



# The Night Sky

The Newsletter of  
The Astronomy Club of Akron  
[www.acaoh.org](http://www.acaoh.org)

Volume 41 Number 6

June 2019

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**SUMMER BREAK! NO MEETING THIS MONTH!**

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## **ACA NEWS AND NOTES** **JUNE 2019**

### **ACA Membership Renewals Due**

ACA is on summer hiatus from membership meetings until our September meeting scheduled for 8:00 p.m. on Friday, September 27th. Membership fees are due for the upcoming year on or before that date. Feel free to mail your dues 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!

### **Upcoming ACA Events**

Continuing our celebration of ACA's 70th anniversary, the ACA Board has planned these upcoming events:

On June 20th, in collaboration with the Akron-Summit County Public Library, ACA hosts NASA astronaut Mike Foreman for a special public event at the Akron Main Library from 7:00pm-8:00pm.

ACA is participating in the Astronomy Day program at the Akron Public Library Main Branch on Saturday, June 22nd. Thanks to all who volunteered to represent the club! The program is scheduled between the hours of 10 am and 3:30 pm. Stop by the ACA information table to say hello, see the use of NASA Night Sky Network kits, and Marissa's meteorite collection.

ACA is celebrating its anniversary along with the 50th anniversary of the lunar landing on July 20th. Activities are planned for the whole family beginning at 6:00 p.m. with a hot dog roast. Attendees can purchase a meal consisting of hot dog, chips, drink, and complimentary MOON PIE for \$3.00. Observatory Director Ron Kalinoski has planned solar viewing, a telescope seminar, and star party. Jim Watson will give a presentation on radio telescopes. Mark your calendars and join us for this double anniversary celebration!

The annual Members Picnic is Sunday, August 4th at Big Oaks Pavilion in Portage Lakes State Park. The picnic is scheduled for 3:00 p.m. ACA will provide the burgers and dogs. Members attending will bring a dish to share. Please mark your calendars and plan to join us for this popular gathering!

## Star Parties

Upcoming Star Parties are scheduled for 9:00 p.m. on June 29th, July 20th and July 27th. 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!

## MVAS OTAA Event

The Mahoning Valley Astronomical Society [MVAS] will host the Ohio Turnpike Astronomers Association [OTAA] meeting on Saturday, August 24th from 5:00 p.m. to 11:30 p.m. at Mahoning Valley Cortese Observatory (MVCO), 1076 Ohio Route 534, West Farmington, Ohio 44491. A number of ACA members attend this well-planned annual event. If you have never gone, consider going this year. A potluck dinner (6:00), door prizes (7:00), and program (8:00), are followed by an observation session (weather permitting) at dusk under dark skies. This event occurs rain or shine. Please support our fellow OTAA club member and attend!

## Board Meeting Minutes June 2, 2019

The ACA Board had their quarterly meeting on Sunday, June 2nd at Rose Villa. First item on the agenda was confirming details of the NASA Astronaut Mike Foreman event on June 20th at the Akron Library. Ann went over the groups she is contacting with the event info. Cathy, Susan, and Gregg took flyers to distribute to local libraries. Ann, Cathy, and Gregg will set up information tables that afternoon for the event. The ACA brochure will be updated and copies made for this and upcoming events.

June 22nd ACA is participating in the Akron Library Astronomy Day. We have a crew of 5 setting up at 9am and another group coming in for the afternoon shift. Gregg is the lead for this event. The board decided what we will include in our display. Greg will bring the NASA Night Sky Network instructional kits.

July 20th is the ACA Moon Landing Celebration. The event begins at 6 pm with a hot dog roast. The \$3 meal includes hot dog, chips, drink, and complimentary moon pie. Solar viewing is planned after the roast. A telescope seminar is scheduled and we will also ask Jim Watson to speak about his radio telescope. The event ends with a star party.

August 4th is the annual ACA Members Picnic at Big Oaks Pavilion in Portage Lakes Park. Ron will be our Grill Master. The event starts at 3 pm. Per usual, ACA provides the burgers and dogs; members provide a dish to share.

