

## Vice President's Message

by Karl Adlon

Reminder: This Sunday, the 5<sup>th</sup>, is the May Meeting, including Gastronomy! It is not the usual 2<sup>nd</sup> Sunday, which I expect you will spend celebrating Mothers' Day.

May 18<sup>th</sup> is our next Public Observing session at Carolina Beach State Park. Maybe we'll have more than the usual number of visitor following last month's State Wide Star Party – see page 4 for a report.

The July 14<sup>th</sup> Meeting does not yet have a Presentation, so you might think about doing one on that date.

See the blue highlighted dates on the next page's Calendar? Those are observing opportunities if skies are clear and there are many of them. And, of course, pop-up observing sessions are also possible. Most of these opportunities are at our club observing site, "Starfields", and I hope we all can get out there under clear dark skies.

What's new? A nova would be new. See the next to last page for information from the Astronomical League about an upcoming nova in the T Coronae Borealis system. See <a href="https://en.wikipedia.org/wiki/T\_Coronae\_Borealis">https://en.wikipedia.org/wiki/T\_Coronae\_Borealis</a> for more information about this double star system.

Safety Fast!

# Calendar

### May 2024

### Date – Event – Time

- 01 Last Quarter Moon
- 03 Club Observing @ Starfields (the Club Observatory); 7:00 PM; 3<sup>rd</sup> Quarter Moon
- 04 Club Observing @ Starfields (the Club Observatory); 7:00 PM; 3<sup>rd</sup> Quarter Moon
- 05 Eta Aquarid Meteor Shower; ZHR 50; Waning crescent
- 05 Moon-Mars-Saturn; Waning Crescent moon near Mars and Saturn: morning

05 ★ Cape Fear Astro Monthly Meeting ★ GAStronomy Meeting Sunday, February 9, 5:00pm – 6:45pm (Dinner, prior to the Monthly Meeting) bdobo Mongolian grill 419 College Rd.

### CFAS Monthly Meeting 7:00pm – 9:00pm - 212 DeLoach Hall; UNCW Also simulcast via Zoom

- 06 Moon and Mercury; Waning Crescent moon near Mercury: morning
- 07 New Moon
- 09 Mercury at greatest western elongation (morning)
- 10 Club Observing @ Starfields (the Club Observatory); 7 PM; New Moon
- 11 Club Observing @ Starfields (the Club Observatory); 7 PM; New Moon
- 15 First Quarter Moon
- 18 Public Observing @ Carolina Beach State Park, can start observing the Moon about 7 PM
- 23 Full Moon
- 30 Last Quarter Moon
- 31 Moon and Saturn, Last Quarter Moon near Saturn: morning
- 31 Club Observing @ Starfields (the Club Observatory); 7:00 PM; 3<sup>rd</sup> Quarter Moon

#### 2024 Public Events

- May 18 CBSP; park closes 10 PM
- June 15 CBSP; park closes 10 PM
- July 13 CBSP; park closes 10 PM
- Aug 10 CBSP; park closes 10 PM
- Sep 14 CBSP; park closes 10 PM
- Sept. 14 International Observe the Moon Night

Oct 12 - CBSP; park closes 9 PM

**CBSP = Carolina Beach State Park** 

#### 2024 Monthly Meeting Dates

May 5 - Mitchell Torlkelson and Jessie Townsend from UNCW on SeaHawk/HawkEye science and related work

Jun. 9 - Field Trip to Ingram Planetarium

Jul. 14 -

Aug. 11 - Kristin Hendershot (The Astro Ranger) will give a presentation on "Women in Astronomy".

Sep. 8, Oct. 13,

Nov. 10, Dec. 8

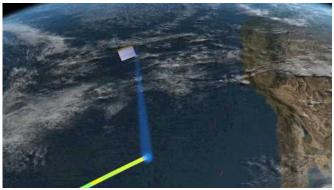
Astro phenomena from: https://www.universalworkshop.com/astrono mical-calendar-any-year/

## **May Monthly Meeting Presentation**

Did you know that a UNCW Team built a CubeSat that is in orbit?

Mitchell Torlkelson and Jessie Townsend will talk about the SeaHawk-1 CubeSat with a HawkEye Ocean Color Sensor and the data that it is providing.

This will be, I'm quite sure, an interesting presentation that you don't want to miss!





# March Public Observing

Steve and Skip are set to show visitors the Moon. Me too but no picture. It started cool and got colder, but we were all dressed appropriately.

By my recollection, we roughly 25 visitors. Most people left about 8:15 with the park closing at 9 PM, so we talked a bit and left before that.

### April "SWSP" Public Observing

The weather was touch and go Friday evening, but in the end it mostly cooperated and we managed to show the moon to a lot of people. Perhaps someone else showed something else, but my TV-127is was on the moon all evening, utilizing a 7mm Pentax SMC eyepiece, providing a view at around 95x.

