

# **Black Canyon Astronomical Society (BCAS)**

Monthly Meeting Minutes

Thursday January 5, 2023

7:00 to 8:30 p.m.

Minutes prepared by Val Szwarc- co-secretary

Note: **BCAS Business Topics:** The only business covered was a treasurer report by Joyce Tanihara, BCAS Treasurer, and she presented a summary for 2022. The club had income of \$1610.00 mostly from dues and a few donations and had expenses of 1162.20 for a net income of 447.80 in 2022. Dues will stay the same in 2023 with only single year memberships offered. Dues in the future may go up due to inflation.

The venue was an online Zoom format and Bryan Cashion hosted the meeting with a total of 25 online logons, 5 of which were couples.

## **Minutes Summary:**

President Bryan Cashion opened the meeting welcoming members and guests for the 2023 new year. The program topic was the annual review of astronomy events in 2023 by Art Trevena, BCAS Vice President.

## **Program Presentation and Summary:**

Some of the interesting Astronomical events discussed are listed below:

- Many meteor showers in 2023 will have peaks during moonless or partially moonless periods.
- The Sun is entering solar cycle 25 with activity so far above prediction so stronger auroras could be visible throughout the year on the northern horizon.
- Rocket Lab/MIT should be launching a spacecraft to Venus.
- Vera Rubin Observatory is expected to bring a new 8.36 meter telescope online with engineering first light planned for July 2023.
- Comet C/2022 E3 ZTF will be closest to Earth in Feb 1 at approximately 0.28 AU.
- Jupiter and Venus are in conjunction and less than 1 degree apart on March 1<sup>st</sup>
- May is a great time for galaxies including M87, M51, M81-82.
- Viewing the Perseid Meteor Shower should be better this year since the moon will not be rising until 1-2 hours after midnight.
- Saturn will be at opposition Aug 27.
- An annular (ring of fire) solar eclipse will be visible Oct 14
- The Geminids will be highly visible Dec 13-14 since the New Moon is on the 12<sup>th</sup>.

Bryan wrapped up the meeting, thanked all that attended, and he adjourned the meeting at approximately 8:30 pm.