

DVT/Space Museum - Public Show Schedule

September 12, 2018 – May 29, 2019

All shows approximately 45-50 minutes

Regular show ticket price: \$5 Adults, \$3 Senior Citizens/Students/Children;

Laser Music Shows: All Tickets \$5 (Fridays in February & March)

All events are posted on Facebook under PHM DVT & Planetarium

Tickets may be purchased at www.phmschools.org under "Community"

TRIP THROUGH SPACE &

September 12

Wednesday 6:30 pm

FALL NIGHT SKY

This full-dome show is a potpourri of Astronomy topics such as: Moon Phases, Eclipses, Tides and Lunar surface features; Solar System where the Sun and all planets are depicted; 8 winter Constellations and their bright stars; Earth Motions and Seasons; Star types; galaxies, formation of stars and the size of the Universe in general. Also, come join us for a brief overview of the current night sky, which includes constellations, stars, the Milky Way, and the planets. Come see what you can look forward to in the sky this fall!

EGYPT: SECRETS OF THE MUMMIES

September 19

Wednesday 6:30 pm

Journey to the royal tombs of Egypt and explore the history of ancient Egyptian society as told through the mummies of the past. The film follows explorers and scientists as they piece together the archaeological and genetic clues of Egyptian mummies, and provides audiences with a window into the fascinating and mysterious world of the pharaohs. To unwrap the secrets of the mummies is to perhaps glimpse our own future.

ASTROLOGY: STAR SIGNS &

TWO SMALL PIECES OF GLASS

September 25

Tuesday 6:30 pm

Astrology: Star Signs includes Zodiac constellation patterns, with mythological tales. *Astrology and the fallacy of astrology* are demonstrated and explained. Also, included are excellent demonstrations of Earth Motions Like: Rotation, Revolution, and Precession, as well as the Reasons for the Seasons. The second show tells how Galileo's telescopic observations began a revolution, transforming our view of the cosmos and our place within. Discover the wonders that even a small amateur telescope can reveal and learn about the scientists that made such views possible.

ESCHER'S UNIVERSE

October 3

Wednesday 6:30 pm

Escher's Universe is based on the life and work of the multifaceted Maurits Cornelis Escher. Was he an artist, an astronomer, a mathematician, a traveler? This show will take us to the artist's studio where his most iconic works are displayed. From this intimate and emotional place, we'll visit Escher's particular universe and we will be surprised by his ability to join Science and Art. He uses mathematics, astronomy, optics, crystallography and geometry in his creations to artistically explain very complex concepts addressed by Cosmology.

ONE WORLD, ONE SKY: BIG BIRD**October 17****Wednesday 6:30 pm**

The show follows Sesame Street's Big Bird and Elmo as they explore the night sky with their friend from China, Hu Hu Zhu. Together, they take an imaginary trip from Sesame Street to the Moon, where they discover how different it is from Earth. Children attending the show can interact as they watch, drawing constellations and counting the time it takes the sun to set. Students will also learn about the Big Dipper, the North Star, the Sun and the Moon.

LASER FRIGHT LITE 1 (\$5)**October 20****Saturday 6:30 pm****October 24****Wednesday 6:30 pm**

Get into the spooky spirit with this special Halloween Laser Show! This must-see evening laser show combines haunting tunes and an amazing laser light show that dances across the DVT's 30-foot dome. The water-vapor-based haze machine makes the laser lights stretch across the room!

Soundtrack: Thriller, Godzilla, Monster Medley (*featuring Monster Mash, Purple People Eater, Boris the Spider*), Enter Sandman, Men In Black, Attack of the Radioactive Hamsters, Firestarter, Dead Man's Party, Iron Man, Another Brick in the Wall, Push It, Frankenstein, Devil Went Down to Georgia, Feed My Frankenstein.

LASER FRIGHT LITE 2 (\$5)**October 20****Saturday 8:00 pm**

Get into the spooky spirit with another special Halloween Laser Show! This must-see evening laser show combines haunting tunes and an amazing laser light show that dances across the DVT's 30-foot dome. The water-vapor-based haze machine makes the laser lights stretch across the room!

Soundtrack: Thriller, Godzilla, Monster Medley (*Monster Mash, Purple People Eater, Boris the Spider*), Close Encounters of the Third Kind, Men In Black, Attack of the Radioactive Hamsters, Re:Your Brains, Dead Man's Party, Iron Man, Horror Movie Medley (*Theme from Nesferatu, Psycho, Jaws, Halloween, Insidious*), Frankenstein, Devil Went Down to Georgia, Feed My Frankenstein.

