



# The Night Sky

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

Volume 39 Number 6

October 2017

Next Meeting: Friday - October 27, 2017 - 8:00 PM - New Franklin

## The President's Column

By Cathy Loboda

One of the most amazing and memorable moments in my life occurred on August 21, 2017 in Franklin, Kentucky. I hope you enjoy reading an account of my total eclipse experience as much as I enjoyed hearing of others.

It was a pleasant drive to Barren River State Park, where I and a colleague would spend the night. Driving conditions were good and traffic was light. The trip to Lucas, Kentucky, took a manageable 7 hours. Although the park was beautiful and had much to offer, it was early to bed knowing we would be up at the crack of dawn to drive into the range of totality. Our plan was to drive 45 minutes to Franklin, Kentucky, and settle in at a well-known drive-in theater that was advertised as a destination for viewing the eclipse.

The weather that morning was exactly as forecasted:

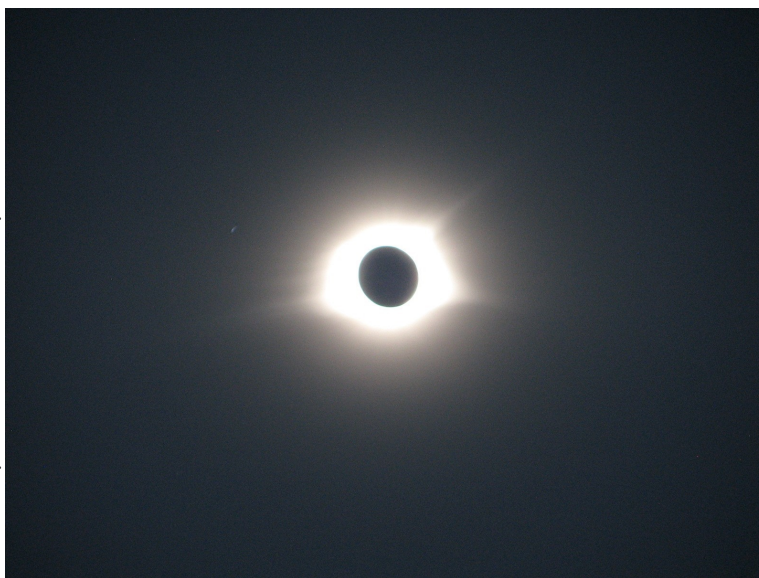
sunny with clear skies. We left for Franklin well before 7:00 a.m. knowing traffic would be an issue and the drive-in theater would fill early on. Traffic was already heavy, but moving--until we exited the highway to drive into town. We remained bumper-to-bumper for miles; and then, as we neared the vicinity of the drive-in theater, traffic came to a complete halt. We barely moved one half of a mile in over 30 minutes. I lost confidence in reaching the drive-in and began to think of other options; then, I noticed a large parking lot on my right.

The parking lot belonged to a racino named Kentucky Downs. A feeling in my gut told me to go with it, so I paid \$10 and found a lovely parking space under a shade tree. The venue was perfect. Wide open spaces, an air conditioned building to pass time gaming until eclipse, free nonalcoholic drinks, and clean bathrooms. What more could I ask for?

We had nearly 6 hours before the actual eclipse. We used the time to relax, read, chat, eat, gamble, and meet people who traveled from near and far to experience a total solar eclipse. Little did we know the experience would leave us feeling like old friends!

As the time of the eclipse neared, all those at Kentucky Downs got into their places, eclipse glasses in hand. Embedded in my mind and recalled as if it was yesterday, is this amazing experience. The first contact sparked excitement and heightened our anticipation. Glasses on, glasses off, as we noted images of the partial eclipse leading up to totality.

The various sensations experienced through sight, sound, and touch before totality were entirely unique.  
(con't page 4)



**Canon Sure Shot at totality with the Sun's corona clearly visible.  
Image by Cathy Loboda.**

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### OTAA Representative

Lou Poda

## September Treasurer's Report

By Nick Mihiylov

9/1/2017 Through 9/30/2017

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Checking Beginning Balance	\$1,354.37
<b>Income</b>	
Membership and Donations	669.76
<b>Total Income</b>	<b>\$669.76</b>
<b>Expenses</b>	
Speaker Dinner	-42.00
Observatory Expenses Reimbursement	-677.81
<b>Total Expenses</b>	<b>-719.81</b>
<b>Income Less Expenses</b>	<b>-\$50.05</b>
Checking Ending Balance	\$1,304.32
<hr/>	
Savings Beginning Balance	\$2,566.48
Earned Interest	0.04
<b>Savings Ending Balance</b>	<b>\$2,566.52</b>
<hr/>	
Petty Cash Beginning Balance	\$50.00
	0.00
<b>Petty Cash Ending Balance</b>	<b>\$50.00</b>
<hr/>	
Petty Cash	50.00
Savings	2,566.52
Checking	1,304.32
<b>Grand Total</b>	<b>\$3,920.84</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**

