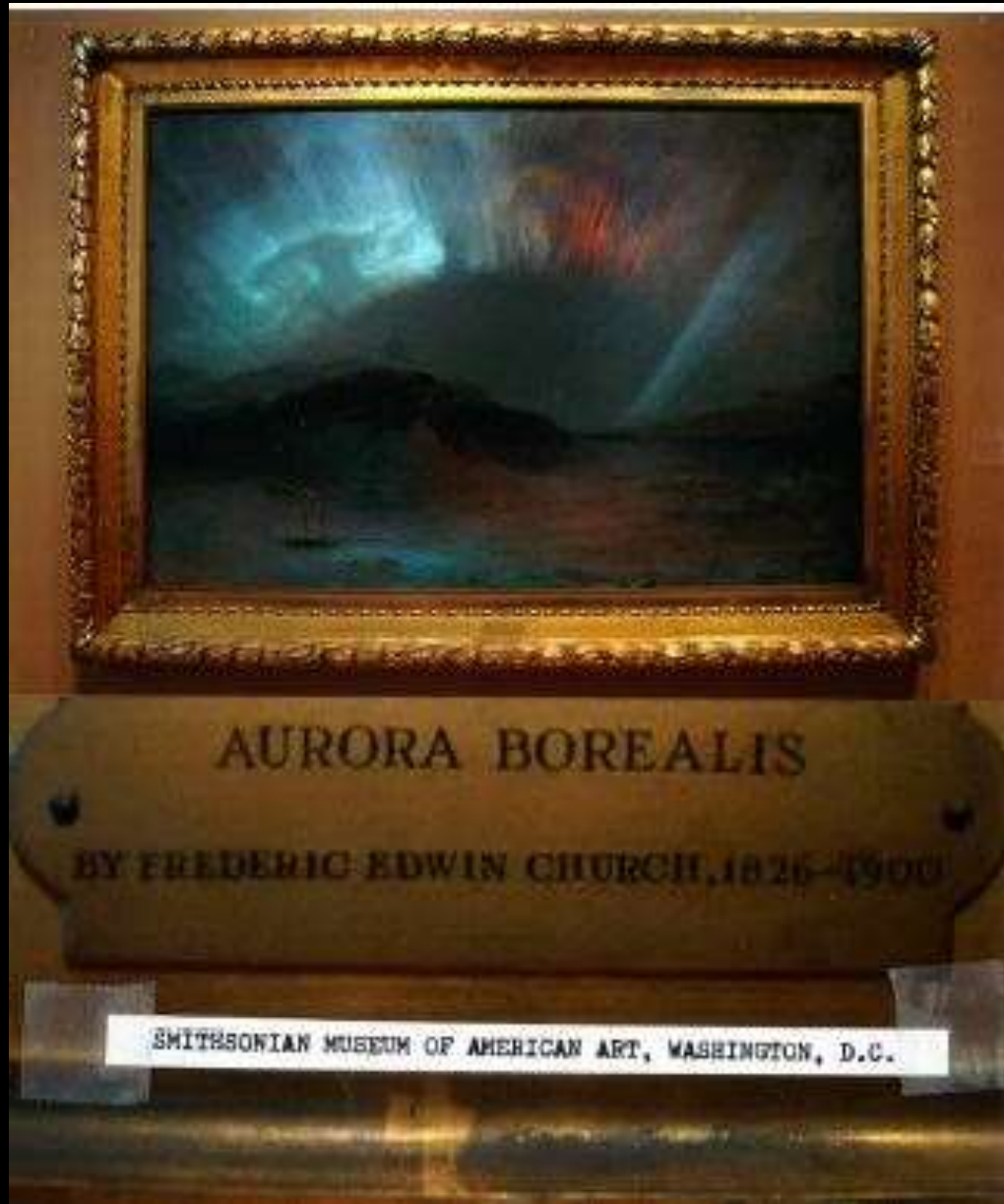
Gene Handler



**Bradley Sheard**



# Herman Heyn



AURORA BOREALIS

BY FREDERIC EDWIN CHURCH, 1826-1900

SMITHSONIAN MUSEUM OF AMERICAN ART, WASHINGTON, D.C.

