



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

October 2023

ACA MEETING - Saturday, October 14th, 2023 at 2:00 PM

President's Column

By Cathy Loboda

Next ACA Monthly Meeting Scheduled for SATURDAY, October 14, 2023

Please note that ACA's next membership meeting is scheduled for Saturday, October 14th at 2:00 pm. This deviation from our normal Sunday meeting date is due to our speaker's preference since he is traveling from Columbus to present to us. Also, weather permitting, observatory director Ron Kalinoski plans to set up on site a telescope with appropriate filters for members to view the annular solar eclipse.

This month's speaker is OSU Professor Don Terndrup. Professor Terndrup is an observational astronomer focused on the characterization of stars and stellar systems, with an emphasis on their abundances and rotation rates. He is known for his work on the structure and stellar population of the Galactic bulge, the angular momentum of low-mass stars, the distances to open

clusters, and the structure of spiral galaxies. His recent work focuses on the physics of quasar winds and their impact on galaxy evolution. Professor Terndrup joined the Ohio State faculty in 1990 and he also served as the Program Director in the Division of Astronomical Sciences at the National Science Foundation from 2008 to 2012. Currently, he is serving as the co-chair of Graduate Admissions for the Department of Astronomy. His presentation entitled "What Can Be Expected When We Find Life On Other Planets?" promises to be intriguing. Please join us for this special event! ACA meetings are held at the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron.

Membership Renewal

Just a reminder that membership fees were due for the upcoming year in September. However, it is not too late to renew your membership! You can bring your dues to the October meeting or 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
Dues are: • \$30.00 per year for an Adult Membership (age 18 and over) • \$15.00 per year for Juniors (age 12 to 17) • \$15.00 per year for each Additional Member (with an Adult Membership) • \$40.00 per year for a Family Membership (usually the lowest total cost of the available options) Membership pays for observatory maintenance and insurance, speakers gratuity, membership picnic entrees, pavilion fees, and any costs incurred in support of our outreach programs. Your membership is needed and much appreciated! Thanks for renewing!

2024 ACA Elections

Terms for many ACA Board positions will expire in the upcoming year. If you are interested in serving on the ACA Board in some capacity, please contact Ron Kalinoski. Ron has agreed to be the point person in framing a slate of officers to present to membership for the 2024 spring election.

Solar Eclipse T-Shirts

The Hoover Price Planetarium in Canton is offering ACA members an opportunity to place orders for their 2024 Solar Eclipse T-Shirts. The cost per t-shirt is \$15.00 payable by cash or check. Orders can be placed after membership meetings.

Refreshment Volunteers Needed

Refreshments at ACA meetings give members an opportunity to socialize over coffee and a treat while waiting for presentations to begin. Volunteers are needed to provide the refreshments if ACA will continue to offer

members more than coffee at our meetings. Please consider volunteering to support this effort. See President Cathy Loboda to sign up for a month that is convenient for you.

Observatory Maintenance Day

A heartfelt thank you goes out to Amy and Gary Ciesielczyk, Ed Kotapish, Stuart Clary, and Ron Kalinoski for their time and efforts on Observatory Maintenance Day, September 25. The weather cooperated and all items on the maintenance list were successfully completed!

New Member Welcome

ACA extends a warm welcome to new members Andrew Evans, Earl Rodd, Carol Zeh, and Jayne Lutz & Family. ACA thank you for your membership and interest in our club! We look forward to seeing you at future club events!



Meeting Minutes : September 17, 2023 - Submitted by Cathy Loboda on behalf of Secretary Marnie Sanders

**Meeting was called to order by
President Cathy Loboda.**

Officers' Reports:

Vice President Gary Smith reported the importance of emphasizing the October meeting is held on Saturday October 14th, which is a deviation from our regular Sunday meetings. This will be brought to the attention of members and the public through email and advertisements. Gary added it may be a good idea to put the day before listed dates of all our meetings. 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:

The ACA membership picnic was enhanced by beautiful weather. All in attendance enjoyed good food and fellowship.

The ACA website is running well. Observatory Director Ron Kalinoski noted that Earl designed a shortcut for Ron to manage Impromptu Star Parties. Ron shared his appreciation since this makes communication efficient. Trustee Katie Adams shared changes made to Facebook. She is still unable to update the ACA Instagram account since she has yet to gain administrator status. Katie also reported that she has been distributing ACA meeting flyers to local libraries. Treasurer Dave Hartsook added he reached out to the South Side News Leader and they are willing to place our

meetings in their community events column.

New Business:

Volunteers are needed for meeting refreshments. Please contact President Cathy Loboda if interested in volunteering.

Solar Eclipse 2024 T-Shirts are being sold by the Canton Hoover Price Planetarium. Orders will be taken after ACA meetings.

Observatory Director Ron Kalinoski reported there will be an observatory maintenance day in the near future. He also reported Impromptu Star Parties have been well attended. Ron is planning to offer a free program for ACA members at the Hoover Price Planetarium in Canton on Saturday, September 30th at 9:30 am. More details will follow.

With no member observations or inquiries, the meeting was adjourned.