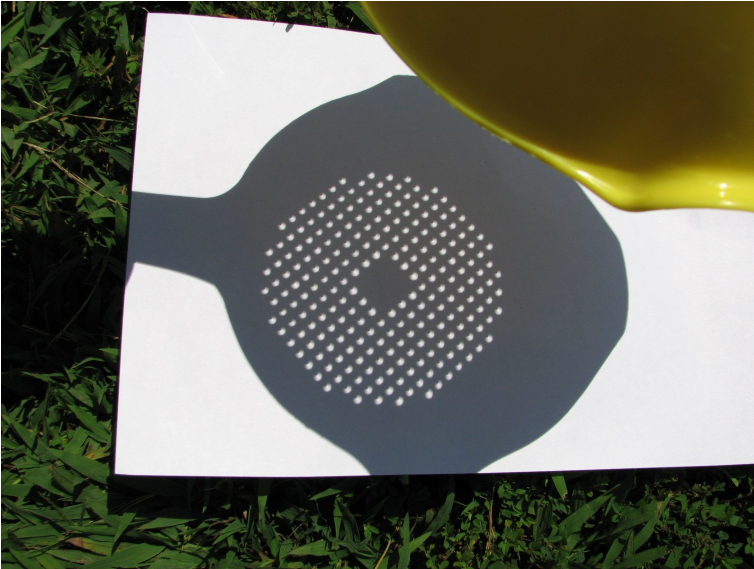
**weekends.**

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RELATED item and  
relevant information  
to the newsletter  
editor:**

**speedymissy@yahoo.com**

## The Presidents Column Con't



Multiple images of the partial eclipse on paper through a colander. Image by Cathy Loboda.

will never forget: the salmon/coral colored sky characterized by a sunset surrounding us.....360 degrees of sunset skies...and then stars in the dark sky above us. AMAZING!!!

The crowd was so engrossed in totality, it took the command of “glasses on in 5, 4, 3...” by an experienced eclipse chaser from Dallas to bring us back to reality. Most of the crowd stayed well into the final phases of the eclipse. Then it was goodbyes accompanied by the exchange of contact information. It remains a surprise that total strangers truly departed as friends, bonded by a life changing experience that can only be matched by witness of another total solar eclipse. In the true sense that time flies, April 8, 2024, will arrive before we know it. The Cleveland-Akron area is in the path of totality. Buy your glasses early.....and pray for clear skies!

Note: As a postscript, I would be remiss if I did not mention my return trip to northeast Ohio. Knowing I had to work the following morning, I began my drive home around 2:45 p.m. The article Dave Jessie sent (that I read the Saturday night before bed) prepared me for probable grid-lock on the roads after the eclipse.

I will only say I drove all day, throughout the night, and into the early morning....only stopping for gas accompanied by a bathroom break. We tried highways and back roads....it did not matter. The grid-locked traffic lasted through Cincinnati, easing to heavy traffic south of Columbus. I arrived at my Mom's home in Lorain to shower and head straight to work. I pulled into her driveway at 8:35 a.m. You can do the math. What surprised me throughout the return trip is there was no road rage, no horns or hand gestures. We were all in the same boat; and, what normally would be an agonizing drive, was only a small price to pay for a most amazing experience.

Article By Cathy Loboda  
ACA President

Although the sky was absolutely cloudless, one could see a disk-like shadow over land advancing toward us. I noticed the skin of my arms felt strange and I remember rubbing them as the 96 degree air temperature took a dramatic dip. The immediate sound of crickets and frogs grew to a crescendo as skies darkened. Wearing our glasses in awe, all of us began to cheer and applaud as we saw the Diamond Ring and Bailey's Beads. Then it was glasses off for 2 minutes and 34 seconds. The sight of a total eclipse is something I will remember all the days of my life. I was overwhelmed and brought to tears. I promised myself I would live in the moment and not experience it through a camera's lens; so, I took my Canon Sure Shot and snapped one and only one picture without looking at the result. I did not want to get caught up in trying to get a better shot and then regret I did not spend this precious time viewing the eclipse with my own unsheltered eyes. I was amazed at the sun's corona.....what a sight! And then the stars.....I heard someone yell out, “Oh, my God!” I instinctively turned toward the voice when I saw another amazing sight I



New friends representing Ohio, West Virginia, Tennessee, Texas, Utah, and England. Pictured in second row, 2nd and 3rd persons from the left: new ACA members Jim and Susan Swift.