The Board discussed at length how to increase member benefits. This will be an ongoing discussion. Ann and Cathy are working on a few ideas and will report if they are possible.

The Board is preparing to form a nomination committee for the 2020 ACA elections. Ann is working on securing speakers for 2020 with the help of Susan and Cathy. Members volunteered to take meeting minutes:

September—Susan  
October--Gregg  
November—Ron

The board discussed the newsletter format and all agreed the News and Notes, articles, and member events should be placed at the beginning of the newsletter followed by the treasurer's report page and the Swap and Shop page.

Members in attendance: Cathy Loboda, Ann Ferrell, Ron Kalinoski, Gregg Crenshaw, Susan Swift.

*Article by Cathy Loboda  
ACA President*

## ACA Meeting Minutes May 17, 2019

The meeting was called to order at 9:20pm.

Gregg Crenshaw read the minutes from the last meeting.

Nick Mihiylov gave the Treasurer's Report: Checking \$613.76, Saving \$2567.28, Petty Cash \$50, Income \$487.50, Expenses (\$137.71) Total \$3580.83.

Cathy Loboda moved to accept the Treasurer's Report and Glenn Cameron seconded the motion. All attendees were in favor.

Ann Ferrell gave a summary of two awards ACA has recently received: Distinguished Service Award given by State Representative Bill Roemer and 70th Year Anniversary Honorary Award given by State Senators Kristina Roegner & Larry Obhof.

Old Business:

Gregg Crenshaw gave a report about Nassau Astronomical Station at Observatory Park. There was lots of Lunar observing at the event.

New Business:

A big THANKS to Marnie Sanders, Cathy Loboda, and Ann Ferrell for arranging the ACA 70th Year Anniversary Bash! The spread included cake, cookies, coffee, vegetables with dip, and drinks. There was also a large anniversary banner laid out on the front tables. The cake was fantastic!

May 31st Camp Ed Bear event for oncology patients & staff of Children's Hospital. Check with Dave Jessie for more details.

Marnie Sanders and Ann Ferrell have T-shirts ordered for ACA 70th Year Anniversary and took more orders during break.

June 20th Mike Forman event at Akron Summit County Public Library - the front two rows of chairs are reserved for ACA members (50 seats). Event starts at 7:00pm.

June 22nd Astronomy Day at Akron Summit County Public Library: ACA will have tables with club information and photo display. Gregg & Debbie Crenshaw, Susan & Jim Swift, Cathy Loboda, and Ann Ferrell will represent ACA at this event.

July 20th event at observatory - 50th year anniversary of the Moon Landing: ACA will celebrate with a hot dog roast, telescope seminar, and star party. Details to be announced soon.

August 4th ACA annual picnic at Portage Lakes Big Oaks Pavilion: ACA will provide hot dogs and hamburgers and the best free coffee in Akron. Members will provide side dishes. ACA will also provide plates, cups, and eating utensils. Please contact Cathy Loboda to let her know what side dish you will bring.

August 17-18 Props & Pistons Air & Car Show and Akron Fulton Airport - please contact Gregg Crenshaw for details.

Astronomical League - make sure to pay your \$7.50 dues. See Gregg Crenshaw.

Observatory Report: Ron Kalinoski reports rain for tomorrow's star party. An impromptu star party will be scheduled in the near future.

Glenn Cameron will scan both awards received by ACA and send pdf file to board. There is consideration for the awards to be displayed at the Akron Summit County Public Library.

Call for Observations: none reported.

Call for a motion to adjourn by Cathy Loboda and seconded by Glenn Cameron.

## Meade 12" LX200 ACF w\UHTC

Purchased new November 2010 and sent directly to Dr. Clay Sherrod for Super Charging – works great – GOTO's are right on.

Star Lite Feather Touch® 2.0" Diameter Dual Speed 1.5" Draw Tube Travel, Brake, and Compression Ring.

Stellarvue Raptor 80ED Carbon Fiber piggy-backed using ADM Dovetail and rings.

