

Black Canyon Astronomical Society (BCAS)

Monthly Meeting Minutes

Thursday October 28, 2021

7:05 p.m.

Online BCAS video meeting using ZOOM video conferencing service

Submitted by Sara Ungrodt- co-secretary

Note: **BCAS Business Topics:** Business will not be covered in this video conference.

20 connections and 4 couples- total 24 people.

Minutes Summary: Meeting started at 7:05 pm

President Bryan Cashion opened meeting. Shared Agenda.

Program Topics:

Current astronomy news:

Bob Grossman- Review of status Dark Sky Preserve coalition. Western Slope regional dark sky preserve. Hopes for designation for this time next year. Looking for Board members.

First star party in Norwood tomorrow night at the library.

Val- Colo Chapter IDA Colorado looking for board members for 2 yr. term. And looking for chairperson for 2022. IDA global conference is November 12 and 13. Top of the Pines (TOP) IDA designation- hope to hear in a few weeks. County Commissioners pledged to protect TOP with formal resolution

Bryan shared participating in part of the 4 night promo of TOP - noting how very dark it is.

Presentation:

Topic: Art Trevena: Nov, Dec 2021, and 2022 Highlights.

- * 3 lunar eclipses visible from Colorado
- * Comet- could outshine Haley – 1st 2 weeks of Dec.
- * Several meteor showers- 2 consist of debris from Haley's comet
- * Launch James Webb telescope in Dec.
- * Lots of Galaxies visible
- * Daytime highlights- sunspots, flares coronal mass ejections
Video clip of last 24 hrs- not working
- * Milestones- NASA DART mission- to alter orbit of asteroid via kinetic impact- Launch 23 Nov 2021 – Impact Oct 22 2022
- * Launch James Webb telescope launch- NET Dec.18
- * Vera Rubin Observatory telescope- special wide field of view. Huge camera weighs more than a ton. Engineering first light in 2022, surveys begin in 2023

- * New Rover Exomars- launch to Mars, NET Sep 20, 2022, has drill- arrives June 2023
- * Venus- at max. eastern separation from sun- see it as ½ illuminated

- * November calendar highlights – deep partial lunar eclipse on Nov 18-19.
- * Dec calendar highlights- Antarctic eclipse and others highlights, Geminids, Comet Leonard
- *Jan calendar highlights- Dr. Whiting presentation on Black holes & General Relativity with WCAC
And other events.
- *Feb calendar highlights-Mercury morning elongation, star clusters in Milky Way
- *March calendar- triple conjunction Venus, Saturn Mars March 29 with binos
- *April calendar-Mercury evening elongation, planets lines up
- *May – Eta Aquariid Meteors -debris from Haley’s comet, total eclipse of the Moon on May 15-16, see galaxies
- *June-Solstice, Milky way rising
- *July-Meteor showers end of month
- *August calendar-Mercury evening elongation end month- 3rd time in 2022! Saturn opposition showed rings at different inclinations. 2025 rings will be nearly edge on.
- *Sept- Jupiter opposition, bright Milky Way, Juno mission will be flying by Europa. Jupiter photos-details-solar eclipses on Jupiter-shadows
- *Oct-Orionids-debris from Haley’s comet
- *Nov- 3rd total lunar eclipse
- *Dec- Mars opposition Dec 8, Dec 28 can see 7 planets 5:45 pm. Two require telescope.

Questions??

Phil Virden- asked about viewing times for comet Leonard

Nancy-surprised to hear about Exomars- redundant? Drill is sophisticated.

Any additional questions can send to Art or Bryan.

Bryan:

General info 2022

Any suggestions for Website?

Meeting topic suggestions- Marshal Clark- may give talk on Meteorite Art and Metallurgy

Nominations for officers- List was same as current officers

Any others? Accepting officers as is was voted on and approved (Nancy seconded)

Date of next BCAS meeting with Dr. Whiting is to be decided.

WSS on KVNF has been going for 10 years!!!!!!!!!!!!Incredible! (since 11/4 2011)

Additional programs always needed. Let Art know.

Meeting ended 8:25 pm