



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 32 Number 10

October 2010

Next Meeting: Friday, October 22, 2010 8:00PM.

***** IMPORTANT NOTICE OF CHANGE OF VENUE *****

The 8 pm October 22, 2010 general membership meeting will return to the
Kiwanis Civic Center at 725 Portage Lakes Drive.

Observatory Report

By Ron Kalinoski

Wow, September weather put a halt to our public star parties. Our October 2nd star party was also cancelled due to poor seeing conditions. Our outreach event with the girl scouts on October 1st was a success. About 25 people attended the star party including six ACA members. Fortunately, the star party coincided with a window of a few hours of cloud-free skies that enabled our members to show the girls the wonders of the night sky. To help the girls achieve their astronomy merit badge, we started the program with an introductory talk about astronomy. With telescopes setup, our members continued with a telescope seminar, explaining the different types of telescopes and the advantages of each. Next we started our observing session and with six telescopes setup, the scouts were able to get a good sampling of what the Universe has to offer. Jupiter was one of the first objects we viewed. The planet showed us good detail of its equatorial bands and an interesting arrangement of its moons. Two moons were situated close together on one side near the planet while another moon was



Fred Huffman explains to the girl scouts how a refractor telescope functions. Mark Kochheiser and John Shulan continued with explanations of Newtonian and Schmidt-Cassegrain telescopes.

located just off the limb of the planet on the other side. The fourth Galilean moon was absent from view; however, closer inspection revealed a shadow cast onto the disk of Jupiter by the absent moon. The eclipse was a pleasant surprise demonstrating how dynamic our Universe can be. M13, Cat's Eye Nebula, Albireo, The Blinking Nebula, Wild Duck Cluster and Andromeda Galaxy were among

the other treats viewed at the eyepiece. The celestial objects getting the biggest verbal responses from the girls were the "Stick Dog" (M29) and "The ET Cluster" (NGC457). Following Jason Shinn's lead from previous outreach events, we let the girls search the heavens with the club's eight inch Newtonian. They seemed to be having fun describing

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OTAA Representative

Lou Poda

2010 - October Activities Calendar - 2010

Club

- | | |
|---|--|
| <p>October 2 - OBSERVATORY: Public Event.
07:30 pm EDT (11:30 UT)</p> <p>October 9 - OBSERVATORY: Public Event.
07:30 om EDT (11:30 UT)</p> <p>October 16 - ASTRONOMY DAY: Cleveland Museum
of Natural History.
09:30 am EDT (01:00 UT)</p> | <p>October 22 - KIWANIS: General Membership Meeting.
08:00 pm EDT (12:00 UT)</p> |
|---|--|

Celestial*

- | | |
|---|--|
| <p>October 1 - Last Quarter moon at 3:52 UT.</p> <p>October 6 - Moon at perigee (closest) at 14h UT.</p> <p>October 7 - New Moon at 18:45 UT.</p> <p>October 14 - First Quarter moon at 21:28 UT.</p> <p>October 18 - Moon at apogee (farthest) at 18h UT.</p> <p>October 21 - ORIONID METEOR SHOWER.</p> <p>October 23 - Full Moon at 1:37 UT.</p> | <p>October 30 Last Quarter moon at 12:46 UT.</p> |
|---|--|

**Source: www.skymaps.com*

FOR SALE

Celestron SKY-WATCHER

Price: Please Call

Includes:

- 8" f/10 SCT.
- Equatorial Mount w/ slow motion controls.
- Visual and Crayford backs - 2".
- 10X50 Optical Finder.
- Case for scope.
- Custom Alt/Az mount head fits tripod.
- Dew shield.



Contact: Fred Huffman at (330)535-8009

Meade 8" LX90 GPS SCT

Price: \$999.00

Includes:

- 8" f/10 SCT (focal length = 2000mm).
- Meade field tripod
- 497 EP (44Eg) Autostar hand controller.
- Includes standard Meade accessories.
- Purchased new directly from Meade in June 2010.



