



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 47 Number 5

May 2025

ACA MEETING - Sunday, May 18th, 2025 at 2:00 p.m.

President's Column

By Cathy Loboda

Upcoming Meeting: May 18, 2025

The final ACA meeting of the season is Sunday, May 18th at 2:00 pm. Lecturer Gary Kader of Baldwin Wallace University and Director of Burrell Observatory will present "Cosmic Distance Ladder." This presentation offers discussion on the various methods called "standard candles" that astronomers use to determine the distances to celestial objects. All ACA meetings are held at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Hope to see you on the 18th! Meeting refreshments will be provided by Glenn Cameron. Thanks, Glenn!

Summer Break

ACA membership meetings will take a break and resume after a summer hiatus. The first meeting of our fall season is scheduled for 2:00 pm on Sunday, September 21, at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron.

Membership Renewals

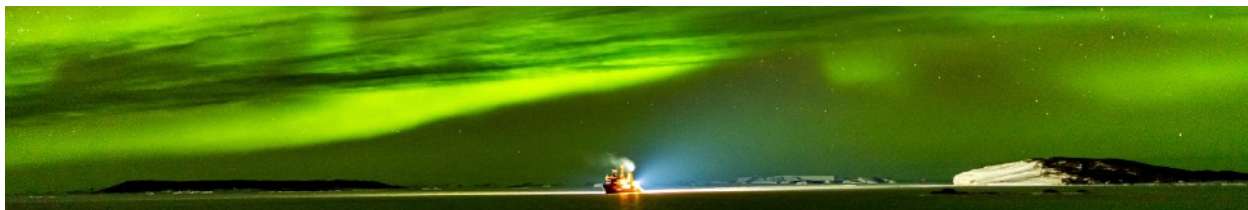
Just a gentle reminder that membership fees are due for the upcoming year on or before the September 21st membership meeting. If you would like to take this off of your "to do" list, feel free to

mail your dues to treasurer Dave Hartsook at: The Astronomy Club of Akron, c/o Dave Hartsook, 4174 Meadow Wood Lane, Uniontown, Ohio 44685-7717. Yearly dues are: \$30.00 for an Adult Membership (age 18 and over), \$15.00 for Juniors (age 12 to 17), \$15.00 for each additional member (with an Adult Membership), and \$40.00 for a Family Membership (usually the lowest total cost of the available options). 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

As ACA takes its summer hiatus, members are reminded to keep an eye on their email accounts for star party announcements. Observatory Director Ron Kalinoski will continue to schedule star parties and will send an announcement of the upcoming event through email and the ACA website. Naturally, star parties are held weather permitting and the best opportunity for viewing can quickly change. Always check the ACA website before venturing out to a star party in the event weather conditions have prevented the planned

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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

