TWIN CITY AMATEUR ASTRONOMERS, INC.

The OBSERVER

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RECENT E/PO EVENTS

The September POS slated for September 2nd was clouded out and therefore cancelled. We are now down to the last remaining POS scheduled for 2011. Details are as follows: October 1st: Jupiter's Moons (4 day old moon) Coordinator: *Tom Weiland*.

Several TCAAers hosted an observing session for about 10 IWU students and their professor, Dr. Linda French, on Tuesday, September 20th. Assisting with observing were Bob Finnigan, Dave Osenga, Lee Green, William Carney, Dan Miller, Tony Cellini, and Carl Wenning.

Bob Finnigan and William Carney did a little of informal outreach Wednesday, September 21st. They were at SGNC and found a garden club meeting in progress. Bob showed some the observatory and William answered questions for others about scopes and equipment outside using his set up.

On Wednesday, September 28th, two TCAAers were present at Easy Bay Camp starting at 7 pm to give and talk and provide viewing for three 6th grade Outdoor Education classes from Metcalf School. The program was provided for teachers Jennifer Kane, Patti Koranda, and Peggy Finnegan. The program began with Lee Green giving a talk with 48 students in attendance. His talk dealt with the Earth, Sun, and Moon, and how their motions have led to the concepts of the day, year, and "month". Lee reported that "There were many excellent wide-ranging questions. The clouds prevented us from looking through my telescope so we just used the time for additional Q&A." Bob Finnigan assisted despite the overcast sky.

Carl Wenning conducted an observing session for the astronomy class at Roanoke-Benson High School on Friday evening, September 30th. Fortunately, they were able to use a dark observing site about 2 miles west of town. He was there to exhibit the night sky to 11 of Mr. Jerod Gross' astronomy students and 5 others. The session ran for nearly two hours despite the presence of scattered clouds. Carl finished off the evening telling UFO stories – a traditional request by this group of students.

Also on September 30th, Lee Green gave a presentation at Gridley Library. Lee reported that 48 people were in attendance and that his presentation was followed by many good questions.

Clear skies and a 4-day-old crescent moon greeted the TCAA and some 20 members of the general public for the last POS held during 2011. Tom Wieland gave a presentation dealing with Jupiter and its Moons. Dave Osenga followed up with a laser-mediated sky lecture. Following these presentations, attendees used the 9 TCAA telescopes set up for public viewing in the SGNC parking lot. Attending on behalf of the TCAA were the following members: Tom and Carolyn Weiland, Dave Osenga, Lee Green, Brian Barling, William Carney, Bob and Cheryl Finnigan, Don Cooper, Tony Cellini, Carl Wenning, Mark Honzell, and Paul Pouliot along with Amber and Eve. Also attending and counted among the members of the general public was Dave Peters from Flanagan. Dave, as some of you might recall, attended the TCAA annual meeting this past February.

TCAA BOARD MEETING—SEPTEMBER 13, 2011

The TCAA Board meeting was held at the office of Duane Yockey on September 13, 2011. President Dave Osenga called the meeting to order at 6:30pm. In attendance were Dan Miller, Paul Pouliot, William Carney, Tony Cellini, Duane Yockey, Lee Green and Bob Finnigan. Carl Wenning arrived later. The minutes of the previous meeting were unanimously approved as were the Treasurer's report.

William reported on the observatory and the status of upgrades to a recently donated 6" refractor. During a lively discussion, Dave noted that a history of the scope might be of interest and Bob recounted some of its history of use in Messier observations. Dan noted that several LX-200 scopes that would also be effective for Messier observations could become available. William also noted that he planned to place some river rock around the base of the observatory to facilitate drainage and Lee agreed to help coordinate this.

Lee recounted the recent progress in the shed project at the Nature Center and reported that our storage area is ready for use. The next step there is to install the electrical systems for the building. He noted that the club had inquired about making a contribution and that the purchase of the electrical materials might be an appropriate way to help. Dan moved to allocate up to $2000 for the project. He acknowledged the Nature Center's continuing support of the TCAA and their generosity and Carl spoke of how this would be a worthy cause. The motion was adopted. Dan and Dave offered to assist Lee in preparing the plans.

(Continued on page 2)

The OBSERVER is a monthly publication of the Twin City Amateur Astronomers, Inc., a registered 501 (c)(3) non-profit educational organization of amateur astronomers interested in studying astronomy and sharing their hobby with the public.

