

Chagrin Valley Astronomical Society
Meeting Minutes for October 7th 2017
Indian Hill Observatory

Call to order

President Marty Mullet opened the meeting at 7:00 with 15 members present.

Presentation:

CVAS Member, Dr. George Trimble MD, presented an in-depth explanation of eclipse geometry with an aim towards understanding the Saros cycle of eclipse recurrence. He explained that Solar eclipses are really about the moon. Demonstrated the 4 different types of lunar month, each deriving from an attribute of the moon's complex orbit. Clarified how the synodic, anomalistic, and draconic lunar months relate to the lunar sidereal month, and combine in a super- periodicity to form a recurring Saros cycle of over 18 years. Recapitulated the efforts of the ancient Chaldeans (Neo-Babylonians) and how we can discover this periodicity ourselves, using the expedient of Microsoft Excel. He also showed how similar methods can be used to discover the Metonic cycle.

Secretary's Report

September minutes are posted to the website – no changes were suggested.

Treasurer's Report

Steve Fishman reported the following:

Bank Balance	\$ 2,247.85
John Gorka Fund	\$ 600.00
North Observatory Automation Fund	\$ 625.00
Petty Cash	\$ 25.00
Total	\$9,184.85

Expenses for the month

- \$ 67.99 phone bill.
- \$ 67.13 Electric 93 KWH Actual
- \$480.00 Annual Insurance bill

Income

- \$150.00 Andover library. For Gus Saikaly's Solar Eclipse presentation.

Observatory Director

No report.

Observations Director

The Monthly Sky Calendar is on the website. E-mail sent out.

New Business:

No news on RFQ's on the driveway

Officer Nominations:

President - Marty Mullet	Vice President - George Trimble
Secretary - (none)	Treasurer - Steve Fishman
Observatory Dir. - Jim Deasy	Dir of Obs. - Steve Kainec
Editor - Ron Baker	Historian - Dan Rothstein

Nov 18th star party at Geauga Parks Nassau 7:00 to 11:00. Set up at 6:30

Next Monthly meeting:

Nov. 4th. at Geauga Parks Nassau Station starting at 7:30 pm.

CVAS Member Chris Stadler will have a "hands on" demonstration of distances and scale within our solar system as well as interstellar space

Meeting adjourned at 9:25pm