



The Night Sky

The Newsletter of
The Astronomy Club of Akron
www.acaoh.org

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October 2020

ACA ZOOM MEETING - October 23, 2020 AT 8PM

President's Column

By Gregg Crenshaw

The next meeting of the ACA will be October 23 at 8:00 pm on Zoom. The speaker will be Gary Kader. Gary is the Director of Burrell Observatory at Baldwin Wallace University, Berea, Ohio.

His talk is titled:

The Hertzsprung Russell Diagram: Call it what you will; the holy grail or the Rosetta Stone, the Hertzsprung Russell diagram is not only THE plot to understanding stellar evolution, but as you will see much more.

Watch your email sometime on or after October 16 for the Zoom link to the meeting or visit the ACA web site on or after October 16 for the Zoom link to the meeting at acaoh.org.

In this time of Covid we must use technology more than ever before to exchange ideas. The ACA has, thanks to the Akron Summit County Library, begun meetings online on their Zoom account. We will be having virtual meetings on the fourth Friday of the month as has been the case in the past. The November meeting will be on the third Friday due to Thanksgiving weekend. Check the ACA web site for more information.

Go out and see Mars! In this issue of the Night Sky is a great image of Mars taken by ACA member Len Marek. Mars was closest to Earth on October 6th at 38.57 million miles! Mars will not be this close to Earth for another 15 years, September 2035! So don't miss it! Mars will be close and bright in our skies for a month or so then it will dim very quickly.

There are many Astronomy related conferences, meetings and live programs available on YouTube, Facebook, and Zoom. Here is a sample:

YouTube:

Association of Lunar and Planetary Observers 2020 Virtual Conference (you may have to cut and paste the links into your browser).

Day 1 - <https://youtu.be/voXkORsL1Bc?t=333> Starts at 5:33 in the video.

Day 2 - <https://youtu.be/j0VONvbdj0E?t=1095> Starts at 18:15 in the video.

Awards, Door Prizes and Pranvera Hyseni Keynote speaker - Starts at 16:19 in the video.

<https://youtu.be/klWukbjxBJc?t=979>

Explore Scientific's Explore Alliance Live Streams both live and recorded.

Explore these online resources.

*Article by Gregg Crenshaw
ACA President*

October Astronomical Events

Day Hour (UT)

01 00 Venus 40.3° W
01 11 Mercury East 11:59
01 17 Full Moon 17:05
02 13 Venus-Reg. 13:09
02 23 Moon-Mars 23:21
03 13 Moon Apogee 13:22
07 20 Moon A Node 20:29
09 09 Moon N Dec 09:07
09 20 Last Quarter 20:39
11 08 Moon-Beehive 08:27
13 19 Mars Opp 19:10
13 19 Moon-Venus 19:57
16 15 New Moon 15:31
16 19 Moon Perigee 19:46
20 11 Moon D Node 11:53
21 01 Orionids 01:21
21 22 Moon S Dec 22:00
22 13 Moon-Jupiter 13:10
22 23 Moon-Saturn 23:49
23 09 First Quarter 09:23
25 13 Mercury Infer 13:14
29 11 Moon-Mars 11:13
30 13 Moon Apogee 13:46 o
31 09 Full Moon 09:49
31 11 Uranus Opp 11:05

