



The Night Sky

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

Volume 40 Number 4

April 2018

Next Meeting: Friday - April 27, 2018 - 8:00 PM - Kiwanis Center

ACA News and Notes **April 2018**

ACA Meetings

The next ACA membership meeting is scheduled for 8:00 p.m. on April 27th at Portage Lakes Kiwanis Center. The Kiwanis Center is located at 725 Portage Lakes Drive, Akron. The slate of officers was presented at the March meeting and will be voted upon during the April meeting. Our new officers begin their term on May 1st. Hope to see you all at the meeting!

Members Social

ACA members mark your calendars! Our annual ACA summer picnic is scheduled for Sunday, August 26th at the Big Oaks Shelter in Portage Lakes State Park. Details are forthcoming.

Star Parties

Upcoming Star Parties are scheduled for May 12th at 8:30 p.m. and May 19th at 8:45 p.m. Stop in at the ACA Observatory and support these outreach events!

The Astronomical League

At the March ACA meeting, there was a discussion about ACA joining The Astronomical League for an annual fee of \$10. This allows ACA members to join the league for an annual individual fee of \$7.50. Joining will give member benefits which include the league's quarterly publication. If you are interested in joining, please bring your \$7.50 dues to the ACA April meeting. Please note your check is for the Astronomical League.

Spring Field Trip

With maintenance scheduled this spring at the Geauga County Observatory Park, members voted to visit the Warren Rupp Observatory located on the grounds of Hidden Hollow Camp in Bellville. The observatory is open for tours at 7:00 p.m. before scheduled star parties on the first Saturday of the month. Saturday, May 5th is the next scheduled star party. If you plan on traveling to the Warren Rupp Observatory, please commit to attending before the April 27th meeting by emailing President Cathy Loboda at cnloboda@aol.com. The observatory's address is: 5127 Possum Run Road, Bellville, Ohio 44813.

OFFICERS 2016 – 2018

President

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

Vice President

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

Treasurer

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

Secretary

Lew Snodgrass
Phone: 330-867-4800 E-mail: CHRPLY@aol.com

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: speedymissy@yahoo.com

Trustee

Fred Huffman
E-mail: trusstube2@gmail.com

Trustee

Gregg Crenshaw
E-mail: rigelstarman@gmail.com

Trustee

Statutory Agent

Mark Kochheiser
Phone: E-mail: mkochheiser@neo.rr.com

OTAA Representative

Lou Poda

March Treasurer's Report

By Nick Mihiylov

3/1/2018 Through 3/31/2018

Checking Beginning Balance	\$825.56
Income	
Memberships	60.00
Total Income	\$60.00
Expenses	
Speaker Dinner Reimbursement CK #1219 - Ann Ferrell (Tom Benson)	-32.97
Speaker Dinner - Jason Davis	-32.00
Total Expenses	-64.97
Income Less Expenses	-\$4.97
Checking Ending Balance	\$820.59
<hr/>	
Savings Beginning Balance	\$2,566.72
Earned Interest	0.04
Savings Ending Balance	\$2,566.76
<hr/>	
Petty Cash Beginning Balance	\$50.00
	0.00
Petty Cash Ending Balance	\$50.00
<hr/>	
Petty Cash	50.00
Savings	2,566.76
Checking	820.59
Grand Total	\$3,437.35

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:**

speedymissy@yahoo.com

ACA Meeting Minutes March 23, 2018

Venue: New Franklin City Hall.

Attendance: 39.

Guest Speaker: 8:00, Dave Jessie introduces our guest speaker Jason Davis, Planetarium Director, of the Cleveland Museum of Natural History. Topic: “Bad Astronomy”.

Business Meeting: Called to order at 9:25.

Officers’ Reports:

Vice President, Dave Jessie, all ok.

Secretary, Lew Snodgrass, read minutes from last month.

Treasurer, Nick Mihiyov, checking-\$825.56; Savings-\$2,566.22; Petty Cash-\$50; Total-\$3,442.28. Two new members, Justin and Mike.

Committee Reports: Freddie Huffman reports that we have a full slate of candidates for this springs election of officers.

President.....Cathy Loboda
Vice President.....Justin Phillips
Secretary.....Terry Taylor, (Asst. Sec. Ann Farrell)
Treasurer.....Nick Mihiyov
Observatory Director, Ron Kalinoski
Publication Secretary, Marissa Fanady
Trustee.....Gregg Crenshaw (Appointed)

Old Business: Spring Members Field Trip: Observatory Park in Geauga County. Postponed due to technical difficulties with the Nassau Observatory dome.

Change the format of the “Night Sky “ All in favor. Yes.

Name Tags: Plastic name tags \$6 each, vote taken, all No. Paper sticky name tags, vote taken, Yes, passed.

New Business: Learning and Development Team: Signet Jewelers, May 2. Gregg Crenshaw will man a booth for the ACA.

Wayne College 2nd Annual Mini-Faire: May 19. Glenn Camron has this covered for the ACA.

Summer picnic-August 26, the shelter has been reserved.

15th Annual Green Bank Star Quest: July 11-14, being considered, no vote.

Membership in Astronomical League, Passed, ACA will spend \$10 to join, 5 ACA members will spend \$7.50 for the minimum membership requirement.

Observatory Director’s Report: Our last star party (3/17) was a success! Great seeing, good turnout. April 7th will be our Messier Marathon.

