



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 47 Number 6

June/July 2025

ACA MEETING - Sunday, September 21st, 2025 at 2:00 p.m.

President's Column

By Cathy Loboda

Mark Your Calendars

The ACA Annual Members' Summer Picnic is scheduled for Sunday, August 17th at 2:00 p.m. The event will be held at the Walker Pavilion of Olde Portage Lakes State Park, 4357 State Park Drive, Akron. Please RSVP the number attending and note the food item you intend to share (for approximately 12 people) to President Cathy Loboda at cnloboda@aol.com. The word is out that Mike Sanders is cooking up his famous baked beans for the picnic. What is your favorite dish to share? ACA will provide burgers, dogs, buns, condiments, water, and paper products. Last year's picnic was enjoyed by all in attendance. As I always say, "Good friends + good food=good times!" Hope to see you there!

ACA Membership Meetings

ACA membership meetings will resume after a summer hiatus. The next meeting is scheduled for 2:00 p.m. on Sunday, September 21 at Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Jeffrey Woytach of Space Systems Consulting, LLC will present "OSIRIS-Rex and DART Missions." The presentation will cover two NASA missions. OSIRIS-Rex endeavors to return an asteroid sample to earth and DART investigates the

possibility of asteroid deflection by kinetic impactor. Woytach will explain the execution and success of each mission.

Membership Renewals

Just a gentle reminder that membership fees are due for the upcoming year on or before the September 21st membership meeting. If you would like to take this off of your "to do" list, feel free to mail your dues to treasurer Dave Hartsook. Dave's address and ACA's membership information can be found on the final page of this newsletter. Membership pays for observatory maintenance and insurance, telescope maintenance and accessories, speakers' gratuity, membership picnic entrees, pavilion fees, and any costs incurred in support of our outreach programs. Your membership is needed and much appreciated!

Star Parties

Observatory Director Ron Kalinoski continues to do a fantastic job of offering ACA members and the public multiple opportunities to view our night skies and the sun through star parties and solar viewing events. Keep an eye on your email account and the ACA website for upcoming scheduled observatory events. Of course these events can only take place as weather permits; so, please always check event status on the ACA website before leaving for the observatory.

The Astronomy Club of Akron Welcomes New Members

C. Diwakar, Ben Stanley, and Jen Dobos

We look forward to seeing you in future club events.

OFFICERS 2024 — 2026

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: Carol Spears

- E-mail: secretary@acaoh.org

Assistant Secretary/Treasurer:

- E-mail: secretarytreasurer@acaoh.org

Observatory Director: Ron Kalinoski

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

ACA Webmaster: Earl Rodd

- E-mail: webmaster@acaoh.org

Publications Secretary: Glenn R. Cameron

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

Trustee:

- E-mail:

Trustee: position vacant

- E-mail:

Trustee: position vacant

- E-mail:

Statutory Agent: Mark Kochheiser

- E-mail: statutoryagent@acaoh.org

New meeting videos now available on YouTube.

By Glenn R. Cameron

2025-04-27 ACA Public Meeting Speaker Dr. Cyrus Taylor

Dr. Cyrus Taylor was our guest speaker for the April 27th, 2025 ACA monthly meeting. He is the Albert A. Michelson Professor in Physics at Case Western Reserve University.

<https://physics.case.edu/faculty/cyrus-taylor/>

His talk was titled, "The Standard Model of Particle Physics: Theory and Experiment". Let's just say, minds were blown. Great talk from a great speaker!

<https://youtu.be/lrD74fnejWY>

2025-05-18 ACA Public Meeting Speaker Dr. Gary Kader on The Cosmic Distance Ladder

On May 18th, 2025, it was our pleasure to welcome again as a guest speaker, Gary Kader of Baldwin Wallace University. Gary is the Director of the university's Burrell Observatory as well as a teacher of astronomy and engineering. He is also a past executive of the Cleveland Astronomical Society and the Cuyahoga Astronomical Association. His talk was titled, The Cosmic Distance Ladder. This was a fascinating talk about the history of determining the distances to the planets and the stars.

https://youtu.be/lpt6A_iaiZQ



Meeting Minutes: May 18th, 2025

By Secretary Carol Spears

Meeting called to order by President Cathy Loboda: 3:08 p.m.