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Submission deadline is the first of each month.

Membership Dues
Individual Adult/Family $40
Full-time Student/Senior $25
Electronic Newsletter $25

To join the TCAA, send your name, contact info and dues payment to
Duane Yockey
508 Normal Avenue
Normal, IL 61761

TCAA BOARD MEETING—SEPTEMBER 13, 2011 (CONT.)

(Continued from page 1)

Duane reported that the annual ISSDS, held the Sangamon Astronomical Society, will be held Sep. 29 – Oct. 1, 2011 at the Jim Edgar Panther Creek State Fish & Wildlife Area. He had heard no news about the combined NCRAL/ALCON 2012 to be held in Chicago.

Dave suggested that we could defer the purchase of plaques for the award programs we have previously discussed, the Distinguished Service Citation and the Lifelong Honorary Membership. Dan moved that we formally establish both awards and leave the option of purchasing plaques to the Board. The motion carried unanimously.

Revisiting other items of old business, William reported that the keys to the observatory are in the safe. No new member telescope training events have been scheduled. Lee agreed to check on the status of a repair of the club's QSI camera. Lee submitted a completed insurance application for review and Duane will forward this to get a quote. Upcoming events were discussed and several members volunteered to assist at these events.

Dave expressed the club's gratitude for several recent donations of equipment, including a pair of 80x20 Oberwerk binoculars and an Orion Mak-Cas tube by Robert Meeker. He also noted that Tom's efforts to get material from Astronomy magazine were successful and material had been distributed at our public events.

Discussions about the 2012 Public Observing Session revealed a concern about having too much Moon for effective viewing. Carl suggested that holding the sessions closer to the New Moon weekend would help observations but noted that the calendar for 2012 was problematic. Carl and Lee will work together to suggest dates and topics for the new schedule. Carl also noted that the event coordinator is responsible for making the decision to cancel a viewing session due to poor weather.

Dave suggested that it was not too early to start planning for our next annual meeting and noted that the traditional date was around Valentine's Day. February 11 and 18 were suggested as possible dates. Venues were discussed and the Normal Township Hall, the location used last year, was a leading contender. Dan volunteered to be a speaker for the event and suggested the Peruvian Mythology might be and interesting topic.

A trip to Peru is being planned for the Christmas break. Dan indicated that plans were progressing and that additional details would soon be communicated. A partial itinerary includes Lima, Machu Picchu, the Nazca lines and Cuzco. Carl indicated that he may have a group of people interested in participating.

The next Board meeting is scheduled for November 8.

Respectfully submitted,

Lee Green

Secretary

JOHN WERNER WINS ALConEXPO 2011 ASTROPHOTO CONTEST

One of TCAA's own, John Werner, has won this year's ALConEXPO 2011 astrophoto contest. Congratulations John! His winning entry – Antares & Rho Ophiuchi – prominently appeared in the September issue of The Reflector, page 15. The region photographed is composed of some beautiful reflection nebulae and dark lanes. John used an Orion EQ1 mount motorized in RA. Camera was a Hutech-modified Canon Rebel XT or 350D. His telescope was a 70mm-200mm telephoto Canon lens set at 70mm. Exposure was 22 frames at 2 minutes duration each. Processed in Deep Sky Stacker with dark frames applied. Adjusted curves and levels in Microsoft Digital Image Suite.

The photo was taken at the highest point in the National Park – Rainbow Point, at 9,000 feet, Thursday June 30, 2011 at ALCON 2011.

The object was Antares and Rho Ophiuchi region, which is composed of some beautiful reflection nebulae and dark lanes.

AL OBSERVING PROGRAM STANDINGS—QUARTERLY REPORT

Below is a listing of the status of active TCAA observers pursuing AL observing programs reported as of October 2nd.

☆ Dave Osenga has completed 53 Binocular Messier observations – qualifying him to receive this observing award – and 25 Southern Sky Binocular Observations. He remains only 3 observations short of earning the honorary Messier Certificate and pin.

☆ Lee Green has observed 95 of the required 100 observations required for the AL's basic-level open cluster observing program. He has also made great progress imaging dark nebulae – a total of 63 – and he nearly qualifies for the corresponding award as well.

☆ Carl Wenning has added yet one more planetary nebula to his observing program record leaving 7 objects before he earns the advanced level certificate and pin. He has now completed more than half of the 400 required observations for the Herschel II observing program, having added a few more objects during August.

