



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 36 Number 11

November 2014

Next Meeting: Friday - November 21, 2014 - 8:00 PM - Tudor House



The Elephants Trunk Nebula (IC 1396) - (right) Taken September 20, 2014 with FSQ-106N and QSI683WSG-8. By ACA member John Crilly.

The President's Column

By John Shulan



endeavor.

The last star party was exceptional. A beautiful sky, the milky way and

moderate temperatures. I was surprised there weren't more telescopes out! Ron did his usual outstanding job of taking visitors on a tour of the universe. I had a chance to do a PowerPoint for the members of Crown Point last Friday. I am always pleased with the interest the general public takes in astronomy. Getting our clubs activities better known in our community is a goal I want to pursue this winter so that our observatory will be crowded during the clear nights I am confident we will have next year. I am still looking for good ideas our members might have

to improve our club. Please submit those ideas in writing for the board to consider. The ACA will do a better job with the input of its members.

REMEMBER November 21st is our next club meeting AND it will be held at the Tudor House.

Clear skies,
John

*Article by John Shulan,
ACA President.*

OFFICERS 2014 – 2016

President

John Shulan

Phone: 330-836-0800 E-mail: john@shulans.com

Vice President

Ann Ferrell

Phone: 330-697-7279

E-mail: annhagemaster@sbcglobal.net

Treasurer

Glenn Cameron

Phone: 330-737-1472 E-mail: glenn@cameronclan.org

Secretary

Lew Snodgrass

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

Assistant Secretary/Treasurer

Cathy Loboda

Phone: 330-655-2933 E-mail: cnloboda@aol.com

Observatory Director

Ron Kalinoski

Phone: 330-837-5848

ACA Webmaster

Dave Jessie

E-mail: DJessie@neo.rr.com

Publications Secretary - Editor, Night Sky Newsletter

Jason Shinn

Phone: 330-685-5382 E-mail: truemartian@aol.com

Trustee

Fred Huffman

E-mail: trusstube2@gmail.com

Trustee

Trustee

Statutory Agent

Mark Kochheiser

Phone: 330-882-3713 E-mail: mkochheiser@neo.rr.com

OTAA Representative

Lou Poda

October Treasurer's Report

By Glenn Cameron

10/1/2014 Through 10/31/2014

Checking Beginning Balance	\$3,479.54
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Income

0.00

Total Income	\$0.00
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Expenses

Speakers Dinner	-44.36
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Metisentry Web Hosting	-57.81
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Total Expenses	-\$102.17
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Income Less Expenses	-\$102.17
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Checking Ending Balance	\$3,377.37
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Savings Beginning Balance	\$2,579.80
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Earned Interest	0.07
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Savings Ending Balance	\$2,579.87
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Petty Cash Beginning Balance	\$59.55
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50/50 Raffle	11.00
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Petty Cash Ending Balance	\$70.55
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Petty Cash	70.55
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Savings	2,579.87
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Checking	3,377.37
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Grand Total	\$6,027.79
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Article by Glenn Cameron
ACA Treasurer.

SWAP & SHOP



FOR SALE:

22mm Orion Epic ED-2 ED Eyepiece
25mm Orion Epic ED-2 ED Eyepiece

Asking: \$25 each
 Contact: Glenn Cameron
 Phone: 330-737-1472
 Email: glenn@cameronclan.org



FOR SALE:

Orion Sirius 40mm Plossl

Asking: \$25
 Contact: Glenn Cameron
 Phone: 330-737-1472
 Email: glenn@cameronclan.org

FOR SALE:

Meade LX80 Mount

- Tripod.
- One counterweight.
- Autostar and battery box power supply.
- Cigarette lighter power cable.
- Selling because of upgrade to LX80 mount.
- LOCAL PICKUP is necessary.

Asking: \$325 OBO
 Contact: Glenn Cameron
 Phone: 330-737-1472

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 adapter.
- JMI custom hard shell case for telescope.

All 8 months old, brand new condition.

Asking: \$2200

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:

Televue Radian 12 mm Eyepiece



- Excellent condition.

Asking: \$180 (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.

