



The Night Sky

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

Volume 40 Number 9

September 2018

Next Meeting: Friday - September 28, 2018 - 8:00 PM - New Franklin

ACA NEWS AND NOTES **SEPTEMBER 2018**

Annual Members Summer Picnic

The ACA annual membership picnic took place on Sunday, August 26th, at the Big Oaks Shelter in Portage Lakes State Park. The event was a great afternoon of food and fellowship, well attended and enjoyed by all. A heartfelt thank you to our grill master Ron Kalinoski, who purchased food for the event, cleaned and hauled the grill to the shelter, and grilled the burgers and dogs. Thanks, Ron! You are truly appreciated.

Star Parties

ACA has scheduled star parties on October 6th and the 13th, both at 7:45 p.m. These are the last scheduled observing events until next year. Thanks to Ron Kalinoski for serving as the observatory director, scheduling the star parties and working with the public during this worthy club outreach.

ACA Meetings

As summer quickly comes to an end, ACA membership meetings will soon resume. Our September meeting is scheduled for 8:00 p.m. on Friday, September 28th at New Franklin City Hall. Membership fees are due for the upcoming year on or before that date. You can also mail your dues directly 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, the membership picnic entree, pavilion fees, and any costs incurred in support of our outreach programs. Your membership is needed and much appreciated!

Astronomical League News

I received notification from the Astronomical League that they had received our information. The Astronomy Club of Akron is now an affiliated club of the Astronomical League. Those of you who paid the \$7.50 fee should receive your first quarterly Reflector newsletter in the next few weeks.

OFFICERS 2018 – 2020

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OTAA Representative

Lou Poda

August Treasurer's Report

By Nick Mihiylov

8/1/2018 Through 8/31/2018

Checking Beginning Balance	\$746.17
Income	
4 Renewal Memberships	120.36
Total Income	\$120.36
Expenses	
	-0.00
Total Expenses	-0.00
Income Less Expenses	\$120.36
Checking Ending Balance	\$866.53
<hr/>	
Savings Beginning Balance	\$2,566.92
Earned Interest	0.04
Savings Ending Balance	\$2,566.96
<hr/>	
Petty Cash Beginning Balance	\$50.00
	0.00
Petty Cash Ending Balance	\$50.00
<hr/>	
Petty Cash	50.00
Savings	2,566.96
Checking	866.53
Grand Total	\$3,483.45

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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to the newsletter
editor:

speedymissy@yahoo.com

Mars Opposition 2003 or Astronomy Gone Wild!

By Gregg Crenshaw

2003 opened with some excitement as the planet Mars would be at opposition. The Earth would pass the red planet closer than any time in 50,000 years or so on August 28. Observatory Director Ray Paul had scheduled Saturday, August 23 at 8:00PM as the "Planet Mars" program and arranged for a speaker from NASA to address the group.

ACA member Tom Erickson was also a talk show host on Akron radio station WNIR (his day job). He had been promoting the ACA Observatory public programs on his show all summer. After hearing all the hoopla about the Mars opposition and 50,000 years, well Tom REALLY started promoting the August 23 program. He also announced he would be there.

As August 23 approached the club started getting more calls and inquiries about the program. I was club President at the time so Ray and myself let the park and local police know that we might have a large amount of people attending (little did we know what to expect.)

The park rangers and local police gave me their phone numbers so if things got out of hand I could call them for assistance. We had a lot of hot dogs left over from a Solar/Lunar program and Hot Dog roast a few weeks prior so my wife Debbie had planned to cook hot dogs and thought we could get a small donation for them. We had purchased a bunch of Mars t-shirts to sell and thought we were all ready.

The park had put together a parking plan so as people began arriving we directed them to parking areas around the observatory. As each area filled up we directed traffic to the next area. After areas around the observatory were filled we directed cars to the storage barn area East of the observatory toward the boat ramp. After that was full I began walking up the boat ramp road toward the observatory and realized I had nowhere else to put cars and saw a endless line of cars stretching up the road. I called the park rangers and local police for HELP! The park rangers and local police took over parking cars and directing traffic.

As 8:00 PM neared more and more people were arriving at the Observatory! People were walking in from the other side of the park due to all parking around the Observatory were full.

I found out that we had sold out of t-shirts and we were out of food! We couldn't go buy more food due to the roads around the Observatory were clogged with people trying to get to the Observatory to see Mars (and/or Tom Erickson.) We found an ACA member who had ridden his motorcycle to go buy more food and pop, but it didn't last long.

A little after 8:00 PM the NASA speaker began his talk on Mars exploration. To see a U-Tube video of what this looked like click here <https://youtu.be/eS0aCq0jQ3A>. If the link does not work copy and paste the link into your browser's address line. The first 3:15 of the video shows the early crowd.

