



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 34 Number 11

November 2012

Next Meeting: Friday - November 16, 2012 - 8:00 PM - Tudor House

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

The November general membership meeting will be held at the Tudor House
Franklin Center in Portage Lakes State Park.

Observatory Report

By Ron Kalinoski



Robert Benedict brought out students & parents from the STEM School Astronomy Club for our November 10th public star party. Skies were initially cloudy, but cleared up

enabling ACA to show all attendees the wonders of the night sky. Herschel's Double Cluster was the showcase of the evening. Andromeda Galaxy, Blue Snowball Nebula, Little Dumbbell (M76), and globular cluster M15 were some of the many objects on the observing list. M76 was a joy to observe. It is one of the faintest objects in the Messier Catalog, but its location that evening was optimal; just a few degrees off zenith. The object appears as a nebulous bar situated northeast to southwest. William Herschel observed each end of the bar to be brighter than the middle and incorrectly called it a double nebula.



Dave Jessie & Glenn Cameron explain the mechanism causing solar prominences to an impromptu stargazer during our August solar party.

If fact, New General Catalogue lists NGC 650 & NGC 651 for M76 based on Herschel's observation. It is fitting that the latest edition of New General Catalogue maintains the two catalog entries, retaining the true visual

impression of the 18th century observer. Today we know the M76 to be a bipolar planetary nebula.

(con't page 3)



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September Treasurer's Report

By Glenn Cameron

10/1/2012 Through 10/31/2012

Checking Beginning Balance	\$4,481.27
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Income

Dues	316.29
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Donations	1200.00
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50/50 Raffle	17.00
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Total Income	\$1,533.29
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Expenses

Checks	50.00
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Total Expenses	\$50.00
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Income Less Expenses	\$1483.29
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Checking Ending Balance	\$5,964.56
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Savings Beginning Balance	\$6,436.00
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Earned Interest	0.27
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Savings Ending Balance	\$6,436.27
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Petty Cash Beginning Balance	\$48.91
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Postage	1.35
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Petty Cash Ending Balance	\$47.46
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Petty Cash	47.46
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Savings	6,436.27
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Checking	5,964.56
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Grand Total	\$12,448.29
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Article by Glenn Cameron
ACA Treasurer.

Observatory (con't)

We also observed a rising Jupiter accompanied by three Galilean Moons. Around 10:15pm, the fourth moon Ganymede, appeared from behind Jupiter's disk. The moon stayed fixed on Jupiter's limb for several minutes before appearing to move back behind the planet's disk. Several members observed this event and none of us were able to come up with an explanation of the observation; interesting! We have one more scheduled public star party this year, next Saturday November 17th. If weather permits, we will continue to schedule impromptu star parties throughout the rest of autumn and during winter.

*Article by Ron Kalinoski,
ACA Observatory Director.*

SWAP & SHOP



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



For Sale:

22mm Orion Epic ED-2 ED Eyepiece

25mm Orion Epic ED-2 ED Eyepiece

Asking: \$40 each or \$75 for both

Contact: Glenn Cameron

Phone: 330-737-1472

Email: glenn@cameronclan.org

Obituaries

By Gary Smith

Hello to all fellow members of the ACA. I have sad news to report. A former member of the ACA, Mr. Tom Erickson, has passed away on Sat. Nov. 3rd after suffering a lengthy illness. Although Tom was not active in the club in more recent years, he had attended ACA meetings and ACA star parties on many occasions in the earlier 2000's. Some of you might recognize Tom Erickson as being a radio talk show host for many years on the local radio station WNIR. There is a short article in the Ravenna Record-Courier:

<http://www.recordpub.com/news/article/5226780>

The ACA would like to extend its sympathies to the family and relatives of Mr. Tom Erickson.

Gary Smith - President, the Astronomy Club of Akron
e-mail = rlpshsmth8@gmail.com

*Article by Gary Smith,
ACA President*

Minutes of the October 26, 2012, General Membership Meeting

By Ann Ferrell

8 p.m.

