



The Night Sky

The Newsletter of
The Astronomy Club of Akron

www.acaoh.org

Volume 33 Number 6

June 2011

SUMMER BREAK! NO MEETING AT KIWANIS THIS MONTH.

Ramblings of the President

By Dave Jessie



Camp CHOPS

Camp CHOPS (Children's Hospital Oncology Patients and Staff) was held at a new location for the first time in twenty years. In the past, this event had been held at Camp Christopher in Bath at the intersection of Ira and N. Hametown roads. A new location was selected primarily because of a heated pool at Camp Carl – a desired feature for the campers. Also, some patients attended from another hospital and Camp Carl was more centrally located. We arrived prior to 8:00pm and had ample time to set up equipment before the campers arrived to view the heavens. The Club is grateful to the following members who devoted their time to this worthy event: Rosaelena Villaseñor, Dan Dickenson, Gary Smith, Rick Burke, Freddy Huffman, Tom Mino, Fred Fry, Norm Schmidt (aka "Uncle Sam" for obvious reasons), and Dave Jessie. Also to former member Dave Steele. Gary went so far as to bring a set of large poster-size prints which he displayed on an ingenious easel in case clouds prevented a view of the real thing. We set up in a huge field with clear horizons all around.



Members of the ACA set up their gear for Camp CHOPS 2011 (Children's Hospital Oncology Patients and Staff) at Camp Carl.

Glorious! Night fell and suddenly we were bathed in security lights from camp buildings to our west. We were not happy, but honestly, the campers didn't seem to mind at all and that's really all that was important. Saturn was gorgeous and that's all most of the campers I overheard were talking about. They couldn't believe they actually saw Saturn's rings. Here are some pictures taken by Rosaelena showing your fellow Club members in operation setting up gear...see if you can find Norm Schmidt.

Camp WUNDERLUNG

On August 12, 2011 at 8:00pm at Camp Y-Noah. At this event, we provide a night under the stars for children from Children's Hospital who have severe breathing disorders but you'd never know it based on their enthusiasm and interest in the Moon, planets and stars that we show them each year. In years past, this event has taken place at Camp Christopher and last year at Camp Y-Noah. This year it's again to be at Camp Y-Noah in Clinton, OH near
(con't page 4)

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Lou Poda

2011 - June Activities Calendar - 2011

Club

June 3 - Camp CHOPS at Camp Carl
08:00 pm EDT (2011 06 04 00:00 UT)

June 4 - OBSERVATORY: Public Event.
09:00 pm EDT (2011 06 05 01:00 UT)

June 4 - CVAS OTAA Convention
05:00 pm EDT (2011 06 04 21:00 UT)

June 11 - OBSERVATORY: Public Event.
06:00 pm EDT (2011 06 11 22:00 UT)

June 25 - OBSERVATORY: Public Event.
09:00 pm EDT (2011 06 26 01:00 UT)

Celestial*

June 1 - New Moon at 21:02 UT.

June 1 - Partial Solar Eclipse at 21:16 UT.
Not visible from Ohio.

June 9 - First Quarter Moon at 2:09 UT.

June 12 - Moon at perigee (closest) at 2h UT.

June 15 - Full Moon at 20:12 UT.

June 15 - Total Eclipse of the Moon at 20:13 UT.
Not visible from Ohio.

June 21 - June Solstice at 17:17 UT.

June 23 - Last Quarter Moon at 11:48 UT.

June 24 - Moon at apogee (farthest) at 4h UT.

*Source: www.skymaps.com

Minutes of the May 27, 2011 General Meeting

By Rosaelena Villasenor



Fellow Members of the ACA,

There were not enough members in attendance for a quorum to have a business meeting. However, we did cover a few items of discussion briefly.

In the absence of a presenter we watched a video entitled 'SEEING IN THE DARK', with Timothy Ferris. A passionate film dedicated to amateur astronomy. If you have not seen it or wish to see it again, it is available from your local library.

- Ron presented an appreciation plaque to the club from the Boy Scouts at camp Butler.
- Camp Chops at Camp Carl was held at a new location. Dave covers this outreach activity in his "ramble from the president" this month.
- We were reminded to renew our dues that expire during the month of May.
- Treasurers report by Lew Snodgrass. Details are available in his column.
- The next meeting will be in September. We do not meet at Kiwanis during the summer months but we do hold star parties at the observatory in Portage Lakes State Park.