DIABETES: OUR CELLS, OURSELVES & MICROCOSM**November 1****Thursday 6:30 pm**

Our Cells explores the immune system, giving children and their families an understanding of how the body protects itself. We start with a bedtime story told to 7-year old Sylvie, who was recently diagnosed with diabetes. In a dream-like sequence, we learn how the immune system evolved, then take a look at the future of regenerative medicine therapies that rely on harnessing the body's own restorative potential through the use of stem cells. *Microcosm* takes place at the Center of Miniaturized Medicine in the year 2053, you'll shrink down to the size of a microbe and get injected into a patient who is suffering from a mysterious viral infection. As you piece together the viral clues found along the way, you'll race against time to save the patient on a roller-coaster ride through the heart, lungs, brain, eye, ear, and circulatory system in general.. Laser battles, genetic weapons, and lots of surprises along the way make this show an exciting experience.

D-DAY: NORMANDY 1944**November 7****Wednesday 6:30 pm**

June 6, 1944: The largest Allied operation of World War II began in Normandy, France. Yet, few know in detail exactly why and how, from the end of 1943 through August 1944, this region became the most important location in the world. Audiences of all ages, including new generations, will discover from a new perspective how this landing changed the world. Exploring history, military strategy, science, technology and human values, the film will educate and appeal to all. Narrated by Tom Brokaw.

ASTEROID: MISSION EXTREME**January 9****Wednesday 6:30 pm**

Audiences are taken on an epic journey to discover how asteroids are both a danger and an opportunity. The danger lies in the possibility of a cataclysmic collision with Earth; the opportunity is the fascinating idea that asteroids could be stepping stones to other worlds – veritable way stations in space – enabling us to cross the Solar System. The challenges are enormous, but a mission so extreme could ultimately lead us to protect our planet and inhabit others. Explore what it would take for astronauts to reach an asteroid and how such an adventure could benefit humankind.

THE WINTER NIGHT SKY**January 17****Thursday 6:30 pm**

Would you like to know an easy way to find and identify those winter constellations? Come join us for a live presentation and overview of the current winter night sky, which includes constellations, stars, colors of stars, Milky Way, planets and more!

ICE WORLDS**January 23****Wednesday 6:30 pm**

The delicate balance between ice, water and the existence of life has been a topic of scientific inquiry for generations. In travels to the Arctic and Antarctic regions of our planet, we'll examine the ecosystems that exist and thrive there and learn how their survival is connected with our own. Beyond Earth, we'll see how the existence of ice shapes the landscape and the natural systems on other planets and moons in our Solar System. Winner of five Telly Awards, narrated by Academy Award nominated actress, Emily Watson and produced in cooperation with support of the National Science Foundation.

SECRETS OF THE SUN &**SECRET LIVES OF THE STARS****January 30****Wednesday 6:30 pm**

Secrets of the Sun is an intimate look at the role the Sun plays in the life of our solar system. From the nuclear forces churning at the heart of the Sun to the mass ejections of solar material into surrounding space, we experience the power of the Sun and its impact on the planets and ultimately life on Earth. We trace the Sun's life cycle, going back to its beginnings and moving forward in time to its eventual death. *Secret Lives of the Stars* shows us not all stars are created equal. Some are massive. Others are tiny; almost insignificant. The specific characteristics of a star will determine what type of life it will lead, how long it might live and even the type of death it will die. We will witness the amazing variety of stars and peer into their secret lives. Narrated by Sir Patrick Stewart of TV's Star Trek: The Next Generation and the X-Men films.

LASER BEATLES & LASER POP (\$5)**February 1****Friday****6:30 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine. All tickets are \$5 (and are valid for both Beatles and Pop), and the shows will last for a combined total of approximately 60 minutes. Laser Beatles' playlist is as follows:

Magical Mystery Tour, I Wanna Hold Your Hand, Twist & Shout, A Hard Day's Night, Nowhere Man, Help!, Yesterday, Octopus' Garden, Sgt. Pepper's Lonely Hearts Club Band / A Day in the Life.