FOR SALE:

Televue Radian 18 mm Eyepiece



- Excellent condition.

Asking: \$180 (cash)
 Contact: Fred Fry

Email: riverfry@gmail.com

FOR SALE:

15mm Ultra-Wide Angle Eyepiece



Asking: \$40
 Contact: Lew Snodgrass
 Phone: 330-819-4886
 Phone: 330-867-4800 Ask for Lew.
 Email: chrply@aol.com

Advertise in the Swap n Shop!

Send a picture of your ASTRONOMY RELATED item and relevant information

Mini Maker Faire

By Marissa Fanady



On Saturday October 18th the Akron Public Library held a special event where vendors of many activities, hobbies, sciences, innovations, and educations were welcome to entertain as well as educate the general public. The Astronomy Club of Akron was invited to be one of the vendors and I'm glad to say we had a very successful event! We had great support of ACA members who came out to help man our booth and hand out information about our club and educate people of all ages about our universe. Jason Shinn and Ann Ferrell were the first to arrive to set up the table and poster boards of the many astrophotos our members have created. As you all may know Jason has to work third shift so he could not stay for the event but our deepest thanks go out to him for his assistance with setting up and the preparations he made. Myself was the next to arrive and Ann assisted in setting up my meteorites for all to enjoy. Later Dave Jessie and Rosie showed up to help followed by Gregg Crenshaw and Russ Ferrell. All who were able to attend did a tremendous job and my thanks go out to you all for your help.

The Mini Makers Fair produced a very nice turnout with people of many ages, cultures, backgrounds, and education. There were even many different languages all around showing that we are not just Americans anymore but just one place where we are all equal and eager to learn anything. Of course the most abundant age group were children excited to see all of the amazing things the booths had to offer. Kids could make their own putty, hats, and other crafts, watch a kite fly, hear a



Ann, Russ, Dave, and Rosaelena represent the ACA at the library's Maker Faire (top). Dr. Kevin Manning explaining telescope making and astrophysics (bottom).

band play, and check out some robotics. They could see a three dimensional printer one of which the library owns, learn about neutrinos, how to build a telescope, and even touch space! Actually the telescope making booth was well placed right next to us and the gentleman manning the booth was Dr. Kevin Manning. He also gave a talk on telescope making during the fair. We had the pleasure

of meeting him about a year ago when he gave a lecture on astronomy and the ACA was invited to set up a table to help educate the public and promote our club.

The library provided Makers, the vendors, with free water, pop, coffee, and juice as well as pizza and baked goods. A Swenson's food truck also provided lunch but at a price.

November 21, 2014 General Membership Meeting

By Ann Ferrell

Hello Fellow Member of the ACA! Last Friday evening, Dr. Robert Owen gave an incredibly beautiful presentation about wormholes, time travel and Interstellar travel. While his talk was geared largely towards non-scientists, I found myself scribbling madly. His talk was not only thought provoking but very convincing! Members found they had more questions than Rob had time to answer. Kudos Dr. Owen!

For November our speaker is Sharon Shanks, Lecturer and Director of the Ward Beecher Planetarium in

Youngstown, Ohio.

Presenting:

Is it Live or is it MEMOREX

Astronomy is the oldest of the sciences and the one that intrigues people the most. Almost as old are attempts to "capture" the stars, which eventually led to the development of planetariums. Although a planetarium sky is no comparison to the real sky, it does act as a gateway to the universe for many people. This talk looks at the development of planetariums and the joint role they play with amateur astronomers in sharing the wonder of the stars.

Several ACA members attended the MVAS annual picnic and program event last August and have heard

Sharon speak about this topic. She is very animated and has a delightful sense of humor; You will enjoy her presentation.

Our November meeting location is: Franklin Park Civic Center "The Tudor House" at Portage Lakes State Park, 5031 Manchester Road, Akron 44319. Check the website for directions to The Tudor House. <http://www.acaoh.org/>

We will host a dinner for our speaker at 93 Prime on Manchester Rd. at 6:30 p.m. E-mail Ann Ferrell for reservations:

annhagemaster@sbcglobal.net.