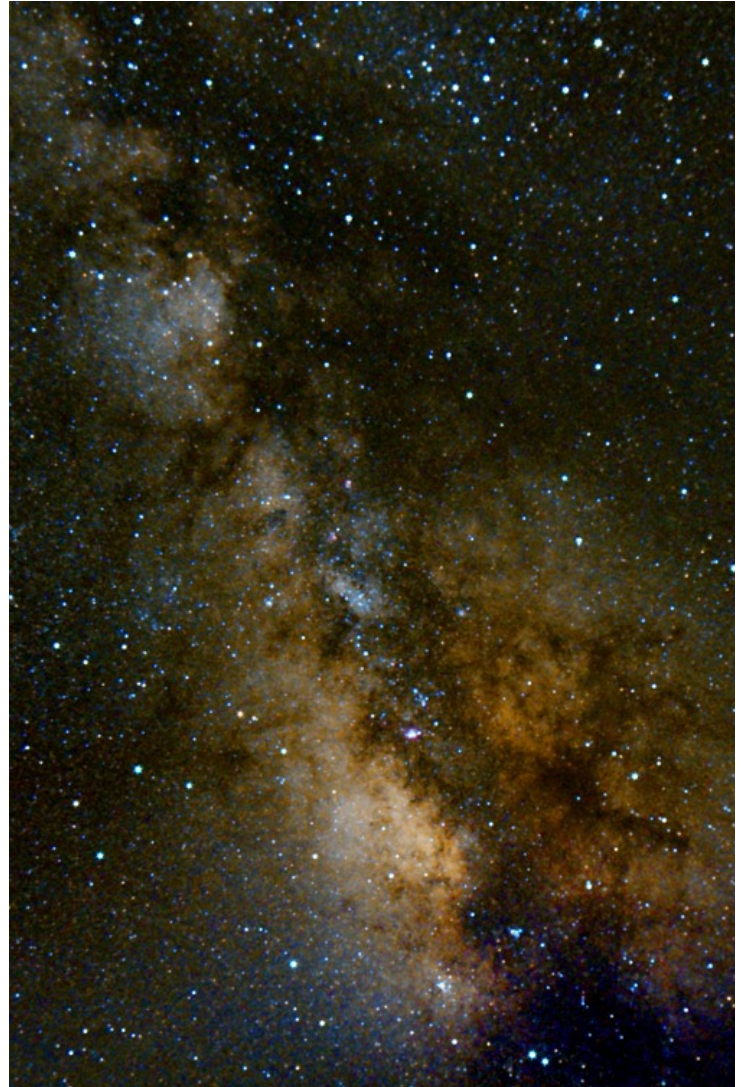
- E-mail:

Trustee: position vacant

- E-mail:

Statutory Agent: Mark Kochheiser

- E-mail: statutoryagent@acaoh.org



(President's Column continued from page 1)

star party from taking place. If you are not on the Star Party email list, please see Ron.

Annual ACA Summer Picnic

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. ACA will provide burgers, dogs, buns, condiments, water, and paper products. Last year's picnic was enjoyed by all in attendance... good friends + good food = good times! Hope to see you there!

Meeting Minutes: April 27th, 2025

By Ella Betka for Secretary Carol Spears

Meeting called to order by President Cathy Loboda: 3:45 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: None

New Business:

A time of 2:00pm was set for the annual membership picnic. More information on the event and location will be published in the May newsletter.

Newly awarded Honorary Member Mark Kochheiser will be recognized at the May 18th membership meeting.

Members were asked about their interest in joining the Astronomical League. The club could join and reduce membership rates for members if there is a

significant interest. There were few interested at the time.

Observatory Director's Report: Ron reported that recent star parties were successful. He also shared concern about the lighting planned for the newly constructed visitor's center. Park administration has not given Ron details about the lighting or assurance that the design will minimize light pollution. Statutory Agent Mark Kochheiser will contact our state representative and express our concerns. Ron shared that the club had a committee in the past that communicated with area businesses and the park administration when light pollution became a concern. He asked members in attendance if anyone would be interested in creating such a committee. No interest was shown. Ron reported that there will be maintenance on the observatory. The main project will be replacement of boards that support the roll-off roof.

Member Observations or Inquiries: None

Thanks went out to Ron Kalinoski for the meeting refreshments.

A reminder was made about the May 18th meeting. Speaker Gary Kader will present a program titled "Cosmic Distance Ladder."

Meeting adjourned: 4:15pm



April 2025 ACA Treasurer's Report
By Dave Hartsook
5/2/2025

Checking Beginning Balance	\$ 1,210.43
Income	
Membership Dues	\$ 20.00
Donations	\$ 70.00
Total Income	<u>\$ 90.00</u>
Expenses	
None	\$ -
Total Expenses	<u>\$ -</u>
Income Less Expenses and Transfers	\$ 90.00
Checking Ending Balance	<u><u>\$ 1,300.43</u></u>
Savings Beginning Balance	
Interest Income	\$ 0.01
Savings Ending Balance	<u><u>\$ 1,769.23</u></u>
Petty Cash Beginning Balance	
No Activity	
Petty Cash Ending Balance	<u><u>\$ 50.00</u></u>
Grand Total	<u><u>\$ 3,119.66</u></u>



Astronomy Club of Akron

2025 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 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 Meetings: Free and open to the public featuring professional speakers

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

2025 Spring Schedule:

February 16, 2025 2:00pm

Jeffrey Woytach, NASA Glenn Research Center

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.

