

EAS Meeting April 17th, 2020 - Cancelled COVID-19



Hubble Celebrates 30 Years – NASA/ESA/M. Livio and the Hubble 20th Anniversary Team (STScI)
One of the Milky Way's premier star factories is the Carina Nebula (NGC 3372), which came to life about 3 million years ago when stars first ignited in a cloud of molecular hydrogen. The world's favorite orbiting observatory has transformed our knowledge about exoplanet Atmospheres, the fate of the universe, and almost everything in between.

Inside this Issue..

- 2 – Important Message, COVID-19
- 3 – Local Events and information
- 4 – News around the Globe
- 5 – Calendar
- 6 – EAS Business

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

EAS Members and Friends – Regarding COVID-19

Throughout history, humans have been faced with challenges that required thoughtful action to overcome.

The Officers and Board Members of the EAS have determined it is in the best interest of the organization, its members, and the general public to cancel all events listed on our calendar until further notice. The Officers will regularly assess the situation and determine when a return to normalcy is prudent.

We look forward to a time where we can once again gather to socialize and share our love of astronomy with each other and the public.

Meanwhile, we should all continue to experience our beloved interest with personal observations, catching up on reading of books and those back-issues of astronomy publications, posting to and reading social media, and armchair astronomy (viewing astronomy news and videos from the Internet).

Be sure to watch our Facebook page, website, and future emails for updates.
Clear skies, Officers and Board Members of the EAS

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 2020 Officers and Contacts

President – Tony Bryan
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Vice President – Scott Conner

Secretary – David M Kube
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Treasurer – Amy Barrett

Counselors
Michael Borman (2018)
Ken Harris (2019)
Mitch Luman (2020)

Webmaster – Michael Borman

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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 Update – Cancelled COVID-19

Please Note we have a Regular Meeting scheduled at the Observatory on Friday, April 17th, 2020 @ 7:30pm .

EAS Update – Cancelled COVID-19

Please Note we have a PSW scheduled at the Observatory on Saturday, April 25th, 2020 @ 7:30pm.

EAS Update – Cancelled COVID-19

Please Note we have Science/ Astronomy Day scheduled at the **Evansville Museum** on Saturday, May 2nd, 2020 from 8:00-9:30am.

EAS Update

Please Note we have a Regular Meeting scheduled at the Observatory on Friday, May 15th, 2020 @ 7:30pm.

EAS Update

Please Note we have a PSW scheduled at the Observatory on Saturday, May 16th, 2020 @ 7:30pm.

EAS Update

Please Note our EAS Picnic and Observing is scheduled for Saturday, June 20th, 2020 @ 6:00pm. Location TBD

EAS Update:

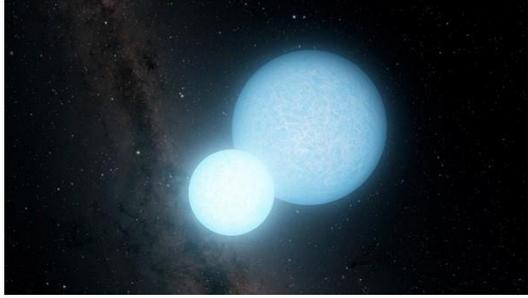
Please visit our website www.evansvilleastro.org and our Facebook page to keep yourself up to date for any changes.

FOR SALE:

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>

Rare Pulsating White Dwarf Spotted in a Binary Star System.



While studying a system with two white dwarfs, astronomers made an astounding find: one of the objects is pulsating.. The star could offer answers to what will happen to our Sun in the future.

Credit: Caltech/IPAC

Astronomers studying a binary white dwarf system have found a new pulsating white dwarf. “We had no idea that the white dwarf was pulsating when we started the work,” said the paper’s first author, Steven Parsons of the University of Sheffield, in an email to Astronomy. “It was a little bit of luck that allowed us to discover the pulsations.”

That luck came in the form of data from HiPERCAM, a high-speed imaging camera mounted on top of the world’s largest telescope, the Gran Telescopio Canarias. The camera is able to take one picture every millisecond in five different colors. That capability allowed an undergraduate student working with the data to spot that one of the white dwarfs in the system is pulsating rapidly. “A lot of the work for this paper was actually done by the undergraduate student,” said Parsons.

Those pulsations will now help astronomers learn more about how being in a binary star system affects the internal structure of the white dwarf, which will in turn teach us more about these strange stellar remnants.

Astronomers Find an Exoplanet Where Iron Rains from the Sky.



The extreme orbit of the gas giant exoplanet WASP-76 b gives it some truly terrifying Weather. Iron falls as rain on the gas giant planet WASP-76 b.

Credit: ESO/M. Kornmesser

Astronomers have discovered a bizarre exoplanet that rains iron at night. The daytime side of this world, dubbed WASP-76 b, isn’t any less hellish, either. Temperatures can reach up to 4,300 degrees Fahrenheit (2,400 degrees Celsius) — hot enough to vaporize metal.

“One could say that this planet gets rainy in the evening, except it rains iron,” University of Geneva astronomer David Ehrenreich, who led the new study, said in a press release.

WASP-76 b is slightly smaller than Jupiter and sits some 640 light-years from Earth in the constellation Pisces. Its Horrifying weather is caused by its truly extreme orbit. Gas giant worlds like WASP-76 b are called hot Jupiters because they orbit uncomfortably close to their home stars — in this case, nearly 10 times closer than Mercury is to our Sun.

EAS OBSERVER NEWSLETTER

May 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2 Science Day Museum 8am
3	4	5	6	7	8	9
10	11	12	13	14	15 Reg.Mtg. 7:30p	16 PSW 7:30pm
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

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Up and Coming Events 2020

Regular Meeting – Friday, April 17th @ Observatory @ 7:30 pm – Canceled

PSW – Saturday, April 25th @ Observatory @ 7:30 pm – Canceled

Astronomy Day – Saturday, May 2nd, @ Museum @ 8:00 - 9:30 am - Canceled

Regular Meeting – May, April 15th @ Observatory @ 7:30 pm

PSW – Saturday, May 16th @ Observatory @ 7:30 pm

EAS Picnic – Saturday, June 20th, @ Location TBD

Moon Phases

New Moon	First Quarter	Full Moon	Third Quarter
May 22 nd , 2020	May 29 th , 2020	May 7 th , 2020	May 14 th , 2020

Moon Phases courtesy of Time and Date.com

EAS Meeting Minutes for March – 2020

The March 20th, 2020 meeting was canceled due to the COVID -19 virus situations and therefore there are no minutes to report .

Respectfully Submitted – Dave Kube – Secretary