



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

December 2022

ACA MEETING - Sunday, January 15th, 2023 at 2:00 PM

President's Column

By Cathy Loboda

Best Wishes

Your ACA Board sends you and your loved ones best wishes for the Holidays! We hope you take time to relax and spend precious time with family and friends during this holiday season.

Next ACA Monthly Meeting Scheduled for January 15, 2023

ACA's next membership meeting is Sunday, January 15th at 2:00 pm. The meeting location is the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive,

Akron. Speaker Phil Creed will present "Twice as Nice- The 2023 and 2024 American Solar Eclipse." Looking forward to seeing you on the 15th!

New Members

ACA extends a warm welcome to the following new members:

- Jordan French
- Wrenn Nicodemo Family
- Michael Siry

ACA thank you for your membership and interest in our club! We look forward to seeing you at future club events!

OFFICERS 2022 — 2024

President: Cathy Loboda

- E-mail: president@acaoh.org

Vice President: Gary Smith

- E-mail: vice.president@acaoh.org

Treasurer: Dave Hartsook

- E-mail: treasurer@acaoh.org

Secretary: Marnie Sanders

- E-mail: secretary@acaoh.org

Assistant Secretary/Treasurer: Reece Davis

- E-mail: secretarytreasurer@acaoh.org

Observatory Director: Ron Kalinoski

- E-mail: observatory.director@acaoh.org

ACA Webmaster: Jeff Hudson

- E-mail: webmaster@acaoh.org

Publications Secretary: Glenn R. Cameron

- E-mail: newsletter.editor@acaoh.org

Trustee: Mike Sanders

- E-mail:

Trustee: position vacant

- E-mail:

Trustee: position vacant

- E-mail:

Statutory Agent: Mark Kochheiser

- E-mail: statutoryagent@acaoh.org

OTAA Representative: Lou Poda

- E-mail:



ACA Minutes For Membership Meeting, 2 PM, November 20th, 2022

By Marnie Sanders

Glenn Cameron presented a program on Asteroid Hunting and Astrometry together with his "quick" telescope roll-out and wireless remote control process that he utilizes with his personal equipment. Q & A followed. Thanks Glenn!

The business meeting called to order at 3:10 PM

The agenda items were discussed as follows:

Vice President's report

- Additional assistance with speakers arrangements successful with January and February dates filled. Continued assistance will yield full calendar soon.

Secretary's Report

- October minutes were published to Night Sky Newsletter on the ACA website.

Treasurer's Report

- October financial report was published to Night Sky Newsletter on ACA website.

Old Business

- Members enjoyed the social at the Galaxy restaurant-delicious as usual!
- Honorary Membership for Dave Jessie was deferred due to a personal event and Dave Hartsook presented to him in his home. A picture with details is planned for the next Night Sky Newsletter.
- Speakers for January and February are confirmed: other speakers in progress.

New Business

- Glenn Cameron will provide refreshments for January 2023 meeting.
- Social events for 2023 will be further explored and communicated later.
- Advertising future presentations will be further explored/decided for 2023.
- Guest Night Sky Newsletter contributors solicited: contact Glenn Cameron asap with submissions for "special edition" December Newsletter (if enough interest).
- Two trustees still needed: contact Cathy Loboda.

Observatory Director's report

- Mars opposition is upcoming in December-closest since 2018 Call for Observations.

Calls for Observations

- Gary, Stuart, and Ron contributed: a) the upcoming "parade" of Saturn, Jupiter, and Mars with Mars @3rd brightest object in the sky until Dec 6; b) the SLS and Artemis Launch Spectacular this week.

Member Inquiries

- None

Additional Items

- 2023 Honorary Membership award to be discussed at next Board Meeting
- ACA screen installation delay issue: Marnie will contact Dana asap and resolve.

