



# The Night Sky

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

Volume 41 Number 11

November 2019

Next Meeting: Friday - November 22, 2019 - 8:00 PM - New Franklin

## **ACA NEWS AND NOTES** **NOVEMBER 2019**

### **ACA Monthly Meetings**

ACA's November meeting is scheduled for 8:00 p.m. on Friday, November 22nd. Dr. Brett Ellman, professor for the Department of Physics and Astronomy at Kent State University, will present "Recent Developments in Cosmology."

Thanks go out to Linda Sayre and Adam Bungard who have graciously volunteered to provide refreshments. The meeting location is the New Franklin City Hall, 5611 Manchester Road, Akron, Ohio 44319. Please plan to attend as ACA is in its 71st year of serving Akron and the surrounding communities!

### **It's Never Too Late....**

....to join the Astronomy Club of Akron! Bring club dues to the next meeting or mail your dues to treasurer Nick Mihiylov at:

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

Membership dues pays for observatory maintenance and insurance, dinner for our guest speakers, membership picnic entree, pavilion fees, and any costs incurred in support of our outreach programs. Your membership is needed and much appreciated!

### **Star Parties**

Observatory Director Ron Kalinoski will schedule impromptu star parties as our weather permits. Keep an eye on your email for notification of day and time. Dress appropriately in layers and stop in at the ACA Observatory to support these outreach events!

### **Winter Social**

Members will decide on the date and location of our annual Winter Social at the November meeting. If you are unable to attend the meeting and have suggestions for this event, email President Cathy Loboda at [cnloboda@aol.com](mailto:cnloboda@aol.com).

## November 22, 2019 - General Membership Meeting



**Speaker:** Dr. Brett Ellman, Kent State University, Physics and Astronomy.

**Presentation:** “Recent Developments in Cosmology”

**About the Speaker:** Read Dr. Ellman's information online: <https://www.kent.edu/physics/profile/brett-d-ellman>

**Meeting Location:**  
New Franklin City Hall  
5611 Manchester Rd.  
New Franklin 44319

Please note that we ALWAYS encourage the public to attend ANY of our events, including meetings. Come and enjoy the lecture and talk to us about astronomy!

### November Astronomical Events

Day Hour(UT)

1 00 Venus 20.8° E  
1 16 Moon D Node 16:40  
1 19 Moon S Dec 19:33  
2 02 Moon-Saturn 02:31  
4 05 First Quarter 05:23  
5 18 S. Taurids 18:41  
7 03 Moon Apogee 03:37  
9 14 Venus-Ant. 14:18  
9 18 Mars-Spica 18:05  
11 10 Mercury Infer 10:17  
12 08 Full Moon 08:34  
12 17N. Taurids 17:57  
16 03 Moon A Node 03:48  
16 08 Moon N Dec 08:52  
18 00 Leonids 00:15  
18 05 Moon-Beehive 05:11  
19 16 Last Quarter 16:11  
23 02 Moon Perigee 02:54  
24 04 Moon-Mars 04:02  
24 07 Venus-Jup 07:17  
26 10 New Moon 10:06  
28 04 Mercury West 04:59  
28 05 Moon-Jupiter 05:49  
28 13 Moon-Venus 13:50  
28 23 Moon D Node 23:13  
29 05 Moon S Dec 05:36  
29 16 Moon-Saturn 16:12

