



# The Night Sky

The Newsletter of  
The Astronomy Club of Akron

www.acaoh.org

April 2024

## ACA MEETING - Sunday, April 21st, 2024 at 2:00 PM

### President's Column

By Cathy Loboda

#### Next ACA Meeting

The next ACA monthly meeting is scheduled for April 21<sup>st</sup> at 2:00 pm. Gary Kader, Lecturer and Director of Burrell Observatory at Baldwin Wallace University, will present "A Short History of Telling Time." All ACA meetings are held at Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Join us for this engaging presentation and discussion. Thank you to Glenn Cameron for providing refreshments this month. Looking forward to seeing you on the 21<sup>st</sup>!

#### Club Elections

ACA will elect club officers at the April membership meeting. Please plan on staying for the membership

meeting immediately following the speaker presentation. The slate of officers is noted below:

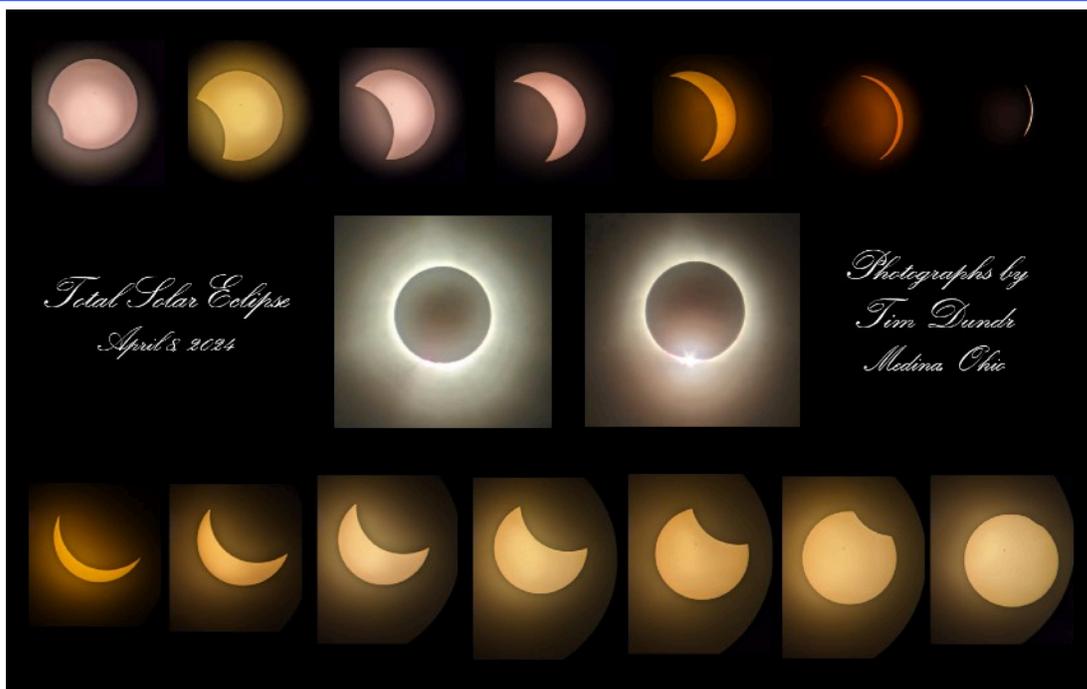
- President: Cathy Loboda
- Vice President: Gary Smith
- Secretary: Carol Spears
- Treasurer: Dave Hartsook
- Assistant Secretary/Treasurer: unfilled
- Newsletter Editor: Glenn Cameron

#### 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

(Continued on page 2)

Eclipse Photos  
by ACA member  
Tim Dunder  
90 mm f10 refractor  
Pixel 7 Pro



## OFFICERS 2022 — 2024

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:

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

Assistant Secretary/Treasurer: Reece Davis

- 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: Jeff Hudson

- 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: Mike Sanders

- E-mail:

Trustee: Katie Adams

- E-mail: [katiemarie1678@gmail.com](mailto:katiemarie1678@gmail.com)

Trustee: position vacant

- E-mail:

Statutory Agent: Mark Kochheiser

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

(President's Column continued)

email and 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.

### A Special Thank You

A heartfelt thank you goes to ACA members who gave time and effort to speak to groups who requested presentations about the Solar Eclipse. We appreciate your volunteerism and the wonderful manner in which you represented ACA.