If you would like to have your information included in next January's listing, be certain to forward your observing totals to Carl by the end of December. Be certain to get your completed observing records to our ALCor, Duane Yockey, as soon as the observing program is complete so that you might be appropriately recognized on a timely basis. Our next award presentation will be at the February Annual Meeting.

Astronomical League Observing Club	Brian Barling	William Carney	Lee Green	Dave Osenga	Carl Wenning	Duane Yockey
Asteroid Club Reg25/Gold100		(52)				
Binocular Messier 50		(100)	(72)	53**	(78)	49
Caldwell 109					34	
Comet Club Silver12/Gold30		(31)			4	
Dark Nebula Imaging 70			63			
Deep Sky Binocular 60		60*	43		(60)	
Double Star Club 100	17		100*		(100)	
Earth Orbiting Satellite 28		5				
Globular Cluster Club 50			(55)		(65)	
Herschel Club 400	268	(400)	(400)		(400)	
Herschel II Club 400					220	
Lunar Club 100	(100)	(100)	(100)	(100)	(100)	
Lunar II Club 100		34				
Open Cluster Club B100/25//A125/50			95		2	
Planetary Nebula Club B60/A110		1			(103)*	
S. Skies Binocular 50				25	(50)	(50)
S. Sky Telescope 50					(52)	(50)
Telescope Messier Pro70/Hon110	(110)	(110)	110***	107*	(110)	31
Master Observer (10 clubs)	2	8	7	2	(10)	2
Urban Club 100		(100)	(100)		(100)	
Outreach Award B10/S60/M160			(*, **), ***		(*, **, ***)	

* Program or first award level now complete. ** Second award level now complete. *** Third award level now complete. AL recognition (certificate and/or pin) will be given at the next general membership meeting if available. Numbers in parentheses (#) indicate that the associated pin and/or certificate has been received.

OCTOBER SKY GUIDE

03 Venus passes 3° north of Spica, 7 A.M.

07 The Moon passes 6° north of Neptune, 9 P.M.

10 The Moon passes 6° north of Uranus, 5 P.M.

13 The Moon passes 5° north of Jupiter, 3 P.M.

Saturn is in conjunction with the Sun, 4 P.M.

21 Orionid meteor shower peaks

The Moon passes 6° south of Mars, 7 P.M.

22 Asteroid Juno is in conjunction with the Sun, 8 P.M.

27 The Moon passes 0.2° south of Mercury, 9 P.M.

28 The Moon passes 1.8° south of Venus, midnight

Jupiter is at opposition, 9 P.M.

31 Saturn passes 5° north of Spica, midnight

SEPTEMBER OBSERVERS' LOG

September has turned out to be a bit bleak of a month for observations with over two-thirds of the month having either 90%, or greater, cloud cover, or a waxing full moon. Despite this, a few dedicated souls managed to find a night, or two to go out and challenge the moon. And, they were rewarded well for their efforts!

In the astrophotography corner, we find Bob and Lee managed to capture the Bubble Nebula in fantastic detail. Their other photos this month include: the Heart Nebula, Sharpless 171, the Soul Nebula, and the Cave Nebula. These two are still working on the Iris Nebula and the Helix Nebula. Bob also chased C2009/P1 (Garradd) a little bit. Lee worked on classifying stellar clusters and managed to squeeze in his 60th dark nebula for the Astronomy League observing requirements. Some of these photos are posted on the Yahoo! TCAA group. (http://groups.yahoo.com/group/TCAA/) Just ask Bob for the rest.

Early this month, Tony loaded up his system with new tracking software and found it to be successful, which led to some great photographs of the Tulip Nebula. Unfortunately, the same moon grew brighter over the next few days, but Tony, undaunted, pursued M13 in Hercules and the Perseus Double-cluster. (I guess narrow-band filtering really helps with brighter skies.) Tony's photos can be viewed on his website: http://www.dwfoto.com/blogs/blog6.php.

In the visual viewing arena, Mark made it out for one night of viewing. Knowing that time would be limited for the month of September, he stayed until 3am on that one night. In the process, he managed to observe a few more Messier objects as they rose just above the city glow, which brought his current total over the first threshold of 70 objects. While the moon was higher overhead, he spent the night drawing double stars for another Astronomy League goal. And, Dave managed to find a hole in the sky one night allowing him to work in a few Messier objects with a pair of binoculars bringing his total up to 52 for the Messier Binocular club.

