



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 48 Number 4

April 2026

ACA MEETING - Sunday, April 19th, 2026 at 2:00 PM

Member Photo

By Ron Kalinoski

Dr. Niladri Kar of Astronomy Club of Akron pauses for a photo with a 145 year-old brass telescope. The curator at Stan Hywet had requested help from Astronomy Club of Akron to determine the condition of the telescope and learn more about how the instrument is operated. The telescope was manufactured by Bardou & Son, Paris (1880).



Editor's Note: More about this telescope later in this issue.

President's Column

By Cathy Loboda

Upcoming ACA Meetings

Mark Your Calendars

The next ACA monthly meeting is scheduled for April 19, 2026 at 2:00pm. Dr. Cyrus Taylor, professor from Case Western University, will present Global Warming. Dr. Taylor, a String Theorist and Particle Accelerator Scientist, will explain how emissions into our atmosphere impact planet Earth. All ACA meetings are held at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Hope to see you on the 19th!

The final meeting before ACA takes a summer hiatus is scheduled for May 17, 2026 at 2:00pm. Jeff Woytach, Space Systems Consulting LLC, will present James Webb Telescope: Looking Back to the Edge of Creation. Jeff Woytach will explain the complexities of the James Webb Telescope and how it is being used to discover history of the earliest times after the creation of the universe.

Club Elections

ACA will elect club officers at the April membership meeting. Please plan on staying for the meeting immediately following the speaker presentation. The slate of officers is noted below.

Editor's note: The slate of officers is listed in Ron Kalinoski's article below.

As noted in the ACA Bylaws, newly elected officers begin their term on May 1st. Please welcome our new Board and wish them well as they take on the responsibilities of guiding ACA into the future! ACA thanks them for volunteering to serve!

Star Parties

Members are continually reminded to keep an eye on their email accounts for star party announcements. Observatory Director Ron Kalinoski sends announcements of upcoming star parties through email and posts on 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 star party from taking place. If you are not on the Star Party email list, please see Ron.

Thank You

As I complete my term as ACA President, I want to give a heartfelt thank you to all who have made these years memorable. It was a pleasure to serve ACA in this small way and I am grateful for the support I received. I cherish the friendships made and will hold on to them for years to come.

Astronomy Club of Akron Board Nominees for Next Term

By Ron Kalinoski

The Nominating Committee is pleased to announce the following members running for Astronomy Club of Akron Board positions. The election will take place at our May meeting.

- President - Diwakar Chandrasekaran
- Vice President - Gary Smith
- Treasurer - Dave Hartsook
- Secretary - Christina Hoehn-Shackelford
- Newsletter Editor - Glenn Cameron,
- Assistant Secretary/Treasurer - Drew Carlson

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



Latest meeting video available on YouTube

By Glenn R. Cameron

2026-03-15 ACA Public Meeting Speaker Patrick Durrell <https://youtu.be/hRSkZrnJfEc>



Meeting Minutes: March 15th, 2026

By Carol Spears

Meeting called to order by Vice President Gary Smith: 3:40 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:

- The club's election slate was presented to members at the member only meeting. President Cathy Loboda and Secretary Carol are stepping down at the end of their terms in April.
- Elections will occur in April, the new 2-year terms begin in May.
- The slate for elections is:
 - President: Diwakar Chandrasekaran.
 - Vice President: Gary Smith

- Treasurer: Dave Hartsook
- Secretary: Christina Hoehn-Shackelford

Editor's note: The updated slate of officers is listed in Ron Kalinoski's article on page 2.

- **Observatory Director Report by Ron Kalinoski:** There were three star parties held recently. Very transparent conditions for good viewing. Excellent views of Jupiter, the group viewed transits on Europa. Good turnout for all of them. Ron received an email from someone organizing around dark sky issues in Ohio. To support public input about how construction protects can go forward with favorable dark sky conditions, look for an email from Ron. A meeting to discuss Ohio dark sky issues will be held virtually.

Member Observations:

- The night of March 6 there was an International Space Stations (ISS) Passover. People also observed the supply ship for returning as a red object in front of the ISS.
- Gary Smith gave a short presentation about Artemis 2 launch scheduled for April 1.

Member Inquiries:

- No member inquiries.

Meeting adjourned by Gary Smith: 4:06 PM

The Astronomy Club of Akron Welcomes New Member

Linda Murphy

We look forward to seeing you in future club events.