I stopped at the visitor's center on the way in and grabbed a Chik-Fil-A sandwich, waffle chips (I didn't know they made those), and some tea. Arriving at the site I was the first one there. I had only taken a few bites before a few others arrived. There was plenty of time to set up before anyone stopped by expecting a look.

Things started off well, with no obscuring clouds before dark. People were lined up and viewing the moon before sunset. At some point, clouds rolled in, and we were viewing through various sucker holes. A large bank hit at around 9 and I thought that it may be an early end. But no, the clouds cleared and the last 30 minutes until 10 were clear again. The last person viewed at around 10:05. Until then the line was always present as it is every year. Thankfully, I remembered my small step ladder for the little ones this year. - Terry

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I was mostly using my Meade 8" SCT and 1.25" 20mm PlossI for 100X. Sometime after 9:30 PM I put the 31mm Hyperion in and aimed at M44, the Beehive open cluster. Almost everyone was gone but a couple managed to see what of it fit in the eyepiece. - Karl



Terry, at left, with his scope and some early visitors.

> Steve, at right, with a few visitors.

These visitors took their time looking and talking before the number of visitors took a jump.



Jon did one Tour of the Solar System and then ran his Skyscanner 100, mostly on the Moon, but switching to Mizar and Alcor as the sucker holes showed them instead of the moon.

So, there were four Cape Fear Astro members, plus Nigel Henbest with his small refractor. Nigel joined at the last meeting.



And here they come! I quick took this picture, put the camera away and started showing the Moon. Some people were surprised they could see it while it was still light out.

With the small number of scopes and the large number of people, many just took a quick look and let the next person have a look. I hope next year a few more members will join us. Attendance: Over 2000 per CBSP.

# **Ask!** by Jon Stewart-Taylor

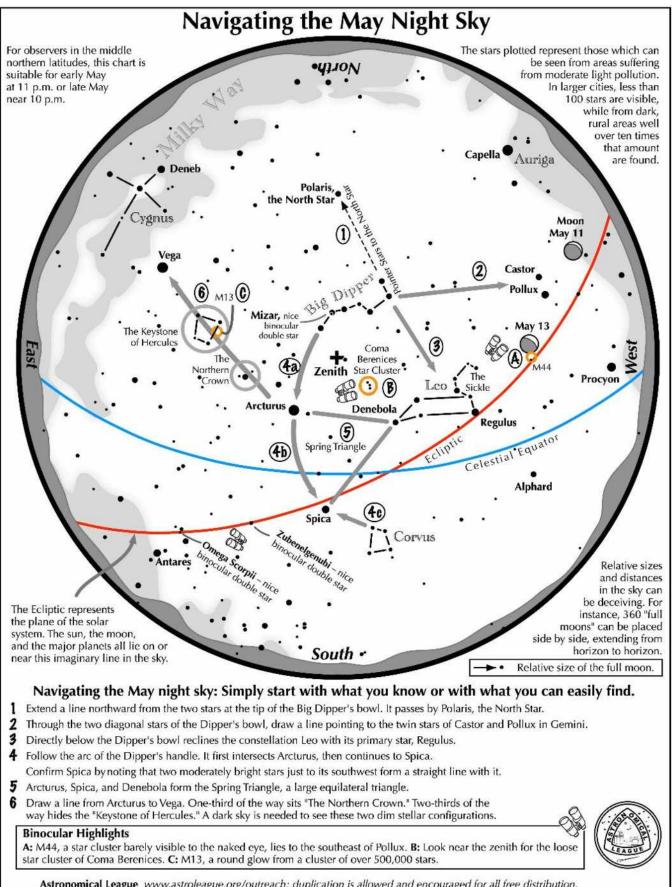
Amateur astronomy is a very large (astronomical) topic. It includes many different approaches to knowing about and understanding our universe. Many approach the universe with their eyes, often aided with special pieces of glass. Some use antennas and radios, or special cameras to augment human senses beyond what our eyes can reveal. Some employ chemistry and physics on meteorites and data from space probes. Some use their minds, thinking about the processes at work in the universe.

Here in Cape Fear Astro we tend to concentrate on visual astronomy, and especially on the use of telescopes to find and look at heavenly objects. We seem to have concentrations on the planets and the "deep sky" objects. Lately (especially with the advent of the Seestar "magic" telescope) we've been starting to do some significant imaging. To be fair, some of us have been doing some fairly serious imaging all along. We've tried to address the needs of "new astronomers" as well as more experienced ones. We haven't done a lot with radio, infra-red or ultraviolet wavelengths. We've spent some time on space exploration, and occasionally touched on cosmology and such.