When the skies do not cooperate, members work on the site, and this month was no exception. Will worked on moving gravel to help drainage around the observatory. Lee and Lex made plans for improving the electrical distribution of the observatory. And, if you're looking for something to do, I believe there is another 3000 lbs of gravel to move about smartly.

While a bit skimpy for the month, so was the viewing. I'm sure there were more, but the reports were few. So, if you observe during the month, please send me a photo, a link, or a report! I'd love to include your accomplishments. And, don't be surprised if you get an e-mail, or two, from me trying to check up on your progress.

HOW TIME FLIES

TCAA Historian Carl Wenning will provide monthly updates about the history of the club going back to intervals of 50, 25, and 10 years ago. Details about all mentioned events will be found in either the club history (http://www.tcaa.us/History.aspx) or in *The OBSERVER* archive found on the club's web site (http://www.tcaa.us/Observer.aspx).

50 Years Ago

October 1961 – Mirror making and variable star observing top the list of club activities, and a public observing session is scheduled as well. A 10-inch mirror is nearing completion for a proposed club observatory. Hank Janecek is nearly finished constructing his $4^1/_4$-inch reflecting telescope. David Williams is promoting observations of variable stars.

25 Years Ago

October 1986 – The October 18th general membership meeting was attended by 29 individuals. Daren Drake, Carl Wenning, Ayne Vandenbrook, and Mike McCall all give talks about various aspects of observing. Kevin Brown assisted Carl to present a sky lecture-based planetarium program. David Portree played a NASA tape. Plans were made for in-town observing sessions to increase outreach and possibly membership.

10 Years Ago

October 2001 – Management of SGO is addressed and the biggest concern right now is the infestation of pests during the approaching autumn. Sandy McNamara continues to write her columns for *The OBSERVER*. The "Starry Messenger" by Galileo is selected as the book of the month for the TCAA Reading Group. Mike Rogers give another of his public talks at the Bloomington Public Library.

THE FLEDGLING ASTRONOMER—OCTOBER 2011

By Mark Honzell

Since we last met, I poured through reviews and forums trying to find out what would be the best telescope for me. I quickly found that the amount of new terminologies applied to telescopes and the art of astronomy can be staggering. And, there seems to be a lot of terminology that, while technical sounding, has been reduced to meaningless drivel due to the sale of cheap telescopes and business tactics to get me to buy them.

Most of the confusion was avoided by attending a local astronomy club where I was taught how to setup and use a telescope, what terminology was actually useful and how some of this equipment actually performs. Unfortunately, I also observed there were no fledgling astronomers and the scopes being used by the "amateurs" were a bit on the professional side of the equation with multi-thousand dollar folded-scope setups. I don't think I can afford this hobby.

My fears were quickly put to rest when the experts pointed out that they all started with much humbler equipment. In fact, they pulled out a Dobsonian reflector for my use and allowed me to spend the night wandering the skies to see how simple it works and the wonders I could find with this $300 telescope. I feel much better now. This telescope contained a 10.1" primary mirror and I could actually see things in a level of detail I had only witnessed in photographs.

With this knowledge of how to setup and use a telescope, I went back to my garage sale telescope and found I could see the same thing, just a lot smaller and a lot less detail. I learned my first fundamental lesson: more aperture, more light gathered, more detail. Smaller apertures can see the same detail if you could capture the light over a period of time and then enlarge the image. This would be the process behind astrophotography, but that equipment is rather expensive because the optics and automated guidance need to be very precise and able to track an object as it moves across the sky so your image does not become blurred with the motion. This is not a path I can afford at this time.

Instead, I will pursue my original goal of observing with my own eyes. Returning to the first fundamental, I need the largest aperture I can afford. Additionally, I now realize that since I live in the city, most of my view is being blocked by the stray light from city lights. I will need to take my telescope to a location where the city has much less influence and this brings up the concept of portability.

Lastly, what I want to view may dictate whether I go with a refractor or reflector since planetary observations tend to be better in refractors and dim objects tend to be better in reflectors due to the peculiar aberrations caused by each telescope. Again, returning to the first fundamental, if I find that if I pursue a telescope bigger than a six inch aperture, reflectors easily win the choice when considering the additional aspects of cost and portability.

My experience at the astronomy club and personal ownership of both a small reflector and small refractor helped narrow my choice to a simple reflector.

