



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 33 Number 7

July 2011

SUMMER BREAK! NO MEETING AT KIWANIS THIS MONTH.

Observatory Report

By Ron Kalinoski



Poor weather continues to plague our star parties. Our annual telescope seminar was canceled due to tornado warnings in Stark County. Our Solar Lunar Hotdog event was a semi-success. We got a brief look at the sun through Dave Jessie's double-stacked Coronado 90. Wow! Impressive! Dave had the telescope set up to view surface detail; however, prominences looked great also! Members picked up a fresh grilled hotdog before heading over to Jim Watson's radio telescope demonstration. Jim explained how radio telescopes function and had his 11GHz radio telescope set up to observe the sun. The clouds didn't stop Jim from recording solar signals on his strip chart recorder, but the thunderstorms did end Jim's talk early as we headed to the observatory for shelter. We continued with our previously canceled telescope seminar and explained the important parameters to consider while shopping for a telescope: focal length, f/ number, eye relief, apparent field of view, actual field of view, resolution, types of aberrations, and exit pupil. Mark Kochheiser then explained the advantages and disadvantages of each



Dave Jessie captures solar surface features at our Solar Lunar Hotdog Roast.

type of telescope. Afterwards the clouds gave way and we setup some telescopes for the public to observe Saturn. We tried to get a peek at the

supernova in M51, but we were limited by objective size.

(con't page 4)

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2011 - July Activities Calendar - 2011

Club

- July 2 - OBSERVATORY: Public Event.
09:00 pm EDT (2011 07 03 01:00 UT)
July 23 - OBSERVATORY: Public Event.
09:00 pm EDT (2011 07 24 22:00 UT)
July 30 - OBSERVATORY: Public Event.
09:00 pm EDT (2011 07 31 01:00 UT)

Celestial*

- | | |
|--|---|
| July 1 - New Moon at 08:53 UT. | July 20 - Mercury at greatest elongation (evening) 5h UT. |
| July 4 - Earth at aphelion (farthest) at 15h UT. | July 21 - Moon at apogee (farthest) at 23h UT. |
| July 7 - Moon at perigee (closest) at 14h UT. | July 23 - Last Quarter Moon at 5:03 UT. |
| July 8 - First Quarter Moon at 6:29 UT. | July 30 - METEOR SHOWER: Southern Delta Aquarid
Best seen from southern latitudes. |
| July 12 - Neptune completes first orbit since discovery. | July 30 - New Moon at 18:39 UT. |
| July 15 - Full Moon at 06:38 UT. | |

*Source: www.skymaps.com

FOR SALE

Denkmeir Optical Binoviewer

Super System. \$700

Televue Radian

12mm and 18 mm in pairs.

\$150 each or \$280 a pair

Contact: Fred Fry at riverfry@gmail.com

DO YOU HAVE
SOMETHING FOR
SALE OR TRADE?

POST YOUR ITEM

HERE!

Contact the newsletter editor with the
details of your item for sale or trade at:
truemartian@aol.com

- 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
1025C Hemlock Hills Dr.
Akron, OH 44313

June Treasurer's Report

By Lew Snodgrass

6/1/2011 Through 6/30/2011

Checking Beginning Balance	\$3,260.81
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Income

Magazine Subscriptions	68.00
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Donation	10.00
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Weenie Roast	53.00
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Dues	315.00
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Total Income	\$446.00
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Expenses

Food	66.53
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Magazine Subscriptions	68.00
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Observatory Improvements	25.96
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Total Expenses	\$160.49
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Income Less Expenses	\$285.51
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Outstanding Checks	\$92.49
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Checking Ending Balance	\$3,638.81
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Charter One Ending Balance	\$3,638.81
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Difference	\$0.00
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Savings Opening Balance	\$6,431.76
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Earned Interest	0.26
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Savings Closing Balance	\$6,432.02
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Petty Cash	50.00
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ACA Savings	6,432.02
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ACA Checking	3,638.81
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Total	\$10,120.83
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Article by Lew Snodgrass
ACA Treasurer.

