



The Night Sky

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

Volume 38 Number 10

October 2016

Next Meeting: Friday - October 28, 2016 - 8:00 PM - New Franklin

The Presidents Column

By Cathy Loboda

In recent issues, I have shared information on International Dark Sky Parks within driving distance of the Akron metropolitan area. These articles prompted discussion and a desire to schedule ACA events which give members the opportunity to travel to nearby dark skies. At our September membership meeting, ACA member Fred Huffman suggested we plan an observing trip to Salt Fork State Park. Fred has traveled in search of dark skies extensively and believes the Salt Fork State Park skies rival the dark skies of Cherry Springs International Dark Sky Park in Pennsylvania. If you are interested in going on a road trip for observing the best skies in Ohio, be a part of the ACA field trip to Salt Fork State Park on November 19th. Salt Fork State Park is approximately 80 miles south of Akron. Members will travel on their own accord or carpool. Park officials will be made aware of the

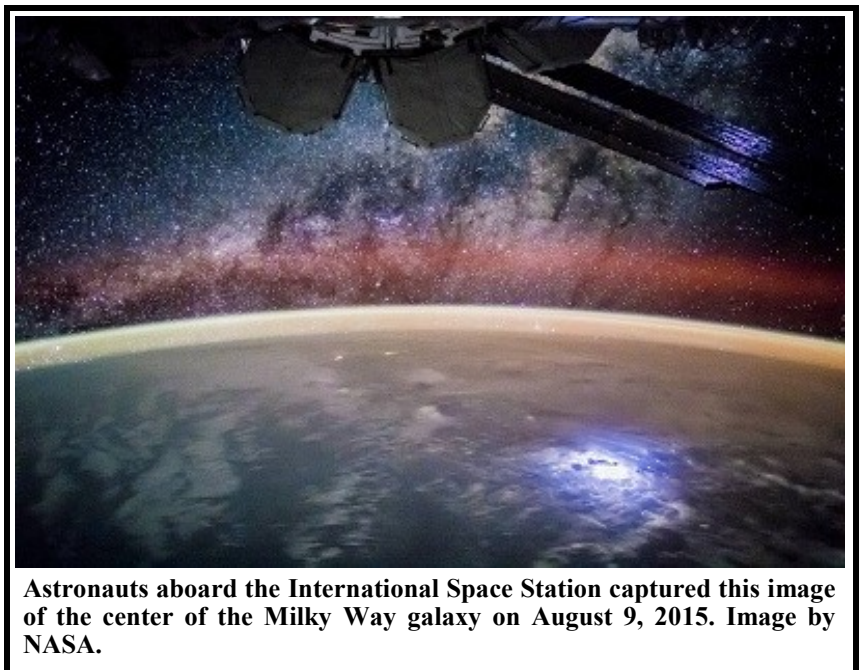
event and those who are able will set up telescopes on a paved parking lot. The ACA Board asks you to RSVP to President Cathy Loboda at cnloboda@aol.com so the club is able to inform park officials of the number attending. Also, please note at the time of your RSVP if you will bring a telescope to set up.

In the event you are planning a fall foliage tour through the hills of Pennsylvania, you may be interested to know travel time to Cherry Springs International Dark Sky Park is a mere 4 hours and 8 minutes. The 82 acre park is surrounded by the 262,000 acre Susquehannock State Forest, contributing to the park's remote locale and dark skies. The park's website boasts the park is "nearly as remote and wild today as it was two centuries ago." The park is named for the large stands of black cherry trees originally found in the area.

After some research, I discovered more about the park. In 1998, an astronomy website posted Phil Harrington's list of the darkest skies in the state of Pennsylvania. The list noted Cherry Springs offered a 360 degree view of a night sky with no light pollution. This attracted independent astronomers to the park and it was soon used regularly for observing. The following year, the Black Forest Star Party was held at Cherry Springs. This annual event brings together hundreds of amateur astronomers to socialize and explore the dark skies over Potter County Pennsylvania.