FINNIGAN—TCAA SPOTLIGHTED

Bob Finnigan and the TCAA were featured in a column that appeared in the September 8th issue of the *Cast-County Star Gazette*. Bob recently gave a tour of the club's observatory at SGNC. This resulted in a column by Roy Roberts titled "Visit to Funks Grove Nature Center and Museum". Roy spotlighted Bob's recent astrophotographic work and described the SGO. Congratulations to Bob for getting a bit of limelight for the club.

2011 IDSSP

By Duane Yockey

The 2011 Illinois Dark Sky Star Party was held from Thursday, September 29 to Sunday October 2. It was well attended with clear skies every night! Thursday night was very windy, but there was no dew at all. Friday and Saturday evenings were chilly with frost by Sunday morning.

I arrived Thursday evening and set up my tent and telescope. We had excellent viewing through the entire evening, although the wind was an issue for many participants. Even my heavy scope was shaking from time to time.

Friday was sunny all day. The afternoon speaker was Dr. John Martin, associate professor of Astronomy-Physics at the University of Illinois-Springfield. His talk was on supernova surveys and the growing sample of supernova impostors that was being studied. These stars flare up like supernovas, but when done, the star is still there. Eta Carinae is one of these impostors. He and several other universities have a grant for ongoing research into these "false supernovas". Friday night was another fine time for viewing

Likewise Saturday was an excellent day weather wise, and I spent considerable time hiking and driving though the park, taking in the autumn splendor. The afternoon speaker was Nancy Atkinson, senior editor of "Universe Today" and project manager for "365 Days of Astronomy". She gave a talk on "NASA & Space Science Update" showing current and future plans for NASA, space agencies of other countries and private ventures. Saturday evening was excellent for viewing again. Alas, I and the cold weather drained my power pack, so I resorted to my old dob and looking through other bigger and better instruments. The highlight for me was viewing Stephan's Quintet before retiring for the frosty evening.

I had a very enjoyable time at the event again this year. The attendees were fun to be around, the food was excellent, the programs were enlightening, and viewing the autumn colors of the forests and prairie was worth the trip. I encourage TCAA members to consider attending this event next year.

MISSION DIRECTORATES

By Lee Green

I have heard the term “mission directorate” several times recently and I didn’t understand the implications. So I looked it up and wanted to share what I found. The following are excerpted from the NASA website.

NASA's four mission directorates—Space Operations, Aeronautics Research, Science, and Exploration—work to advance global understanding of the systems and processes on our planet, in our atmosphere, and in the cosmos. The core tenet of NASA's existence is to spread our accumulated information for the benefit of humankind. As we work towards making our processes even more open, we are striving to create even more opportunities for public participation and collaboration. This section will give you a basic understanding of the goals and objectives of each mission directorate as well as a glimpse into how they have formulated their Open Government activities.

Space Operations Mission Directorate and Open Government

Missions to the International Space Station and Beyond

The NASA Space Operations Mission Directorate includes the work of the International Space Station (ISS), the Space Shuttle Program, the Launch Services Program, and the Space Communications and Navigation (SCaN) Program. These programs comprise NASA's human spaceflight activities on orbit as well as the launch and communication services for all NASA human and robotic spacecraft. To achieve our mission, we must partner with other organizations, both internationally and domestic. We strive to make all activities as open and participatory as possible so that everyone on planet Earth may be a part of these missions of discovery and exploration.

Aeronautics Research Mission Directorate and Open Government

Conduct Aeronautics Research for Societal Benefit

The Aeronautics Research Mission Directorate (ARMD) uses a balanced research and development portfolio to explore early-stage innovative ideas, develop new air vehicle technologies and air traffic operational procedures, and demonstrate the potential of promising new vehicles, operations, and safety technology. Our goals are to expand aviation system capacity, enable fuel-efficient flight planning, reduce the overall environmental footprint of airplanes today and in the future, reduce delays on the ground and in the sky, and improve the ability to operate in all weather conditions while maintaining the current high aviation safety standards. We address research challenges that must be overcome in order to enable the Next Generation Air Transportation System (NextGen) and the vehicles that will operate within it. Partnerships and citizen engagement are essential to our research.

Science Mission Directorate and Open Government

America's Space Program: Scientific Discoveries for Everyone

NASA leads the nation on a great journey of discovery, seeking new knowledge and understanding of our planet Earth, our Sun and solar system, and the universe out to its farthest reaches and back to its earliest moments of existence. NASA's Science Mission Directorate (SMD) uses space observatories to conduct scientific studies of the Earth from space, to visit and return samples from other bodies in the solar system, and to peer out into our Galaxy and beyond. Through our publicly available mission data sets, education and public outreach programs, Web sites, and other participatory exploration programs, we continue to extend our long tradition of openness and active community involvement in scientific exploration.

