



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 47 Number 10

November 2025

ACA MEETING - Sunday, November 16th, 2025 at 2:00 p.m.

President's Column

By Cathy Loboda

Upcoming ACA Meeting

The next ACA meeting is scheduled for Sunday, November 16, 2025, at 2:00pm. Dr. Robert Harmon from Ohio Wesleyan University will present Solar Physics and Starspots. Dr. Harmon is a theoretical physicist and observational astronomer who uses the Ohio Wesleyan University Perkins Observatory telescope to conduct his research on starspots. Dr. Harmon's talk will cover some of his research and the mechanisms of solar physics. This is the final meeting of 2025. ACA will resume membership meetings on January 18, 2026 after our December break for the holidays. All ACA meetings are held at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Hope to see you for our November meeting!

Star Parties

Star Parties will continue to be scheduled by Observatory Director Ron Kalinoski, but they will begin early in the evening. With late fall temperatures taking hold, observers should dress in layers to protect them from the dropping

temperatures. As always, keep an eye on your email account and the ACA website for all upcoming observatory events. These events can only take place as weather permits; so, please always check event status on the ACA website before leaving for the observatory.

Special Thanks

Thank you to all members who have already contributed to the recently established meeting refreshment account. Also, a special thank you goes out to Ron Kalinoski who has taken on the task of purchasing the sweets for the club and making coffee for our meetings. Ron comes in over an hour before meetings to set up and prepare so refreshments are ready as members come in. Thanks, Ron! We appreciate all you do for ACA! If you wish to support our efforts in providing refreshments, please consider staying for a short time at the conclusion of our meetings to put away plates, napkins, cups, and store the coffee urn. Ron and the Board will appreciate the help!

Well Wishes

The ACA Board wishes you and your loved ones a wonderful Thanksgiving holiday. May your tables be bountiful and your hearts be full!



Observatory Report

By Ron Kalinoski

During the months of September and October, we had three outreach events. One was a homeschool group from Richfield which included 20 children and about half as many parents. We initially planned an observing event, but ended up providing two presentations in school room format at Richfield Library. The first presentation was titled "Phases of the Moon & Eclipses." The second presentation was titled "What Astronomers See through a Telescope." It was a fun afternoon with lots of questions from children of all ages.

The second outreach event occurred at Beech Creek Gardens in Alliance at their Halloween "Spooky Science" event. The event was well attended by the public. It was fun to walk around after the presentation to see all the Halloween decorations and light displays. Beech Creek Gardens gave Astronomy Club of Akron a \$50 donation as a gesture of appreciation for helping their organization.

The third outreach event started with an unusual request we received from StoryPoint Senior Living located in Medina. They requested a presentation on "Time Dilation" for their "Generation of Innovation" event. When I read their e-mail, I instantly started to smile because I remember putting together a presentation on time dilation over ten years ago for a star party presentation

(back when we used to have presentations before star parties). It took me a while to find the presentation and at one point I thought it must have got deleted. But finally, I found the time dilation presentation stored in a miscellaneous folder on an old USB drive. I changed some of the content and converted it to a PowerPoint presentation. At the StoryPoint facility, there were 15 seniors waiting to hear a talk about time dilation. The presentation lasted about 30 minutes and the seniors asked questions for another 30 minutes. It was a very enjoyable afternoon talking to the seniors. StoryPoint Senior Living gave Astronomy Club of Akron a \$150 donation for our help.

Now recently, Niladri Kar ordered a Tele Vue 12mm Delos eyepiece that is currently in shipment. The eyepiece was included in the 2025 observatory budget approved by ACA Board. The donations from these outreach events totaling \$200 will pay for half of this eyepiece. The Tele Vue 12mm Delos eyepiece was recommended by our eyepiece expert Phil Creed to match up with our 5-inch refractor for planetary observations. However, the eyepiece will also be a great match with our Tele Vue TV102 wide field telescope and can be used on the 16-inch observatory telescope to split close double stars like the Double Double in Lyra (Epsilon Lyrae). The eyepiece has an apparent field of view of 72 degrees and a large eye relief of 20mm. What a beauty Tele Vue designed.



The Astronomy Club of Akron Welcomes New Members

Drew Carlson — Louis & Rosemary Cramer — Alexander Safranek

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: position vacant

- E-mail:

Trustee: position vacant

- E-mail:

Trustee: position vacant

- E-mail:

Statutory Agent: Mark Kochheiser

- E-mail: statutoryagent@acaoh.org



New meeting video available on YouTube

By Glenn R. Cameron

2025-10-19 ACA Public Meeting Speaker Ron Kalinoski spoke about what astronomers see when they look through a telescope.
https://youtu.be/3QRQ2fce_nc



Meeting Minutes: October 19th, 2025

By Carol Spears

Meeting called to order by President Cathy Loboda: 3:10 PM

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. No additions or corrections.