President Gary Smith called the meeting to order. Realizing the lack of members, there wasn't a quorum. No formal business meeting could take place, however, there was a lengthy discussion about the purchase of a new telescope.

Presentation

Ron Kalinoski, our observatory director, presented SETI, search for Signals from an Extraterrestrial location. He also presented his SETI at home project he began in 2001. No "word" yet but we all keep hoping. During the session we observed an on going program which was most interesting. Ron's talk covered a lot of detail and depth but always appreciated especially for anyone trying to understanding SETI. You're Asst. Secretary had four pages of notes and was fascinated by the

hydrogen line or the "water hole". Shall we gather at the River.

Crowne Pointe

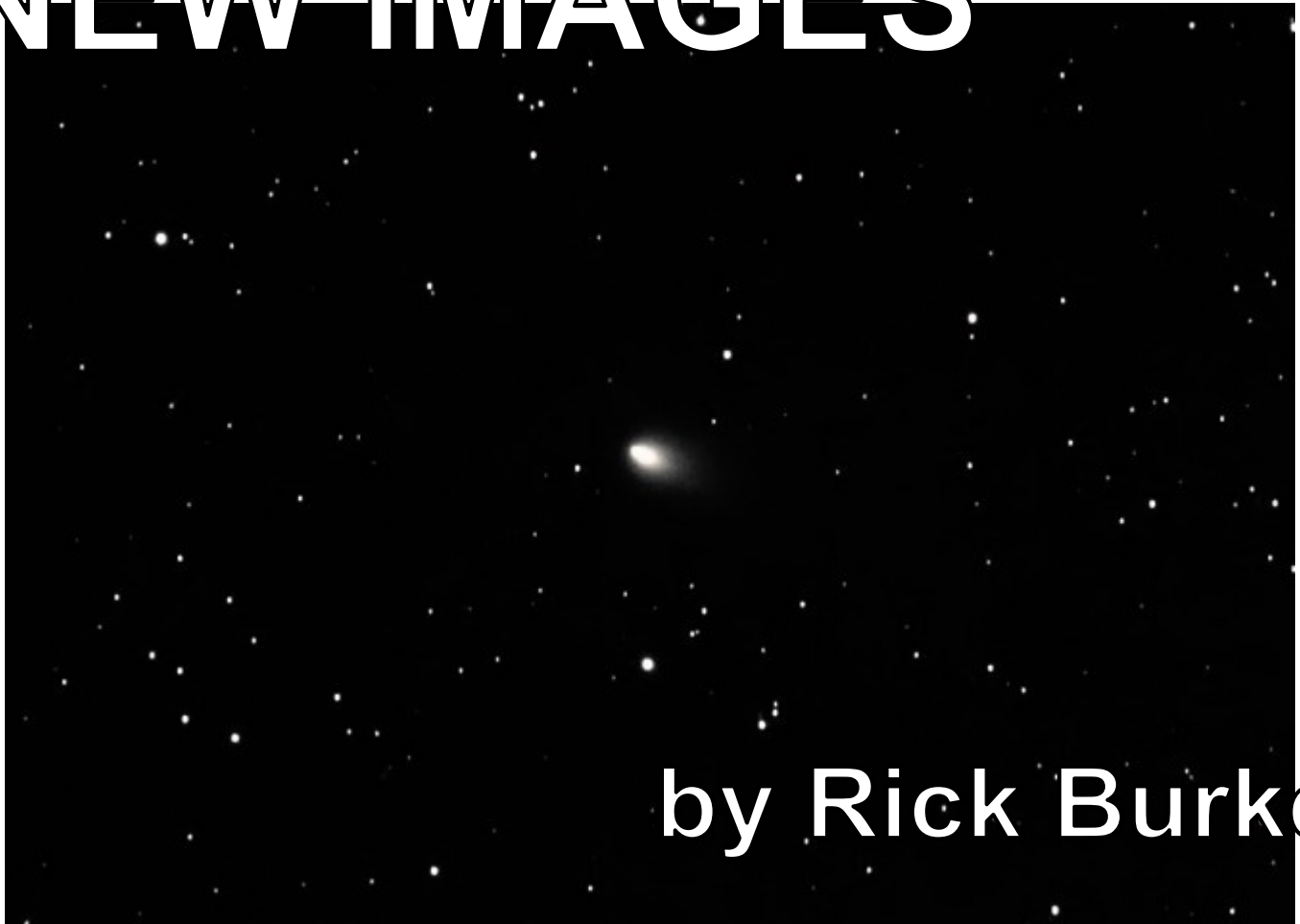
John Shulan presented an agenda to approve ACA's participation in the Crowne Pointe Observatory project. He was peppered with questions by a salty group. He answered each one readily and asked members to email particulars/concerns. Most members were delighted at the prospect of this opportunity and wanted to move forward with ACA's involvement .