Contact: Ken Blaine at (330)928-7238

VISIT THE ACA WEB SITE FOR MORE DETAILS, INFORMATION, AND ADDITIONAL ITEMS FOR SALE FROM THIS ADVERTISER!

<http://www.acaoh.org/Swap-n-Shop.htm>

- PUBLISH YOUR ARTICLES AND IMAGES -

THE NIGHT SKY NEWSLETTER IS LOOKING TO PUBLISH YOUR ARTICLES! SHARE YOUR THOUGHTS, EXPERIENCES, STORIES, OPINIONS, LATEST ASTRO-IMAGES, AND ADVICE WITH YOUR FELLOW AMATEUR ASTRONOMERS.

ARTICLES MUST BE SUBMITTED BY THE SIXTH OF EACH MONTH. ARTICLES MUST BE RELEVANT TO OUR FORUM. ALL TEXT FILES SHOULD BE SAVED IN PLAIN ASCII FORMAT OR ANY VERSION OF WORD TO MINIMIZE IMPORT PROBLEMS. ALL IMAGES MUST BE SAVED IN .JPG FORMAT. SUBMIT YOUR ARTICLES VIA E-MAIL TO:

truemartian@aol.com

OR VIA SNAIL-MAIL:

JASON SHINN
873A North Point Dr.
Akron, OH 44313

October Treasurer's Report

By Lew Snodgrass

10/1/2010 Through 10/31/2010

Checking Beginning Balance	\$2,916.85
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Income

50/50 Drawing	45.00
Dues	90.00
Total Income	\$135.00

Expenses

Total Expenses	\$0.00
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Income Less Expenses	\$135.00
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Checking Ending Balance	\$3,051.85
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Charter One Ending Balance	\$3,051.85
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Difference	\$0.00
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Savings Opening Balance	\$5,928.22
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Earned Interest	0.49
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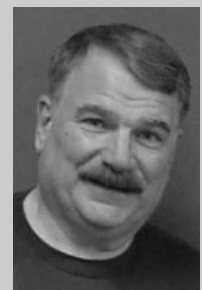
Savings Closing Balance	\$5,928.71
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Petty Cash	50.00
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Savings	5,928.71
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Checking	3,051.85
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Total	\$9,030.56
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*Article by Lew Snodgrass
ACA Treasurer*