# Herman Heyn



AURORA OVER BALTIMORE COUNTY  
NOV. 06/2001 2AM

PHOTO BY HERMAN HEYN

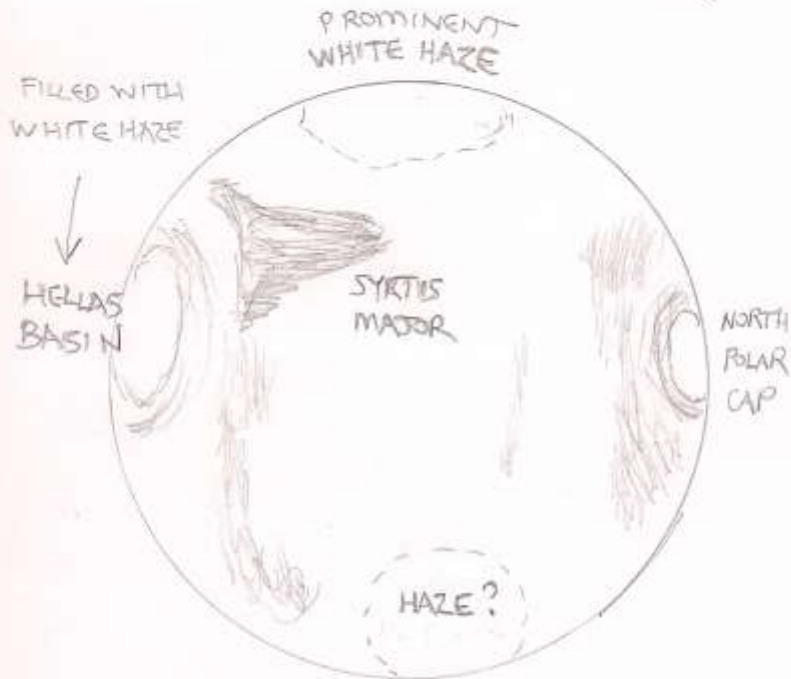
KODAK GOLD 200 f/1.7  
50mm, 15-sec.

