

August 2016

Upcoming Show

Nightmares in the Sky

Fridays, September 9-October 14, 2016

7-7:55pm for family show, 8:15-9:10 for 16+ show | \$4

The fall sky gives us a chance to tell the dark and wondrous stories about the infamous creatures of Greek mythology and the heroes that defeated them. Hosted by Director Jean Creighton, enjoy a night filled with the stories of Medusa, Perseus and more along with their places in the sky. This show will run every Friday night from September 9 through October 14, 2016. Times will be 7-7:55pm for a family friendly show and a much scarier show from 8:15-9:10 for ages 16+ exclusively.

Jean's Corner

A Note From The Director



Dear UWM Planetarium friends,

I hope you were able to join us for "Journey to Jupiter". How can you beat space exploration and stargazing with a dollop of ice-cream on a summer day!? Thank you all for coming.

It has been ten years almost to the day when Pluto's status was officially changed and it ceased to be a planet. For some people, this was a great surprise—dare I say it, a rude awakening. For those of us paying attention, we knew it was a matter of time. The evidence was mounting: we were discovering many hundreds of objects like Pluto in the solar system, even ones comparable to Pluto; this class of objects are Kuiper Belt objects. People argued that Pluto has moons but we found asteroids with moons. Having moons isn't sufficient to be a planet. Isn't it great to learn more and more about our solar system?

Now we can focus on the great data we are still getting from New Horizons, which flew-by Pluto in July 2015.

We are so looking forward to our summer tradition of sharing s'mores and stars together.

Hope to see you soon under the stars,

Jean

jcreight@uwm.edu

Tie-Die & Stars and S'mores

Wednesday August 31, 2016

Tie Dye 5:00-7:00 pm | Stars & S'mores 7:00-8:30

What better way to enjoy the swirling, bold colors of the cosmos than by putting them on a T-shirt? From 5:00-7:00 p.m. in the Physics courtyard,



everybody is welcome at our Shirts to Dye For event to tie-dye their very own 50th anniversary T-shirt. After Shirts to Dye For, celebrate a summer staple with Stars & S'mores. From 7:00-8:30 p.m., enjoy making s'mores around the fire with friends and family while looking through our telescopes and enjoying a free stargazing show.

Late Fall Show

Northern Lights

Fridays, November 4-December 16, 2016

7-7:55pm | \$4

Enjoy the radiance of the night sky in Northern Lights, the UWM Planetarium's newest show. See colorful displays of dancing lights as Director Jean Creighton gives an in depth scientific look on how the aurora borealis happens. The journey will unfold Fridays, November 4 through December 16, 2016.

Where is our Rocket now?

Thanks to all of your help, we have successfully reached our goal of Jupiter (\$10,000) in July! We still have quite a ways to reach Andromeda (\$18,000). Any amount is greatly appreciated and helps to better all the shows and events we create for the astronomy lover in you. Please donate online <http://uwm.edu/planetarium/give/> or mail a check made to **UWM Foundation (#2712 Manfred Olson Planetarium)** to UWM Physics/Planetarium, P.O. Box 413, Milwaukee, WI 53201-0413. Thank you!



AstroBreak

Select Wednesdays | FREE
12:15-12:45 p.m.

August 10

Can You Park in Space?

Speaker: Casey McGrath, Graduate Student

> Have you ever stopped to wonder if you could place a satellite somewhere in the solar system and have it simply stay there, without drifting away over time? Well it turns out that in certain 3-body systems (like a star, planet, and satellite) there exist special locations where the satellite can "park" and remain in its location. This has enormous advantages for space missions and satellites, and has led to the understanding of the "Trojan" asteroids in our solar system and the interplanetary superhighway.

We will have our Fall schedule for Astrobreaks available soon.

Chocolate Factory

We wanted to extend a HUGE thank you to the Chocolate Factory of Shorewood on Oakland for sponsoring our recent ice cream social! Without their help we could not have provided all the delicious ice cream before our Journey to Jupiter shows. Their friendly and helpful staff truly made the entire event a major success.

STARGAZING

Join us on the observing deck as we peer through telescopes at the stars, planets, and moons. Visit our website for directions to the observing deck.

9-10pm • August 24

FREE