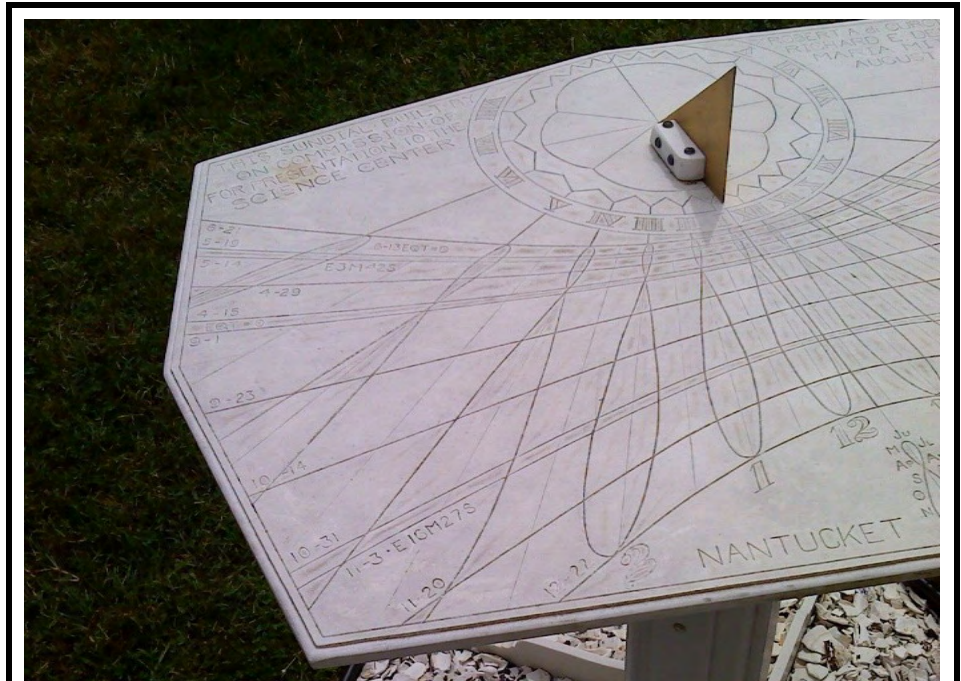
Letter From The Editor

By Jason Shinn

You may be wondering why we have no “Rambling” from the president this month. Dave Jessie, our president, has been struggling with illness of late. We are thinking of you Dave and hope you get to feeling better real soon.

I was also able to attend Hidden Hollow Star Party held on the 8th, 9th, and 10th of this month. I took my Radio Jove receiver and antenna down for demonstration as well. I had a mini success in capturing some radio emission from Jupiter in the hour of 2am on the morning of the 9th.

Hidden Hollow had a little bit of a set back this year because the event
(con't page 5)



One of the most interesting exhibits at the Mariah Mitchell Association in Nantucket is the sundial. It is made of corian and is calibrated to follow the seasonal variations in Earth's orbit. Photo by ACA member John Shulan.

Observatory Report (con't)

the apparent figures "seen" in the star arrangements they found. Later, we returned to Jupiter to find the moon causing the eclipse exiting the disk of Jupiter. The moon seemed to touch the planet in a teardrop configuration for minutes before finally separating

from the planet. The shadow closely followed the moon to the limb of the planet before disappearing into space. Thanks to Rick Burke, Fred Huffman, Mark Kochheiser, John Shulan, and Lew Snodgrass for helping out with this event.

Special thanks to Mark Kochheiser for

his efforts and communications with the Portage Lakes State Park agents to get trees cut down on the east side of the observatory building. This clears up the eastern sky and made viewing Jupiter in the early evening possible.

*Article by Ron Kalinoski,
ACA Observatory Director.*

Minutes of the September 24, 2010 General Meeting

By Mary Pickelsimer

8:00PM Call to order. The location of the meeting was The Tudor House in the Portage Lakes State Park due to the usual location was unavailable.

8:05PM The presentation for the evening was the viewing of “The Pluto Files”. This film, presented by Neil Degrasse Tyson, explores the history and reasoning behind Pluto's recent demotion (the recent economy is obviously sparing no one).

9:10pm Break – Cold beverages provided John and Justin. Much appreciated! (It was rather Hot)

9:25PM Business meeting called to order.

Treasures Report:

- Club account balances.
- Accounts at Charter One Bank – eventually move funds to a money Market that pays higher interest rate.

Observatory Director's Report:

- Helping the Boys and Girl Scouts.
- Tranquilizer darts were mentioned.

New Business:

- John Shulan had an Outreach Request for 10/9/10 (rain date 10/16/10). Our Lady of the Elms is having Mass on the Grass. Club members are encouraged to bring their telescopes and/or binoculars

and share your knowledge with the children, parents and teachers.

- Marc Kochheiser has been working hard at finalizing our lease for the observatory. The cost so far is \$1.00 for the term of the lease, which is 10 years, with an option to renew for an additional 10 years. An item that still needs to be clarified is the exact personnel that should be present in order to open the observatory.
- 50-50 Raffle collected \$29.00.

10:00PM Meeting adjourned. Next meeting date 10/29/10.

*Article by Mary Pickelsimer,
ACA Secretary.*

Letter From The Editor (con't)

coordinator and president of the Richland Astronomical Society, Tammy Plotner, has been in the hospital with serious illness. Tammy we here at the ACA wish you well and a speedy recovery.

