



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

October 2024

ACA MEETING - Sunday, October 20th, 2024 at 2:00 p.m.

**ACA Member Photo by
Niladri Kar**

September First Quarter
Moon, 9/10/2024

Southern part of terminator
with features of “exceptional
interest,” per the Virtual
Moon Atlas.



President's Column

By Cathy Loboda

Mark Your Calendars

The next meeting of the Astronomy Club of Akron is Sunday, October 20 at 2:00pm. Speaker Dr. Jay Reynolds from Cleveland State University will present "Neutron Stars-Why Are They So Unique?" Dr. Reynolds has presented numerous programs for ACA in the past and has proven to be a dynamic speaker. Don't miss his engaging presentation! All ACA meetings are held at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Meeting refreshments will be provided by Cathy Loboda.

Then the ACA has one more membership meeting before our holiday break in December. That will be the November ACA meeting on November 17, 2024. Our speaker is Dr. Patrick Durrell of Youngstown State University. His talk is, A Visit to the Virgo Cluster of Galaxies.

Final Reminder

Membership fees were due for the 2024-25 year at our September meeting. If you have yet to pay or renew your membership, please plan to do so at the October membership meeting. If you are unable to attend the October meeting, you can 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)
- \$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

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. Of course these events can only take place as weather permits; so, Ron emails an announcement of an upcoming event a few days in advance and then emails on the scheduled day if weather prevents its occurrence. Consequently, please always check your email before leaving for the observatory.

What A Year!

Wow! What a year 2024 has been so far! Northeast Ohio was graced with an amazing total solar eclipse (in early April, no less), two fantastic views of the Aurora Borealis, and Comet Tsuchinshan-ATLAS (visible shortly after sunset). Do we need to remind ourselves that such life altering events are rarely visible in the skies of Northeast Ohio?!?! How many times have we told our younger family members that this is not the norm and we are so fortunate to have experienced these events. Come to our October meeting ready to share your experiences!



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: Jeff Hudson

- E-mail: webmaster@acaoh.org

Publications Secretary: Glenn R. Cameron

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

Trustee: Mike Sanders

- E-mail:

Trustee: Katie Adams

- E-mail: katiemarie1678@gmail.com

Trustee: position vacant

- E-mail:

Statutory Agent: Mark Kochheiser

- E-mail: statutoryagent@acaoh.org

New Members

ACA extends a warm welcome to new members: Noah Carter, John Rasinski, Gary Peters, John Wiencek, John Parr, and Tom Marshall. ACA thanks you for your membership and interest in our club! We look forward to seeing you at future club events!

2024 Membership Meeting Dates

By Ron Kalinoski

Hello Members. We have secured the following dates for 2024 membership meetings:

- January 21
- February 18
- March 17
- April 21
- May 19
- September 15
- October 20
- November 17

All meetings will start at 2:00 p.m..

We have the Kiwanis Civic Center reserved from 12 p.m. to 5 p.m. for set up and clean up.

Portage Lakes Kiwanis Civic Center
725 Portage Lakes Drive
Akron, Ohio 44319



Meeting Minutes: September 15th, 2024

Submitted by Secretary Carol Spears

Meeting called to order: by President Cathy Loboda at 2:10 p.m.

Officers' Reports:

Vice President, Gary Smith: No report

Secretary Report, Carol Spears: Secretary minutes are presented to members via the Night Sky Newsletter.

Treasurer Report, Dave Hartsook: Treasurer had an excused absence at this meeting. Treasurer reports are presented to members via The Night Sky Newsletter. There were no additions or corrections to the two reports.

Old Business: None reported.

New Business: Cathy read the ACA mission statement to as a reminder to everyone. She invited membership input to help the Board fulfill the mission.

Cathy announced the membership will have an opportunity to vote to change the bylaws at the November meeting to permit the ACA Lifetime Members to serve on the Board.

Observatory Director Report, Ron Kalinoski: There is a need for a maintenance day at the observatory in October. Ron reported that there was an inventory of all the materials/boards need to replace the wooden supports under the rail in the roof roll off and to restore the paneling of the west side of the observatory.

Statutory agent, Mark Kochheiser, informed Ron about a proposed new visitor center at the Portage Lakes State Park's beach access area near to the observatory. Ron contacted our area's state representative, Jack Daniels, to request concept sketches about the proposed visitor center. The intent is that the ACA can be in the loop as to the design and have input on ways to minimize impacts on observatory viewing.

There were lots of solar parties in the summer. Now that the school year has resumed, there will be fewer, primarily scheduled for weekends. There was a reminder also to watch for announcements about star parties.

Earl Rodd's next project is to work on the website email list.

Member observations: Stuart Clary reported enjoying good views of Venus.

Dean Phillips commented on how views of Saturn have been great the last two months.

Member inquiry: Inquiry about any plans to ask the State Park to trim/cut any trees for better observations. There was discussion that in the past there was a chestnut tree removed to the west of the observatory. General discussion was that there is not a need for a request to remove trees at the present.

Meeting adjourned: by President Cathy Loboda at 4:25 p.m.

Thanks to Cathy Loboda and Ron Kalinoski for the refreshments for today's meeting.





