



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

March 2023

ACA MEETING - Sunday, March 19th, 2023 at 2:00 PM

President's Column

By Cathy Loboda

Next ACA Monthly Meeting

ACA's next membership meeting is Sunday, March 19th at 2:00 pm. The meeting location is the Portage Lakes Kiwanis Civic Center, 725 Portage Lakes Drive, Akron. Speaker Jay Reynolds of Cleveland State University will present "The Science of Climate Change." Jay is known for his expertise in the field of astronomy and has given engaging presentations for ACA for many years. We look forward to seeing you on the 19th!

Mark Your Calendars!

Members mark your calendars and plan to attend the April ACA meeting on April 30. Jodi and Roy McCullough of Mahoning Valley Astronomical Society: will present "Spectra: A Valuable Tool for Astronomy." Jody and Roy have been popular presenters for ACA and always deliver exceptional presentations. Please note the change from the normally scheduled 3rd Sunday and plan on attending April 30th!

Camp Ed Bear is Back!

ACA Board members have not heard commitments from any members concerning this year's Camp Ed Bear. Camp Ed Bear is returning this year after a hiatus due to the pandemic and Director Doug Palmer emailed asking if ACA will participate as we have in the past. The camp is sponsored by Akron Children's Hospital for its cancer patients and will be in session June 2-4. ACA members are asked to set up our telescopes on Friday, June 2nd, weather permitting. Camp Ed Bear has been a service tradition for ACA and is a fulfilling experience for young cancer patients who attend. If you are interested in organizing ACA members to continue this tradition, or are willing to set up your telescope for the event, please contact President Cathy Loboda or Secretary Marnie Sanders as soon as possible.

New Member Welcome

ACA extends a warm welcome to new member Bob Kinsey. ACA thanks you for your membership and interest in our club! We look forward to seeing you at future club events!

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: Marnie Sanders

• 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

OTAA Representative: Lou Poda

• E-mail:

Announcement from the director of Burrell Memorial Observatory, Gary Kader

Hi Everyone, our next Burrell Observatory open house is scheduled for Friday March 17, 2023, at 7:30PM. Jeffrey Woytach, an engineer at NASA Glenn, will present a lecture on the James Webb Telescope. Not only were the engineering challenges far beyond that of Hubble, but also its location in space precludes any chance at a service mission. As the largest optical telescope in space, its high resolution and sensitivity allow it to view objects too old, distant, or faint for the Hubble Space Telescope.

The lecture will be presented in the Main Stage Theater located in the Kleist Center for Art and Drama.

After the lecture, the Burrell Observatory will be open for viewing, weather permitting.

This is a free lecture, however donations to help offset the costs are always appreciated. Tickets are required and can be obtained online at www.bw.edu/tickets (click on the Conservatory Theater link), in person at the Kleist Center box office Monday-Friday, 12:00-5:00, or by phone at (440) 826-2240. The Kleist Center is located at 95 E Bagley Rd on the North side of Bagley Rd. at the corner of Beech Street. The entrance is on Beech Street. Parking is available along Beech Street and behind the Kleist Center. Hope You can make it.

Gary Kader

Director Burrell Memorial Observatory

Baldwin Wallace University

gkader@bw.edu

ACA Minutes For Membership Meeting, 2 PM, January 16th, 2023

By Marnie Sanders

ACA Minutes for Membership Meeting, 2 pm, February 19th, 2023

Speakers Presentation

Gary Kader presented a fascinating program on "Seeing Double: Observing Double Stars for Fun and Science". During Q&A we also learned how his leadership at Baldwin Wallace has yielded fascinating programs with up to 500 in the audiences! We hope to organize a field trip to one in the near future! Thanks Gary!!

Business Meeting called to order 3:20 pm

Minutes of January were published in the January 2023 Newsletter: approved as published.

Treasurer's reports were published in the January 2023 Newsletter: approved as published.

Website problems still in progress with Glenn, Jeff, and others still working on resolving issues with mail list and postings.

Still one more Trustee to be named, encourage someone to contact Cathy asap!

Thanks new trustee, Katie Adams, for bringing refreshments today and for the March meeting!

A guest donated a telescope: Ron will examine.

Observatory report:

- Ron and 30+star party attendees observed bright Jupiter and Venus, Great Orion Nebula, and open cluster M37 at the star party on Feb 11. Terrific crowd and enthusiasm! THANKS RON!
- On Jan 30th Ron presented to Hudson #777 Scouts
- Ron noted website difficulties were negative impacts on star party notices
- Ron and Glenn will communicate with Mahoning Valley re: notices AND they will work on Star party notices improvements

Observations: Niladri viewed the comet and will submit photos; Gary observed Mars.