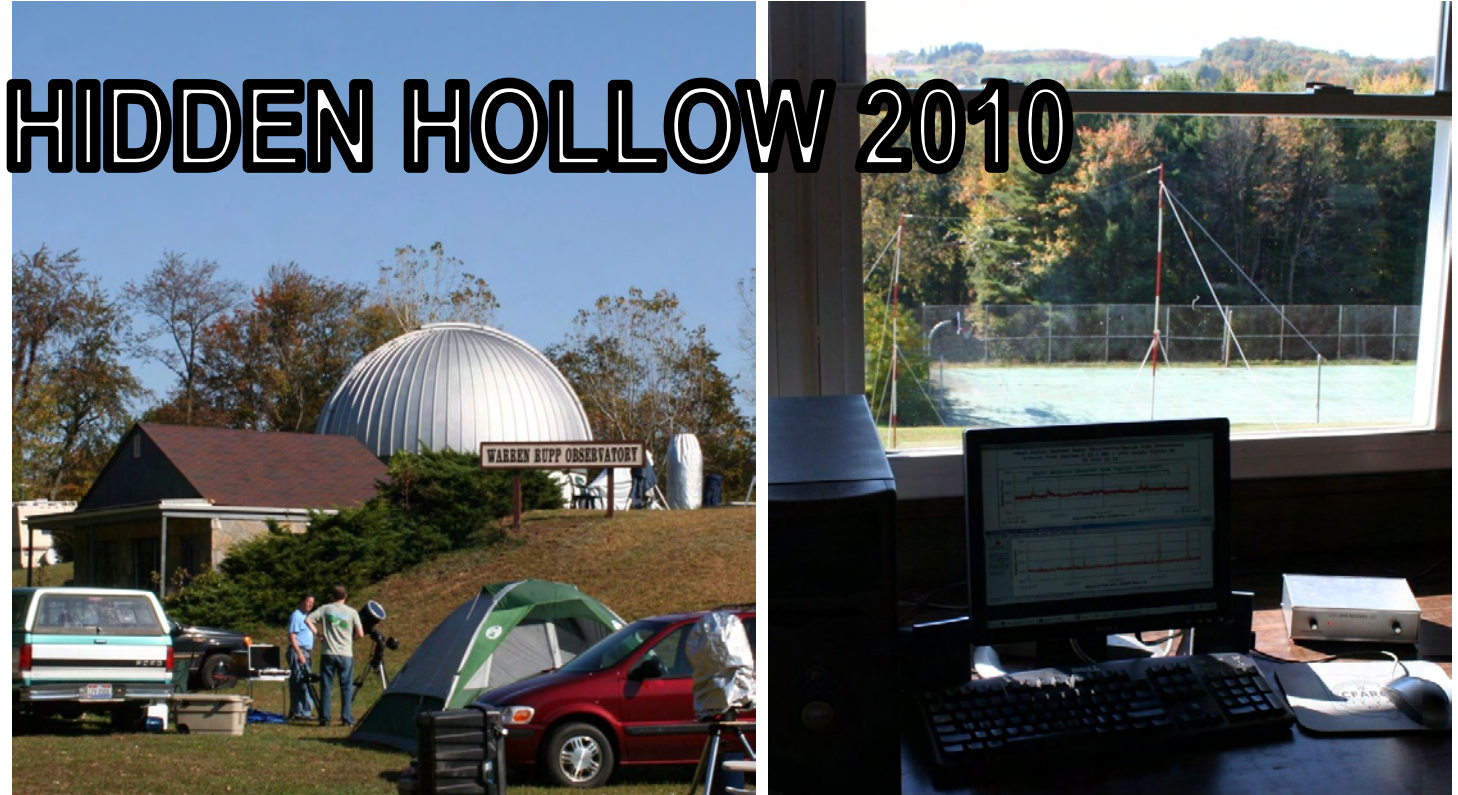
Observing at Hidden Hollow was excellent with clear skies and unusually comfortable temperatures

on both nights. Aside from some encroaching light pollution on the horizon Hidden Hollow boasts some of the best views of the heavens anywhere in Ohio. There were numerous opportunities to pick the brains of the professional amateurs and of course the Warren Rupp Observatory was open for observing.

