



# The Night Sky

The Newsletter of  
The Astronomy Club of Akron

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

Volume 43 Number 7

July 2021

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NO MEETINGS IN JULY OR AUGUST

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PUBLIC PROGRAM AT ACA OBSERVATORY 9 PM JULY 31

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PROGRAM IS WEATHER PERMITTING

CHECK [WWW.ACAOH.ORG](http://WWW.ACAOH.ORG) FOR UPDATES

9:00 pm - Come out to view open cluster NGC6633, Wild Duck Cluster, Ring Nebula, M26 Star Cloud, and Swan Nebula using an OIII filter. We may be able to see some stragglers from the Delta Aquarids meteor shower that peaked on 7/29.

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ACA Observatory is in Portage Lakes State Park, 5031 Manchester Road, 44319  
Come out and show off the Universe

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ACA NEEDS A NEWSLETTER EDITOR  
(PUBLICATIONS SECRETARY)

**SECTION 10. Duties of the Publications Secretary.** The Publications Secretary shall be responsible for the editing, publishing and mailing (emailing) of the club's newsletter, which includes the notification to members of all club meetings.

In the event of the absence of a Publications Secretary the club's newsletter will not be published. Publication of the newsletter will resume upon the filling of the Publications Secretary position.

ALSO NEED 2 TRUSTEES

See Bylaws at [http://www.acaoh.org/ACA\\_Bylaws.htm](http://www.acaoh.org/ACA_Bylaws.htm)  
for duties

Any interested members or for more information  
contact President Gregg Crenshaw at [gregg.crenshaw@acaoh.org](mailto:gregg.crenshaw@acaoh.org)

Image by Phil Creed



Friday night had clear skies there for the taking, but we had to make a bit of a run for them. Clouds were plaguing the I-77 corridor and points east, so we went to site along the Holmes/Coshocton County line.

This is the Lagoon Nebula (M8) shot on July 2 from near Stillwell. I used an AT92 refractor combined with an Esprit100 1.0x field flattener, so this was 506mm focal length @ f/5.5. My imaging session was ended by dew, so I only ended up with 80.5 minutes (1.34 hours) of integration.

It does help that the Lagoon Nebula is as bright as it is, so even a limited imaging session is still worthwhile. Under dark skies, it's visible to the naked-eye and is a worthwhile object visually with any optical aid



FREE ONLINE CONVENTION

Join us in celebration of the League's 75th year!

# ALCon 2021 Virtual!

ALConVirtual.org August 19 – 21, 2021



Presented by  
**Your Astronomical League**  
**Free Registration !!**

**Door Prizes**  
**valued at more than**  
**\$7500**

**Grand Prize – Explore Scientific**  
**FirstLight 127mm Mak-Cass Telescope**  
**with Twilight Mount valued at ...**  
**\$750 !**

#### ALCon Speakers and Presentations...

- Dr. Jocelyn Bell Burnell, "The Discovery of Pulsars in Context"
- David Eicher, "Galaxies"
- Dr. Richard Gott, "The Cosmic Web"
- Dr. David Levy, "Poetry in the Heavens"
- Kelly Beatty
- Dr. David Dunham, "Near-Earth Asteroid Occultations"
- Paul Cox, "SLOOH"
- Alan Dyer
- **And more!**

#### Astronomical League Awards

- Library Telescope Drawing
- Mabel Sterns Newsletter Award
- Webmaster Award
- Peltier Award
- National Young Astronomers
- Horkheimer Youth Awards
- GR Wright Award
- Special Service Awards

**Saturday Night:**  
**Global Star Party**



Dr. Jocelyn Bell Burnell



David Eicher



Dr. Richard Gott



Dr. David Levy



Paul Cox



Dr. David Dunham

Alan Dyer

J Kelly Beatty



#### Virtual Tour of the Very Large Array



## 2021 July Sky Events

Date	EST (h:m)	Event
Jul 01	16:11	LAST QUARTER MOON
04	15	Mercury at Greatest Elong: 21.6°W
05	09:48	Moon at Apogee: 405342 km
05	18	Earth at Aphelion: 1.01673 AU
06	17:41	Moon at Ascending Node
07	23:38	Mercury 3.7°S of Moon
09	20:17	NEW MOON
12	04:10	Venus 3.3°S of Moon
12	05:10	Mars 3.8°S of Moon
12	19	Mars at Aphelion: 1.66596 AU
13	08	Venus 0.5°N of Mars
17	05:11	FIRST QUARTER MOON
20	07:06	Antares 4.7°S of Moon
20	08:22	Moon at Descending Node
21	05:30	Moon at Perigee: 364520 km
21	16:21	Venus 1.0°N of Regulus
23	20	Mercury at Perihelion
23	21:37	FULL MOON
24	11:42	Saturn 3.8°N of Moon
25	20:17	Jupiter 4.2°N of Moon
27	22	Delta-Aquarid Meteor Shower
29	09:09	Mars 0.6°N of Regulus
31	08:16	LAST QUARTER MOON

## 2021 August Sky Events

Aug 01	09	Mercury at Superior Conjunction
02	00	Saturn at Opposition
02	02:35	Moon at Apogee: 404412 km
02	21:51	Moon at Ascending Node
06	14:42	Pollux 3.1°N of Moon
08	08:50	NEW MOON
09	19:42	Mars 4.3°S of Moon
11	02:00	Venus 4.3°S of Moon
12	14	Perseid Meteor Shower
15	10:20	FIRST QUARTER MOON
16	11:04	Moon at Descending Node
16	13:34	Antares 4.5°S of Moon
17	04:23	Moon at Perigee: 369127 km
18	22	Mercury 0.1°S of Mars
19	18	Jupiter at Opposition
20	17:19	Saturn 3.7°N of Moon
21	23:52	Jupiter 4.0°N of Moon
22	07:02	FULL MOON
29	21:22	Moon at Apogee: 404100 km
30	00:13	Moon at Ascending Node
30	02:13	LAST QUARTER MOON

***Sky Event Almanacs Courtesy of Fred Espenak, [www.AstroPixels.com](http://www.AstroPixels.com)***

## **OFFICERS 2020 – 2022**

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Open

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### **Trustee**

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