Observatory Telescope

New telescope options were presented by Gary Smith. He reviewed telescopes used by other clubs in the surrounding area. He suggested a 24" Newtonian on an equatorial mount. Of course there would have to be significant changes made to our current observatory facility.

*Article by Ann Ferrell,
ACA Assistant Secretary/Treasurer*

NEW IMAGES



by Rick Burke[®]

NEW IMAGES

(page 5)

By Len Marek

NGC7000 & IC1318

Using my SBIG ST8300M with a Canon 18-55mm IS lens, a Lumicon 58mm H-Alpha filter and a 48mm IDAS LP2 filter, I set the lens at f/5.6, and the focal length at an EFL of 55mm, I shot 5x5 minute subs to get this image. I aligned and stacked the images with Images Plus and tweaked the levels in Adobe Photoshop CS5 and filtered to suppress the graininess using NeatImage.

NEW IMAGES

(page 6)

By Len Marek

The Great Andromeda Galaxy

A combination of a new image of M31 I took and using Registar, I registered and combined last year's fine image with the new image, and holy smokes, look at the result! It was so good, I sent the full size image to you guys to just immerse yourselves in it. Look toward the center of the galaxy and see the details of the dust clouds swirling around the core! Seriously I got to take this to have it made into a huge picture to hang in the house.

NEW IMAGES

(above)

By Rick Burke

Comet Hergenrother

NEW IMAGES

(page 7)

By Bob Benedict

The Milky Way.

A widefield image of the Milky Way with a satellite that I took in September in Nevada with my Canon Sx40 on an iOptron SmartEQ mount. This was a single 60 second exposure.