During the day vendors were present selling meteors, imaging equipment, and scope accessories.

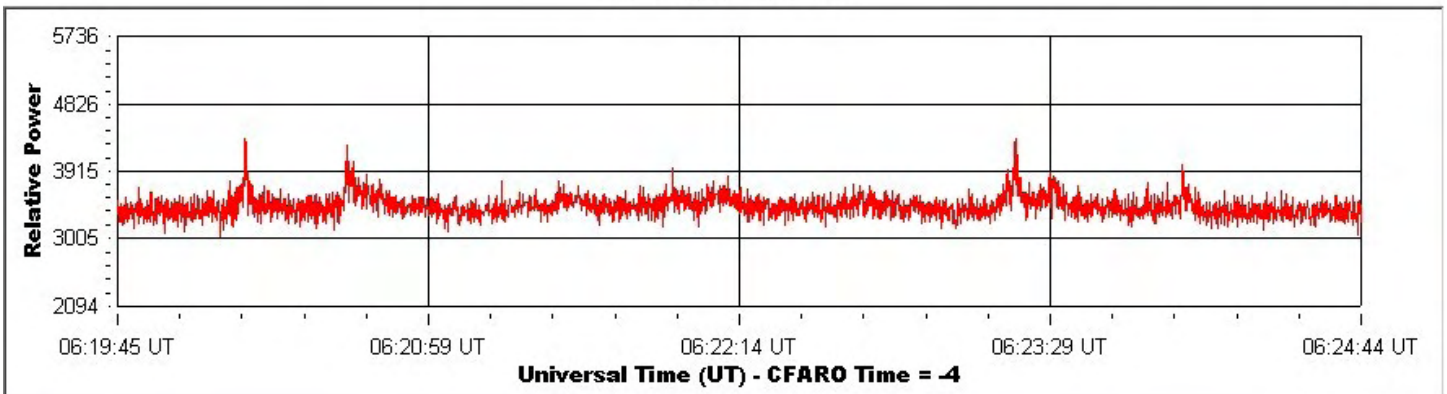
Swap-n-shop tables were also available for amateurs to trade and sell used equipment. Door prizes were raffled and a few presentations were held in the basement of the lodge. I enjoyed myself at Hidden Hollow this year, as much as one can when you know a friend has been hospitalized, but I made the most of it and came away with something good.

*Article by Jason Shinn
ACA Newsletter Editor.*



(above left) The Warren Rupp observatory is the site of the Hidden Hollow Star Party near Mansfield, OH. (<http://www.wro.org>)
(above left) The Radio Jove radio telescope brought to Hidden Hollow by ACA member Jason Shinn. (<http://radiojove.gsfc.nasa.gov>)
(below) Radio emission captured from Jupiter in the hour of 2am on the 9th by ACA member Jason Shinn with the Radio Jove radio telescope.

Canal Fulton Amateur Radio Observatory/Warren Rupp Observatory
L-burst from Jupiter @ 20.1 MHz / 20ft Single Dipole SW
UT 2010 10 09