Other: Glenn will donate a laptop and some tablets soon. Glenn plans to set up a Zoom hybrid meeting soon. AND he is working on You-tube recordings of meetings/lectures. YAY GLENN!

New Trustee Katie Adams will work on FB improvements. THANKS KATIE!

Meeting adjourned 4:10 pm

Marnie Sanders, Secretary

<p align="center">February 2023 ACA Treasurer's Report By Dave Hartsook 3/2/2023</p>

Checking Beginning Balance	\$1,941.25
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Income	
Membership Dues Received (1 NEW Adult pro-rated)	\$22.50

Total Income	<u>\$22.50</u>
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Expenses	
Speaker Honorarium paid at February stated meeting	-\$50.00

Total Expenses	<u>-\$50.00</u>
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Income Less Expenses	-\$27.50
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Checking Ending Balance	<u><u>\$1,913.75</u></u>
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Savings Beginning Balance	\$3,768.69
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Interest Income	\$0.03
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Savings Ending Balance	<u><u>\$3,768.72</u></u>
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Petty Cash Beginning Balance	\$50.00
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No Activity

Petty Cash Ending Balance	<u><u>\$50.00</u></u>
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Grand Total	<u><u>\$5,732.47</u></u>
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Swap-n-Shop

Freddy Huffman

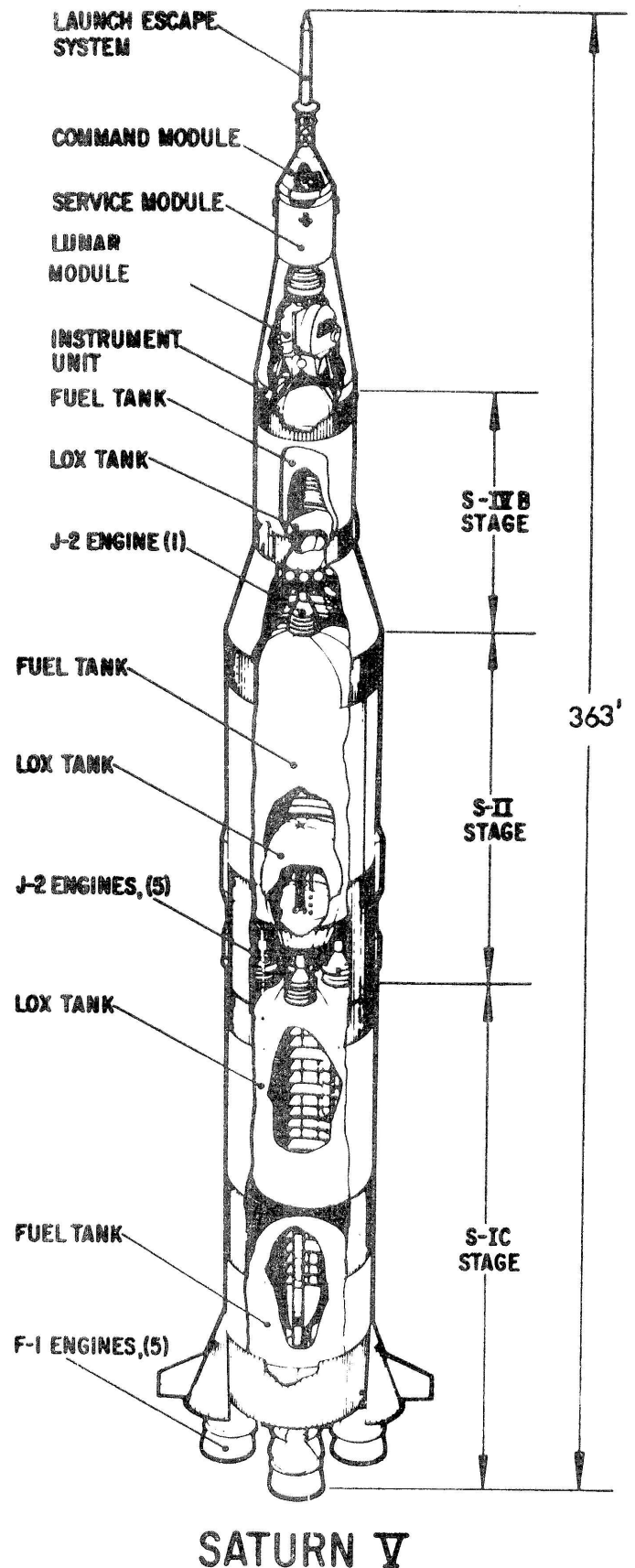
Phone: 330-535-8009

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,



Blast From Marches Past

By Glenn Cameron

On March 16, 2013, the ACA had an outreach event at the downtown Akron Public Library. These are fun get togethers. We get all kinds of questions from all kinds of curious library patrons. It's also nice to see each other in the daylight with our various telescopes.