Call for observations: Jim Watson gave a great presentation of his data collected during last summer’s eclipse collected from his “Radio Telescope” good job Jim, very interesting!

Adjourned: at 10:06 by voice vote.

*Lew Snodgrass
ACA Secretary*

April 27, 2018 - General Membership Meeting

Speaker: Brandon Shaw.

Presentation: "Venus in the Lab: Planetary Exploration Through Simulation" Even today, there is ambiguity on exactly what processes are taking place on the surface of our closest and most similarly-sized planetary neighbor: Venus. Shrouded by an atmosphere 92x as thick as the Earth's and composed mainly of the greenhouse gas carbon dioxide, surface temperatures regularly reach nearly 500°C (over 930°F). Both historical and current investigations of Earth, Venus, and Mars suggest that interactions between the atmosphere and crust play a critical role in the climatic evolution and habitability of a planetary surface. In the absence of reliable data from Venus' surface, experiments provide one of our best resources for improving our understanding of how that planet works. We have completed a series of experiments designed to further our understanding of atmosphere-driven weathering and alteration of basaltic materials that may be occurring on Venus today. These experiments simulate the exposure of fresh basaltic rock at Venus's surface. Our experiments expose representative igneous phases (mineral, glasses and rocks) to the world's best simulation of Venus surface conditions using the NASA Glenn Extreme Environment Rig (GEER) located at the NASA Glenn Research Center in Cleveland, Ohio. The results of these experiments suggest answers to several key questions pertaining to the surface and atmosphere of Venus and the evolution of terrestrial planets in general.

About Our Speaker: Brandon Radoman-Shaw graduated with honors from Trinity University in San Antonio, TX with a B.S. in Geoscience in 2012 with a thesis on Venus mapping. Brandon is working on a doctoral thesis in Venusian geochemistry with Dr. Ralph Harvey at Case Western Reserve University in Cleveland, Ohio. He has also completed research on anomalously large metal nodules in ordinary chondrite meteorites.

Meeting Location:

**Portage Lakes Kiwanis Civic Center
725 Portage Lakes Dr.
Akron, OH 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!

Join the Astronomical League!

Gregg Crenshaw will be collecting the \$7.50 Astronomical League (AL) member dues at the April 27 meeting. He will need to make sure the ACA database has the correct address for each member that joins so each member receives The Reflector, the AL quarterly publication. He will be sending a special spread sheet to the AL with the member's who pay the \$7.50 member dues name, address, and some additional information he will compile when he collects the \$7.50 member dues. The information and dues need to be sent to the Astronomical League by July 1st so members will receive the September issue of the Reflector.

Need of a volunteer:

Gregg Crenshaw is looking for a club member or two to volunteer to help at an educational booth the ACA will be hosting at the Local Enrichment Resource Fair at Signet Jewelers (Sterling Jewelers) main office in Fairlawn on May 2 from 11:00 AM (set up 10:00 AM) until 2:00 PM. This is a great opportunity to distribute ACA/Astronomy information and talk Astronomy as over 2,000 people work at Signet Jewelers main office and a great many of them will come through the fair. If you will need to eat something during that time you would be able to bring a small cooler with food.

If you are interested please email Gregg Crenshaw at rigelstarman@gmail.com or let him know at the April 27 meeting.

2018 Slate of Officers

President:

Cathy Loboda

Vice President:

Justin Phillips

Secretary:

Terry Taylor

Treasurer:

Nick Mihilylov

Publications Secretary:

Marissa Fanady

Assistant Secretary and Treasurer:

Ann Ferrell

April Astronomical Events

Day Hour(UT)

1 18 Mercury in inferior conjunction
2 12 Mars 1°.3 S. of Saturn
3 14 Jupiter 4° S. of Moon
7 13 Saturn 1°.9 S. of Moon
7 18 Mars 3° S. of Moon
8 06 Moon at apogee
8 07 LAST QUARTER
12 23 Neptune 1°.9 N. of Moon
14 04 Mercury stationary
14 09 Mercury 4° N. of Moon
16 02 NEW MOON
17 19 Venus 5° N. of Moon
18 02 Saturn stationary
18 14 Uranus in conjunction with Sun
19 05 Aldebaran 1° .1 S. of Moon Occn.
20 15 Moon at perigee
22 22 FIRST QUARTER
23 02 Pluto stationary
24 20 Regulus 1° .2 S. of Moon Occn.
29 18 Mercury greatest elong. W. (27°)
30 01 FULL MOON
30 17 Jupiter 4° S. of Moon

May Astronomical Events

Day Hour(UT)

3 17 Venus 7° N. of Aldebaran
4 20 Saturn 1° .7 S. of Moon
6 01 Moon at apogee
6 07 Mars 3° S. of Moon
8 02 LAST QUARTER
8 10 Vesta stationary
9 01 Jupiter at opposition
10 09 Neptune 2° N. of Moon
12 21 Mercury 2° S. of Uranus
13 15 Uranus 5° N. of Moon
13 17 Mercury 2° N. of Moon
15 12 NEW MOON
16 13 Aldebaran 1° .2 S. of Moon Occn.
17 18 Venus 5° N. of Moon
17 21 Moon at perigee
22 04 FIRST QUARTER
27 18 Jupiter 4° S. of Moon
29 14 FULL MOON

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

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Newsletter of the Astronomy Club of Akron

c/o Marissa Fanady, Editor

1134 North 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,