*Article by Rosaelena Villasenor,
ACA Assistant Secretary/Treasurer.*

- 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

May Treasurer's Report

By Lew Snodgrass

5/1/2011 Through 5/31/2011

Checking Beginning Balance	\$2,764.61
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Income

50/50 Drawing	26.00
Donation: Lou Poda	26.00
Donation: Cub Scout 3339	50.00
Dues	394.20
Total Income	\$496.20

Expenses

	0.00
Total Expenses	\$0.00

Income Less Expenses	\$0.00
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Checking Ending Balance	\$3,260.81
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Charter One Ending Balance	\$3,260.81
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Difference	\$0.00
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Savings Opening Balance	\$6,431.49
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Earned Interest	0.27
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Savings Closing Balance	\$6,431.76
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Petty Cash	50.00
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ACA Savings	6,431.76
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ACA Checking	3,260.81
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Total	\$9,742.57
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*Article by Lew Snodgrass
ACA Treasurer.*

Ramblings (con't)

the Akron-Canton Airport. We arrive by 8:00pm which gives us plenty of daylight time to set up equipment to prepare for the eager campers and counselors. By 10:30pm, most of the campers are in for the night so we're free to leave or stay and observe. My guess is that both Camp CHOPS and Camp WUNDERLUNG will both be at Camp Carl next year, but we'll have to wait and see. Visit the ACA homepage at www.acao.org for more information including a Google map and directions from wherever you are. Clear skies, everyone!

*Article by Dave Jessie,
ACA President.*



John Shulan sets up his 11" Schmidt-Cassegrain telescope for the Cub Scouts of Pack 3339.

Observatory Report

By Ron Kalinoski



On May 20th we had an outreach program at the observatory with Cub Scout Pack 3339. This event was re-scheduled due to weather and this time the observing conditions were excellent. About twenty scouts and parents attended the event. Scout Master Scott Rader presented ACA with a \$50 donation at the star party. Thanks to Lew Snodgrass and John Shulan for their help at this event.

Our telescope seminar was canceled due to severe weather on June 4th. We decided to have a star party the following day since the weather forecast was very good. Jason Shinn reported Sunday morning that a supernova had been discovered in M51, The Whirlpool Galaxy. A French amateur astronomer, Stephane Lamotte Bailey discovered the supernova on May 31st. Its brightness was reported to be around 14th magnitude. After several e-mails throughout the day, the Supernova Team was assembled: Mark



Members of Cub Scout Pack 3339 of Clinton, OH get ready for a star party presentation.

Kochheiser, Ed Howe, Gary Smith, Mary & Ed Pickelsimer, Bob Benedict, Gregg Crenshaw, Ann & Russ Farrell, Fred Fry, Jason Shinn, Rick Burke, and Ron Kalinoski. At 8:45pm, the team arrived at the observatory with telescopes, star maps and cameras, and a desire to view the supernova up close and personal.

Luck finally came our way with perfect sky conditions and M51 located near the zenith at prime observing time. Since extended twilight is a phenomenon this time of year, we gazed at a thin crescent Moon, Saturn, and The Great Hercules Cluster until about 11pm. Then we slewed the 14" telescope to

M51. With detailed star maps at our side, we located the exact position of the supernova within the galaxy and there She was! A bit faint and fleeting, only seen with averted vision using the Meade 40 mm Superwide eyepiece. Several of us verified the observation. Rick Burke brought out his 31mm Nagler to see if it would enhance the image. Wow! Yes, a step change in image quality! The observer could easily lock-on to the supernova and hold it in sight for any length of time. The \$550 eyepiece was worth its price for that one observation. This was the first visual observation of a supernova for each member of the group. Next, we setup to image the supernova. After some short exposures to position the galaxy in the center of the frame, Rick Burke set the camera for a three-minute exposure. You could feel our anticipation after the camera shutter finally closed. And there it was, beautiful, just as we visually observed the star position within the spiral galaxy. It was about 1am and the Supernova Team had been slowly shrinking in size. The last few holdouts continued to take more exposures and until finally around 2am, we shutdown the operation. What a great night! Still have a Supernova High!

Article by Ron Kalinoski,
ACA Observatory Director.