Recognizing the location's dark skies needed protection, The Pennsylvania Department of Conservation and Natural Resources declared Cherry Springs State Park the state's first Dark Sky Park in 2000. This led to the development of free public astronomy programs.

(con't page 4)



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Lou Poda

September Treasurer's Report

By Nick Mihiylov

9/1/2016 Through 9/30/2016

Checking Beginning Balance	\$670.01
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Income

Membership Dues	885.79
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Total Income	\$885.79
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Expenses

Speakers Dinner	-33.00
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Total Expenses	-33.00
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Income Less Expenses	-\$852.79
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Checking Ending Balance	\$1,522.80
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Savings Beginning Balance	\$2,566.00
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Earned Interest	0.04
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Savings Ending Balance	\$2,566.04
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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	2,566.04
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Checking	1,522.80
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Grand Total	\$4,138.84
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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.

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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
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to the newsletter
editor:

speedymissy@yahoo.com

The Presidents Column Con't

After the Stars-N-Parks Program launched in 2002, the Cherry Springs Dark Sky Fund was created through the Pennsylvania Parks and Forests Foundation. Taking advantage of this momentum, The Potter County Visitor Association featured the Aurora Borealis over Cherry Springs on its visitor's guide. The 2003 guide cover coined the slogan, "Potter County, Pennsylvania's Star Gazing Capital" and it continues to attract those who seek the "untouched, unspoiled" theme that Potter County tourism offers.

In December 2004, after the Department of Conservation and Natural Resources launched the Pennsylvania Wilds initiative to grow tourism and business in north central Pennsylvania, the Early Implementation Conceptualization plan for Cherry Springs State Park was complete. It was entitled Pennsylvania Wilds Dark Skies. This recognized Cherry Springs as a model site for viewing and photographing the sky. It also outlined a strategic plan for developing and enhancing the night sky recreation infrastructure, programming, and staffing needs.

All of these events lead to the submission and processing of applications to the International Dark Sky Association. In 2008, Cherry Springs State Park was awarded International Dark Sky Park status with designation as a Gold Level International Dark Sky Park, the highest designation given to a dark sky site. At that time, Cherry Springs was the second International Dark Sky Park in the entire world.

Due to its exceptionally dark skies, Cherry Springs State Park remains one of the best places in the eastern United States for stargazing. Each year the park hosts star parties that attract hundreds of astronomers for multiple night events. The next posted scheduled event is the Black Forest Star Party scheduled for September 22-24, 2017. The weekend event is hosted by the Central Pennsylvania Observers. Participants must register to attend all activities, except the public star party on Saturday, September 23, from 8:00 p.m.-11:00 p.m. If you are interested in attending and want more information, you can view the event website at <http://www.bfsp.org>. Cherry Springs State Park is located at 4639 Cherry Springs Road, Coudersport, PA.

*Article By Cathy Loboda
ACA President*

ACA Board Meeting September 18, 2016

In attendance: Gregg Crenshaw, Marissa Fanady, Freddy Huffman, Cathy Loboda, Ann Ferrell, Nick Mihiylov and Dave Jessie.

ACA-Board meeting was called to order at 2:10 p.m. Cathy Loboda opened the meeting with a thank you to all those who brought food items and helped in the set-up/clean-up at our annual ACA picnic. We had 15 attendees who enjoyed a feast!

Telescope Donations: At this time, and after much discussion, the board has decided NOT to accept additional equipment/telescope donations. Transportation to PA Allegheny Observatory Cathy has received 10 tentative reservations for our tour of the facility. No bus will be provided and members need to find their own transportation. We will elaborate at our meeting this Friday and remind members that we have this wonderful opportunity.

Outreach Programs: Camp Carl, October 13, 2016. Cathy will contact Director Scott requesting particular information or curriculum needed for their program. Suggestion from the Board is the Night Sky resources available to ACA members. Glenn Cameron has all the materials and information.

Concern: October 13th is a Thursday night and just 4 days from a full moon. Venus and Neptune would be too small to appreciate.