Earl Rodd

Robert Kinsey

Dean Phillips

Glenn Cameron

Ron Kalinoski

ACA also wants to acknowledge Phil Creed, who graciously permitted ACA to post his solar eclipse material on the ACA website and shared his material with our speakers. Phil has presented a number of engaging programs for ACA and we can't thank him enough for his generosity!

### Solar Eclipse

What an amazing experience to witness a total solar eclipse under Northeast Ohio skies.....in early April, no less! Let's continue the celebration! Come to our April meeting to share your experience no matter where you decided to experience totality. Don't be shy about bringing pictures to share!

Eclipse Photo

by ACA member

Niladri Kar, from mid-west, Ohio

Before Totality: Baily's beads and prominences. Moderate-heavy high clouds

80mm refractor, Thousand Oaks solar filter, Pentax K-70, F8, ISO400, 1/6000



## Meeting Minutes: March 17th, 2024

### Submitted by Cathy Loboda on behalf of Secretary Marnie Sanders

#### Meeting Started:

- The meeting was called to order by President Cathy Loboda.

#### Officers' Reports:

- Vice President Gary Smith: No report.
- The meeting minutes and treasurer reports are presented to members via The Night Sky Newsletter. There were no additions or corrections to the reports.

#### Old Business:

- Solar Eclipse 2024 T-Shirts were distributed to those who ordered them from Carol Zeh.
- ACA members who presented solar eclipse programs for groups who requested one were thanked.

#### New Business:

- Club elections will be held during the April membership meeting. Ron Kalinoski presented the slate of officers.
- Volunteers for refreshments for the April meeting: Glenn Cameron
- Observatory Director Ron Kalinoski reported Impromptu Star Parties have been well attended. He also shared the observatory budget for the upcoming year. The approved budget will support repairs to the west wall of the observatory and a section of the roll-off roof. There will also be an upgrade of the 5" refractor and the purchase of a dew heater for the telescope.

#### Member Observations:

- The fireball on February 21, 2024

#### Meeting Adjourned:

- With no member inquiries, the meeting was adjourned.

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## 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 2:00pm.

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

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

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## Member Meeting Video

### By Glenn R. Cameron

The video of Ron Kalinoski's talk on 2024-03-17 is available on YouTube at this link.

[https://youtu.be/\\_YtKeBkLttg?si=hgQ5BQh\\_XdaWaPcD](https://youtu.be/_YtKeBkLttg?si=hgQ5BQh_XdaWaPcD)