ANSWERS TO MAY'S WORD SEARCH:

MEMBERS OF THE MESSIER LIST

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



(left to right) Lew Snodgrass, Ron Kalinoski, and Rick Burke present the club with the appreciation plaque given to them from the Boy Scouts at Camp Butler.

SUPERNOVA SUNDAY



Part of the Supernova Sunday gang. (left to right) Rick Burke, Ed Howe, Ann Farrell, Ron Kalinoski, Mary Pickelsimer, Gary Smith, and Russ Farrell.



Bob Benedict (left) and Jason Shinn (right) with Jason's two dobs on Supernova Sunday.

ALL ABOUT STARS

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

BINARY star
BLACK HOLE
CHROMOSPHERE
CORONA
DWARF star
Solar FLARE
FUSION
HYDROGEN
MAIN SEQUENCE
NEUTRON STAR

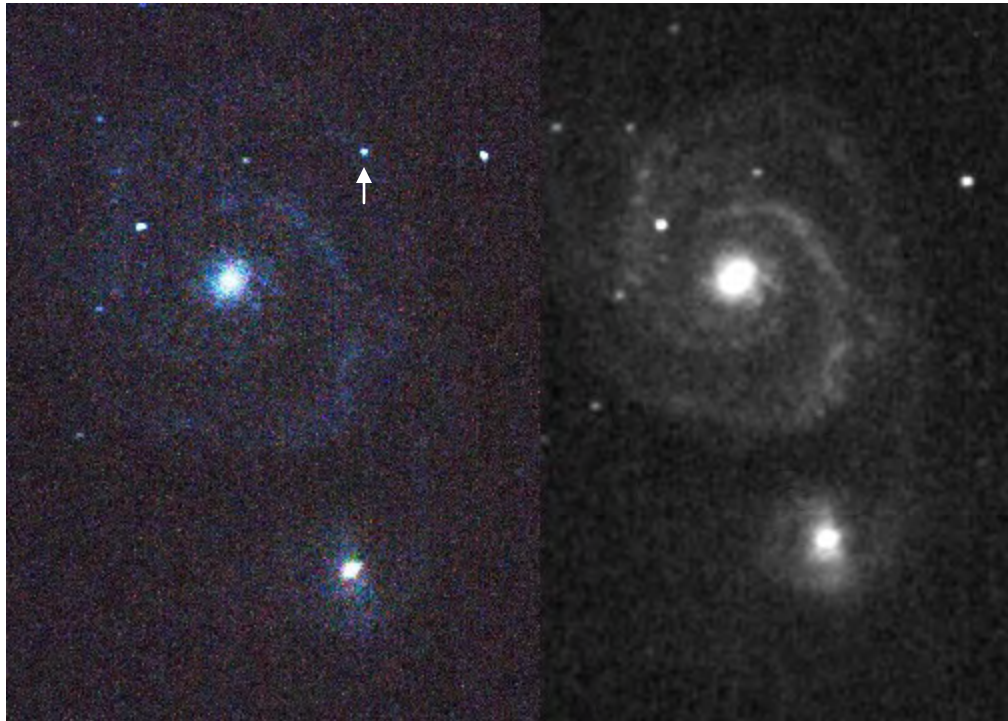
NOVA
PHOTOSPHERE
PLANETARY NEBULA
RED GIANT
STAR
STAR SPOT
STELLAR WIND
SUPER GIANT
SUPERNOVA
WHITE DWARF

Answers in next month's newsletter.

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

NEW IMAGES

SN 2011dh



THE WHIRLPOOL GALAXY - UT20110606
This is a preliminary processing of the series of images captured Sunday night of the galaxy and supernova. The raw data are available from Rick Burke.

COMPARISON IMAGE - UT20080408
This comparison image was taken by ACA member Jason Shinn in 2008. It shows the galaxy, absent the supernova.

Supernova Sunday

NEW IMAGES



by John Crilly

NEW IMAGES



Sun - 05/08/2011 04:23 pm EDT
Coronado Maxscope 90 DS Ha 0.5\AA
SBIG ST8300XM
by: Len Marek



Sun - 06/01/2011 03:44 pm EDT
Coronado Maxscope 90 DS Ha 0.5\AA
SBIG ST8300XM by:
Len Marek

by Len Marek

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Newsletter of the Astronomy Club of Akron

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c/o Lew Snodgrass, Treasurer
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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.