Clear Skies,

Ann Ferrell

*Article By Ann Ferrell,
ACA Vice President.*

Maker Faire Con't

Each member took shift throughout the five hour fair giving each other small breaks. The library staff were also on hand to watch a Makers table so he/she could take the time to get refreshments. Everyone worked amazingly and the fair was a great success without any incidents or injuries, just good times to be had by all.

Ann and Jason set up our table with flyers containing our website, scheduled star parties, and guest speakers who'll be coming to our next few monthly meetings. We also had a word search and stickers for the children and magazines for people to look through. Gregg bought a nice book filled with astrophotography and of course the many different amazing astrophotos our members have taken were displayed nicely on poster boards. Also on display for all to see and touch were some meteorites from my personal collection as well as my book on meteorites and meteorite hunting by Geoffrey Notkin. Not only could people see and learn about

space but they could actually touch space, hopefully enhancing their experience. Nothing thrills me more than to hold matter in my hands, knowing the object was forged in the death of a star, and spent billions of years in space before finally landing on earth ending up in my possession. My meteorites surely enhanced our booth very nicely hopefully inspiring some young minds.

On display were a stone, stony-iron, and an iron meteorite for anyone to hold along with three more in cases. Inside these cases were a stone meteorite containing chondrules that formed 4.5 billion years ago, a small piece of Mars, and a piece of the asteroid that fell over Russia on February 15, 2013. A common question that folks kept asking me was "how do you know that rock came from Mars?" I'd tell them we know because we have the Mars rovers that have taken samples of the Martian soil, sending back the results of the robots analysis, and we compared those results with all known meteorites and we got matches. The part most enjoyable to me was

watching a child's reaction when telling them that these rocks actually came from space. Their eyes would become wide open and their jaws dropped to the floor. The chance to amaze these kids and open up their world is an experience that I'll never forget.

*Article By ACA member
Marissa Fanady.*

NEW IMAGES (Page 8)

By Bob Benedict

This is the North America and Pelican Nebulae. 44 x 2 minute ISO 1600 exposures taken with a modified Canon T3i through a William Optics Z80 II with an ATR8 reducer carried on an iOptron iEQ45Pro mount.

NEW IMAGES (Page 7)

By John Crilly

The Pacman Nebula (top)

NEW IMAGES (Page 7)

By Len Marek

IC 1795 (bottom) - 14" Meade LX850 OTA, SBIG ST8300M camera, 5X5 min ea, Hubble palette binned 2X2.

NEW IMAGES



NEW IMAGES

By Marissa Fanady

The Dumbbell Nebula M27 (top) and the Cigar Galaxy M82 (bottom). The images were taken with robotic telescopes via Slooh.com equipped with filters.

by Marissa Fanady

NEW IMAGES



by John Crilly



by Len Marek

NEW IMAGES



by Bob Benedict

THE ASTRONOMY CLUB OF AKRON

DECEMBER 2014 ACTIVITIES CALENDAR

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6 Full Moon 12:27UT 
7	8	9	10	11	12 Moon at apogee (farthest) at 23h UT.	13 THE GEMINID METEOR SHOWER PEAKS.
14 Last Quarter 12:51UT 	15	16	17	18	19	20
21 THE DECEMBER SOLSTICE OCCURS AT 23:03UT.	22 New Moon 1:36UT 	23	24 Moon at perigee (closest) at 17h UT.	25 MERRY CHRISTMAS!	26	27
28 First Quarter 18:31UT 	29	30	31	AKRON, OH SUNRISE DEC 1 7:32AM EST DEC 31 7:51AM EST SUNSET DEC 1 4:58PM EST DEC 31 5:07PM EST		

EST = UT - 5 hrs, EDT = UT - 4 hrs

The Night Sky

Newsletter of the Astronomy Club of Akron

c/o Jason Shinn, Editor
1026C Rocky Brook Dr.
Akron, OH 44313

The Astronomy Club of Akron
c/o Glenn Cameron
8019 Glendevan St. NW
Massillon, OH 44646-9018

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 May.

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,