



# The Night Sky

The Newsletter of  
The Astronomy Club of Akron  
[www.acaoh.org](http://www.acaoh.org)

Volume 42 Number 6

June 2020

## **ACA NEWS AND NOTES** **JUNE 2020**

### **Annual Summer Picnic**

The next ACA Members Social is our summer picnic scheduled for Sunday, August 30th. To help the ACA Board come to a decision as to whether the event will take place, please email Cathy Loboda at [cnloboda@aol.com](mailto:cnloboda@aol.com) if you and your family plan to attend. It goes without saying that social distancing will take place at the event. Check your email and the ACA website in July for the final decision. Below are details for the social in the event the Board decides to continue with plans for the picnic:

What: Members Annual Summer Picnic

When: Sunday, August 30th  
3:00 pm

Where: Portage Lakes Big Oaks Shelter  
Portage Lakes State Park

ACA will provide the burgers and hotdogs. Members attending will bring a dish to share.

### **Elections Scheduled for September**

Thankfully, under the current circumstances, the present ACA Board has agreed to stay in office until membership can vote at the September meeting. If the fall meetings are held virtually, the ACA Board will announce via newsletter, email, and the ACA website the mode by which elections will take place. Details are soon to follow. The complete slate of officers is noted below:

ACA Slate of Officers  
President - Gregg Crenshaw  
Vice President - Glenn Cameron  
Treasurer - Dave Hartsook  
Secretary - Gary Smith  
Assistant Secretary/Treasurer - Jim Swift  
Newsletter Editor - Marissa Fanady

## Star Parties

Until further notice, Observatory Director Ron Kalinoski has suspended all Star Parties scheduled at the ACA observatory. Stay connected with ACA by visiting the ACA website. Star Parties and other ACA events will be posted as club activities resume in the future.

### June Astronomical Events

Day Hour (UT)

01 00 Venus 3.7° E  
02 23 Moon Perigee 23:36  
03 13 Venus Infer 13:42  
04 08 Mercury East 08:59  
05 15 Full Moon 15:12  
05 15 Pen Lunar Ec 15:25  
06 14 Moon D Node 14:10  
07 12 Moon S Dec 12:22  
08 13 Moon-Jupiter 13:19  
08 22 Moon-Saturn 22:19  
12 19 Moon-Mars 19:53  
13 02 Last Quarter 02:24  
14 20 Moon Apogee 20:56  
19 04 Moon-Venus 04:52  
20 17 Summer Sol 17:43  
21 00 Moon A Node 00:24  
21 02 Ann Solar Ec 02:40  
21 02 New Moon 02:41  
21 23 Moon N Dec 23:56  
23 20 Moon-Beehive 20:33  
28 04 First Quarter 04:16  
29 22 Moon Perigee 22:09  
30 22 Mercury Infer 22:45

*Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)*

### July Astronomical Events

Day Hour (UT)