NEW IMAGES



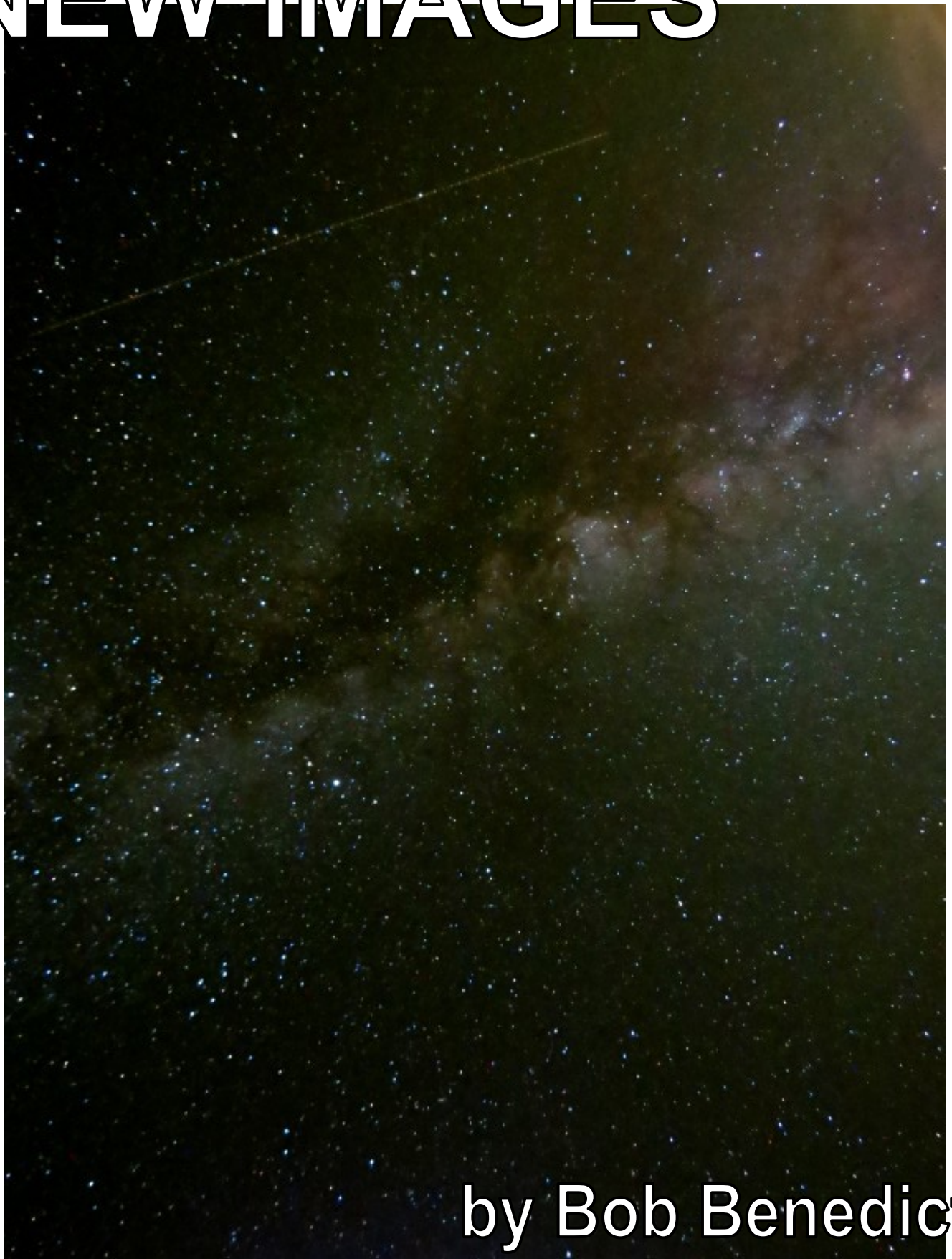
by Len Marek

NEW IMAGES








by Len Marek

NEW IMAGES



by Bob Benedict

THE ASTRONOMY CLUB OF AKRON
NOVEMBER 2012 ACTIVITIES CALENDAR

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Moon at apogee (farthest) at 15h UT.	2 STOW ASTRONOMY PUBLIC EVENT (www.stowastronomy.org)	3
4	5	6	7 Last Quarter 0:36 UT 	8	9	10 ACA OBSERVATORY PUBLIC EVENT 6:30p
11	12 TAURID METEOR SHOWER PEAKS	13 New Moon 22:07 UT TOTAL SOLAR ECLIPSE VISIBLE IN SOUTH PACIFIC/ AUSTRALIA 	14 Moon at perigee (closest) at 10h UT. 11 	15	16 ACA MEMBERSHIP MEETING (TUDOR HOUSE) 8:00p	17 ACA OBSERVATORY PUBLIC EVENT 6:30p LEONID METEOR SHOWER PEAKS AT 9h UT.
18	19	20 First Quarter 14:32 UT 	21	22	23	24
25	26	27 Full Moon 14:46 UT Moon at apogee (farthest) at 20h UT. 	28	29	30	

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Newsletter of the Astronomy Club of Akron

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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,