## ACA Eclipse Corner 2017

By Marnie Sanders

Mikey and I planned to view the event from our back porch, with cold drinks, easily accessible bathrooms, our TV and computer close at hand for various reports, and two pair of approved eclipse glasses.

That morning, he popped one of his "caps" off a tooth and we made an emergency run to our long-time dentist for quick repair. Dr. "Chris" was chatting with us, lamenting how their anticipated eclipse glasses had failed to arrive from Amazon. So, we offered to return his favor of the quick dental repair for one of our eclipse glasses, assuring him that he and his office staff would all be able to share the glasses, as we would share our single pair.

Well, that evening he called to say that even clients had walked outside with their dental neck wraps still on them to view the wonders!!! They all took pictures of each other in that single pair of glasses, and spent almost the entire eclipse event out in their office yard enjoying the experience! We both enjoyed our shared glasses, the Nasa TV shots, our cool peach daiquiris on the porch, and especially the channel 3 TV eclipse report featuring the wonderful reaction of our NASA Glenn director's "total awe" of her experience of totality.....this from a three time astronaut!!! So cool!!!

We are both taking our vitamins and taking good care of ourselves so that we can be here for the next one in 2024! See you there!

Marnie and Mikey.

*Article By ACA Member,  
Marnie Sanders*

## ACA Board Meeting Minutes September 17, 2017

**First order of business:** Donations of telescopes and equipment by the public. It was decided that all donations would be considered on a case-by-case basis. And at such time if we accept such equipment where to store it would be considered at that time.

**ACA Apparel:** Get on the web site.

**Elections:** The slate of candidates is due March '18, the vote will be taken in April of 2018. The Board has appointed a two member committee (Freddie and Ron) to scout out candidate for these positions: President, Vice-President, Treasurer, Secretary, Trustee and an Alternate.

Thanks and recognition was given to Gregg for compiling a list of ACA properties.

**Observatory Director:** Ron Kalinoski, says he will have the 2018 Star Party schedule ready by the last week of January 2018.

**Speaker Review:** A speaker review and guidelines were proposed: Time limits, content (is it general public friendly or pure hard science and data?), and any required equipment should be reviewed with our speakers ahead of time.

**Greeter:** It was brought up that we should have a (Greeter) for formal meetings and star parties open to the public. The idea was well accepted but not voted on.

A Proposed, Salt Fork astronomy "Camp out" by Randal Leeson is still under advisement by the Board.

The ACA (Feed Fest) at the Galaxy in Wadsworth has been proposed for Oct. 15 or Oct. 22. the date will be decided at our meeting on September 22.

ACA Board Adjourned at 3:12.

*Lew Snodgrass  
ACA Secretary*

## **ACA NEWS AND NOTES** **October 2017**

### **ACA Meetings**

The next ACA membership meeting is scheduled for 8:00 p.m. on October 27th at New Franklin City Hall. Gary Kader is presenting on the topic Seeing Double: Double Stars for Fun and Science. Mark your calendars and attend! This month's refreshments will be provided by Ann Ferrell. Thanks, Ann!

### **Membership Renewal**

Your ACA membership renewal is now due! Please come to the meeting prepared to renew or send your membership dues to ACA Treasurer Nick Mihiylov, 13495 Mogadore Ave. NW, Uniontown, Ohio 44685-9347. ACA and its outreach programs thank you for your continued support!

### **Star Parties**

Upcoming star parties are scheduled for October 14th at 6:45 p.m. and October 21st at 7:00 p.m. A presentation entitled Anthropic Principle and Autumn Sky Tour will precede star party viewing on October 14th. Come out to the observatory and support!

### **Author Event**

The Cuyahoga County Public Library's South Euclid-Lyndhurst Branch will be hosting the appearance of Dava Sobel, New York Times Science reporter, on Monday, November 6th at 7:00 p.m. Sobel will discuss her latest book, "The Glass Universe: How Ladies of the Harvard Observatory Took the Measure of the Stars", a true story of the women whose contributions to astronomy forever changed our understanding of the stars.

The book was nominated for the 2017 Pen/E.O. Wilson Literary Science Writing Award and was named one of the best books of 2016 by NPR, The Economist, and Smithsonian among others. There will be a book signing after the author talk.

## **ACA Meeting Minutes September 22, 2017**

**Venue:** 2018 New Franklin Township Hall.

**Guest speaker:** 8:04 technical Problems delay our speaker till 8:14.

ACA was proud to have Cleveland State Astronomer Dr. Jay Reynolds and noted host of TV 3s "What's in the Sky". Presenting his program on "The Cassini" mission.