Observatory Report con't

Lew Snodgrass started off our June 25th star party with a presentation on Saturn. Lew got a new laptop computer and projector and was eager to try out his new equipment. This caused a bit of excitement as club members tried to figure out why the system wouldn't work. The best solution was to setup Dave Jessie's laptop computer and the club projector and continue with the presentation. The malfunction did entertain us and we thank Lew for that. Lew handled the situation well and gave a fantastic presentation on Saturn including stunning images of Titan by the Huygens probe.

On June 28th we had an impromptu star party at the observatory under pristine skies. We really had incredible seeing conditions and were able to see four moons of Saturn only 30 minutes after sunset. Members and public attending the event numbered about twenty. We substituted our Meade 40 mm eyepiece with Rick Burke's 31mm Nagler to further capitalize on the seeing conditions. We had eight telescopes setup including Fred Fry's 15" Leviathan. Marissa Fanady came out to the star party to get her first view of the supernova in M51. Marissa also viewed images of M13 and M57 not obtainable with her small aperture Celestron. We closed the observatory at 11:30pm, but some members stayed out until 1am. This was one of the best star parties we had this year.

The skies were cloud-free one hour before star party time on July 2nd, but a low-pressure system on the Indiana-Ohio border exploded, sending clouds to northeastern Ohio arriving at sunset. Mark Kochheiser stepped in to save the evening with a presentation on Mythology. With about 15 attendees, Mark gave a great presentation assisted by his I-Pad that also kept a watch on the approaching storms. Mark's talk included a



Jim Watson explains how photons from the sun end their journey on his strip chart recorder.

slideshow tour through the constellations with an explanation of the mythological figures associated with each constellation. Great job Mark!

On July 4th we held another impromptu star party. Only a few of us showed up for the star party due to

the holiday, but we were treated to excellent skies conditions. The Veil Nebula was visible with an O-III filter. Globular Cluster NGC 6229 looked great at a distance of 102,000 light years. Rick Burke prepared his own observing list that included NGC 4111. This elongated galaxy with a bright nucleus was situated next to a



The crack of thunder in the distance doesn't seem to concern Jim Watson... at least not yet.



Lew Snodgrass teaches young & old amateur astronomers about surface details on Titan.

pretty double star with one bright component and one dimmer component. We also observed the supernova in M51 and thought it might be dimming.

And finally, we held an outreach program on July 6th at the Green Public Library. The Library requested our help back in March. We gave two presentations. The first was an introductory talk on astronomy and the second was a talk on spectroscopy. There were about 20 attendees with a genuine interest in astronomy. Lectures and Q & A sessions lasted two hours. Thanks to Gregg Crenshaw for coming out to this event to help answer questions. We handed out observatory schedules inviting everyone to come out to our public star parties.

Article by Ron Kalinoski,
ACA Observatory Director.



Dave Jessie entertains the crowd while Lew ponders computer configuration problems.

ANSWERS TO JUNE'S WORD SEARCH:

ALL ABOUT STARS

E	F	N	S	F	U	S	I	O	N	Y	Q	F	H	A
R	M	E	V	H	U	S	S	R	R	G	L	C		
E	B	G	S	P	R	O	A	B	A	A	U	S	O	
H	L	O	T	S	Z	O	N	E	W	R	E	D	R	
P	A	R	E	A	E	I	M	D	E	E	A	W	S	O
S	C	D	L	V	B	E	E	O	N	E	A	H	M	N
O	K	Y	L	O	M	T	E	Y	S	R	N	V	O	A
T	H	H	A	N	I	K	P	F	F	G	O	L	R	
O	O	Q	R	H	C	A	O	L	A	S	H	X	V	A
H	I	L	M	X	T	N	A	I	G	D	E	R	A	
P	E	T	I	E	M	B	R	A	L	F	L	F	R	K
M	A	I	N	S	E	Q	U	E	N	C	E	B	O	E
T	I	A	D	R	A	T	S	N	O	R	T	U	E	N
U	L	S	U	P	E	R	G	I	A	N	T	Y	H	B
F	U	M	D	O	T	P	C	B	M	B	Y	B	A	C

An astronaut in space was asked by a reporter, "How do you feel?" The astronaut replied, "How would you feel if you were stuck up here with 20,000 parts, each one supplied by the lowest bidder?"