NEW IMAGES



The Pacman Nebula



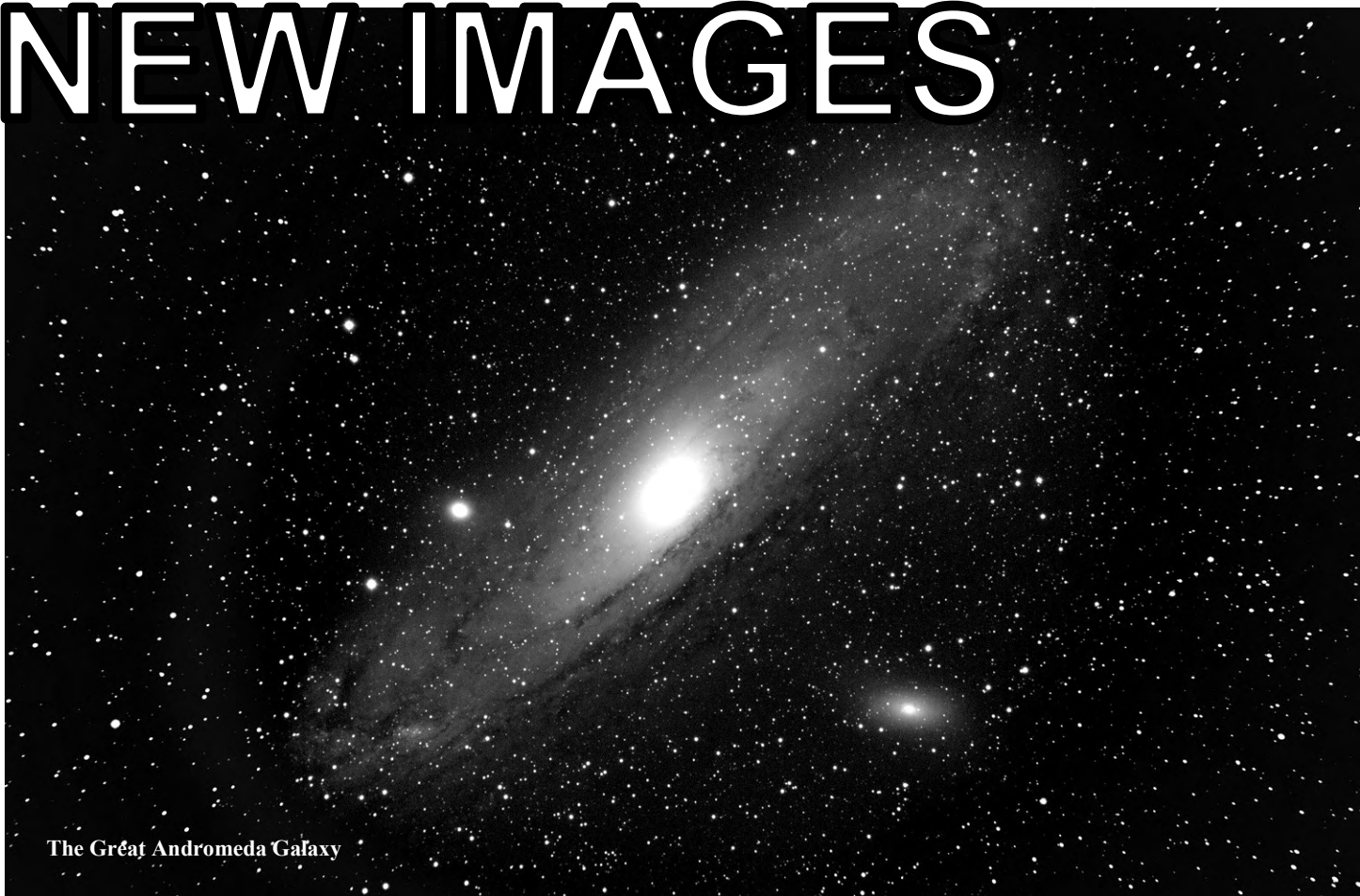
The Triangulum Galaxy



NGC 7331 and Group

by John Crilly

NEW IMAGES



The Great Andromeda Galaxy



The Pelican Nebula

by Len Marek

The Night Sky

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Yes! I want to become a member of the Astronomy Club of Akron

www.acaoh.org

(PLEASE PRINT)

NAME: _____ PHONE: _____

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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.