ADM MDS – OTA Counter Weight w\ extra Weight.

Televue Everbrite Satin 2" diagonal.

Stellarvue 2" Dielectric diagonal.

AstroZap 12" Dew Shield (Black).

AstroZap Dew Shield Cap.

JMI Wheeling Bars.

All in VERY GOOD condition – complete set-up, all you need are eyepieces!!!!



\$4,000 OBO.

Contact: Nick Mihiylov (330) 760-0746.

# Member Photos



ACA members hosted a star party for the oncology patients and staff of Children's Hospital at Camp Carl on May 31st. Under clear skies, Fred Huffman, Gregg Crenshaw, Glenn Cameron, Reece, Trevor, & Dana Davis, and Lew Snodgrass set up telescopes for the children showing them many double stars, Jupiter, and the Ring Nebula.

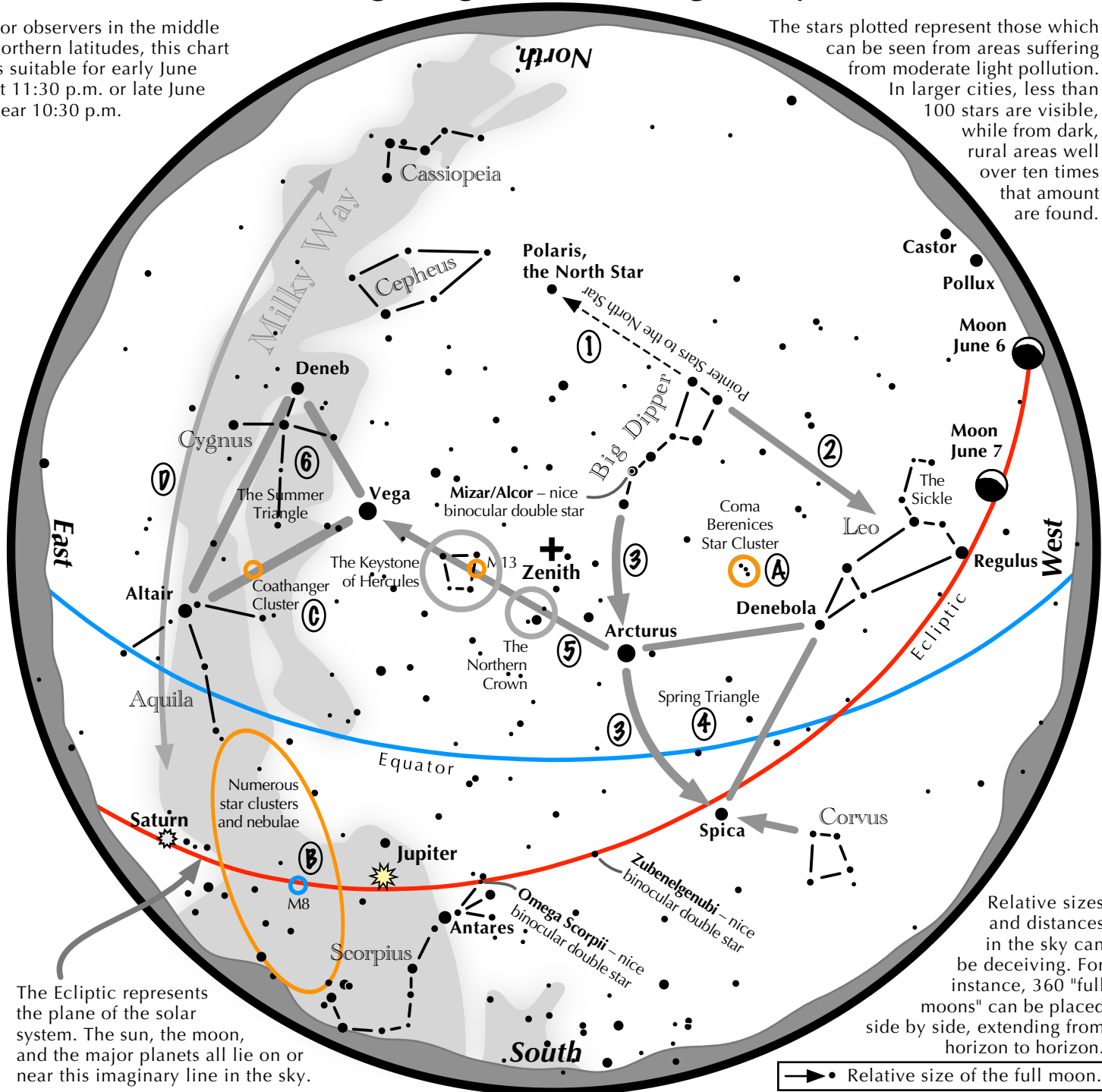




# Navigating the June Night Sky

For observers in the middle northern latitudes, this chart is suitable for early June at 11:30 p.m. or late June near 10:30 p.m.

The stars plotted represent those which can be seen from areas suffering from moderate light pollution. In larger cities, less than 100 stars are visible, while from dark, rural areas well over ten times that amount are found.



The Ecliptic represents the plane of the solar system. The sun, the moon, and the major planets all lie on or near this imaginary line in the sky.

Relative sizes and distances in the sky can be deceiving. For instance, 360 "full moons" can be placed side by side, extending from horizon to horizon.

→• Relative size of the full moon.

## Navigating the June night sky: Simply start with what you know or with what you can easily find.

- 1 Extend a line north from the two stars at the tip of the Big Dipper's bowl. It passes by Polaris, the North Star.
- 2 Draw another line in the opposite direction. It strikes the constellation Leo high in the west.
- 3 Follow the arc of the Dipper's handle. It first intersects Arcturus, the brightest star in the June evening sky, then Spica.
- 4 Arcturus, Spica, and Denebola form the Spring Triangle, a large equilateral triangle.
- 5 To the northeast of Arcturus shines another star of the same brightness, Vega. Draw a line from Arcturus to Vega. It first meets "The Northern Crown," then the "Keystone of Hercules." A dark sky is needed to see these two dim stellar configurations.
- 6 High in the east are the three bright stars of the Summer Triangle: Vega, Altair, and Deneb.

### Binocular Highlights

- A: Between Denebola and the tip of the Big Dipper's handle, lie the stars of the Coma Berenices Star Cluster.