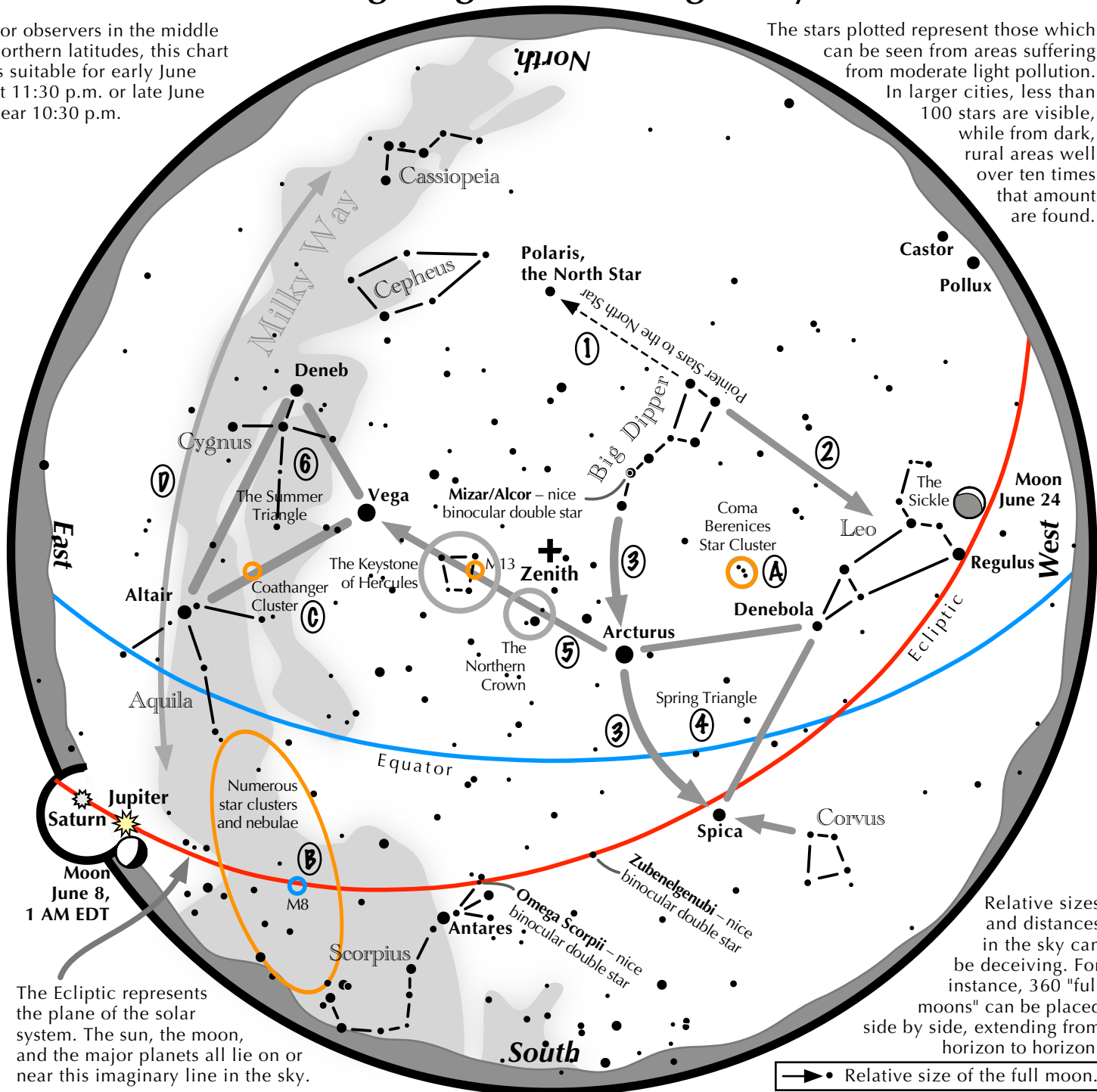
01 00 Venus 34.3° W  
03 23 Moon D Node 23:18  
04 10 Aphelion 10:59  
04 21 Moon S Dec 21:37  
05 00 Pen Lunar Ec 00:30  
05 00 Full Moon 00:44  
05 17 Moon-Jupiter 17:37  
06 04 Moon-Saturn 04:45  
11 08 Venus-Aldeb. 08:17  
11 15 Moon-Mars 15:36  
12 15 Moon Apogee 15:27  
12 19 Last Quarter 19:29  
14 03 Jupiter Opp 03:03  
17 03 Moon-Venus 03:26  
18 08 Moon A Node 08:33  
19 07 Moon N Dec 07:51  
20 13 New Moon 13:33  
20 17 Saturn Opp 17:33  
22 10 Mercury West 10:59  
25 00 Moon Perigee 00:54  
27 08 First Quarter 08:32  
27 17 Delta Aquarids 17:08  
31 05 Moon D Node 05:32

*Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)*

# Navigating the June Night Sky

For observers in the middle northern latitudes, this chart is suitable for early June at 11:30 p.m. or late June near 10:30 p.m.

The stars plotted represent those which can be seen from areas suffering from moderate light pollution. In larger cities, less than 100 stars are visible, while from dark, rural areas well over ten times that amount are found.



The Ecliptic represents the plane of the solar system. The sun, the moon, and the major planets all lie on or near this imaginary line in the sky.

Relative sizes and distances in the sky can be deceiving. For instance, 360 "full moons" can be placed side by side, extending from horizon to horizon.

→• Relative size of the full moon.

## Navigating the June night sky: Simply start with what you know or with what you can easily find.

- 1 Extend a line north from the two stars at the tip of the Big Dipper's bowl. It passes by Polaris, the North Star.
- 2 Draw another line in the opposite direction. It strikes the constellation Leo high in the west.
- 3 Follow the arc of the Dipper's handle. It first intersects Arcturus, the brightest star in the June evening sky, then Spica.
- 4 Arcturus, Spica, and Denebola form the Spring Triangle, a large equilateral triangle.
- 5 To the northeast of Arcturus shines another star of the same brightness, Vega. Draw a line from Arcturus to Vega. It first meets "The Northern Crown," then the "Keystone of Hercules." A dark sky is needed to see these two dim stellar configurations.
- 6 High in the east are the three bright stars of the Summer Triangle: Vega, Altair, and Deneb.

### Binocular Highlights

- A: Between Denebola and the tip of the Big Dipper's handle, lie the stars of the Coma Berenices Star Cluster.
- B: Between the bright stars of Antares and Altair, hides an area containing many star clusters and nebulae.
- C: 40% of the way between Altair and Vega, twinkles the "Coathanger," a group of stars outlining a coathanger.
- D: Sweep along the Milky Way for an astounding number of faint glows and dark bays.



