

Ring in the New Year 2016



Inside this Issue.....

- 2 – Local Events and information
- 3 – News around the Globe
- 4 – Calendar/ Events
- 5 – 2016 Club Photos – Cont.
- 6 – EAS Business – Minutes

M42-Orion Nebulae

Photo Courtesy David M Kube

**Photos Taken @ EAS Observatory
w/ Club 6" Refractor and ME-II Mount**

**Taken with Canon EOS D60 DSLR
32 of 40 30 second exposures @ 3200 iso
10 Dark Frames
Stacked and aligned with Deep Sky Staker
Post Process in Photoshop Elements.**

More photos on Page 5

The EAS newsletter, Observer, is published monthly. Anyone wishing to contribute articles or photos may mail them to the club's PO Box: EAS, PO Box 3474, Evansville, IN 47733, or e-mail them to the editor at:

dasiceman@yahoo.com

The **Evansville Astronomical Society (EAS)** is a non-profit organization fully incorporated in the state of Indiana. It has, as its primary goal, the advancement of amateur astronomy. Founded in 1952, the society seeks to:

- 1... maintain adequate facilities for its members and the public in order to extensively study the skies and
- 2... promote an educational program for those who wish to learn more about the science of Astronomy.

Meetings are held the third Friday of each month, except June, when the annual EAS picnic is held. The society also sponsors monthly Open House events during the warmer seasons that afford the public an opportunity to tour the observatory.

EAS 2015 Officers and Contacts

President – Scott Conner
812-.604.7164
ssconner24@gmail.com

Vice President – Tony Bryan

Secretary – David M Kube
740.223.6854

Treasurer – Ted Ubelhor

Counselors
Michael Borman
Kent Brenton
Ken Harris

Webmaster – Michael Borman

Program Director
Tony Bryan

News editor – David Kube
dasiceman@yahoo.com

For more information about the EAS or directions to the Observatory, please visit the club's web page:

www.evansvilleastro.org



Local Events and Information

EAS Schedule Update:

Please Note that we have a Regular Meeting scheduled for Friday January 15th, 2015 at the Evansville Museum beginning at 7:30pm.

EAS Update:

Please Note that we have a Regular Meeting scheduled for Friday February 19th, 2015 at the Evansville Museum beginning at 7:30pm.

EAS Update:

EAS Update:

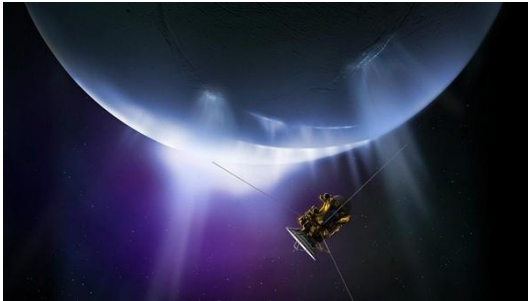
EAS Update:

EAS Update:

Telescopes and accessories for sale...

As mentioned in last month's issue, Mike Borman still has some excellent telescope equipment and imaging accessories for sale. Some of the gear has already been sold. If interested, go to Mike's web page. Here is the link: <http://www.mborman.org/forsale.htm>

Cassini Closes in on Enceladus – One Last Time.

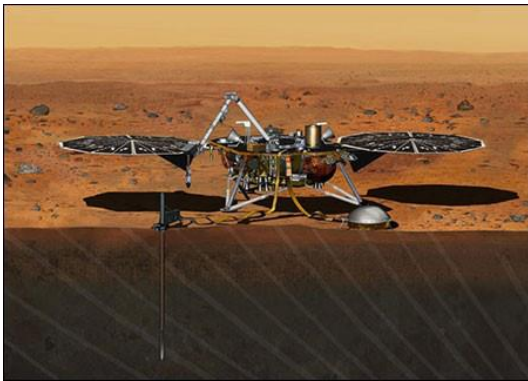


NASA/JPL-CalTech

NASA's Saturn-orbiting Cassini spacecraft makes its final close flyby of the ocean-bearing moon Enceladus on December 19th.

A thrilling chapter in the exploration of the solar system will soon conclude, as NASA's Saturn-orbiting Cassini spacecraft makes its final close flyby of the ocean-bearing moon Enceladus. Cassini is scheduled to fly past Enceladus at a distance of 3,106 miles (4,999 kilometers) on Saturday, Dec. 19, at 9:49 a.m. PST (12:49 p.m. EST).