Break at 9:09.

**Business meeting:** Called to order at 9:30.

Webmasters report: Dave Jessie, Our website had some minor problems, but they are all under control. Dave reminded us of the Kiwanis Rose sale, \$15 for a dozen roses delivered anywhere in Summit County, our web page has the link.

Secretary's Report: Lew read the minutes from the Board meeting of Sept.17, 2017.

Treasurer's Report: Nick reminded us all that it is DUES TIME once again. Nick reported \$921.99 in checking, 2566.45 in our money market, and \$50 in petty cash. Reimbursements were made to Ron for observatory improvements. Nick mentioned that our clubs insurance was coming due soon; about \$400.

**Old business:** support/explore the Night Sky Network.

Thanks to Ann for this evenings refreshments. New volunteers needed.

ACA Swag: Lew is looking into getting some ACA bumper stickers and appliques for the club.

Thanks given to Gregg for compiling a list of ACA properties/equipment.

Ann urges members to write something for our publication "The Night Sky".  
Send your writings to Marissa at speedymissy@yahoo.com.

ACA, Galaxy (Food Fest): a vote was taken, and passed, Oct. 15 at 2pm. Yeay!

**Observatory report:** Ron, Star Party Saturday Sept. 23, at 7:45, (Classical Music Night).

Call for observations: Mark Kocheiser shares his video of the total eclipse in Tennessee.  
Thanks Mark, it was spectacular.

Jim Watson shared his total eclipse experience using his radio telescope. Very interesting phenomena pertaining to sun spots and pre and post signal readings.

**New business:** The Science Olympiad at Copley High, we need a volunteer to be a coach.

Adjourned: at 10:06 by voice vote.

*Lew Snodgrass  
ACA Secretary*

## October Astronomical Events

3 12 Neptune 0°.7 N. of Moon Occn.  
5 13 Venus 0°.2 N. of Mars  
5 19 FULL MOON  
6 16 Uranus 4° N. of Moon  
8 21 Mercury in superior conjunction  
9 06 Moon at perigee  
9 19 Aldebaran 0°.6 S. of Moon Occn.  
12 12 LAST QUARTER  
15 11 Regulus 0°.2 S. of Moon Occn.  
17 10 Mars 1°.8 S. of Moon  
18 00 Venus 2° S. of Moon  
19 18 Uranus at opposition  
19 19 NEW MOON  
24 12 Saturn 3° S. of Moon  
25 02 Moon at apogee  
26 18 Jupiter in conjunction with Sun  
27 22 FIRST QUARTER  
29 00 Pallas at opposition  
30 21 Neptune 0°.9 N. of Moon Occn.

## November Astronomical Events

1 15 Venus 4° N. of Spica  
3 01 Uranus 4° N. of Moon  
4 05 FULL MOON  
6 00 Moon at perigee  
6 03 Aldebaran 0°.8 S. of Moon Occn.  
10 21 LAST QUARTER  
11 17 Regulus 0°.4 S. of Moon Occn.  
12 15 Mercury 2° N. of Antares  
13 06 Venus 0°.3 N. of Jupiter  
15 01 Mars 3° S. of Moon  
16 09 Vesta 0°.4 N. of Moon Occn.  
16 21 Jupiter 4° S. of Moon  
18 12 NEW MOON  
20 09 Mercury 7° S. of Moon  
21 00 Saturn 3° S. of Moon  
21 19 Moon at apogee  
22 21 Neptune stationary  
24 00 Mercury greatest elong. E. (22°)  
26 17 FIRST QUARTER  
27 05 Neptune 1°.2 N. of Moon Occn.  
28 00 Mars 3° N. of Spica  
28 09 Mercury 3° S. of Saturn  
30 10 Uranus 4° N. of Moon

*Information Credited,  
Her Majesty's Nautical Almanac Office,  
United Kingdom Hydrographic Office.  
US Naval Observatory.*

## Member Photos



The image below was taken through my Meade 14" f/8 LX850 ota mounted on my AP1200 mount. The camera used was the fantastic resolution camera the ZWO ASI224MC camera. The images are at f/16 by using my Televue 2x Big Barlow. It was processed using FireCapture software. Diameter=18.13", Magnitude=0.13, Start=10:11pm EDT, End=10:16pm EDT, Duration=5.0 minutes, Frames captured=17,521 at 58/FPS (avg), File type=AVI, Sensor temperature=82.4 ° F. Image by ACA member Leonard Marek.

## ACA Eclipse Party 2017









# *The Night Sky*

Newsletter of the Astronomy Club of Akron

c/o Marissa Fanady, Editor

443 Fernwood Ave.

Tallmadge OH, 44278

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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),