



# The Night Sky

The Newsletter of  
The Astronomy Club of Akron

[www.acaoh.org](http://www.acaoh.org)

Volume 47 Number 7

August 2025

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

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## 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 or Grille Master Ron Kalinoski before August 10th. Mike Sanders has already tagged his famous baked beans as his dish to share. Looking forward to sampling the wide variety of your favorite sharable dishes! ACA will provide burgers, dogs, buns, condiments, water, and paper products. Last year's picnic was enjoyed by all in attendance. Plan now to join fellow members and a number of our previous presenters at this summer social. Hope to see you there!

### ACA Membership Meetings

ACA membership meetings will soon be upon us as our summer hiatus comes to an end. 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.

### Astronomical League

The Astronomical League is a federation of astronomical societies and a non-profit organization. Its purpose is to promote the science of astronomy by fostering astronomical education, providing incentives for astronomical observation and research, and assisting communication among amateur astronomical societies. A number of ACA members showed interest in supporting the Astronomical League and its programs through membership. Adult membership is \$48 a year and includes a paper or digital subscription to Reflector, its publication: <https://www.astroleague.org/membership-levels/>. Astronomical League also offers paper or digital subscriptions of Reflector without membership at \$10 yearly (4 issues). If you are simply interested in enjoying an occasional read, you can go to the Astronomical League website to find issues of Reflector: <https://www.astroleague.org/reflector/>. Astronomical League offers a number of programs and awards for those who are interested. Check out the website for more information: <https://www.astroleague.org/>.

(Continued on page 3)

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## The Astronomy Club of Akron Welcomes New Members

Glen Kizer

Daniel Chalupsky

We look forward to seeing you in future club events.

## OFFICERS 2024 — 2026

President: Cathy Loboda

- E-mail: [president@acaoh.org](mailto:president@acaoh.org)

Vice President: Gary Smith

- E-mail: [vice.president@acaoh.org](mailto:vice.president@acaoh.org)

Treasurer: Dave Hartsook

- E-mail: [treasurer@acaoh.org](mailto:treasurer@acaoh.org)

Secretary: Carol Spears

- E-mail: [secretary@acaoh.org](mailto:secretary@acaoh.org)

Assistant Secretary/Treasurer:

- E-mail: [secretarytreasurer@acaoh.org](mailto:secretarytreasurer@acaoh.org)

Observatory Director: Ron Kalinoski

- E-mail: [observatory.director@acaoh.org](mailto:observatory.director@acaoh.org)

ACA Webmaster: Earl Rodd

- E-mail: [webmaster@acaoh.org](mailto:webmaster@acaoh.org)

Publications Secretary: Glenn R. Cameron

- E-mail: [newsletter.editor@acaoh.org](mailto: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](mailto:statutoryagent@acaoh.org)

## 2025 Astronomy Club of Akron Annual Picnic

### By Ron Kalinoski

The following is a copy of the email sent from [akronstarparty@att.net](mailto:akronstarparty@att.net) on August 4th, reminding us about the upcoming annual ACA picnic.

Hello Astronomy Club of Akron Members,

The Astronomy Club of Akron Annual Picnic is being held on Sunday August 17th at 2:00pm at Walker Pavilion in Portage Lakes State Park. The address is 4357 State Park Drive, Akron, OH. Enter from the old park entrance off Turkeyfoot Road.

Astronomy Club of Akron Treasury will provide hamburgers, hotdogs, any specialty food you tell us about in advance, paper plates, napkins, paper cups, plasticware, water, soda, and condiments.

It is suggested members bring dessert or side dish.

Last year we had very good attendance and lots of fun.

It is essential that you reply to this e-mail, so ACA has a good estimate of the number of people attending so we can provide the correct amount of food.

Please respond, thank you.

Regards,

ACA Picnic Team



## 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 bring a check to the members’ picnic or 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 summer 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.

## 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.

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## New Lifetime Honorary ACA Member

At the July 19th ACA board meeting, Mark Kochheiser, long-time ACA member and statutory agent of the club, was awarded an honorary lifetime membership.

Congratulations Mark and thank you for the years of dedication to the ACA! Photo by Ron Kalinoski.



**July 2025 ACA Treasurer's Report**  
**By Dave Hartsook**  
**8/2/2025**

<b>Checking Beginning Balance</b>		<b>\$ 1,470.96</b>
<b>Income</b>		
Membership Dues		\$ 30.00
<b>Total Income</b>		<b>\$ 30.00</b>
<b>Expenses</b>		
None		\$ -
<b>Total Expenses</b>		<b>\$ -</b>
<b>Income Less Expenses and Transfers</b>		<b>\$ 30.00</b>
<b>Checking Ending Balance</b>		<b>\$ 1,500.96</b>
<b>Savings Beginning Balance</b>		<b>\$ 1,769.26</b>
Interest Income		\$ 0.02
<b>Savings Ending Balance</b>		<b>\$ 1,769.28</b>
<b>Petty Cash Beginning Balance</b>		<b>\$ 50.00</b>
No Activity		
<b>Petty Cash Ending Balance</b>		<b>\$ 50.00</b>
<b>Grand Total</b>		<b>\$ 3,320.24</b>



# 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](http://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](mailto: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.

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**Dr. Jay Reynolds, Cleveland State University**

#### **Hertzsprung Russell Diagram**

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**Dr. Robert Harmon, Ohio Wesleyan University**

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\*\*\* 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](mailto: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.



## 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



## September Astronomical Events

Date	GMT (h:m)	Event
07	13:09	FULL MOON
07	13:12	Total Lunar Eclipse; mag=1.362
07	18:08	Moon at Ascending Node
08	15:09	Saturn 4.0°S of Moon
10	07:09	Moon at Perigee: 364781 km
12	16:48	Pleiades 1.0°S of Moon
12	22:28	Mars 2.0°N of Spica
13	00:00	Mercury at Superior Conj
14	05:33	LAST QUARTER MOON
16	06:06	Jupiter 4.6°S of Moon
16	12:58	Pollux 2.4°N of Moon
19	03:57	Venus 0.4°N of Regulus
19	06:11	Regulus 1.3°S of Moon
19	06:46	Venus 0.8°S of Moon: Occn.
20	18:13	Moon at Descending Node
21	00:00	Saturn at Opposition
21	14:42	Partial Solar Eclips; mag=0.855
21	14:54	NEW MOON
22	13:20	Autumnal Equinox
23	06:00	Neptune at Opposition
23	16:31	Spica 1.1°N of Moon
24	09:50	Mars 3.9°N of Moon
26	04:46	Moon at Apogee: 405552 km
27	12:34	Antares 0.6°N of Moon
29	18:54	FIRST QUARTER MOON



Sky Event Almanacs Courtesy of Fred Espenak, [www.AstroPixels.com](http://www.AstroPixels.com)

## Swap-n-Shop

Glenn Cameron

Email: [glenn@cameronclan.org](mailto: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](mailto: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](http://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](http://www.acaoh.org)