Treasurer Report by Dave Hartsook: Treasurer reports are presented to members via The Night Sky Newsletter. No additions or corrections.

Old Business:

* None

New Business:

- Cathy announced that the date for the winter social for club members, which is usually held in

February, will be discussed at the November ACA meeting.

- Thanks to Dave Hartsook for sponsoring the refreshments for the October meeting, and to Ron Kalinoski for making the purchases.

Observatory Director Report by Ron Kalinoski:

- Ron made a presentation to Beach Creek Gardens organization on October 18. They gave a donation to the club in their appreciation.
- There have been a lot of star parties recently. Earlier start time due to shortened daylight hours. Soon Jupiter will be visible, the Orion Nebula and Pleiades.

Member Observations:

- None

Member Inquiries:

- * No member inquiries.

Meeting adjourned by Cathy Loboda: 3:20 PM



October 2025 ACA Treasurer's Report
By Dave Hartsook
11/3/2025

Checking Beginning Balance	\$ 1,792.28
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Income

Membership Dues	\$ 420.00
Donations	\$ 90.00
Paypal Fee Calc Overage	\$ 0.12

Total Income	\$ 510.12
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Expenses

Transfer to Savings	\$ (900.00)
Reimburse Observatory Director for refreshments and coffee at September ACA Meeting	\$ (43.29)
Postage	\$ (8.45)

Total Expenses	\$ (951.74)
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Income Less Expenses and Transfers	\$ (441.62)
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Checking Ending Balance	\$ 1,350.66
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Savings Beginning Balance	\$ 2,069.31
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Interest Income	\$ 0.02
Transfer from Checking	\$ 900.00

Savings Ending Balance	\$ 2,969.33
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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	\$ 4,369.99
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Astronomy Club of Akron

2025 Autumn Activity Schedule

View Celestial Objects through the area's Largest Amateur Club Telescope

5031 Manchester Road, Akron, OH www.acaoh.org

Astronomy Club of Akron has been a distinguished northeast Ohio organization since 1949. The objective of the ACA is to promote the education of the public in the area of astronomy and related sciences through our public star parties and public lecture meetings.

STAR PARTIES: Portage Lakes State Park Observatory featuring a computerized 16 inch telescope

- Please join us for stargazing and educational activities. Our Star Parties are free and open to the public. Please arrive on time to avoid headlight distraction.
- For notice of “impromptu star parties”, send e-mail to ACAstarparty@att.net to request e-mail notification of our observing sessions.
- Events will be cancelled if skies are cloudy. Always check website for star party status two hours before event.
- This is an outdoor activity in an unheated environment. Nighttime temperatures drop rapidly, even during summer. A general rule of thumb is to dress for 15 degrees cooler than predicted nighttime low temperature.
- Please, **No Smoking** on observatory grounds. Smoke reacts with optical surfaces, damaging optical coatings.
- Please, no use of cell phones or tablets in observatory (to preserve night vision).

Public Lecture Meetings: Free and open to the public featuring professional speakers

Meeting Place: Portage Lakes Kiwanis Civic Center
725 Portage Lakes Drive Akron, OH

2025 Autumn Schedule:

September 21, 2025 2:00pm

Jeffrey Woytach, Space Systems Consulting, LLC

NASA OSIRIS-Rex and DART Missions

This presentation covers two NASA missions. OSIRIS-REx is an asteroid sample return to Earth endeavor and DART investigates the possibility of deflecting an asteroid by a kinetic impactor. Jeffrey Woytach will explain how these missions were executed and the successes of each mission.

October 19, 2025 2:00pm

Dr. Jay Reynolds, Cleveland State University

Hertzsprung Russell Diagram

Stars are born, live their lives, and experience death. Dr. Jay Reynolds will explain how data represented on the Hertzsprung Russell Diagram tells us about the lives of stars and what star properties we can learn based on the star's location on the H-R Diagram.

November 16, 2025 2:00pm

Dr. Robert Harmon, Ohio Wesleyan University

Solar Physics and Starspots

Dr. Robert Harmon is a theoretical physicist and observational astronomer. He uses the OWU Perkins Observatory telescope to conduct his research on starspots. Dr. Harmon's talk will cover some of his research on starspots and discuss the mechanisms of solar physics.