Officers' Reports:

Vice President Report by Gary Smith: No report

Secretary Report by Carol Spears: Secretary minutes are presented to members via the Night Sky Newsletter. There were no additions or corrections.

Treasurer Report by Dave Hartsook: Treasurer reports are presented to members via the Night Sky Newsletter. There were no additions or corrections.

Old Business: Date for the members of the Astronomy Club of Akron's summer picnic is Sunday, August 17 at the same location as in 2024, the Olde Portage Lakes State Park, Walker Pavilion. Members and their families are welcome, please bring something to share. Grilled hamburgers and hot dogs will be provided by the club.

There was discussion as to whether the ACA should join the Astronomical League. There were not enough members interested to join as a club. People who are interested may join as an individual. Please see the note below under New Business for more on this topic.

New Business: Cathy will contact the Richland Astronomy Club group to explore whether the ACA would join as a club, in order to have the

benefits of being in the Astronomical League through their membership,

Summer hiatus begins for the monthly public meetings. A reminder was given that membership renewals are due in September. Send membership dues to Dave Hartsook, please refer to the ACA website for details.

Observatory Director Report by Ron Kalinoski: Working on getting speakers for the Fall. The speaker who had been scheduled for the day that the club cancelled the monthly meeting due to weather driving conditions will be rescheduled.

Reviewed the roof roll off area that needs maintenance, decision to work on only one section at a time in order to not interfere with star parties. Gary will purchase wood for the maintenance. Could be Fall prior to the work to begin.

Solar parties will start soon with students being out of school. We are currently in a cycle of many solar flares and sunspot groups.

Member Observations: Observing Venus in the day, low humidity allows the blueness of the sky to make a nice contrast to being able to see Venus in the daytime.

Member Inquiry: Article about a possibility of being able to view the aurora borealis locally, but the rating was low.

Meeting Refreshments: Glenn R. Cameron

Meeting adjourned by Cathy Loboda: 3:24pm

Book Plug

By Earl Rodd

Gary Kader, in his May 2025 lecture on the "The Distance Ladder" mentioned a book, "The Glass Universe" which included the story of one of the female "computers" at the Harvard Observatory whose discovery of the relationship of Cepheid variable period to brightness was instrumental in figuring out stellar distances. I bought the Kindle version and read it all. The book, by Dava Sobel, is well written and a thrilling story of the history of stellar astronomy. In the book, we get to know

many truly amazing people, learn about their methods, their discoveries, and the legacy of their work that lives to this day. The stories of the many ladies at the observatory show us a group of very smart, hard-working, people who loved astronomy. The number of "firsts" among them is endless. Just the stories of the heiresses instrumental to the early funding are worth the effort to read the book. The half million glass photographic plates stored at Harvard are still used (as of the 2016 writing, about a quarter of them had been properly cleaned and digitized) today. No modern instrument can tell an astronomer what a star looked like in 1890.

May 2025 ACA Treasurer's Report
By Dave Hartsook
6/2/2025

Checking Beginning Balance	\$ 1,300.43
-----------------------------------	--------------------

Income

Membership Dues	\$ 130.00
Donations	\$ 170.00
Paypal fee calc overage	\$ 0.20

Total Income	\$ 300.20
---------------------	------------------

Expenses

Speaker Honorarium- April 2025 ACA Meeting	\$ (50.00)
Speaker Honorarium- May 2025 ACA Meeting	\$ (50.00)
Reimburse Secretary for 2025 ACA Picnic Walker Pavilion Rental Prepayment	\$ (51.50)
Reimburse former Webmaster for annual ACA website domain name renewal	\$ (23.17)

Total Expenses	\$ (174.67)
-----------------------	--------------------

Income Less Expenses and Transfers	\$ 125.53
---	------------------

Checking Ending Balance	\$ 1,425.96
--------------------------------	--------------------

Savings Beginning Balance	\$ 1,769.23
----------------------------------	--------------------

Interest Income	\$ 0.02
-----------------	---------

Savings Ending Balance	\$ 1,769.25
-------------------------------	--------------------