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

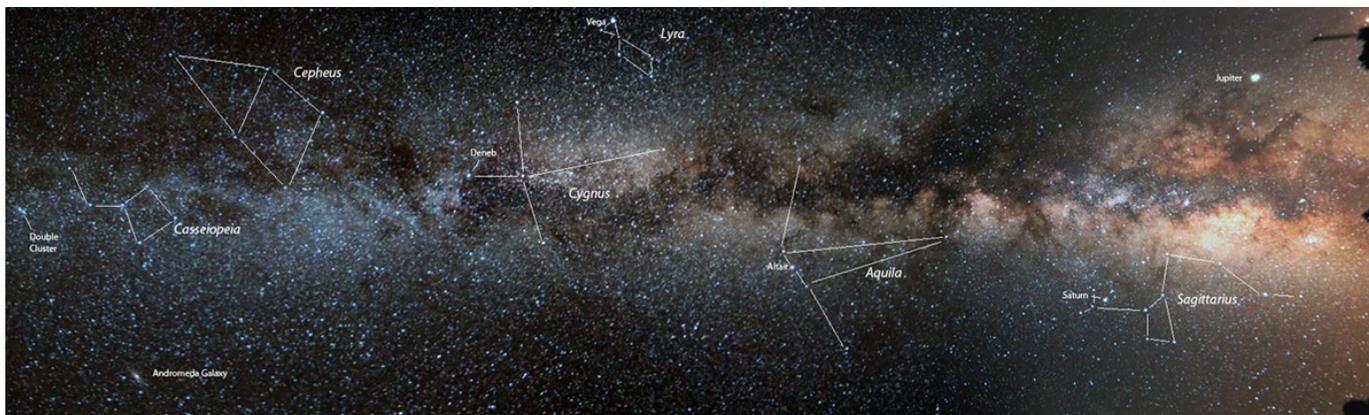
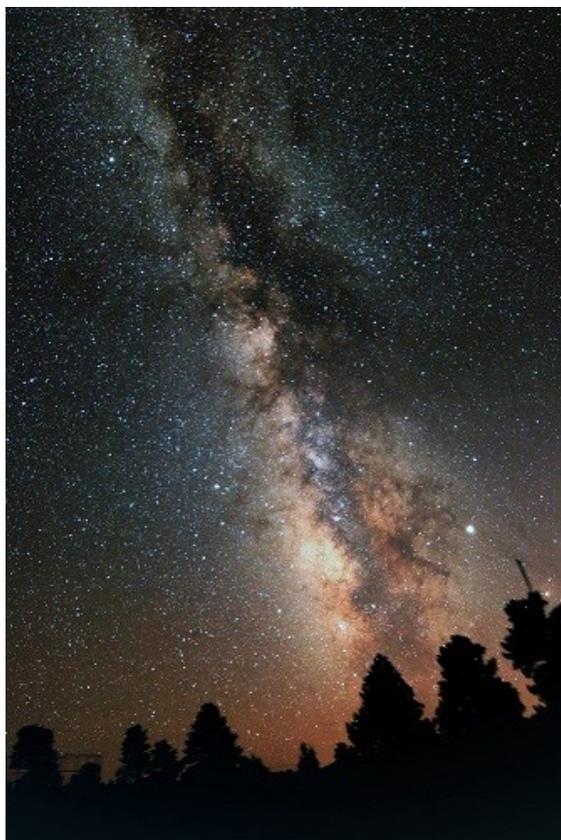
### December Astronomical Events

Day Hour(UT)

01 00 Venus 27.9° E  
04 01 First Quarter 01:58  
04 23 Moon Apogee 23:09  
11 06 Venus-Sat 06:03  
12 00 Full Moon 00:12  
13 09 Moon A Node 09:15  
13 15 Moon N Dec 15:57  
14 13 Geminids 13:25  
15 10 Moon-Beehive 10:54  
18 15 Moon Perigee 15:30  
18 23 Last Quarter 23:57  
21 23 Winter Sol 23:19  
22 20 Moon-Mars 20:49  
22 22 Ursids 22:00  
26 00 New Moon 00:13  
26 00 Ann Solar Ec 00:18  
26 08 Moon D Node 08:01  
26 15 Moon S Dec 15:11  
27 13 Jupiter Sun 13:06  
28 20 Moon-Venus 20:32

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

# Member Photos



The Milky Way over Grand Canyon, Bryce Canyon and Zion National Park. The first picture is the Milky Way at the south facing the center of our galaxy (left). The 2nd photo is centered around the constellation Cygnus (upper right). The 3rd photo is toward the north and in that one you can see the Andromeda galaxy (lower right). Using Adobe Photoshop I used a function in that software called Photomerge. I selected the first 3 photos and merged them together to create the awesome panorama (above). Images by ACA member Lenny Marek.

## 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

## October Treasurer's Report

By Nick Mihiylov

10/1/2019 Through 10/31/2019

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Checking Beginning Balance	\$1,188.56
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### Income

Donation - Friends of the Library	30.00
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Tee Shirt Sale	20.00
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Sale of donated 4" SCT	50.00
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Memberships	860.18
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<b>Total Income</b>	<b>\$960.18</b>
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### Expenses

Speaker Dinner - 10/25 Pick's	-23.00
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Ck # 1243 Ann Ferrell Reimbursement - Speaker Dinner	-20.83
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Ck # 1242 Ron Kalinoski - Reimbursement	-9.57
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<b>Total Expenses</b>	<b>-53.40</b>
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<b>Income Less Expenses</b>	<b>\$906.78</b>
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Checking Ending Balance	\$2,095.34
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Savings Beginning Balance	\$2,567.48
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Earned Interest	0.04
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<b>Savings Ending Balance</b>	<b>\$2,567.52</b>
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Petty Cash Beginning Balance	\$50.00
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	0.00
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<b>Petty Cash Ending Balance</b>	<b>\$50.00</b>
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Petty Cash	50.00
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Savings	2,567.52
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Checking	2,095.34
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<b>Grand Total</b>	<b>\$4,712.82</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),