Members of the public continued to pour in. People were now walking in from the other side of the park with their telescope in hand. We even had some costumed aliens, seen at the end of the 3:15 video. We also had a group from a Klingon Star Trek club in full costume that came later.

The star of the show, Mars, did not disappoint. Seeing was excellent. I set up a donated C11 outside of the Observatory and was able to see surface detail at about 300X magnification. There was a line to look through the observatory telescope that stretched to the road. There were long lines at all the telescopes that were set up.

The last of the public didn't leave until about 1:30 AM. The next day the park conservatively estimated 2,500 to 3,000 people had visited the Observatory over the entire evening. Too bad we didn't have more T-shirts. It was quite a memorable night.

*Article By Gregg Crenshaw
ACA Trustee*

September 28, 2018 - General Membership Meeting

Speaker: Jay Reynolds, Cleveland State University.

Presentation: "Journey to Another Solar System." Presentation will explain how interstellar space travel is not just the "stuff" of science fiction. The technology does exist to enable us to travel to the nearest solar system in a reasonable amount of time.

About The Speaker: Dr. Reynolds is a Research Astronomer at Cleveland State University, is a member of the NASA Speakers Bureau, and is acclaimed as the area's most Visible Scientist. He was and is a contributor to NASA, presently on the DAWN Project. He gives over 30 talks a year, and is frequently on radio and television. Jay is also the host of WKYC's "In The Sky" program.

Meeting Location:

**New Franklin City Hall
5611 Manchester Road
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!

September Astronomical Events

Day Hour(UT)
2 09 Venus 1°4 S. of Spica
3 02 Aldebaran 1 °.2 S. of Moon Occn.
3 03 LAST QUARTER
5 23 Mercury 1°.0 N. of Regulus
6 10 Saturn stationary
7 18 Neptune at opposition
8 01 Moon at perigee
9 18 NEW MOON
12 16 Venus 10° S. of Moon
14 02 Jupiter 4° S. of Moon
16 23 FIRST QUARTER
17 16 Saturn 2° S. of Moon
20 01 Moon at apogee
20 07 Mars 5° S. of Moon
21 02 Mercury in superior conjunction
21 10 Venus greatest illuminated extent
23 02 Equinox
23 16 Neptune 2° N. of Moon
25 03 FULL MOON 27 07 Uranus 5° N. of Moon
30 16 Pluto stationary

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

October Astronomical Events

Day Hour(UT)
2 10 LAST QUARTER
5 04 Venus stationary
5 18 Mercury 2° N. of Spica
5 22 Moon at perigee
7 10 Ceres in conjunction with Sun
9 04 NEW MOON
10 15 Venus 13° S. of Moon
11 21 Jupiter 4° S. of Moon
14 15 Mercury 7° N. of Venus
15 03 Saturn 1°.8 S. of Moon
16 18 FIRST QUARTER
16 18 Juno stationary
17 19 Moon at apogee
18 13 Mars 1°.9 S. of Moon
20 22 Neptune 3° N. of Moon
24 01 Uranus at opposition
24 13 Uranus 5° N. of Moon
24 17 FULL MOON
26 14 Venus in inferior conjunction
30 04 Mercury 3° S. of Jupiter
31 17 LAST QUARTER
31 20 Moon at perigee

ACA Program Series 2018/2019 Season

By Ann Ferrell

Hello ACA Membership,

Summer is fading fast but followed by my favorite time of year, Fall. True, night will come earlier in the evening but that gives us more time to observe! That's a good thing along with our monthly meetings beginning again.

September 28, 2018 - Journey to another Solar System

Presentation by Jay Reynolds, Cleveland State University on how interstellar space travel is not just the "stuff" of science fiction.. The technology does exist to enable us to travel to the nearest solar system in a reasonable amount of time.

October 26, 2018 - Shuttle Columbia Accident: What Really Happened?

Dr. Matt Melis NASA Aerospace Engineer.

November 16, 2018 - Dark Matter or Modified Gravity?

Dr. Stacy McGaugh, Case Western Reserve, Chair Physics and Astronomy Dept.

MEETING LOCATION: New Franklin City Hall, 5611 Manchester Rd . Akron 44319, 8 P.M.

SPEAKER DINNER: Bricco's 4315 Manchester Rd. Akron 44319 6 p.m.

Article By Ann Ferrell

ACA Assistant Secretary/Treasurer

The Night Sky

Newsletter of the Astronomy Club of Akron

c/o Marissa Fanady, Editor

1714 Toepfer Rd.

Akron OH, 44312

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,