## OFFICERS 2018 – 2020

### President

Cathy Loboda  
Phone: 330-655-2923 E-mail: cnloboda@aol.com

### Vice President

Justin Phillips  
Phone: E-mail:

### Treasurer

Nick Mihiylov  
Phone: E-mail: nmihiylov@aol.com

### Secretary

Terry Taylor  
Phone: E-mail:

### Assistant Secretary/Treasurer

Ann Ferrell  
Phone: 330-697-7279 E-mail: annhagemaster@gmail.com

### Observatory Director

Ron Kalinoski  
Phone: 330-837-5848

### ACA Webmaster

Dave Jessie  
Phone: 330-688-9043 E-mail: DJessie@neo.rr.com

### Publications Secretary - Editor, Night Sky Newsletter

Marissa Fanady  
Phone: 330-531-2443 E-mail: mfanady@yahoo.com

### Trustee

Gregg Crenshaw  
E-mail: rigelstarman@gmail.com

### Trustee

Susan Swift  
E-mail: swiftsm@windstream.net

### Trustee

Connie Tighe  
E-mail: contighe@hotmail.com

### Statutory Agent

Mark Kochheiser  
Phone: E-mail:

### OTAA Representative

Lou Poda

## May Treasurer's Report

By Nick Mihiylov

5/1/2020 Through 5/31/2020

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Checking Beginning Balance	\$1,795.16
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### Income

Total Income	\$0.00
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### Expenses

Check #1251	-69.99
Subscription Renewal MS 360*	
*Reimbursement to Marissa Fanady	

Total Expenses	-\$69.99
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Income Less Expenses	-\$69.99
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Checking Ending Balance	\$1,725.17
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Savings Beginning Balance	\$2,567.76
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Earned Interest	0.04
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Savings Ending Balance	\$2,567.80
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Petty Cash Beginning Balance	\$50.00
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	0.00
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Petty Cash Ending Balance	\$50.00
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Petty Cash	50.00
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Savings	2,567.80
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Checking	1,725.17
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<b>Grand Total</b>	<b>\$4,342.97</b>
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Article by Nick Mihiylov  
ACA Treasurer.

# SWAP & SHOP



## FOR SALE:

### Orion Sirius 40mm Plossl

Asking: \$25

Contact: Glenn Cameron

Phone: 330-737-1472

Email: glenn@cameronclan.org

## FOR SALE:



### Televue Radian 12 mm Eyepiece

- Excellent condition.

Asking: \$180 (cash)

Contact: Fred Fry

Email:

riverfry@gmail.com

## FOR SALE:



### Televue Radian 18 mm Eyepiece

- Excellent condition.

Asking: \$180 (cash)

Contact: Fred Fry

Email:

riverfry@gmail.com

## FOR SALE:

### Celestron CPC Deluxe 800 HD Telescope with tripod.

Accessories:

- Celestron 1.25" eyepiece and filter kit.
- Tele Vue nebula filter.
- Celestron UHC/LPR filter.
- Celestron 15mm 1.25" 82 degree wide field eyepiece.
- Stellarvue 1.25" Dielectric Diagonal.
- Stellarvue 1.25" erecting prism.
- Celestron power tank and dew shield.
- Astrozap sun filter.
- Celestron AC adaptor.
- JMI custom hard shell case for telescope.

All 8 months old, brand new condition.

Asking: \$2200

Contact: Jim Hall

Phone: 330-268-8695

## FOR SALE:



### Pentax XW 20mm Eyepiece

- Excellent condition.
- Small mark on 1.25" barrel.
- Always used in a compression clamp.

Asking: \$220 (cash)

Contact: Fred Fry

Email: riverfry@gmail.com

## FOR SALE:

### Celestron NexStar 8i computerized to go 8" F/10 Schmidt-Cassegrain

Focal length 2032 mm with 406x highest useful power.

Includes:

- GPS module.
- Five multicoated Plössl eyepieces.
- 2X Barlow lense.
- Seven filters.
- A/C adaptor.
- Night vision flash.
- Celestron star pointer.

All rarely used and in new condition.

Cost \$1,689 new.

Asking: Best Offer

Contact: Nick Bade

Email: nb@tribco.com

Phone: 216-486-2000 weekdays and

440-585-8687 evenings and weekends.

## Advertise in the Swap n Shop!

Send a picture of  
your **ASTRONOMY  
RELATED** item and  
relevant information  
to the newsletter  
editor:

mfanady@yahoo.com

# *The Night Sky*

Newsletter of the Astronomy Club of Akron  
c/o Marissa Fanady, Editor  
2993 Midway Ct.  
Akron OH, 44319

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**The Astronomy Club of Akron**  
c/o Nick Mihiylov  
13495 Mogadore Avenue NW  
Uniontown, Ohio 44685-9347

Yes! I want to become a member of the Astronomy Club of Akron

[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.

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),