*** We hold unscheduled star parties when skies are clear. For an e-mail notification of impromptu star parties send a message to ACAstarparty@att.net to be added to the list. For private star parties (Boy Scouts, Girl Scouts, Church Groups, School Groups, etc.) send a request to the same e-mail address.

Swap-n-Shop

Glenn Cameron

Email: glenn@cameronclan.org

- Astro-Tech AT60ED 60mm F6 ED Doublet. Contains one FPL53 lens by Ohara in Japan which minimizes chromatic aberration. Price is \$300



Swap-n-Shop

Freddy Huffman

Phone: 330-535-8009

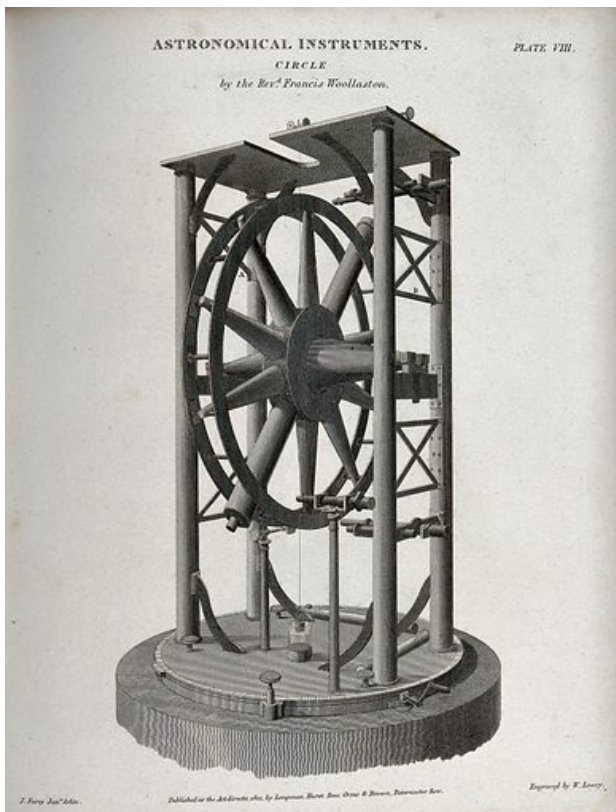
Email: trusstube2@gmail.com

- 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



November Astronomical Events

Date	GMT (h:m)	Event
01	12:46	Moon at Ascending Node
01	20:02	Venus 3.3°N of Spica
02	05:46	Saturn 3.7°S of Moon
05	08:00	S Taurid Meteor Shower
05	08:19	FULL MOON
05	17:29	Moon at Perigee: 356833 km
06	10:26	Pleiades 0.8°S of Moon
08	21:41	Mercury 2.6°N of Antares
10	01:40	Pollux 2.7°N of Moon
10	02:56	Jupiter 4.0°S of Moon
12	00:28	LAST QUARTER MOON
12	07:00	N Taurid Meteor Shower
12	17:51	Regulus 1.1°S of Moon
12	23:00	Mercury 1.2°S of Mars
14	01:38	Moon at Descending Node
17	05:11	Spica 1.2°N of Moon
17	13:00	Leonid Meteor Shower
19	21:48	Moon at Apogee: 406693 km
20	01:47	NEW MOON
20	04:00	Mercury at Inferior Conj
21	08:00	Uranus at Opposition
23	06:00	Mercury at Perihelion
28	01:59	FIRST QUARTER MOON
28	16:33	Moon at Ascending Node
29	14:08	Saturn 3.7°S of Moon



December Astronomical Events

Date	GMT (h:m)	Event
03	21:54	Pleiades 0.8°S of Moon
04	06:06	Moon at Perigee: 356962 km
04	18:14	FULL MOON
07	10:48	Jupiter 3.7°S of Moon
07	11:21	Pollux 2.9°N of Moon
07	16:00	Mercury at Grtst Elong: 20.7°W
10	01:32	Regulus 0.8°S of Moon
11	02:35	Moon at Descending Node
11	15:52	LAST QUARTER MOON
14	02:00	Geminid Meteor Shower
14	11:27	Spica 1.4°N of Moon
17	01:09	Moon at Apogee: 406324 km
18	07:29	Antares 0.4°N of Moon
19	20:43	NEW MOON
21	10:03	Winter Solstice
22	11:00	Ursid Meteor Shower
25	17:03	Moon at Ascending Node
26	22:24	Saturn 4.0°S of Moon
27	14:10	FIRST QUARTER MOON
31	08:21	Pleiades 0.9°S of Moon



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

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

Junior (ages 12 to 17) ☐ \$15.00

Additional Adult Member ☐ \$15.00

Family Membership ☐ \$40.00

Visit us on the Web at www.acaoh.org