**March 2026 ACA Treasurer's Report
By Dave Hartsook
4/3/2026**

Checking Beginning Balance	\$ 2,504.45
Inflows	
Membership Dues (Pro Rated)	\$ 15.00
Total Inflows	<u>\$ 15.00</u>
Outflows	
Annual Insurance Premium	\$ (1,021.00)
Reimburse Observatory Director for refreshments, water at 3.15.26 Meeting	\$ (44.11)
Total Outflows	<u>\$ (1,065.11)</u>
Inflows Less Outflows	\$ (1,050.11)
Checking Ending Balance	<u><u>\$ 1,454.34</u></u>
Savings Beginning Balance	\$ 1,769.42
Interest Income	\$ 0.01
Savings Ending Balance	<u><u>\$ 1,769.43</u></u>
Petty Cash Beginning Balance	\$ 50.00
No Activity	
Petty Cash Ending Balance	\$ 50.00
Grand Total	\$ 3,273.77

Outreach Report

By Ron Kalinoski

We received an e-mail from Stan Hywet Hall & Gardens requesting help in identifying the condition and status of a Bardou & Son - Paris brass telescope (1880). Stan Hywet curator Bailey Yoder would like to have the telescope displayed at one of their exhibits. Niladri Kar and I met with Bailey and Pauline in the Archive Room to view the telescope. Initial inspection showed significant corrosion due to exposure to water over a long period of time. The surface corrosion does not appear to have penetrated inside the telescope and possibly could be removed; however, the restored surface would not match the patina of the undamaged portion of the telescope. Otherwise, the telescope is a work of art with finely machined parts. Niladri and I measured objective diameter and approximate focal length and found them to be 3.25 inch and 60 inches, respectively. The telescope has matching finder scope, internal focuser, and several eyepieces. The telescope does not have a mount or tripod and that is something Bailey wanted to know if we could assist in procuring those pieces. If you have any suggestions or think you might be of assistance, please contact one of the board members.