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## New Members

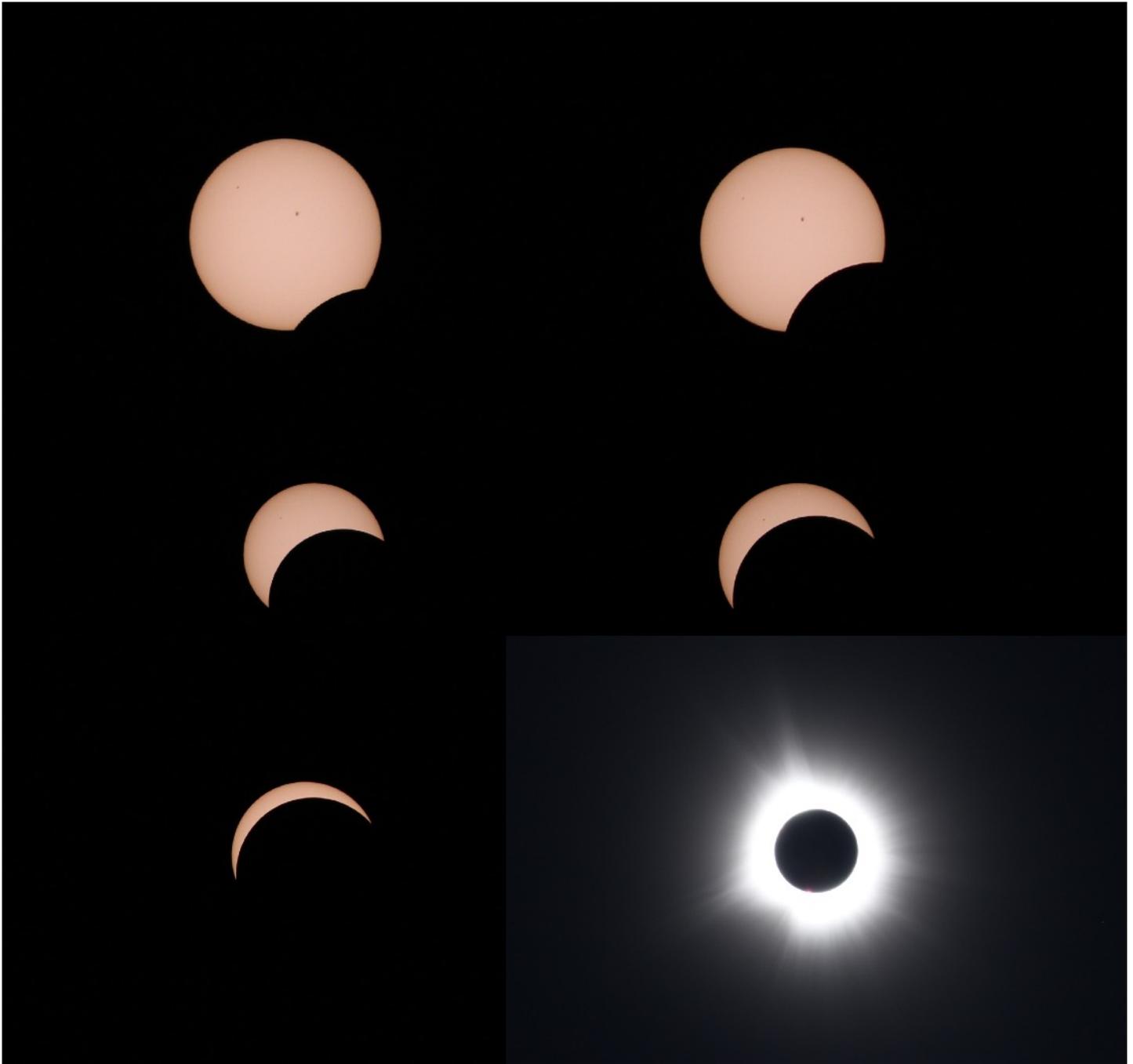
ACA extends a warm welcome to the following new members: Susan Burton Lowry, Koby Beard

ACA thanks you for your membership and interest in our club! We look forward to seeing you at future club events!

## Outreach Photos

On March 11th, Dave Hartsook and Ron Kalinoski hosted a star party for the Boy Scouts of Troop 118 out of New Franklin, Ohio. The star party started with a slideshow presentation on Astronomy followed by viewing Jupiter, the Moon, and many star clusters through the telescopes. Dave Hartsook is shown aligning the 8-inch Dobsonian on the Moon for the scouts to view.