March 16, 2025 2:00pm

Dr. Donald Terndrup, Ohio State University

Astronomy in the Era of Giant Surveys

This talk features the challenges faced in an upcoming sky survey by a giant collaboration of astronomers including Dr. Terndrup, that wants to understand quasars and the evolution of black holes.

April 27, 2025 2:00pm

Dr. Cyrus Taylor, Case Western Reserve University

Verification of the Standard Model of Particle Physics

Dr. Taylor will discuss verification of the predictions of the Standard Model of Particle Physics. The Standard Model of Particle Physics classifies all known elementary particles and describes the electromagnetic force, strong force, weak force and how those forces are conveyed.

May 18, 2025 2:00pm

Gary Kader, Baldwin Wallace University, Director of Burrell Observatory and Lecturer

Cosmic Distance Ladder

Gary will discuss the various methods called “standard candles” that astronomers use to determine the distances to celestial objects.

*** 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.

May Astronomical Events

Date	GMT (h:m)	Event
02	19:02	Pollux 2.1°N of Moon
03	18:12	Mars 2.1°S of Moon
04	08:52	FIRST QUARTER MOON
04	21:00	Eta-Aquarid Meteor Shower
05	12:58	Regulus 2.0°S of Moon
07	18:44	Moon at Descending Node
10	02:43	Spica 0.4°N of Moon
10	19:49	Moon at Apogee: 406245 km
12	11:56	FULL MOON
13	23:10	Antares 0.3°N of Moon
17	20:00	Uranus in Conjunction with Sun
20	06:59	LAST QUARTER MOON
22	03:05	Moon at Ascending Node
22	12:51	Saturn 2.8°S of Moon
23	18:52	Venus 4.0°S of Moon
25	20:37	Moon at Perigee: 359023 km
26	22:02	NEW MOON
29	23:00	Mercury at Superior Conj
30	04:13	Pollux 2.3°N of Moon
31	08:00	Mercury at Perihelion
31	21:00	Venus at Grtst Elong: 45.9°W
30	00:26	Moon at Perigee: 358127 km



June Astronomical Events

Date	GMT (h:m)	Event
01	04:49	Mars 1.4°S of Moon
01	20:30	Regulus 1.8°S of Moon
02	22:41	FIRST QUARTER MOON
03	20:33	Moon at Descending Node
06	09:15	Spica 0.5°N of Moon
07	05:42	Moon at Apogee: 405553 km
10	05:25	Antares 0.3°N of Moon
11	02:44	FULL MOON
11	22:00	Venus at Aphelion
16	21:05	Mars 0.7°N of Regulus
18	04:41	Moon at Ascending Node
18	14:19	LAST QUARTER MOON
18	22:47	Saturn 3.4°S of Moon
20	21:42	Summer Solstice
21	14:51	Mercury 4.8°S of Pollux
22	21:59	Pleiades 0.6°S of Moon
22	23:43	Moon at Perigee: 363178 km
24	10:00	Jupiter in Conjunction with Sun
25	05:31	NEW MOON
26	14:14	Pollux 2.5°N of Moon
27	01:02	Mercury 2.9°S of Moon
29	05:26	Regulus 1.5°S of Moon
29	20:05	Mars 0.2°S of Moon: Occn.
30	22:46	Moon at Descending Node



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

Swap-n-Shop

Glenn Cameron

Email: glenn@cameronclan.org

- iOptron AZ Mount Pro with:
 - Go2Nova 8407 hand controller
 - Model FY1262000 AZ Mount Pro Li-Ion Battery Charger
 - Aluminum hard case
- 12V car battery power cable
- Aluminum Hard Case
- iOptron PowerWeight CW Battery with Model FY1441500 Battery Charger

The tripod and pier extension are not included.

It's posted on CloudyNights.com and my user account is grcameron. Email to ask questions or to set up a time to see the gear.

\$650.00



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: \$2,600

Contact: Nick Mihiylov

Phone: (330)760-0746

Email: nmihylov@aol.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