Service Awards: Dave Jessie contacted Jennifer Toch, today and copied the board. Thank you Dave! List of ACA properties and ACA assets need to be listed per our By-Laws; presently, no such list exists.

Treasurer's Report: Nick Mihiylov sent out 211 reminder emails to the memberlist regarding dues. As of September 18th we have only 38 paid members and our funds are extremely low. Checking: \$1,125. Savings: \$2,566. Insurance is our next big expense.

BUDGET CONCERNS: Currently, we do not have a budget and no more money will be spent until we create one.

Submitted by Ann Ferrell, Asst. Secretary/Treasurer

ACA Meeting Minutes September 23, 2016

Venue: New Franklin City Hall.

Attendance: 32.

Guest speaker: 8:01 Prof. Gary Kader of Baldwin Wallace University and Director of the Burrell Observatory. Subject: "Copernicus to Newton, 150 Things That Changed the World".

Break: 9:15 – 9:25.

Business Meeting: Called to order at 9:28 by Dave Jessie.

Dave Jessie: Offered thanks to Mark Koeheiser for arranging for the change of venue. Dave also encouraged support for the Kiwanis' (Rose Drive) and instructions on how to participate. Dave mentioned ACA Ohio State Service Award from State Representative Anthony DeVitis.

Cathy Loboda presiding over New Business: Allegheny Observatory trip, we have 8-10 reservations, ACA has 20 spaces reserved, we must provide our own transportation. The trip is scheduled for Friday Oct. 14 at 8pm.

Gregg: Mentioned the Hidden Hollow Star Party: October 1 with a \$15 fee, 1 hour drive.

Next order of business: Dates for the ACA Winter Club Dinner, Mid-January was suggested. Volunteers needed for the Home-School Star Party, dates to be announced.

Observatory Director's report: Ron Kalenoski, All is well, fence work is in progress. Our next star party Saturday September 24 at 7:45. Deb suggested we install a (Red Light) over our sign in book at the observatory.

Observations: Freddy offered info on some great dark sky sites: Calhoun Co. West Virginia and Salt Fork about 80 miles south, "A great dark sky site with facilities".

Meeting adjourned at 10:13.

*Lew Snodgrass
ACA Secretary*

October Astronomical Events

Day Hour(UT)

1 00 NEW MOON
3 17 Venus 5°S. of Moon
4 11 Moon at apogee
6 08 Saturn 4°S. of Moon
8 02 Pallas stationary
8 12 Mars 7°S. of Moon
9 05 FIRST QUARTER
11 04 Mercury 0° .9N. of Jupiter
13 06 Neptune 1° .2S. of Moon Occn.
15 11 Uranus at opposition
16 02 Uranus 3°N. of Moon
16 04 FULL MOON
17 00 Moon at perigee
19 07 Aldebaran 0° .3S. of Moon Occn.
21 05 Ceres at opposition
22 19 LAST QUARTER
26 04 Venus 3°N. of Antares
27 16 Mercury in superior conjunction
28 10 Jupiter 1° .4S. of Moon
30 08 Venus 3°S. of Saturn
30 18 NEW MOON
31 19 Moon at apogee

November Astronomical Events

Day Hour(UT)

2 19 Saturn 4°S. of Moon
3 04 Venus 7°S. of Moon
6 12 Mars 5°S. of Moon
7 20 FIRST QUARTER
9 15 Neptune 1° .0S. of Moon Occn.
12 11 Uranus 3°N. of Moon
14 11 Moon at perigee
14 14 FULL MOON
15 17 Aldebaran 0° .4S. of Moon Occn.
18 21 Mercury 3°N. of Antares
20 10 Neptune stationary
21 09 LAST QUARTER
25 02 Jupiter 1° .9S. of Moon
27 20 Moon at apogee
29 12 NEW MOON
29 20 Juno in conjunction with Sun

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

October 28, 2016 - General Membership Meeting



Speaker: Dr. Earle Luck, Professor of Astronomy at Case Western Reserve University.

Presentation: The Via Lactea - Professor Luck will give an overview of the components and structure of the Via Lactea – the Milky Way. Old problems will merge into recent research giving a glimpse into the dynamic evolution of our understanding of the properties and evolution of our host galaxy.

