



The Night Sky

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

Volume 41 Number 9

September 2019

Next Meeting: Friday - September 27, 2019 - 8:00 PM - New Franklin

ACA NEWS AND NOTES **SEPTEMBER 2019**

ACA Monthly Meetings Resume

ACA's summer hiatus is over! We are looking forward to our September meeting scheduled for 8:00 p.m. on Friday, September 27th. Speaker Dr. Patrick Durrell from Youngstown State University will present "Studying Galaxies with the Hubble Space Telescope." The meeting location is the New Franklin City Hall, 5611 Manchester Road, Akron, Ohio 44319. Please plan to attend as ACA begins its 71st year of serving Akron and the surrounding communities!

Membership Renewals Due

The ACA Board continues to remind you that membership fees are due for the upcoming year on or before the date of our September meeting. If you are unable to attend the meeting, please mail your dues as soon as possible to treasurer Nick Mihiylov at:

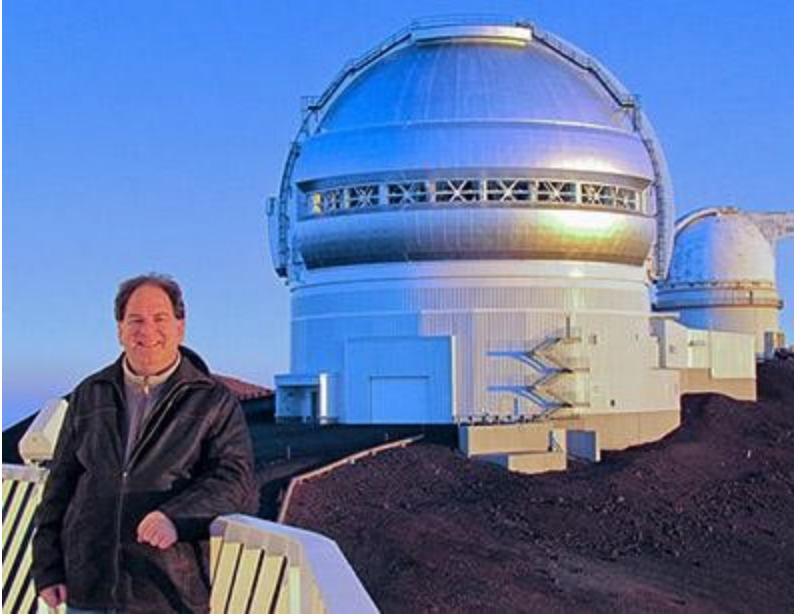
The Astronomy Club of Akron
c/o Nick Mihiylov
13495 Mogadore Avenue NW
Uniontown, Ohio 44685-9347

Membership dues pays for observatory maintenance and insurance, dinner for our guest speakers, membership picnic entree, pavilion fees, and any costs incurred in support of our outreach programs. Your membership is needed and much appreciated!

Star Parties

Upcoming Star Parties are scheduled for September 21st at 8:00 p.m., September 28th at 7:30 p.m., October 19th and 26th at 7:00 p.m. For details about what Observatory Director Ron Kalinoski has on the viewing list, see the 2019 Observatory Schedule found on the ACA website. Also check out the website often for notice of Impromptu Star Parties. Stop in at the ACA Observatory to support these outreach events!

September 27, 2019 - General Membership Meeting



Speaker: Dr. Patrick Durrell (Youngstown State University).

Presentation: “Studying Galaxies with the Hubble Space Telescope” The Hubble Space Telescope (or HST) has been providing beautiful, high-resolution images of multitudes of fascinating objects in the cosmos for almost 30 years. I will illustrate how important space-based telescopes like Hubble are, and highlight how astronomers can study galaxies -- both near and far -- with Hubble's unique capabilities and instruments. I will also include snippets from some of the extragalactic research I carry out using the HST, with a look forward to the next generation James Webb Space Telescope.

About the Speaker: Dr. Patrick Durrell is a Distinguished Professor in the Department of Physics and Astronomy at Youngstown State University, and is also the Director of the Ward Beecher Planetarium.

um. Dr. Durrell completed his PhD at McMaster University in 1996, and has been a lead author or co-author on over 60 published scientific papers, including work on intergalactic stars, galaxy halos, globular star clusters, and dwarf galaxies in the nearby universe. His varied research projects often make use of some of the largest telescopes in the world, including the Hubble Space Telescope.

September Astronomical Events

Day Hour(UT)

1 00 Venus 5.2° E
2 10 Mars Sun 10:18
4 01 Mercury Super 01:26
6 03 First Quarter 03:10
6 06 Moon-Jupiter 06:52
8 09 Moon S Dec 09:39
8 13 Moon-Saturn 13:53
8 17 Moon D Node 17:35
10 06 Neptune Opp 06:18
13 13 Moon Apogee 13:32
14 04 Full Moon 04:33
20 16 Moon-Aldeb 16:14
22 02 Last Quarter 02:41
23 01 Moon N Dec 01:54
23 06 Moon A Node 06:30
23 07 Autumn Eq 07:49
24 21 Moon-Beehive 21:15
28 02 Moon Perigee 02:27
28 18 New Moon 18:26
29 04 Mercury-Spica 04:13

Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)

October Astronomical Events

Day Hour(UT)

1 00 Venus 13.1° E
3 20 Moon-Jupiter 20:23
5 16 Moon S Dec 16:01
5 16 First Quarter 16:47
5 18 Moon D Node 18:49
5 20 Moon-Saturn 20:48
10 18 Moon Apogee 18:29
13 21 Full Moon 21:08
20 03 Mercury East 03:59
20 07 Moon A Node 07:28
20 08 Moon N Dec 08:07
21 12 Last Quarter 12:39
21 23 Orionids 23:12
22 04 Moon-Beehive 04:41
26 10 Moon Perigee 10:41
28 03 New Moon 03:38
28 08 Uranus Opp 08:17
29 13 Moon-Venus 13:33
31 04 Mercury-Ven 04:22
31 14 Moon-Jupiter 14:22

Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)

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

Vice President

Justin Phillips
Phone: E-mail:

Treasurer

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

Secretary

Terry Taylor
Phone: E-mail:

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: mfanady@yahoo.com

Trustee

Gregg Crenshaw
E-mail: rigelstarman@gmail.com

Trustee

Susan Swift
E-mail: swiftsm@windstream.net

Trustee

Connie Tighe
E-mail: contighe@hotmail.com

Statutory Agent

Mark Kochheiser
Phone: E-mail:

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July Treasurer's Report

By Nick Mihiylov

8/1/2019 Through 8/31/2019

Checking Beginning Balance	\$213.56
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Income

Donation - American Scholar Group	75.00
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Total Income	\$75.00
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Expenses

Total Expenses	-0.00
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Income Less Expenses	\$75.00
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Checking Ending Balance	\$288.56
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Savings Beginning Balance	\$2,567.40
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Earned Interest	0.04
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Savings Ending Balance	\$2,567.44
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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	2,567.44
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Checking	288.56
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Grand Total	\$2,905.96
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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.

Advertise in the Swap n Shop!

Send a picture of
your **ASTRONOMY
RELATED** item and
relevant information
to the newsletter
editor:

speedymissy@yahoo.com

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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,