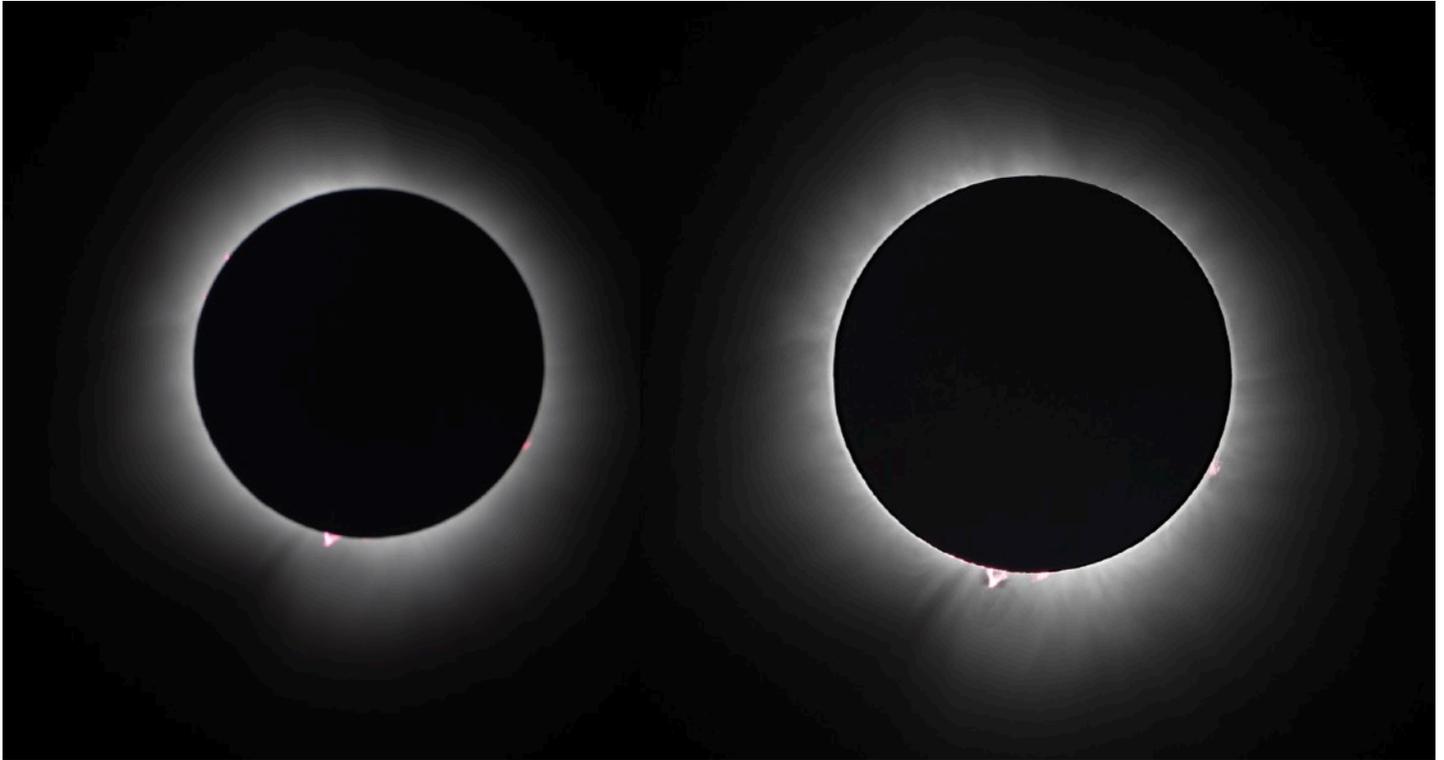


Eclipse Photos  
by ACA member  
Ron Kalinoski  
from Eustis, Maine  
Canon T4i Rebel  
250mm lens



Eclipse Photos by ACA member Dean Philips, from Waldo, Ohio

Sony a7r4 w/ 200-600 mm lens



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Eclipse Photo by ACA member James Guilford, from Medina, Ohio

Askar 103 APO, Canon EOS 5D Mk. 4, 1/1500 second. Casual observers noticed the brilliant prominence at the 6 o'clock position, asking about it.



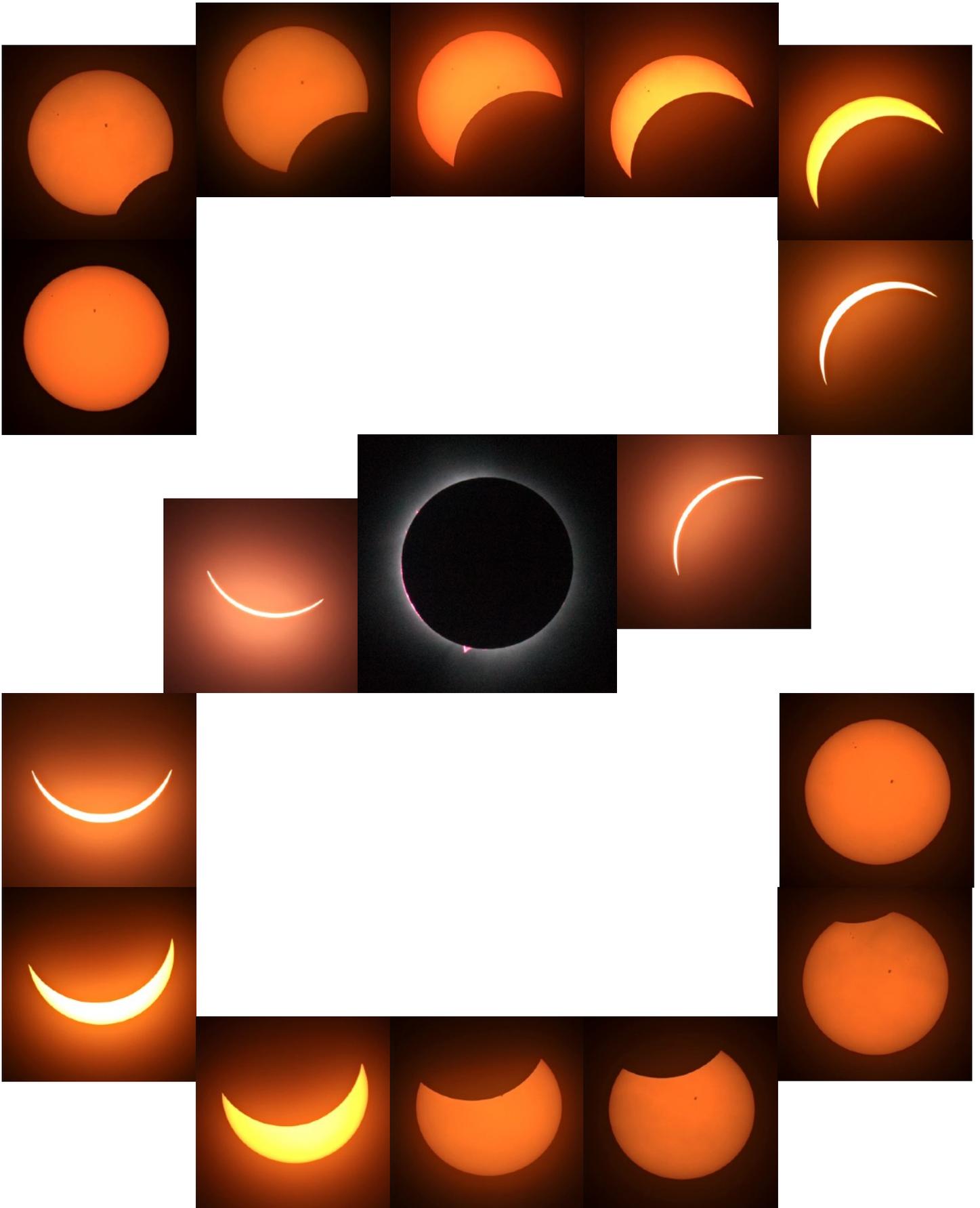
Eclipse Photos by ACA member Tom Alexander

