



# The Night Sky

The Newsletter of  
The Astronomy Club of Akron

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

Volume 47 Number 3

March 2025

## ACA MEETING - Sunday, March 16th, 2025 at 2:00 p.m.

### President's Column

By Cathy Loboda

#### Upcoming Meetings

ACA's next membership meeting is Sunday, March 16th at 2:00 pm. The meeting location is the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Speaker Dr. Donald Terndrup from The Ohio State University will present "Astronomy in the Era of Giant Surveys." The talk will feature the challenges Dr. Terndrup and fellow astronomers face in an upcoming sky survey that seeks understanding of quasars and the evolution of black holes. Hope to see you on the 16th! Meeting refreshments will be provided by Glenn Cameron. Thanks, Glenn!

#### Mark Your Calendars

##### ACA Meeting, April 27, 2025

Speaker: Dr. Cyrus Taylor, Case Western Reserve University

Subject: 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.

##### ACA Meeting, May 18, 2025

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

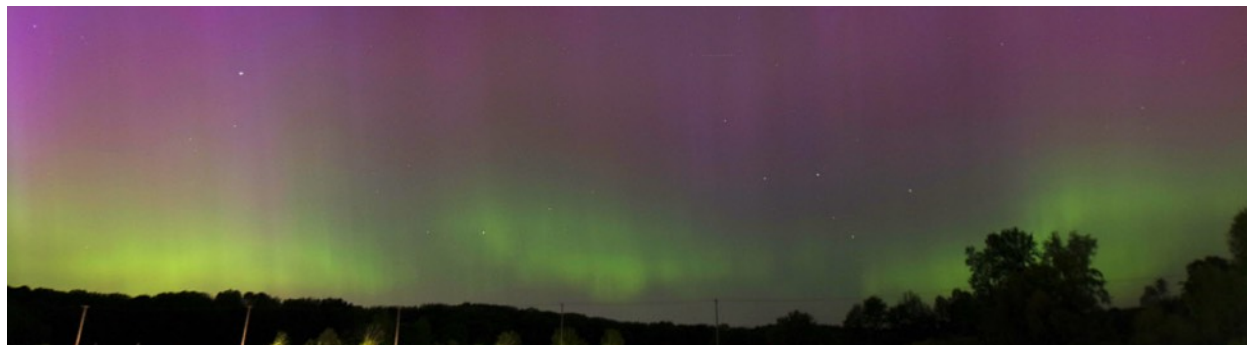
Subject: Cosmic Distance Ladder

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.

#### Correction

In February's *The Night Sky*, the ACA board thanked those who played a role in obtaining the microphone now used by our presenters. An apology goes out to Gary Smith, who was erroneously listed as Ron Smith in the thank you. Sorry for our error, Gary!



## OFFICERS 2024 — 2026

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## Meeting Minutes: January 19th, 2025

### Submitted by Secretary Carol Spears

**Meeting called to order:** By president Cathy Loboda at 3:19 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 reports are presented to members via The Night Sky Newsletter.

There were no additions or corrections to the two reports.

Cathy introduced two guests from the Richland Astronomical Society in Bellville OH, Michael and Delores Malay. They spoke about their club and the Astronomical League, which is a national nonprofit that functions regionally.

Thanks to Earl Rodd for the refreshments for today's meeting.

**Old Business:** The club's membership Winter Social is scheduled to take place at the Galaxy Restaurant, 201 Park Centre Drive, Wadsworth, for the Sunday Buffet on February 2 at noon.

**New Business:** Thanks to Ron Kalinoski, Jim Watson and Gary Smith for the new microphone system for the membership/public meetings. The 2025 activity schedule for the winter/spring is published on the ACA website. Thanks also to Earl Rudd for many recent updates to the ACA website.

#### Observatory Director Report, Ron Kalinoski:

Look in newsletter for updates to the club's resources, such as the updated moon calendar. Weather recently has been not good for star parties.