Petty Cash Beginning Balance	\$ 50.00
-------------------------------------	-----------------

No Activity

Petty Cash Ending Balance	\$ 50.00
----------------------------------	-----------------

Grand Total	\$ 3,245.21
--------------------	--------------------

**June 2025 ACA Treasurer's Report
By Dave Hartsook
7/3/2025**

Checking Beginning Balance		\$ 1,425.96
Income		
Membership Dues		\$ 45.00
Total Income		\$ 45.00
Expenses		
None		\$ -
Total Expenses		\$ -
Income Less Expenses and Transfers		\$ 45.00
Checking Ending Balance		\$ 1,470.96
Savings Beginning Balance		\$ 1,769.25
Interest Income		\$ 0.01
Savings Ending Balance		\$ 1,769.26
Petty Cash Beginning Balance		\$ 50.00
No Activity		
Petty Cash Ending Balance		\$ 50.00
Grand Total		\$ 3,290.22

July Astronomical Events

Date	GMT (h:m)	Event
02	14:30	FIRST QUARTER MOON
03	16:00	Earth at Aphelion: 1.01664 AU
03	16:39	Spica 0.8°N of Moon
03	23:00	Mercury at Grtst Elong: 25.9°E
04	21:29	Moon at Apogee: 404627 km
07	12:37	Antares 0.4°N of Moon
10	15:37	FULL MOON
13	03:32	Venus 3.1°N of Aldebaran
14	08:00	Mercury at Aphelion
15	05:42	Moon at Ascending Node
16	05:19	Saturn 3.8°S of Moon
17	19:38	LAST QUARTER MOON
20	05:27	Pleiades 0.7°S of Moon
20	08:52	Moon at Perigee: 368047 km
22	23:20	Jupiter 4.9°S of Moon
24	14:11	NEW MOON
26	14:44	Regulus 1.4°S of Moon
27	23:00	Delta-Aquarid Meteor Shower
28	03:30	Moon at Descending Node
28	14:45	Mars 1.3°N of Moon
31	00:45	Spica 1.0°N of Moon
31	19:00	Mercury at Inferior Conj



August Astronomical Events

Date	GMT (h:m)	Event
01	07:41	FIRST QUARTER MOON
01	15:37	Moon at Apogee: 404164 km
03	20:40	Antares 0.6°N of Moon
09	02:55	FULL MOON
11	09:53	Moon at Ascending Node
12	02:00	Venus 0.9°S of Jupiter
12	10:05	Saturn 4.0°S of Moon
12	15:00	Perseid Meteor Shower
14	13:01	Moon at Perigee: 369287 km
16	00:12	LAST QUARTER MOON
16	11:09	Pleiades 0.9°S of Moon
19	05:00	Mercury at Grtst Elong: 18.6°W
19	16:05	Jupiter 4.8°S of Moon
20	07:07	Pollux 2.4°N of Moon
21	11:14	Mercury 3.7°S of Moon
23	01:06	NEW MOON
24	10:41	Moon at Descending Node
26	11:41	Mars 2.8°N of Moon
27	07:00	Mercury at Perihelion
27	08:57	Spica 1.1°N of Moon
29	10:34	Moon at Apogee: 404552 km
31	01:25	FIRST QUARTER MOON
31	04:55	Antares 0.7°N of Moon



Sky Event Almanacs Courtesy of Fred Espenak, www.AstroPixels.com

Swap-n-Shop

Glenn Cameron

Email: glenn@cameronclan.org

- I bought this iOptron Precision AZ/EQ Base to use with my Seestar S50 smart telescope in EQ mode. It worked great. I've since sold my S50 though and I don't need this any more. (Apertura 4" dovetail pictured is not included.) Price is \$190



- Astro-Tech AT60ED 60mm F6 ED Doublet. Contains one FPL53 lens by Ohara in Japan which minimizes chromatic aberration. Price is \$325



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,

Freddy



Swap-n-Shop

Nick Mihiylov

Meade 12" LX200 ACF w/ UHTC optical coatings

Purchased new November 2010 and sent directly to Dr. Clay Sherrod for Super Charging – works great – GOTO's are right on.