Meade ETX 90 w/ solar filter, 30mm Orion Ultrascopic eyepiece



Eclipse Photos by ACA member Glenn Cameron, from Massillon, Ohio

Partials imaged w/ ZWO Seestar S50, totality imaged w/ Sony A7 II, 400mm lens



**March 2024 ACA Treasurer's Report**  
**By Dave Hartsook**  
**4/2/2024**

|  |                          |
|--|--------------------------|
| <b>Checking Beginning Balance</b>                      | <b>\$2,449.73</b>        |
| <b>Income</b>  |                          |
| Membership Dues Received (Pro Rated)                   | \$35.00                  |
| Donations  | 110.00                   |
| PayPal Net Fee/Charge                                  | 0.20                     |
| <b>Total Income</b>                                    | <u>\$145.20</u>          |
| <b>Expenses</b>  |                          |
| Annual Insurance Premium                               | \$ (764.00)              |
| Reimburse Treasurer for coffee at March ACA Meeting on | \$ (41.98)               |
| <b>Total Expenses</b>                                  | <u>\$ (805.98)</u>       |
| <b>Income Less Expenses</b>                            | \$ (660.78)              |
| <b>Checking Ending Balance</b>                         | <u><u>\$1,788.95</u></u> |
| <b>Savings Beginning Balance</b>                       |                          |
| <b>Savings Beginning Balance</b>                       | <b>\$1,968.97</b>        |
| Interest Income  | \$0.02                   |
| <b>Savings Ending Balance</b>                          | <u><u>\$1,968.99</u></u> |
| <b>Petty Cash Beginning Balance</b>                    |                          |
| <b>Petty Cash Beginning Balance</b>                    | <b>\$50.00</b>           |
| No Activity  |                          |
| <b>Petty Cash Ending Balance</b>                       | <u><u>\$50.00</u></u>    |
| <b>Grand Total</b>                                     | <u><u>\$3,807.94</u></u> |