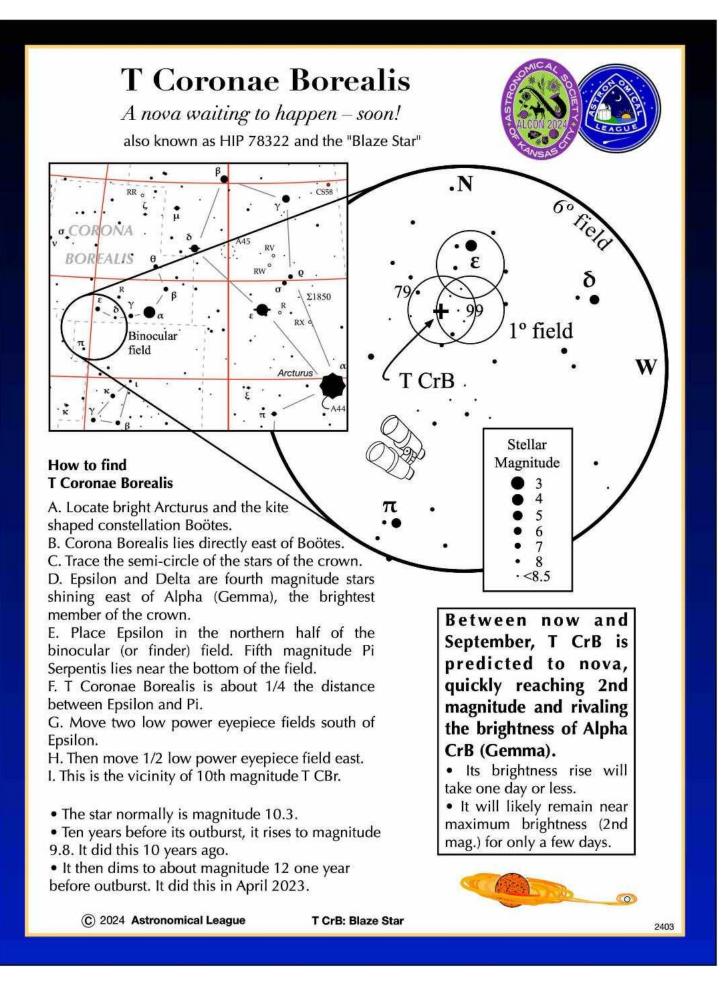
Is this a good balance? Are there parts of amateur astronomy you'd like to investigate? Can the club help you in some way? Are we doing a good job on what we have been addressing? Is there something more we should be doing, or is there something we should be doing differently?

To sum up: Are we meeting your needs? Are you getting out of your membership in the club what you expected or wanted? How can we do better? This is your club, so please feel free to post on the e-mailing list about it, or to send me a direct email at <u>stewarttaylorj@gmail.com</u>.

# From The Astronomical League



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# Get to Know YOUR Astronomical League



The Astronomical League (Astroleague or AL) is one of the largest amateur astronomical organizations in the world. The organization serves to encourage an interest in astronomy (especially amateur astronomy) and promote the science of astronomy by:

- ✓ fostering astronomical education;
  - ✓ providing incentives for astronomical observation and research;
  - ✓ assisting communication among amateur astronomical societies.

CFAS is one of over 300 member societies affiliated with the Astroleague. Your membership in CFAS allows you take full advantage of this relationship so periodically review the information below to see how the Astroleague can support your astronomical interests and endeavors.

| Astroleague Home Page                            | www.astroleague.org   |  |
|--|---|--|
| AL Observing Programs<br>(Alphabetical Listing)  | https://www.astroleague.org/alphabeticobserving/  |  |
| Night Sky Tools                                  | https://www.astroleague.org/navigating-the-night-sky-guides/  |  |
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| Reminders  | Contact Hank Lyon, <u>hlyon8448@gmail.com</u> , for any changes to your Reflector delivery preferences (US Mail or Email).            |  |

The Astroleague Correspondent (or ALCor) is your link between CFAS and the Astroleague. Don't hesitate to contact your ALCor if you need assistance with anything Astroleague related whether its general information or detailed coordination of observing program completions for certification. Check back each month to see any new links, postings or reminders.

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#### **CFAS Correspondence:**

Please contact the society at: CFAS, P.O. Box 7685, Wilmington, NC 28406

Members are welcome and encouraged to submit articles or other input for "CAPE FEAR SKIES". Submit any and all interesting items for publication to Karl Adlon, Editor (email kmja79@yahoo.com).

#### Cape Fear Astronomical Society is a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code.

| CFAS Officers: |                    | <b>Dues:</b> Dues for 2024 are \$25 for Individual and \$32 for |
|----------------|--------------------|---|
| President:     | Ben Steelman       | Family Membership. Students dues are \$5 per year.              |
| Vice-Pres:     | Karl Adlon         | Mail to: CFAS, P.O. Box 7685, Wilmington, NC 28406              |
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