



The Night Sky

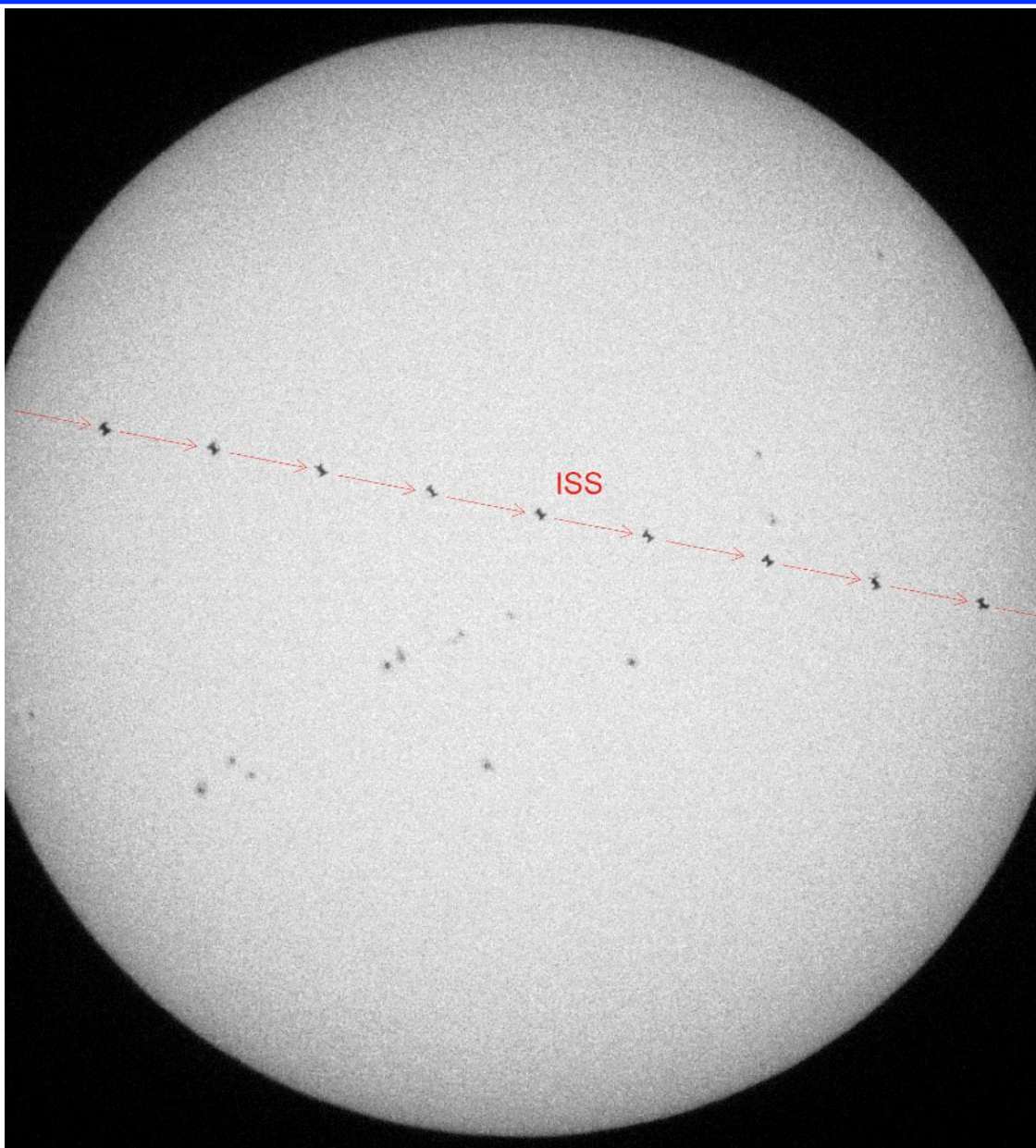
The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 47 Number 8

September 2025

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



ISS Solar Transit Composite by ACA member, Niladri Kar, on 08/11/25 at 08:25:13, taken at Springfield Lake.

Transit time 1.7s using 80ED refractor, IMX585 camera and PMC-Eight mount. Video capture with SharpCap, stacking in Registax and final image processing in PhotoShop.