OFFICERS 2022 — 2024

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:

- E-mail: secretary@acaoh.org

Assistant Secretary/Treasurer: Reece Davis

- 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



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



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



Observatory Report

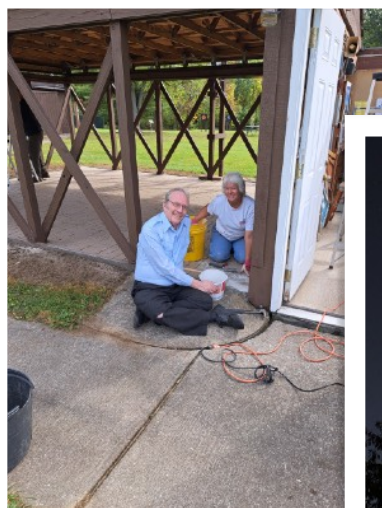
By Ron Kalinoski

For September, we had star parties on the 1st, 15th, and 30th. Each star party had very good public turnout with standing room only in the observatory, as Saturn was the featured celestial object for each event. Many telescopes were set up on the observatory grounds, including youngsters setting up our 8-inch Dobsonian. On the 15th and 30th, we set up the 5-inch refractor to view Saturn, the Coathanger star cluster, and the Moon. On September 30th, the Moon was one day past Full. We usually don't view the Moon in this phase, however, there was some interesting craters to see. Russell and Schickard craters are partially filled with lava, giving a beautiful contrast in surface detail within the crater. Thanks to Dave Hartsook and Niladri Kar for set up and operation of the 5-inch refractor.

On September 25th, we had a very successful maintenance day at the observatory. We worked

for five hours and completed everything on the maintenance list. The observatory and grounds look beautiful. Thanks to Ed Kotapish, Stuart Clary, and Amy & Gary Ciesielczyk for getting our observatory looking so good! Here is a list of what we accomplished:

1. Clean Observatory
2. Repair Double Door Threshold
3. Fill sidewalk gaps at double door and main entrance with pea gravel.
4. Pull weeds
5. Fix molding on southwest part of observatory building.
6. Repair T-111 paneling.
7. Repair Roof latches.
8. Stain baseboard east side of observatory building.
9. Stain southwest corner of privy.
10. Stain top of roof roll-off structure.



September 2023 ACA Treasurer's Report
By Dave Hartsook
10/3/2023

Checking Beginning Balance	\$1,403.92
Income	
Membership Dues Received	\$625.00
PayPal Net Fee/Charge	\$0.06
Total Income	<u>\$625.06</u>
Expenses	
Speaker Honorarium paid at September stated meeting	-\$50.00
Total Expenses	<u>-\$50.00</u>
Income Less Expenses	\$575.06
Checking Ending Balance	<u><u>\$1,978.98</u></u>
Savings Beginning Balance	\$1,968.88
Interest Income	\$0.01
Savings Ending Balance	<u><u>\$1,968.89</u></u>
Petty Cash Beginning Balance	\$50.00
No Activity	
Petty Cash Ending Balance	\$50.00
Grand Total	\$3,997.87

October Astronomical Events

Date	EST (h:m)	Event
02	3:16	Jupiter 3.4°S of Moon
03	4:25	Pleiades 1.1°N of Moon
06	3:48	LAST QUARTER MOON
07	0:23	Pollux 1.4°N of Moon
09	6:08	Venus 2.3°S of Regulus
10	3:41	Moon at Apogee: 405426 km
10	8:41	Regulus 4.2°S of Moon
14	7:55	NEW MOON
14	7:59	Annular Solar Eclps; mag=0.952
15	1:11	Moon at Descending Node
18	3:17	Antares 0.9°S of Moon
20	5:00	Mercury at Superior Conj
22	0:00	Orionid Meteor Shower
22	3:29	FIRST QUARTER MOON
23	2:00	Venus at Grtst Elong: 46.4°W
24	7:52	Saturn 2.8°N of Moon
26	2:53	Moon at Perigee: 364873 km
28	3:14	Moon at Ascending Node
28	0:14	Partial Lunar Eclps; mag=0.122
28	0:24	FULL MOON
29	8:10	Jupiter 3.1°S of Moon
30	4:30	Pleiades 1.1°N of Moon
31	01:35	FULL MOON



November Astronomical Events

Date	EST (h:m)	Event
03	4:00	Jupiter at Opposition
03	8:31	Pollux 1.4°N of Moon
05	8:37	LAST QUARTER MOON
06	0:00	S Taurid Meteor Shower
06	6:19	Regulus 4.2°S of Moon
06	1:49	Moon at Apogee: 404569 km
09	9:28	Venus 1.0°S of Moon: Occn.
11	5:09	Spica 2.4°S of Moon
11	8:49	Moon at Descending Node
13	0:00	N Taurid Meteor Shower
13	9:27	NEW MOON
13	8:00	Uranus at Opposition
14	9:42	Antares 0.9°S of Moon
16	1:17	Mercury 2.5°N of Antares
18	5:00	Mars in Conjunction with Sun
18	6:00	Leonid Meteor Shower
20	0:50	FIRST QUARTER MOON
20	4:02	Saturn 2.7°N of Moon
21	1:03	Moon at Perigee: 369824 km
24	1:02	Moon at Ascending Node
25	1:10	Jupiter 2.8°S of Moon
27	0:02	Pleiades 1.1°N of Moon
27	9:16	FULL MOON
28	9:00	Venus at Perihelion
29	0:27	Venus 3.9°N of Spica



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c/o Glenn R. Cameron, Editor