Exploration Systems Mission Directorate and Open Government

Creating Technologies and Capabilities for the Expansion of Humanity into the Solar System

NASA's Exploration Systems Mission Directorate (ESMD) manages the development of capabilities for long-duration human and robotic exploration, including human transportation elements, robotic precursors to scout targets for future human activities, demonstrations of technologies that could reduce the cost and expand the capability of future space exploration activities, and the creation of innovative life support and medical technologies. We focus on increasing participation in exploration activities by a wider and more diverse group of both new and established partners. Today, other federal agencies, industry, and academia actively participate with NASA, and we work extensively with other space-faring nations to collaborate on mutually beneficial plans for the future exploration of space. We are also focused now on identifying and pursuing innovative ways in which to meaningfully engage the general public in NASA exploration activities.

TCAA Treasurer's Report – September 2011

OPERATING FUND BALANCE – August 31, 2011 -		$ 1,604.72
Income		
Jared Kagel (Dues) -	$	41.00
Larry Leetzow (Student Dues) -	$	25.00
Tony Cellini (Dues) -	$	40.00
Expenses		
LYB Inc. (Observer copies & postage) -	$	33.48
PayPal (Jared Kagel) -	$	1.20
OPERATING FUND BALANCE – September 30, 2011 -		$ 1,676.04

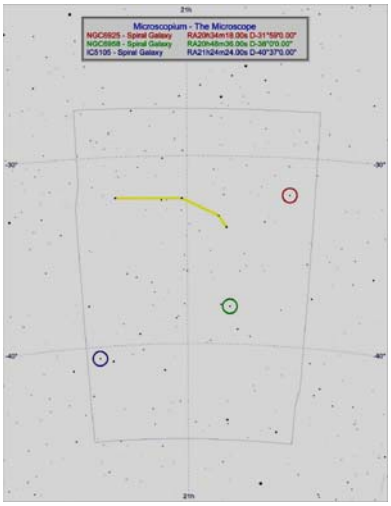
OBSERVATORY FUND BALANCE – August 31, 2011 -		$ 2,753.85
Income		
Interest -	$	0.00
Expenses		
None! -	$	0.00
OBSERVATORY FUND BALANCE – September 30, 2011 -		$ 2,753.85

TOTAL TCAA FUNDS – September 30, 2011 - $ 4,429.89

Respectfully submitted,

L. Duane Yockey, Treasurer

CONSTELLATION OF THE MONTH: MICROSCOPIUM—THE MICROSCOPE



This small dim constellation which lies south of Capricornus is best seen during the late summer. First described by Lacaille, the constellation is made up of mostly dim stars and has no mythology associated with it. As with most of the LaCaille constellations this memorializes scientific instruments invented during 17th century, in this case, the microscope. None of the stars of Microscopium are named.

Microscopium is the 66th largest constellation covering 210 square degrees. It is the 82nd brightest constellation and reaches opposition on August 6.

Among the deep space objects in Microscopium are several faint galaxies. NGC6925, NGC6958 and IC6105 are 11th magnitude spiral galaxies.

MISSING OUT ON TCAA ACTIVITIES & EVENTS?

If you are missing out on club activities or celestial events, be certain to join the TCAA listserv. Many activities are planned at the last minute, and announced only hours in advance through the club's listserv. Reminders about celestial events are also broadcast to the membership through the club's listserv. To join this free service by Yahoo, send a blank email to TCAA-subscribe@yahoogroups.com. Unsubscribing is just as easy. To unsubscribe, just send a blank email to TCAA-unsubscribe@yahoogroups.com.

To keep up to date on celestial events not described in *The OBSERVER* or addressed in the listserv, visit Carl Wenning's observing page at www.phy.ilstu.edu/~wenning/observing_page.htm. It has been recently updated to include an extended sky calendar of events as well as additional space weather and satellite viewing links.

The OBSERVER
Newsletter of the TCAA, Inc.

Erin Estabrook, Editor
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Normal, IL 61761

Are your dues due? ☐

The Dues Blues?

If you see a check in the box above, it means your dues are due. To retain membership, please send your dues renewal to our esteemed Treasurer:

Duane Yockey
508 Normal Avenue
Normal, IL 61761