President's Column

By Cathy Loboda

ACA Membership Meetings

Our summer hiatus is over! ACA's membership meetings for the fall cycle begin with the September 21st meeting at 200pm. 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. All ACA membership meetings are held at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron.

Membership Renewals

Just a quick 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

Enjoy these mild autumn nights and attend one of the many Star Parties planned by Observatory Director Ron Kalinoski. Keep an eye on your email account and the ACA website for all 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.

ACA Annual Members' Summer Picnic

Our annual summer picnic was held on Sunday, August 17th at the Walker Pavilion of Olde Portage Lakes State Park. The day was picture perfect and enjoyed by all in attendance. Members spent the afternoon indulging in an abundance of shared dishes and rich conversations with previous presenters and friends. Special thanks to our grill master, Ron Kalinoski. Your skill at the grill is unprecedented!

Meeting Refreshments

To ensure consistency in availability, meeting refreshments will now be purchased by the club and brought to meetings. In lieu of signing up for a particular date to provide refreshments, the Board asks members to support meeting refreshments through monetary donations. The club has created an account specific to supporting the cost of providing refreshments; so if you are so inclined, give your donation to treasurer Dave Hartsook and note that you are giving to the refreshment fund.

Upcoming Presentations

October 19, 2025

The Hertzsprung Russell Diagram

Dr. Jay Reynolds, Cleveland State University

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

Solar Physics and Starspots

Dr. Robert Harmon, Ohio Wesleyan University

Dr. Robert Harmon is a theoretical physicist and observational astronomer. He uses the Ohio Wesleyan University 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.

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

Annual Membership Message

By Dave Hartsook

The following is a copy of part of Dave's email sent to all club members on 08/29/2025.

Greetings ACA members!

Hope everyone has had a good summer so far.

...

As a reminder, ACA memberships expire annually on August 31, and membership renewal payments are due in the month of September.

Please make a note or mark your calendar to renew your membership in September. If you've already renewed early, thank you!

Renewal forms are available on the ACA website at <https://www.acaoh.org/membership.htm>. A fillable membership form is also attached.

...

Editor's note: The form attached to the email was fillable but that format couldn't be inserted into this newsletter. The link above is fillable. Also the form is on the last page of this newsletter which can be printed, filled out and mailed to the treasurer.



August 2025 ACA Treasurer's Report
By Dave Hartsook
9/3/2025

Checking Beginning Balance	\$	1,500.96
Income		
Membership Dues	\$	207.50
Paypal Fee Calc Overage	\$	0.14
Total Income	\$	207.64
Expenses		
Transfer to Savings	\$	(300.00)
Reimburse Observatory Director for Obsy patio/sidewalk cleanup items	\$	(64.94)
Reimburse Observatory Director for 2025 ACA Picnic food and condiments	\$	(226.50)
Total Expenses	\$	(591.44)
Income Less Expenses and Transfers	\$	(383.80)
Checking Ending Balance	\$	1,117.16
Savings Beginning Balance		
Savings Beginning Balance	\$	1,769.28
Interest Income	\$	0.01
Transfer from Checking	\$	300.00
Savings Ending Balance	\$	2,069.29
Petty Cash Beginning Balance		
Petty Cash Beginning Balance	\$	50.00
No Activity		
Petty Cash Ending Balance	\$	50.00
Grand Total	\$	3,236.45



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.

ACA Picnic Photos

By Ron Kalinoski

On August 17th, Astronomy Club of Akron held their annual summer picnic at Walker Pavilion in Portage Lakes State Park. We had a full house with 27 members attending. Also attending the picnic was ACA meeting guest speakers Dr. Cyrus Taylor and Dr. Jay Reynolds. How often do you get to sit down and chat with a String Theorist and Celebrity Astronomer while eating hotdogs and hamburgers? And to top off the meal, members brought a full list of desserts. Thanks to everybody for making this event a success!





Jupiter Venus Conjunction

By Ron Kalinoski

The following is a copy of Ron's email sent to all club members on 08/11/2025.

Hello Stargazers,

Jupiter & Venus have been putting on a fine show in the morning. Tomorrow, August 12th they reach conjunction (closest as seen from Earth). We have clear skies forecasted for tomorrow morning, so we should have good seeing conditions for observing the conjunction. The best view from your house is between 5:00am and 5:30am, looking to the east. Attached is a picture from this morning's show!



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



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