Source: www.free-funny-jokes.com

ALL ABOUT GALAXIES

E T M I L K Y W A Y D B P Y U
L S J I F R A W D A A Y G X T
L R R A L U G E R R I F G A G
I U E M V X V K R C E N N L N
P B B V O Q M E W H I I I A E
T R D Z I A D Q E T Z J B G L
I A R E T S U L C R E P U S B
C T A T P A S A G Q G F R O B
A S E I S M R A R W G Q A M U
L R R A T E S Y M C W X R B H
Y A R U T A S P I R A L E R N
L X V N T F I H S D E R V E I
W H I R L P O O L T S P M R W
L L E N T I C U L A R C U O D
A D E M O R D N A A R Q L S E

The ANDROMEDA galaxy
BARRED SPIRAL galaxy
DARK MATTER
DWARF galaxy
EDWIN HUBBLE
ELLIPTICAL galaxy
GALAXY
INTERACTING galaxies
IRREGULAR galaxy
LENTICULAR galaxy

The MILKY WAY galaxy
QUASAR
RED SHIFT
The SOMBRERO galaxy
SPIRAL galaxy
STARBURST galaxy
SUPERCLUSTER
SUPERMASSIVE black hole
VERA RUBIN
The WHIRLPOOL galaxy

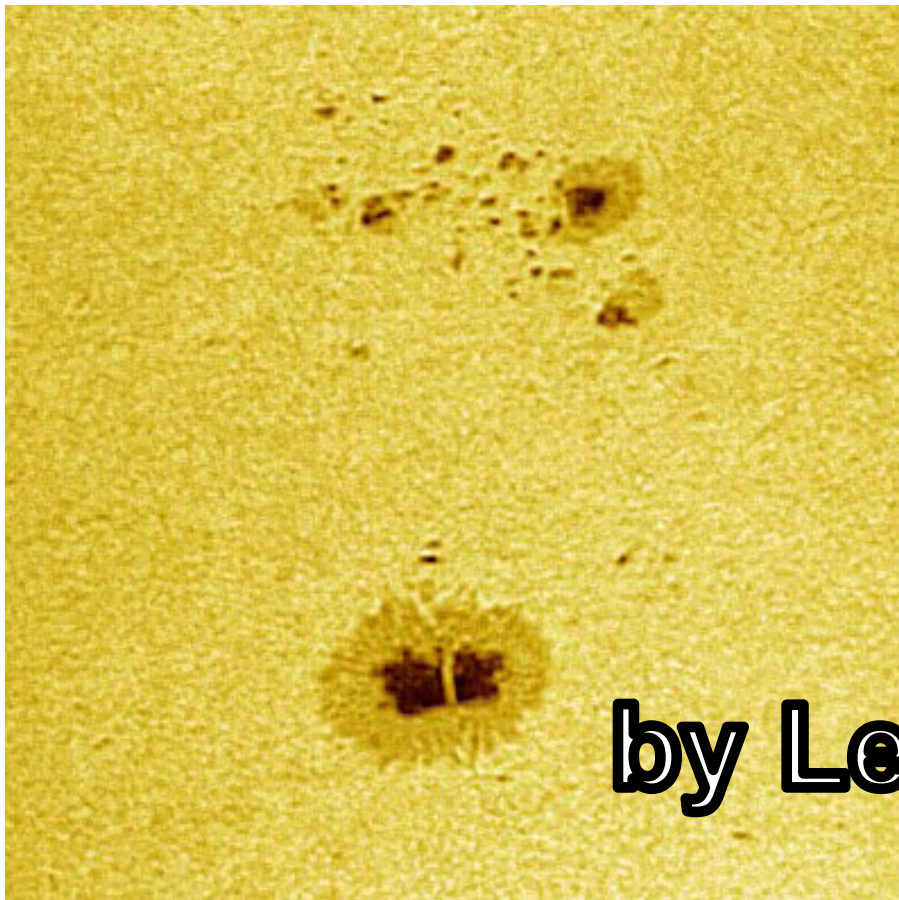
Answers in next month's newsletter.

Created with: <http://puzzlemaker.discoveryeducation.com/>

NEW IMAGES



Sun - 06/17/2011 03:20 pm EDT
Coronado Maxscope 90 DS Ha α 0.5Å
SBI6 ST2000XM
by: Len Marek



by Len Marek

The Night Sky

Newsletter of the Astronomy Club of Akron

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Akron, OH 44313-6124

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.