Meeting adjourned at 3:50 PM

Respectfully submitted



Observatory Report

By Ron Kalinoski

On October 29th, ACA held a solar party featuring instruments viewing the Sun in white light and radio frequencies. Dave Hartsook operated our 5-inch refractor that was fitted with a Baader Herschel wedge and Continuum Filter. Jim Watson



set up his radio telescope to observe the Sun at 11.2GHz and recorded the signal on a strip chart recorder for viewing. Glenn Cameron set up his a



refractor fitted with a Herschel wedge and video camera to display the Sun on a video monitor. The sky conditions were excellent with no cloud and relatively low humidity. That evening we had a star party and viewed Jupiter, Saturn, and many star clusters.

ACA has received requests from Boy Scout Troop 777 and American Heritage Girls Troop OH 1225 to help them achieve their astronomy merit badges. We are currently planning to assist these groups. If

you are interested in helping, please send me an e-mail.



Editor: Ron also sent these November 2022 moon photos from before and during the total lunar eclipse.



NOVEMBER 7TH, 2022 7:02 PM



NOVEMBER 8TH, 2022 5:11 AM

November 2022 ACA Treasurer's Report
By Dave Hartsook
12/2/2022

Checking Beginning Balance	\$1,948.91
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Income

Membership Dues Received (2 Adult)	\$60.00
Charitable Contribution Received	\$50.00

Total Income	\$110.00
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Expenses

Reimburse member for materials for threading pipe on 5" refractor pier extension	-\$9.51
Reimburse Statutory Agent for Ohio Statement of Continued Existence fee	-\$25.00
Reimburse Publication Secretary for Annual ACA Zoom Subscription	-\$159.64
Speaker Honorarium for presentation at November 2022 ACA Meeting	-\$50.00
Paypal net fee	-\$1.43

Total Expenses	-\$245.58
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Income Less Expenses	-\$135.58
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Checking Ending Balance	\$1,813.33
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Savings Beginning Balance	\$3,768.59
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Interest Income	\$0.04
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Savings Ending Balance	\$3,768.63
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Petty Cash Beginning Balance	\$50.00
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No Activity

Petty Cash Ending Balance	\$50.00
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Grand Total	\$5,631.96
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Dave Jessie is Honored

By Cathy Loboda

Longtime ACA member Dave Jessie was awarded Honorary Lifetime Membership in November.

Dave has served the Astronomy Club of Akron in various capacities throughout the years.

In the late 1990s, Dave served as Night Sky editor and was a member of the Light Pollution Committee. He took on the position of Trustee from 2002-2004 until elected as president in 2004. After his presidential term ended in 2007, Dave took a break until taking on another presidential term in 2010. Finally, Dave became ACA Webmaster in 2011 and served in that capacity until recently in 2022.



Congratulations, Dave! ACA is grateful for all you have done through the years. It is our privilege to acknowledge your dedication by awarding you Honorary Membership.



Swap-n-Shop

Freddy Huffman

Phone: 330-535-8009

Email: trusstube2@gmail.com

- 8" Dobsonian
- 8" SCT
- 6" SCT
- 6" Refractor
- 5" Refractor
- 100 mm Binoculars
- EQ Mount w/ dual axis tracking
- iOptron SkyTracker and tripod

Call to set up appointment to see if you are interested.

Thank you,



Blast From Decembers Past

By Glenn R. Cameron

On December 21st, 1968, at 7:51 AM EST, Apollo 8 launched from Kennedy Space Center Launch Complex 39A in Merritt Island, Florida.

My family lived in Miami, Florida and we made the 230 mile drive north to watch 3 launches in the late '60s and early '70s. We saw 2 launches and missed 1 due to a technical delay.

I don't remember what 2 launches we watched. I can't ask my late father and my mother doesn't remember. I am pretty sure that one of the launches was Apollo 8.

The 3rd launch that skunked us was a night launch. After a little internet research I realize it had to be Apollo 17. We drove back home, disappointed. But it launched later that same night at 12:33 AM on December 7th, 1972. My mom and I went out to the front lawn and saw the flaming path painted by the Saturn V's stage 1 engines. It was incredibly exciting!



<https://youtu.be/pbMEKKrfR24>

As I said earlier, one of the other 2 launches I witnessed might have seen Apollo 8. I'll probably never know for sure. But if it was, I must have been standing next to my grandfather who filmed it with his 8mm movie camera. I archived all the family movies to digital a few years ago and the YouTube link below is an excerpt of 1 movie that records the Apollo 8 launch.