Astronomy Club of Akron

2024 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 membership 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).

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

Meeting Place: Portage Lakes Kiwanis Civic

725 Portage Lakes Drive

Akron, Ohio

2024 Autumn Schedule:

September 15, 2024 2:00pm

John Crilly – ACA Member

Phil Creed – ACA Guest Speaker

Dean Philips – ACA Member

Astronomy Club of Akron Telescope Seminar

Our knowledgeable speakers will explain how binoculars, refractors, reflectors, and eyepieces function and explain the advantages and disadvantages of different models.

October 20, 2024 2:00pm

Dr. Jay Reynolds

Cleveland State University

Neutron Stars – Why are They so Unique?

With T Coronae Borealis set to go Nova this year, there is a great interest in these final states of stars.

November 17, 2024 2:00pm

Dr. Patrick Durrell

A Visit to the Virgo Cluster of Galaxies

Youngstown State University

This talk will feature Dr. Durrell's research about galaxies in the Virgo Cluster.

*** 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.

August 2024 ACA Treasurer's Report
By Dave Hartsook
9/20/2024

Checking Beginning Balance	\$1,871.16
Income	
Membership Dues	\$175.00
Donations	\$20.00
Paypal fee calc overage	\$0.12
Total Income	<u>\$195.12</u>
Expenses	
Reimburse Observatory Director for telescope counterweight fasteners and threading tap tool, ACA 2024 Picnic expenses, and coffee/ creamer for ACA meeting	\$ (289.99)
Total Expenses	<u>\$ (289.99)</u>
Income Less Expenses	\$ (94.87)
Checking Ending Balance	<u><u>\$1,776.29</u></u>
Savings Beginning Balance	\$1,969.06
Interest Income	\$0.01
Savings Ending Balance	<u><u>\$1,969.07</u></u>
Petty Cash Beginning Balance	\$50.00
No Activity	
Petty Cash Ending Balance	\$50.00
Grand Total	<u><u>\$3,795.36</u></u>

September 2024 ACA Treasurer's Report
By Dave Hartsook
10/2/2024

Checking Beginning Balance	\$1,776.29
Income	
Membership Dues	\$750.00
Paypal fee calc overage	\$0.06
Total Income	<u>\$750.06</u>
Expenses	
Speaker Honorariums for September ACA Telescope Seminar	\$ (75.00)
Total Expenses	<u>\$ (75.00)</u>
Income Less Expenses	\$ 675.06
Checking Ending Balance	<u><u>\$2,451.35</u></u>
Savings Beginning Balance	\$1,969.07
Interest Income	\$0.02
Savings Ending Balance	<u><u>\$1,969.09</u></u>
Petty Cash Beginning Balance	\$50.00
No Activity	
Petty Cash Ending Balance	<u><u>\$50.00</u></u>
Grand Total	<u><u>\$4,470.44</u></u>

October Astronomical Events

Date	GMT (h:m)	Event
02	11:52	Moon at Descending Node
02	18:45	Annular Solar Eclps mag=0.933
02	18:49	NEW MOON
02	19:40	Moon at Apogee: 406517 km
05	20:27	Venus 3.0°N of Moon
07	18:48	Antares 0.2°N of Moon
10	18:55	FIRST QUARTER MOON
14	18:05	Saturn 0.1°S of Moon: Occn.
16	07:05	Moon at Ascending Node
17	00:46	Moon at Perigee: 357173 km
17	11:26	FULL MOON
19	19:59	Pleiades 0.1°S of Moon
21	06:00	Orionid Meteor Shower
23	17:16	Pollux 1.7°N of Moon
23	19:55	Mars 3.9°S of Moon
24	08:03	LAST QUARTER MOON
25	23:43	Venus 3.0°N of Antares
26	13:24	Regulus 2.9°S of Moon
29	17:44	Moon at Descending Node
29	22:50	Moon at Apogee: 406164 km



November Astronomical Events

Date	GMT (h:m)	Event
01	12:47	NEW MOON
03	07:37	Mercury 2.1°N of Moon
04	00:26	Antares 0.1°N of Moon
05	00:16	Venus 3.1°N of Moon
05	06:00	S Taurid Meteor Shower
09	05:56	FIRST QUARTER MOON
10	04:22	Mercury 2.0°N of Antares
11	01:36	Saturn 0.1°S of Moon: Occn.
12	06:00	N Taurid Meteor Shower
12	15:59	Moon at Ascending Node
14	11:18	Moon at Perigee: 360110 km
15	21:29	FULL MOON
16	06:59	Pleiades 0.1°S of Moon
16	08:00	Mercury at Grtst Elong: 22.5°E
17	03:00	Uranus at Opposition
17	12:00	Leonid Meteor Shower
20	02:07	Pollux 1.9°N of Moon
20	21:07	Mars 2.4°S of Moon
22	20:48	Regulus 2.7°S of Moon
23	01:28	LAST QUARTER MOON
25	21:31	Moon at Descending Node
26	11:56	Moon at Apogee: 405315 km
27	11:33	Spica 0.4°S of Moon



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
- 12V car battery power cable
- Aluminum Hard Case

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.

\$700.00



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



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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