Included:

- Meade 12" Dust Cap
- Star Lite Feather Touch® Rotatable 2.0" Diameter Dual Speed 1.5" Draw Tube Travel, Brake, and Compression Ring
- ADM MDS – OTA Counter Weight (1 only not 2 as shown in pictures)
- ADM MDS - extra Dovetail Bar w/curved Radius Blocks
- Televue Everbrite Satin 2" diagonal, w/ insert for 1.25" eyepieces
- Meade 26mm Plossl
- Astro-Zap 12" Dew Shield (Black)
- Astro-Zap Dew Shield Cap
- JMI Wheeley Bars Large Universal Size w/Battery Pack Holder Tray
- Cen-Tech 3in1 Portable Power Pack with Power Cord

All in VERY GOOD condition – complete set-up, all you need are eyepieces.

Price: \$2,250

Contact: Nick Mihiylov

Phone: (330)760-0746

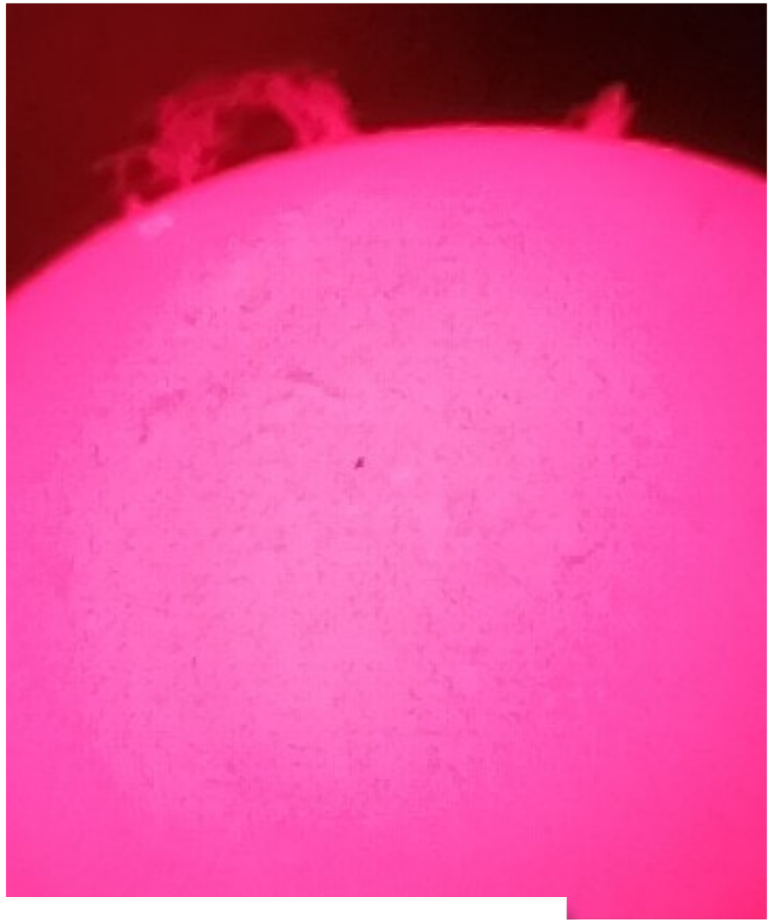
Email: nmihylov@aol.com



ACA Member Photos

By Ron Kalinoski

7/2/2025 ACA
Observatory - Solar
star party -
“Dinosaur”
prominence



ACA Member Photos, continued

By Ron Kalinoski



7/2/2025 ACA
Observatory -
Solar star party -
Maddie at the
club telescope

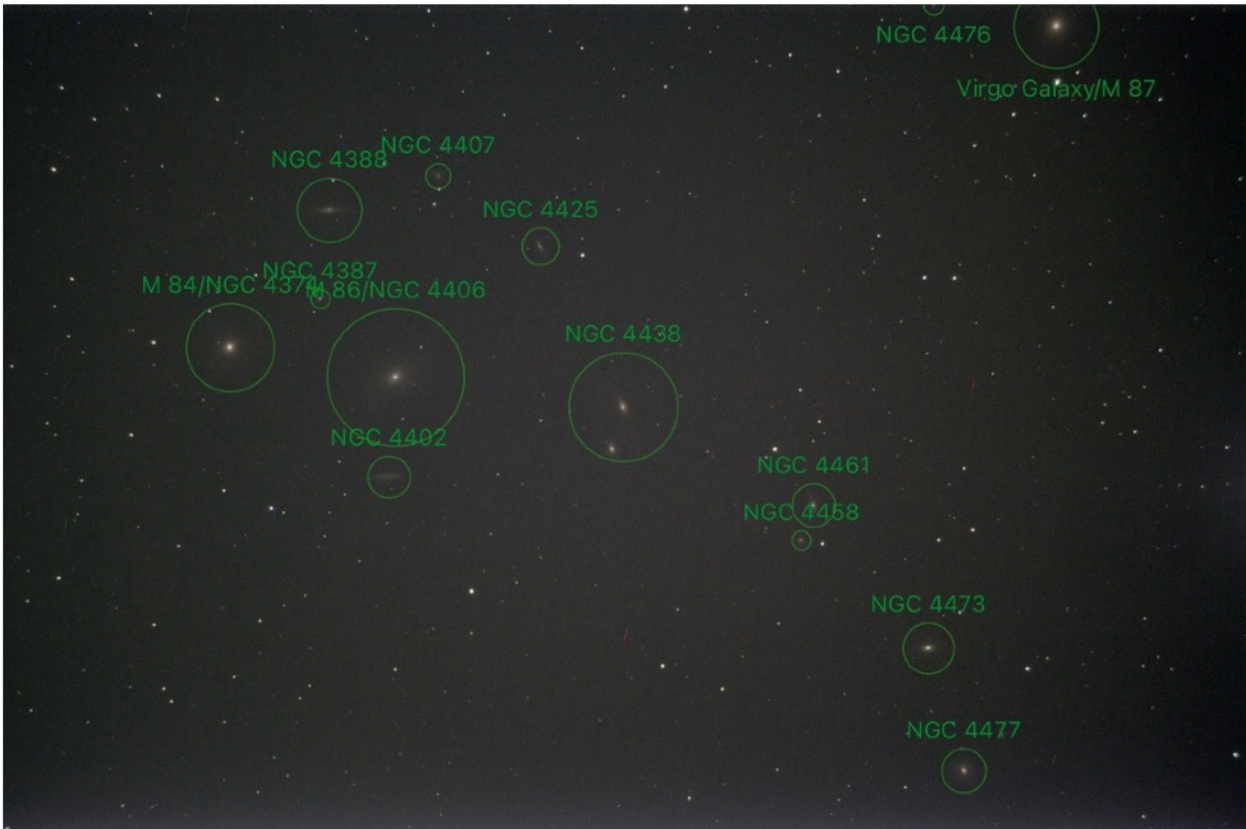


7/2/2025 ACA
Observatory - Solar
star party - Niladri at
the club telescope

ACA Member Photos, continued

By Glenn R. Cameron

11/17/2024
North Canton
- Best picture
of Costco,
ever!



5/31/2025 ACA Observatory - 14 galaxies in one shot!

The Night Sky

Newsletter of the Astronomy Club of Akron

c/o Glenn R. Cameron, Editor

The Astronomy Club of Akron

c/o Dave Hartsook

4174 Meadow Wood Lane

Uniontown, OH 44685-7717

Yes! I want to become a member of the Astronomy Club of Akron

Check one: ☐ New Membership

☐ Renewal

www.acaoh.org

(PLEASE PRINT)

Name: _____ Phone: _____

Address: _____

City: _____ State: _____ Zip: _____

Email Address: _____

Astronomy Club of Akron annual memberships renew in the month of September.

Initial dues for New Members are prorated. If joining in Sep-Nov, pay full amount below; Dec-Feb pay 75%; Mar-May pay 50%; Jun-Aug pay 25%

Adult (ages 18 and older) ☐ \$30.00

Additional Adult Member ☐ \$15.00

Junior (ages 12 to 17) ☐ \$15.00

Family Membership ☐ \$40.00

Visit us on the Web at www.acaoh.org