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

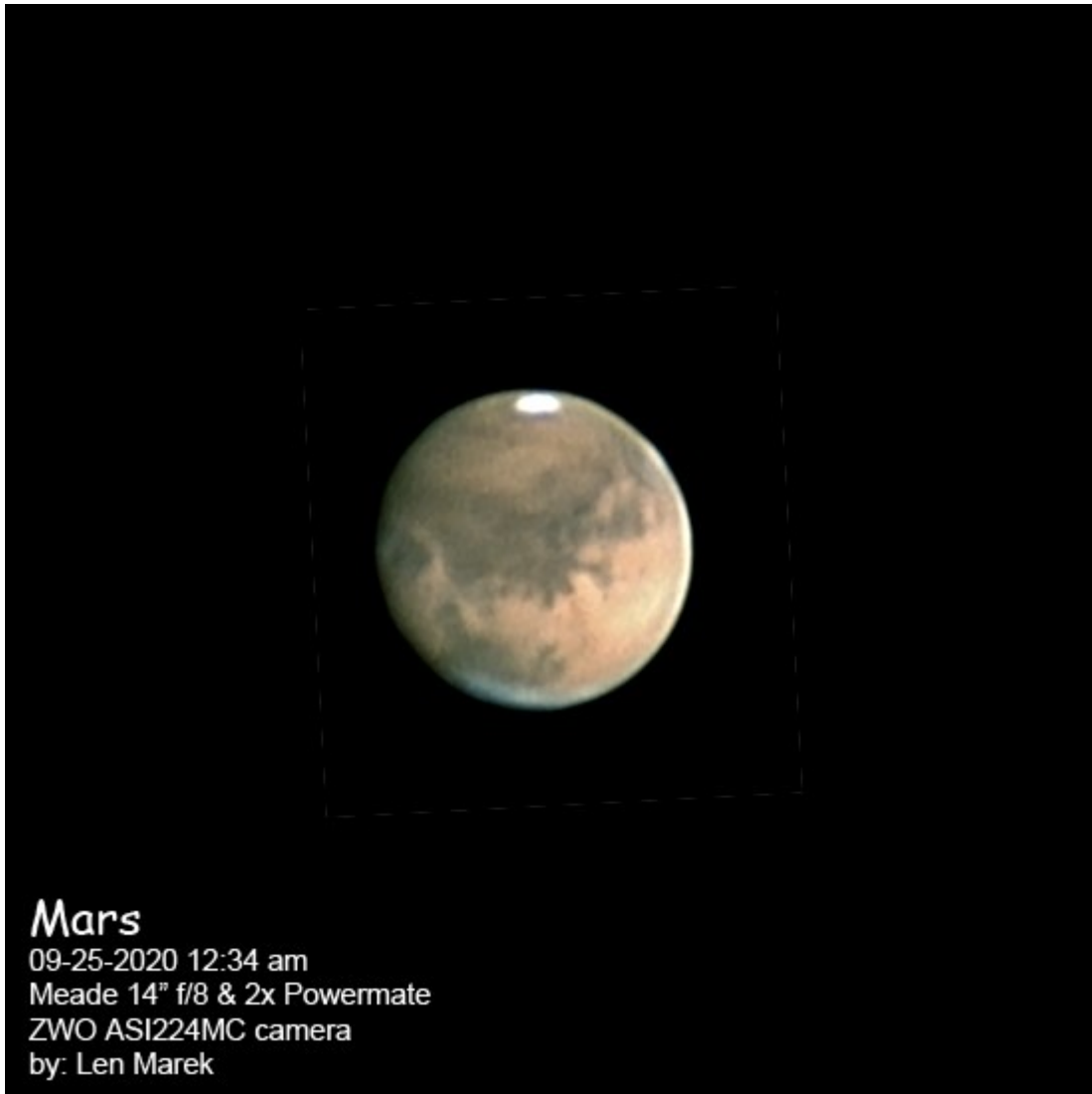
November Astronomical Events

Day Hour (UT)

01 00 Venus 34.2° W
03 21 Moon A Node 21:39
05 00 S. Taurids 00:50
05 14 Moon N Dec 14:30
07 14 Moon-Beehive 14:34
08 08 Last Quarter 08:46
10 11 Mercury West 11:59
12 00 N. Taurids 00:06
12 16 Moon-Venus 16:31
14 06 Moon Perigee 06:48
15 00 New Moon 00:07
16 08 Venus-Spica 08:24
16 19 Moon D Node 19:07
17 06 Leonids 06:24
18 06 Moon S Dec 06:27
19 03 Moon-Jupiter 03:54
19 09 Moon-Saturn 09:57
21 23 First Quarter 23:45
26 19 Moon Apogee 19:29
30 04 Full Moon 04:30
30 04 Pen Lunar Ec 04:44

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

Member Photos



The planet Mars at opposition. You can clearly see surface details of light and dark areas as well as the polar ice cap. This close approach is significant because Mars is a mere 38.57 million miles at its closest distance to earth. Be quick to see the red planet, our neighbor will not be this close again until the year 2035. Picture taken by ACA member Len Marek.

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

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September Treasurer's Report

By Dave Hartsook

9/1/2020 Through 9/30/2020

Checking Beginning Balance	\$1,728.67
Income	
Membership Dues Collected (11 Adult & 5 Family)	530.00
Charitable Contribution in memory of Lou Poda	100.00
Astronomical League Dues Received from ACA Members (to be remitted to Astronomical League)	52.50
Total Income	\$682.50
Expenses	
Service Charge - new checks	-46.57
Net PayPal fee	-1.71
Total Expenses	-\$48.28
Income Less Expenses	\$634.22
Checking Ending Balance	\$2,362.89
<hr/>	
Savings Beginning Balance	\$2,567.88
Earned Interest	0.02
Savings Ending Balance	\$2,567.90
<hr/>	
Petty Cash Beginning Balance	\$50.00
	0.00
Petty Cash Ending Balance	\$50.00
<hr/>	
Petty Cash	50.00
Savings	2,567.90
Checking	2,362.89
Grand Total	\$4,980.79

Article by Dave Hartsook
ACA Treasurer.

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

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,