

# Northern Colorado Astronomical Society Meeting Minutes 3/6/25



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## Agenda

### Reports:

Treasurer – Charlie Davis

Outreach – Greg Halac

### Announcements

Natural Areas Volunteers

June 7 Event – Beth Edens

Tonight's Speaker: Emma Lieb – JWST Tracks the Expanding  
Dusty Fingerprints of a Massive Binary

## Attendance

54 in person, 13 online, total 67

## Treasurer's Report

### Balance 3/4/25

\$ 2,968.94	Checking
\$ 2,057.24	CD
\$ 2,057.36	PayPal
\$ 50.00	Checks
\$ 7,649.54	Total

### Expenses

\$ 59.98	PayPal fees
\$600.00	FCMoD Donation
\$160.74	Marketing & Printing

### Income

\$ 1,175.00	Memberships
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## Membership as of 3/4/25

149 members on roster

105 paid 2025 dues

44 have not renewed

## Welcome New Members!

Ken Patterson

Alexei Gaidarzhy

Shelly McCarron

Doug Doughty

Kenneth Dunnington

Leia Owen

Shane EnYart

Alan Nelson

Don Doss

Eric Ebert

Linda Edmondson

**33 Members Renewals as of 2/13/25: 137 members - THANK YOU!**

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## Balance Sheet as of 3/4/25

2025 Northern Astronomical Society Budget						
Income	Each	2025 Budget		2025 Actual		
		No.	Amount	No.	Amount	
Memberships	\$25.00	130	\$ 3,250.00	105	\$ 2,625.00	
Donations			\$ 500.00		\$ 250.00	
<b>Total Income</b>			\$ 3,750.00		\$ 2,875.00	
Expenses	Due	Each	2025 Budget		2025 Actual	
			No.	Amount	Paid	Amount
FoCo Museum of Discovery donation	Feb			\$ 600.00	Y	\$ 600.00
Insurance	Jan			\$ 315.00	Y	\$ 315.00
Member Meetings and refreshments				\$ 480.00		\$ 85.51
International Dark-Sky Association membership	Jan			\$ 100.00	Y	\$ 100.00
State of Colorado filing fee	Jun			\$ 10.00	N	
Astronomical League dues (per member)	Jun	\$ 6.00	130	\$ 780.00	N	
PayPal fees			100	\$ 136.00		\$ 116.19
Outreach & Educational Supplies				\$ 820.00		\$ 84.02
Marketing & Print Material				\$ 500.00		\$ 160.74
<b>Total Expenses</b>				<b>\$ 3,741.00</b>		<b>\$ 1,461.46</b>
<b>Net</b>				<b>\$ 9.00</b>		<b>\$ 1,413.54</b>

## Outreach Report - Greg Halac

Date	LAST MONTH EVENTS	Visitors	Hours	Comments
28-Feb	Rice ES	128	2	Mild, clear night
1-Mar	LCP Horsetooth Mtn	93	3.5	Mild, clear night, big crowd
3-Mar	FCMoD: Solar	24	1	Beat the clouds for Sun views
3-Mar	Boy Scouts Astro-Talk	63	1.5	Skygazing canceled
4-Mar	Poudre Learning Ctr	21	1	Windy, but good seeing

Date	CANCELLATIONS	Visitors
15-Feb	X Stargazer Observatory: Snow	0

Date	UPCOMING EVENTS	Start	Comments
7-Mar	Cache La Poudre ES	6:30p	Forecast iffy
7-Mar	FRCC Observatory	7p	Forecast iffy
8-Mar	FCNA Fossil Creek Res	7p	Clearing?
13-Mar	LCP Horsetooth Mtn Lunar Eclipse	10:30p	Totality 0:26 - 1:31
15-Mar	Lvld Library: Solar	12n	
15-Mar	Stargazer Observatory	8p	
2-Apr	Poudre Learning Ctr	8p	

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## **Lunar Eclipse 13 – 14 March**

We are holding special skygazing event at Horsetooth Mountain Open Space. Totality starts at 12:26 AM on the 14th and ends at 1:31 AM.

- You must enter HTMOS before the gates lock at 11 PM on March 13.
- We will have 1+ hour of dark skies during totality to enjoy early-summer Deep Sky Objects
- Few eclipses in the near future enable us to observe the entire umbral phase.
- If you can't attend the event, try to go outside and check out the eclipsed moon with binoculars
- If weather forecasts look poor, cancellation notice will be posted NLT 5p on 3/13

## **Messier Marathons**

Messier Marathon is around the Spring Equinox ... new Moon is 3/29

- With a clear horizon, it is possible to observe all Messier objects in 1 night.
- Several are very low in the sky during evening or morning twilight.
- Impressive observing feat, but does not give "good" views of the low objects.
- Lists are available online, including the optimal observing order during the hectic twilight targets.

## **Announcements**

- Warm Welcome to the Fort Collins Natural Areas Volunteers joining us tonight!
- June 7 – Astronomy Day Extravaganza – Beth Edens

## **Astronomy Day Event – June 7**

*A STEM/STEAM program for families and kids of all ages!*

Day program at Front Range Community College

Science demonstrations – physics and light

Space-based arts and crafts for kids

Hands-on learning about telescopes and how they work

Learn how to observe the night sky from your backyard

Solar observing (weather permitting)

*Special evening program with Dr. Fran Bagenal*

*Exploring the Outer Solar System*

Otterbox Dome at Fort Collins Museum of Discovery

## **Upcoming Speakers - Carla Johns**

### **March:**

Emma Lieb, University of Denver Doctoral Student - JWST Tracks the Expanding Dusty Fingerprints of a Massive Binary

### **April:**

Dr. Ryan French, CU Boulder - The Sun

### **May:**

Michael (Mike) Carol, Author & Illustrator - The Earth – Past, Present and Future

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## **Speaker**

Emma Lieb - JWST Tracks the Expanding Dusty Fingerprints of a Massive Binary

Emma Lieb is a third-year PhD candidate and a NASA FINESST recipient at the University of Denver. She works with Dr. Jennifer Hoffman to study the dust formation processes and colliding wind structures in carbon-rich Wolf-Rayet binary star systems.