Stan Hywet Archives Room



Storage case for Bardou & Son Telescope

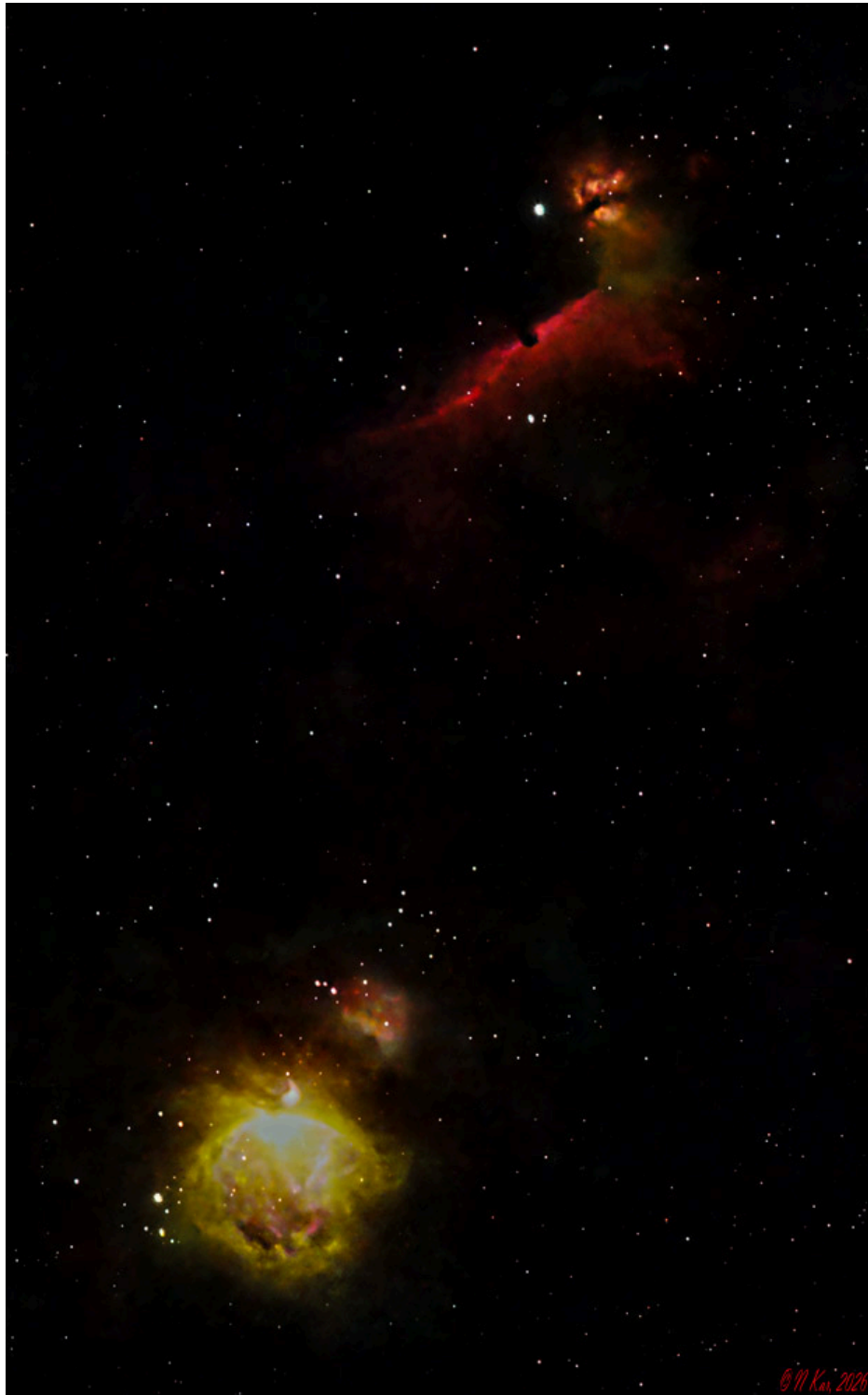
Member Photos - Orion Nebula Region

By Niladri Kar

Object, Location & Time: Orion Nebula Region (Wide Angle); Mar 2026.

Equipment and Imaging: 90mm DSLR Lens, IMX585 Color Camera; about 2.5 hrs of Ha-OIII and OIII-SII NB filter each.

Processing: Stacked and processed in Siril; final adjustment in Darktable.





Astronomy Club of Akron

2026 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. 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

2026 Winter/Spring Schedule:

January 18, 2026 2:00pm

Astronomy Club of Akron Members: John Crilly, Phil Creed, & Ron Kalinoski

Telescope Seminar

Our members will explain the science and operation of optical equipment including binoculars, reflectors, refractors, and catadioptric telescopes. Some classic telescopes will be on display.

February 15, 2026 2:00pm

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

Hertzsprung Russell Diagram

Stars are born, live their lives, and experience death. Gary Kader will explain how data represented on the Hertzsprung Russell Diagram tells us about the lives of stars.

March 15, 2026 2:00pm

Dr. Patrick Durrell, Youngstown State University

Topic to be announced soon. Dr. Durrell is a professor of Physics, Astronomy & Geology at Youngstown State University. He has used the Hubble Space Telescope to research galaxies and globular star clusters.

April 19, 2026 2:00pm

Dr. Cyrus Taylor, Case Western University

Global Warming

Dr. Taylor, a String Theorist and Particle Accelerator Scientist, has now decided to take on an even more challenging role. Dr. Taylor will explain how emissions into our atmosphere impact planet Earth.

May 17, 2026 2:00pm

Jeff Woytach, Space Systems Consulting, LLC

James Webb Telescope: Looking Back to the Edge of Creation

Jeff Woytach will explain the complexities of the James Webb Telescope and how it is being used to discover history of the earliest times after the Creation of the Universe.

*** 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



April Astronomical Events

Date	EST (h:m)	Event
01	21:12	FULL MOON
02	20:32	Spica 1.8°N of Moon
03	18:00	Mercury at Grtst Elong: 27.8°W
06	14:21	Antares 0.6°N of Moon
07	03:32	Moon at Apogee: 404974 km
09	23:52	LAST QUARTER MOON
13	18:43	Moon at Ascending Node
15	19:45	Mars 3.7°S of Moon
17	06:52	NEW MOON
19	01:57	Moon at Perigee: 361631 km
19	03:49	Venus 4.8°S of Moon
19	11:28	Pleiades 1.0°S of Moon
19	14:00	Mars 1.2°N of Saturn
20	05:00	Mercury 0.5°S of Saturn
20	17:00	Mercury 1.7°S of Mars
22	14:00	Lyrid Meteor Shower
22	17:06	Jupiter 3.6°S of Moon
23	03:59	Pollux 3.2°N of Moon
23	21:32	FIRST QUARTER MOON
23	23:17	Venus 3.4°S of Pleiades
25	19:37	Regulus 0.2°S of Moon
26	09:36	Moon at Descending Node
30	03:17	Spica 1.8°N of Moon



May Astronomical Events

Date	EST (h:m)	Event
01	12:23	FULL MOON
03	21:20	Antares 0.5°N of Moon
04	17:30	Moon at Apogee: 405843 km
05	03:00	Eta-Aquarid Meteor Shower
09	16:10	LAST QUARTER MOON
10	23:36	Moon at Ascending Node
14	09:00	Mercury at Superior Conj
14	23:00	Venus at Perihelion
16	15:01	NEW MOON
17	08:48	Moon at Perigee: 358074 km
18	05:00	Mercury at Perihelion
18	20:50	Venus 2.9°S of Moon
20	07:39	Jupiter 3.1°S of Moon
20	11:30	Pollux 3.4°N of Moon
22	11:00	Uranus in Conj with Sun
23	01:41	Regulus 0.0°N of Moon
23	06:11	FIRST QUARTER MOON
23	10:26	Moon at Descending Node
27	09:09	Spica 1.9°N of Moon
31	03:32	Antares 0.4°N of Moon
31	03:45	FULL MOON
31	23:32	Moon at Apogee: 406369 km



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