- B: Between the bright stars of Antares and Altair, hides an area containing many star clusters and nebulae.
- C: 40% of the way between Altair and Vega, twinkles the "Coathanger," a group of stars outlining a coathanger.
- D: Sweep along the Milky Way for an astounding number of faint glows and dark bays.



## OFFICERS 2018 – 2020

### President

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: speedymissy@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:

### OTAA Representative

Lou Poda

## May Treasurer's Report

By Nick Mihiylov

5/1/2019 Through 5/31/2019

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Checking Beginning Balance	\$613.76
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### Income

T-Shirt & Astronomical League Deposits	487.50
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<b>Total Income</b>	<b>\$487.50</b>
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### Expenses

Speaker Dinner - May	-19.20
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Check#1236 Cotton Expressions - T-Shirts	-118.51
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<b>Total Expenses</b>	<b>-137.71</b>
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<b>Income Less Expenses</b>	<b>\$349.79</b>
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Checking Ending Balance	\$963.55
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Savings Beginning Balance	\$2,567.28
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Earned Interest	0.04
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<b>Savings Ending Balance</b>	<b>\$2,567.32</b>
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Petty Cash Beginning Balance	\$50.00
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	0.00
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<b>Petty Cash Ending Balance</b>	<b>\$50.00</b>
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Petty Cash	50.00
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Savings	2,567.32
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Checking	963.55
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<b>Grand Total</b>	<b>\$3,580.83</b>
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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



# The Night Sky

Newsletter of the Astronomy Club of Akron

c/o Marissa Fanady, Editor

1714 Toepfer Rd.

Akron OH, 44312

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## 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](http://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](http://www.acaoh.org),