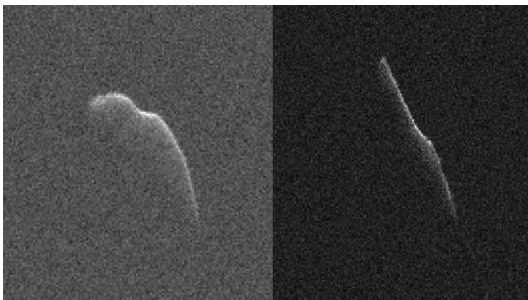
NASA suspends InSight mission to Mars.



NASA/JPL-CALTECH

After thorough examination, NASA managers have decided to suspend the planned March 2016 launch of the Interior Exploration using Seismic Investigations Geodesy and Heat Transport (InSight) mission. The decision follows unsuccessful attempts to repair a leak in a section of the prime instrument in the science payload.

Christmas Eve Asteroid.



NASA/JPL-Caltech/GSSR

Asteroid 2003 SD220 will safely fly past Earth on Dec. 24 at a distance of 6.8 million miles (11 million kilometers). Scientists at NASA's Jet Propulsion Laboratory in Pasadena, California, have generated the highest-resolution images to date of this asteroid using the Deep Space Network's 230-foot (70-meter) antenna at Goldstone, California. The radar images were acquired between Dec. 17 and Dec. 22, when the distance to this near-Earth object (NEO) was narrowing from 7.3 million miles (12 million kilometers) to almost the flyby distance.

February 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19 Reg.Mtg 7:30pm	20
21	22	23	24	25	26	27
28	29					

Generated by FreeHTMLCalendar.com Copyright © 2011 John Dalbey.

Up and Coming Events 2015/ 2016

Regular Meeting – Friday, January 15th, @ 7:30pm @ Museum

Regular Meeting – Friday, February 19th, @ 7:30pm @ Museum

Moon Phases

First Quarter	Full Moon	Third Quarter	New Moon
February 15 th , 2016	February 22 nd , 2016	January 31 st , 2015 March 1 st , 2016	February 8 th , 2016
Moon Phases courtesy of Time and Date.com			

**Ring in the New Year 2016
Photos Cont.**



Horsehead Nebulae



Andromeda Galaxy

**All photos courtesy of Dave Kube
Taken with Canon EOS 60D 3 minute Exposures @ iso3200
Taken through the 6" Explore Scientific Refractor on top of the Club Paramount ME-II Mount
At the EAS Observatory**

EAS MEETING for December 18th, 2015

The meeting was **CALLED TO ORDER** by President Scott Conner @ 7:37 PM with 16 members With 2 new members in attendance.

It was moved & seconded to approve the NOVEMBER MINUTES as seen on the EAS Internet page.

Tony Bryan announced the **UPCOMING EVENTS:**

Regular Meeting Friday, January 15 Evansville Museum 7:30 PM
Regular Meeting Friday, February 19 Evansville Museum 7:30 PM

Ted Ubelhor announced that we have money in our funds and that we have 41 current active members.

SPECIAL PROJECTS

Scott Conner said that the 28" TELESCOPE has been completely assembled & just needs a few minor tweaks.

OLD BUSINESS

Tony Bryan gave Charleen Kaelin an ovation for her 18 years of service as secretary for the club – a well-earned ovation from all our attending members. Dave Kube has taken on the role of secretary.

NEW BUSINESS

Scott Conner reported that both January and February meeting to be held at the downtown museum with a 7:30 start time on their respective 3rd Friday of the month.

Ken Harris proposed that we consider selling solar eclipse glasses for the upcoming solar eclipse coming in 2017. Mitch Luman reported we might want to consider joining with the museum as they will also be purchasing a bulk batch.

Mitch also reported on plans for the Museum to coordinate a trip to Marion KY for the Solar Eclipse of 2017.

Dave Kube Reported that Scott Conner and he did a rough T-Point alignment and optical alignment of the club's Paramount ME-II. This has made a good improvement to the pointing issues in various parts of the sky.

There was partaking of a good selection of food for the club's Christmas Pot Luck

The program consisted of Dave Stephens Astronomy Quiz

The meeting adjourned at 7:54 PM.