## April Astronomical Events

| Date | GMT (h:m) | Event                          |
|------|-----------|--------------------------------|
| 02   | 03:15     | LAST QUARTER MOON              |
| 06   | 03:51     | Mars 2.0°N of Moon             |
| 06   | 09:20     | Saturn 1.2°N of Moon: Occn.    |
| 07   | 16:39     | Venus 0.4°S of Moon: Occn.     |
| 07   | 17:53     | Moon at Perigee: 358850 km     |
| 08   | 12:20     | Moon at Ascending Node         |
| 08   | 18:17     | Total Solar Eclipse; mag=1.057 |
| 08   | 18:21     | NEW MOON                       |
| 10   | 19:00     | Mars 0.4°N of Saturn           |
| 10   | 21:08     | Jupiter 4.0°S of Moon          |
| 11   | 12:38     | Pleiades 0.4°N of Moon         |
| 11   | 23:00     | Mercury at Inferior Conj       |
| 15   | 13:47     | Pollux 1.5°N of Moon           |
| 15   | 19:13     | FIRST QUARTER MOON             |
| 18   | 11:14     | Regulus 3.6°S of Moon          |
| 20   | 02:09     | Moon at Apogee: 405625 km      |
| 22   | 07:00     | Lyrid Meteor Shower            |
| 22   | 10:45     | Moon at Descending Node        |
| 23   | 02:02     | Spica 1.5°S of Moon            |
| 23   | 23:49     | FULL MOON                      |
| 26   | 20:00     | Antares 0.3°S of Moon          |

## May Astronomical Events

| Date | GMT (h:m) | Event                           |
|------|-----------|---------------------------------|
| 01   | 11:27     | LAST QUARTER MOON               |
| 03   | 22:26     | Saturn 0.8°N of Moon: Occn.     |
| 04   | 20:00     | Eta-Aquarid Meteor Shower       |
| 05   | 02:26     | Mars 0.2°S of Moon: Occn.       |
| 05   | 21:54     | Moon at Ascending Node          |
| 05   | 22:11     | Moon at Perigee: 363166 km      |
| 06   | 08:25     | Mercury 3.8°S of Moon           |
| 08   | 03:22     | NEW MOON                        |
| 08   | 11:00     | Mars@Perihel 1.38150 AU         |
| 09   | 21:00     | Mercury at Grtst Elong: 26.4°W  |
| 12   | 22:17     | Pollux 1.6°N of Moon            |
| 13   | 11:00     | Uranus in Conj with Sun         |
| 15   | 11:48     | FIRST QUARTER MOON              |
| 15   | 18:43     | Regulus 3.5°S of Moon           |
| 17   | 19:00     | Moon at Apogee: 404641 km       |
| 18   | 18:00     | Jupiter in Conjunction with Sun |
| 19   | 16:35     | Moon at Descending Node         |
| 20   | 09:20     | Spica 1.4°S of Moon             |
| 23   | 13:53     | FULL MOON                       |
| 24   | 02:31     | Antares 0.4°S of Moon           |
| 30   | 17:13     | LAST QUARTER MOON               |
| 31   | 08:01     | Saturn 0.4°N of Moon: Occn.     |





# 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](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 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](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).

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

#### **Meeting Place: Kiwanis Building**

#### **2024 Schedule:**

**January 21, 2024 2:00pm**

**Dr. Geoffrey Landis**

**NASA Glenn Research Center, Aerospace Engineer and Science Fiction Author**

**Sample Return from Titan Mission**

Lecture covers the plans for a spacecraft to land on Saturn's Moon Titan and return a sample back to Earth. This is Out of This World Engineering!

**February 18, 2024 2:00pm**

**Dr. Jeffrey Woytach**

**NASA Glenn Research Center, Aerospace Engineer**

**Artemis Program, Return to the Moon**

Lecture covers NASA's plans for Humans to return to the Moon and have a permanent presence there.

**March 17, 2024 2:00pm**

**Ron Kalinoski**

**McKinley Museum, Planetarian**

**Mirror Grinding – How to Make Your Own Telescope Mirror**

Lecture covers rough grinding, fine grinding, polishing, correction to paraboloid, and mirror testing.

**April 21, 2024 2:00pm**

**Gary Kader**

**Baldwin Wallace University, Director of Burrell Observatory and Lecturer**

**A Short History of Telling Time**

Lecture covers how we tell time; including solar time, civil time, universal time, and coordinated time. It's a lot more complicated than you might think.

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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.

## 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
- 12V car battery power cable
- Aluminum Hard Case
- iOptron Star Knobs
- iOptron MiniPier
- iOptron PowerWeight CW Battery with:
  - Model FY1441500 Battery Charger
- Tripod (I don't know what model it is but it was included from the seller when I bought it. I think it's an older iOptron tripod. The legs are 1.5" diameter. It seems like a cross between the iOptron SmartStar-A AZ/EQ and one of their field tripods.)

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.

\$1,000.00



## 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



# ***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)