Herman Heyn

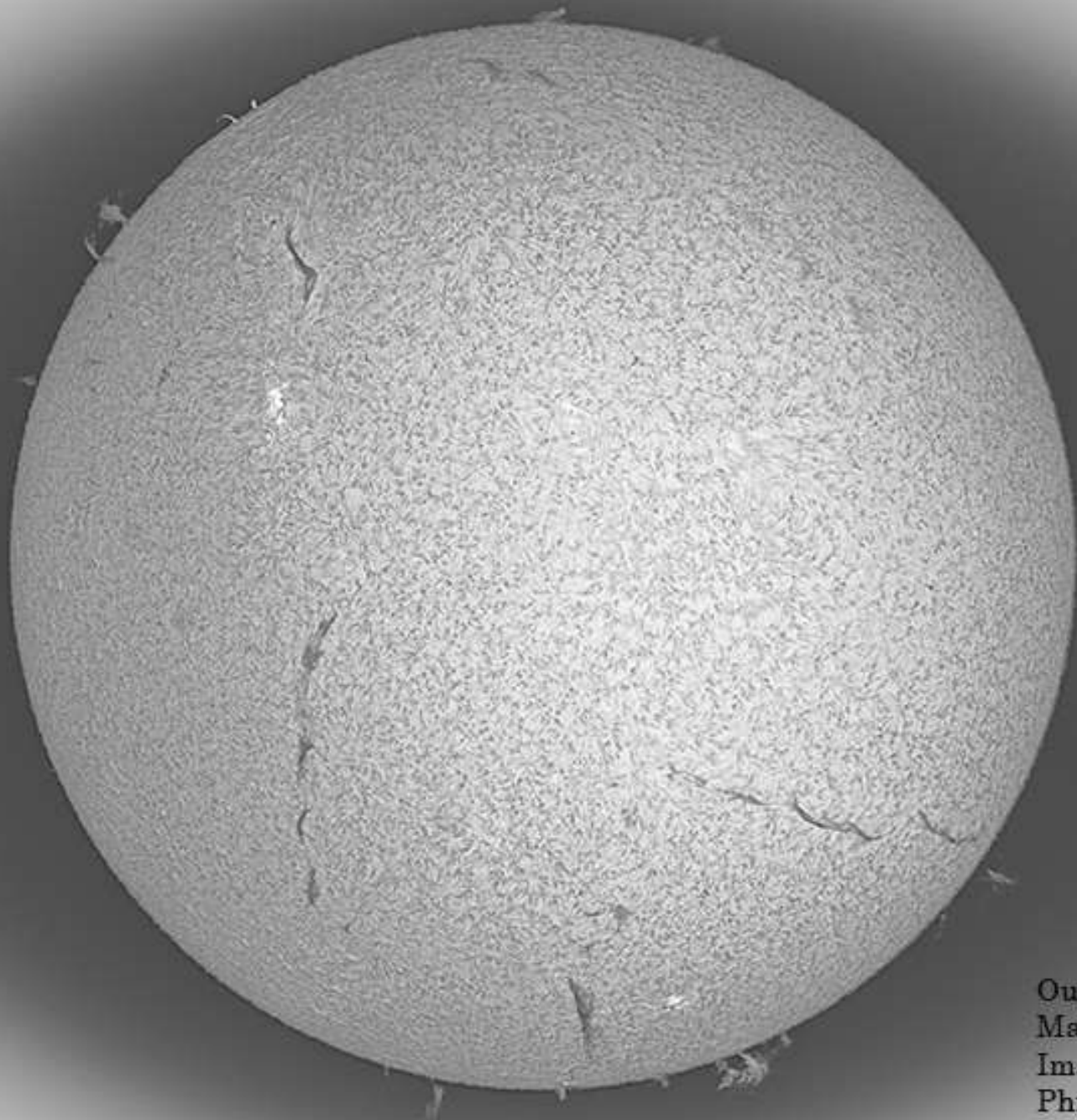


# MARS

90mm STELLARVUE  
REFRACTOR  
3.7mm ETHOS 5X  
TELEVUE MARS  
FILTER



21 APRIL 2014  
8:20 PM LOCAL  
(VIEW IS MIRROR IMAGED)



Our Sun  
May 23rd, 2015  
Image by:  
Phil Whitebloom

**Latest news from  
the observatory...**

# **We have a name!**

**After member submissions and voting we have selected the name for our observatory.**

# **Howard Astronomical League Observatory**



**Thank you!**  
**Mike Pittard**  
for the  
suggesting the  
observatory  
name!



**The official results, with all precincts reporting, are:**

**Howard**

**Astronomical League Observatory (HALO)**

**45 votes**

**(71.4%)**

**Howard Astronomical League Observatory at Alpha Ridge Park (HALO-  
ARP)**

**10**

**votes (15.9%)**

**Howard Astronomical League Observatory at Alpha Ridge  
(HALOAR) 4 votes**

**(6.4%)**

**Howard Astronomical League's Alpha Ridge Center for  
Astronomy**

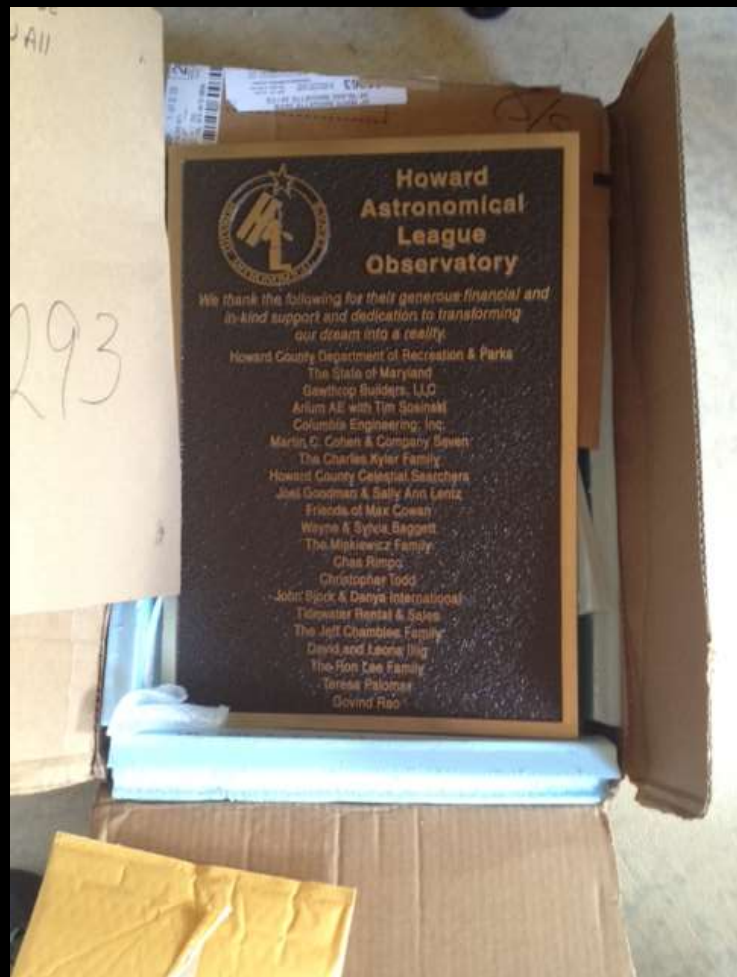
**(HALARCA) 4 votes (6.4%)**

## **Oh yeah we have also:**

- We removed a rock from the conduit.**
- Installed the 50" TV and AV wiring to connect the computer to the camera and displays**
- Installed furniture**
- Began setting up the HAL library**
- Learn more about using the Watson Telescope**
- Garry and Eddie have encased the pier base and finished will be completed soon**







# Bon Voyage Victor Sanchez!



Introducing...

Bill Ellis

Cosmography

**Thank You!**

**Next month's planning meeting is on  
Thursday, July 6 , 2015**

**@ 7:00 PM**

**The general monthly meeting is on July  
16, 2015**

**@7:00 PM**

**Meeting theme:**

**Ernie Wright presents**

**Apollo 8 Earthrise photograph**