**Member observations:** There were no member observations.

**Member inquiry:** No member inquiries.

**Meeting adjourned:** President Cathy Loboda adjourned the meeting at 3:46 p.m.



**February 2025 ACA Treasurer's Report**  
**By Dave Hartsook**  
**3/2/2025**

<b>Checking Beginning Balance</b>	<b>\$ 1,373.18</b>
<b>Income</b>	
Membership Dues	\$ 40.00
Donation	\$ 20.00
<b>Total Income</b>	<b>\$ 60.00</b>
<b>Expenses</b>	
Reimburse Secretary for printing expense - 50 copies of Spring 2025 Activity Schedule	\$ (9.71)
Reimburse Observatory Staff Mbr N. Kar for dew heater strips for TV102 telescope	\$ (72.00)
Order additional checks for checking account	\$ (43.77)
<b>Total Expenses</b>	<b>\$ (125.48)</b>
<b>Income Less Expenses and Transfers</b>	<b>\$ (65.48)</b>
<b>Checking Ending Balance</b>	<b>\$ 1,307.70</b>
<b>Savings Beginning Balance</b>	<b>\$ 2,969.18</b>
Interest Income	\$ 0.02
<b>Savings Ending Balance</b>	<b>\$ 2,969.20</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>\$ 4,326.90</b>





# 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](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 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 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](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.

## March Astronomical Events

Date	GMT (h:m)	Event
01	00:40	Moon at Ascending Node
01	16:18	Moon at Perigee: 361967 km
04	09:00	Mercury at Perihelion
05	07:32	Pleiades 0.6°S of Moon
06	11:32	FIRST QUARTER MOON
08	01:00	Mercury at Grtst Elong: 18.2°E
08	19:27	Mars 1.7°S of Moon
09	06:06	Pollux 2.0°N of Moon
12	01:07	Regulus 2.2°S of Moon
12	05:00	Saturn in Conj with Sun
14	01:55	FULL MOON
14	01:59	Total Lunar Eclipse; mag=1.178
14	08:45	Moon at Descending Node
16	14:16	Spica 0.3°N of Moon
17	11:37	Moon at Apogee: 405754 km
19	17:00	Neptune in Conj with Sun
20	04:02	Vernal Equinox
20	10:58	Antares 0.5°N of Moon
22	06:30	LAST QUARTER MOON
22	20:00	Venus at Inferior Conjunction
24	15:00	Mercury at Inferior Conj
28	11:29	Moon at Ascending Node
29	05:47	Partial Solar Eclipse mag=0.938
29	05:58	NEW MOON



## April Astronomical Events

Date	GMT (h:m)	Event
01	15:28	Pleiades 0.6°S of Moon
04	21:15	FIRST QUARTER MOON
05	11:46	Pollux 2.0°N of Moon
05	14:04	Mars 2.2°S of Moon
08	06:51	Regulus 2.2°S of Moon
10	07:00	Mercury 2.1°N of Saturn
10	14:56	Moon at Descending Node
12	19:22	FULL MOON
12	20:39	Spica 0.3°N of Moon
13	17:48	Moon at Apogee: 406295 km
16	17:00	Mars @ Aphelion: 1.66606 AU
16	17:19	Antares 0.4°N of Moon
20	20:36	LAST QUARTER MOON
21	14:00	Mercury at Grtst Elong: 27.4°W
22	08:00	Lyrind Meteor Shower
24	20:21	Venus 2.4°N of Moon
24	21:23	Moon at Ascending Node
24	23:15	Saturn 2.3°S of Moon
25	20:05	Mercury 4.4°S of Moon
27	11:15	Moon at Perigee: 357119 km
27	14:31	NEW MOON
28	14:00	Venus 3.7°N of Saturn
29	01:35	Pleiades 0.5°S of Moon



## Swap-n-Shop

Glenn Cameron

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



## 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](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

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