About our speaker: R. Earle Luck is the Worcester R. and Cornelia B. Warner Professor of Astronomy at Case Western Reserve University. His research interests concentrate on problems of stellar evolution and physics coupled to galactic chemical evolution. His primary tools in this endeavor are abundance studies of stars based on high-resolution spectroscopic data and detailed modelling of stellar physics. When not considering the details of stellar abundances, Professor Luck often looks to the past in a consideration of archaeoastronomy, a subject about

which he teaches a writing course for entering first-year CWRU students.

New Alternate Meeting Location!!!

New Franklin City Hall
5611 Manchester Road
Akron, OH 44319

Where is New Franklin City Hall?:

- 1) It's on Manchester Road, the same road as the entrance to Portage Lakes State Park.
- 2) It's ONE MILE south of the PLSP entrance we use to get to the Observatory..
- 3) It's on the North East corner of the Manchester Road / Center Road intersection.
- 4) It's BEHIND the New Franklin Fire Station.
- 5) Enter the parking lot from either Manchester Road or Center Road.

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!

Note From The Editor

By Marissa Fanady

After Nearly seventy years of providing the public in northeast Ohio with education in the field of astronomy I am extremely pleased to inform our readers that the Astronomy Club of Akron has been given commendations from our State Representative, Anthony DeVitis, and the Ohio House of Representatives! Founded in 1949 the ACA strives to promote the interest, education, and advancement of its members and the general public in amateur astronomy. The Astronomy Club provides many educational opportunities through our outreach events that include free observing sessions located at our observatory in Portage Lakes State Park, lectures given by our guest speakers during monthly meetings, and by providing camps, schools, Boy Scouts and Girl Scouts observing sessions and lectures. Also, we attend various special events like Astronomy Day located at the Cleveland Museum of Natural History to inform the public on the subject of astronomy. Members of the ACA donate their time and energy to provide these services to anyone with an interest in the stars, so it is with great pleasure that I extended a most sincere thank you and a huge congratulations to all members for their service! Your persistence and hard work has clearly been shown and recognized, you have made the club what it is today and this process will continue to grow our organization. The Astronomy Club of Akron will continue to promote astronomy to the general public for years to come.

*Article by Marissa Fanady
ACA Publications Secretary*

ACA NEWS AND NOTES

Mark Your Calendars

Observatory Director Ron Kalinoski will have the ACA observatory open at 7:00 p.m. on October 22 and October 29 for our scheduled star parties, weather permitting. These dates conclude this year's scheduled star parties. Check the ACA website for the updates as each date nears. Come out in support of the events and enjoy fellowship with the public and each other!

Membership

The ACA Board and Treasurer Nick Mihiylov wants to remind you that ACA's calendar year began in September when our monthly meetings resumed. Please turn in your membership dues now to ensure ACA has the financial support needed to continue serving Akron and its neighboring communities.

Meeting Refreshments

The ACA Board is asking for volunteers to provide simple refreshments for our monthly meetings. This break between speaker and the membership meeting is a valuable time to chat with the speaker or friends as we refresh and build bonds. The Board thanks all who volunteered for the upcoming months. Your willingness to provide is truly appreciated!

We still need a few volunteers to commit to one of two monthly meetings in spring to cover the remainder of the meetings for the club's calendar year. Contact President Cathy Loboda at cnloboda@aol.com to volunteer.

Field Trip

ACA members are invited to participate in a fall field trip to Salt Fork State Park on November 19th for a star party under dark skies. Members will travel on their own accord or car pool. If you are bringing a telescope to the event, please note this in your RSVP to President Cathy Loboda at cnloboda@aol.com. Salt Fork State Park is approximately 80 miles south of the Akron metropolitan area. We hope you will be a part of this special event.

The Night Sky

Newsletter of the Astronomy Club of Akron

c/o Marissa Fanady, Editor

443 Fernwood Ave.

Tallmadge OH, 44278

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

(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,