March Astronomical Events

Date	EST (h:m)	Event
02	04:00	Venus 0.5°N of Jupiter
03	02:10	Pollux 1.7°N of Moon
03	18:01	Moon at Apogee: 405890 km
06	00:08	Regulus 4.5°S of Moon
07	12:40	FULL MOON
10	10:06	Spica 3.4°S of Moon
11	08:53	Moon at Descending Node
14	00:21	Antares 1.6°S of Moon
15	02:08	LAST QUARTER MOON
15	23:00	Neptune in Conj. with Sun
17	11:00	Mercury at Superior Conj.
19	15:16	Moon at Perigee: 362698 km
19	15:20	Saturn 3.6°N of Moon
20	21:25	Vernal Equinox
21	17:23	NEW MOON
22	19:54	Jupiter 0.5°N of Moon: Occn.
24	02:08	Moon at Ascending Node
24	10:28	Venus 0.1°N of Moon: Occn.
25	23:42	Pleiades 1.9°N of Moon
28	13:16	Mars 2.3°S of Moon
29	02:32	FIRST QUARTER MOON
30	09:23	Pollux 1.6°N of Moon
31	11:18	Moon at Apogee: 404921 km
31	20:00	Mercury at Perihelion



April Astronomical Events

Date	EST (h:m)	Event
06	04:35	FULL MOON
06	16:45	Spica 3.3°S of Moon
07	13:51	Moon at Descending Node
10	05:50	Antares 1.5°S of Moon
11	04:42	Venus 2.5°S of Pleiades
11	21:00	Jupiter in Conjunction with Sun
11	22:00	Mercury at Grtst Elong: 19.5°E
13	09:11	LAST QUARTER MOON
16	02:22	Moon at Perigee: 367967 km
16	03:47	Saturn 3.5°N of Moon
17	16:00	Venus at Perihelion
20	04:12	NEW MOON
20	04:17	Hybrid Solar Eclipse mag=1.013
20	11:32	Moon at Ascending Node
22	09:14	Pleiades 1.9°N of Moon
23	01:00	Lyrid Meteor Shower
23	13:03	Venus 1.3°S of Moon
26	02:18	Mars 3.2°S of Moon
26	17:26	Pollux 1.5°N of Moon
27	21:20	FIRST QUARTER MOON
28	06:43	Moon at Apogee: 404300 km



By Ed Kotapish

One of the resources I found was Hartmut Frommert's Messier Marathon webpage (link below). In particular was a graph from a study by Tom Polakis that showed the possible dates for a successful marathon based on latitude. Tom used the following criteria for creating his graph: the marathon occurs between evening and morning Nautical twilight (Sun at -12 degrees altitude), M74 cannot be observed less than 5 degrees above the horizon, and M30 has to be at least 2 degrees above the horizon.

[illegible]

Before you give up running the marathon, especially us in NE Ohio where object availability is the least of our worries, remember, no time spent at the scope is wasted time! Have fun with it. At some point, as now, I attempted the marathon from memory (no list or maps). It throws a nice little chink into the event and it has made hunting the Messier's the rest of the year a whole lot easier. Besides, nothing is more exciting than remembering a missed object and trying to nab it before it sets.

<http://www.messier.seds.org/xtra/marathon/mm2023.html>

Photo Submissions

By Niladri Kar

A composite of pics taken in 2020-2021 from CLE B8 suburb.

- 80 mm Refractor and DSLR
- PMC-Eight ASCOM GoTo Mount (controlled by Cartes du Ciel)
- Autoguided with a guide scope (controlled by PHD2)
- 1-3 min exp, total ~ 1.5 hrs (with NINA)
- Stacked (with Deep Sky Stacker)
- Processed (with Astro Pixel Processor and PS)
- combine-RGB-UHC-image



I took this PIC as a test of my new 'birding' lens.

- Moon 02-24-23
- 300mm
- 2x tc 10 exp
- regstax_PS



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c/o Glenn R. Cameron, Editor