It was a great treasure to me to find this in the family archives. I hope you all enjoy it as much as I do.

Upcoming ACA Meeting Speakers

By Marnie Sanders

Our Sunday afternoon 2 PM club meetings at the Portage Lakes Kiwanis Hall, 725 Portage Lakes Drive in Akron, are perfect for your entertainment (and education) on these grey winter days! Enjoy refreshments and the best free coffee (or some cold drinks) in Akron too! Bring family and friends! The programs are about one hour, followed by a brief business meeting.

I also want to briefly introduce the February and March speakers and will more fully describe them in the January newsletter.

January 15th, 2023

- ACA is excited to host Phillip Creed as our program speaker. Phil has a longtime association with the Northeast Ohio Astronomy groups; and we have welcomed him to our club previously. He specializes in Astrophotography and will bring us some great photos! Come and enjoy his presentation "Twice as Nice--the 2023 and 2024 American Solar Eclipses". Thanks Phil!

February 19th, 2023

- Gary Kader, Director of Burrell Observatory at Baldwin Wallace will be presenting, "Seeing Double: Observing double stars for fun and science"

March 19th, 2023

- Jay Reynolds, Cleveland State University, will be presenting, "The Science of Climate Change"

April 30th, 2023

- Jody and Roy McCullough will be presenting a topic to be determined. See next month's newsletter for details.



December Astronomical Events

Date	EST (h:m)	Event
01	21:52	Jupiter 2.5°N of Moon
05	09:39	Moon at Ascending Node
06	16:26	Pleiades 2.7°N of Moon
08	01:08	FULL MOON
08	01:21	Mars 0.5°S of Moon: Occn.
08	01:00	Mars at Opposition
11	04:06	Pollux 1.8°N of Moon
11	21:30	Moon at Apogee: 405869 km
14	10:00	Geminid Meteor Shower
16	05:56	LAST QUARTER MOON
18	10:37	Spica 4.1°S of Moon
19	22:36	Moon at Descending Node
21	12:00	Mercury at Grtst Elong: 20.1°E
21	18:48	Winter Solstice
21	19:43	Antares 2.3°S of Moon
22	18:00	Ursid Meteor Shower
23	07:17	NEW MOON
24	05:32	Moon at Perigee: 358270 km
24	08:29	Venus 3.5°N of Moon
24	15:31	Mercury 3.8°N of Moon
26	13:11	Saturn 4.0°N of Moon
29	04:00	Mercury 1.4°N of Venus
29	07:29	Jupiter 2.3°N of Moon
29	22:21	FIRST QUARTER MOON



January Astronomical Events

Date	EST (h:m)	Event
01	15:25	Moon at Ascending Node
02	20:00	Mercury at Perihelion
03	01:24	Pleiades 2.6°N of Moon
03	19:35	Mars 0.5°N of Moon: Occn.
04	03:00	Quadrantid Meteor Shower
04	16:00	Earth at Perihelion: 0.98329 AU
06	23:08	FULL MOON
07	13:00	Mercury at Inferior Conj
07	13:40	Pollux 1.9°N of Moon
08	09:19	Moon at Apogee: 406459 km
14	21:59	Spica 3.9°S of Moon
15	02:10	LAST QUARTER MOON
16	06:32	Moon at Descending Node
18	09:32	Antares 2.1°S of Moon
20	12:00	Jupiter at Perihelion: 4.95101 AU
21	20:53	NEW MOON
21	20:58	Moon at Perigee: 356570 km
22	22:00	Venus 0.3°S of Saturn
23	07:22	Saturn 3.8°N of Moon
23	08:20	Venus 3.5°N of Moon
26	02:00	Jupiter 1.8°N of Moon
28	15:19	FIRST QUARTER MOON
28	16:05	Moon at Ascending Node
30	06:00	Mercury at Grtst Elong: 25.0°W
30	07:21	Pleiades 2.4°N of Moon
31	04:24	Mars 0.1°N of Moon: Occn.



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c/o Glenn R. Cameron, Editor