Laser Pop's playlist is as follows: 'NSync - Pop, Pink - Get This Party Started, The Beatles Medley, Smash Mouth - I'm A Believer, Sting - Desert Rose, The Beach Boys Medley, The B52's - Cosmic Thing, 'NSync - Digital Get Down, 3 Doors Down - Kryptonite

LASER VINYL (\$5)**February 1****Friday****8:00 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Vinyl's playlist is as follows:

AC/DC - Back in Black, Emerson, Lake & Palmer - Karn Evil 9, Van Halen - Jump, Queen - Bohemian Rhapsody, Kansas - Carry On My Wayward Son, Kiss - Rock-n-Roll All Night, Aerosmith - Dream On, Boston - Rock-n-Roll Band, Journey - Separate Ways, Pink Floyd - One Of These Days

EDGE OF DARKNESS**February 5****Tuesday****6:30 pm**

Edge of Darkness features amazing scenes of places never before seen gathered by key space missions that culminated with ground-breaking discoveries in 2015. It features a spectacular flight through the great cliffs on comet 67P, a close look at the fascinating bright "lights" on Ceres, and the first ever close ups of dwarf binary planet Pluto/Charon and its moons. Narrated by Hayley Atwell, Agent Carter, from the Marvel Cinematic Universe and the ABC television series.

LASE ROCK (\$5)**February 8****Friday****6:30 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

LaseRock's playlist is as follows:

Ozzy Osbourne - Crazy Train, Foreigner - Juke Box Hero, Led Zeppelin - Ramble On, David Bowie - Suffragette City, YES - Long Distance Around, ZZ Top - LaGrange, Emerson Lake & Palmer - From The Beginning, Genesis - Tonight, Rush - YYZ, Motörhead - Ace of Spades

LASER RUSH 2112 (\$5; NEW SHOW)**February 8****Friday****8:00 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Rush 2112's playlist is as follows:

"2112": Overture, The Temples of Syrinx, Discovery, Presentation, Oracle: The Dream, Soliloquy, Grand Finale; A Passage to Bangkok; The Twilight Zone; Lessons; Tears; Something for Nothing

EXPERIENCE THE AURORA**February 13****Wednesday****6:30 pm**

Over seven months in the Arctic Circle, crews captured timelapse images of the Aurora Borealis with high resolution digital SLR cameras outfitted with fisheye lenses. The results are spectacular. For the first time the aurora has been captured as it was meant to be experienced, as a display that covers the entire sky. This immersive show shares the science behind the aurora and tells the story of our quest to find and photograph the aurora for wraparound display in full-dome theaters. Winner of 2 Telly Awards.

EARTHQUAKE: A RESTLESS EARTH**February 21****Thursday****6:30 pm**

This show combines: Geology, Plate Tectonics and Earth History into a sweeping geological journey exploring the forces that transform the surface of our planet. Fly along the San Andreas Fault before diving into the planet's interior. Journey back in time to witness the 1906 San Francisco earthquake, and the break-up of Pangaea 200 million years ago, as well as the sites of historical earthquakes from the Mediterranean Sea to the Pacific Ocean. Data-driven visualizations illustrate Earth's story, revealing how subtle motions and sudden ruptures have shaped our planet over eons, and how geological activity influences the course of human history. Learn how scientists and engineers collaborate to help society prepare for a safer environment — and a safer future.

LASER TRIBUTE (\$5)**February 22****Friday****6:30 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Tribute's playlist is as follows:

Michael Jackson - Beat It, Jimi Hendrix - Purple Haze, Ronnie James Dio - Neon Knights, Elvis Presley - Jailhouse Rock, Johnny Cash - Ring of Fire, Freddy Mercury - Bohemian Rhapsody, John Lennon - Imagine, David Bowie - Space Oddity, Whitney Houston - I Wanna Dance, Jim Morrison - Break On Through, Prince - Let's Go Crazy

LASER BEATLES & LASER POP (\$5)**February 22****Friday****8:00 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine. All tickets are \$5 (and are valid for both Beatles and Pop), and the shows will last for a combined total of approximately 60 minutes.

Laser Beatles' playlist is as follows:

Magical Mystery Tour, I Wanna Hold Your Hand, Twist & Shout, A Hard Day's Night, Nowhere Man, Help!, Yesterday, Octopus' Garden, Sgt. Pepper's Lonely Hearts Club Band / A Day in the Life.

Laser Pop's playlist is as follows: 'NSync - Pop, Pink - Get This Party Started, The Beatles Medley, Smash Mouth - I'm A Believer, Sting - Desert Rose, The Beach Boys Medley, The B52's - Cosmic Thing, 'NSync - Digital Get Down, 3 Doors Down - Kryptonite

SUNSTRUCK &**COSMIC ADVENTURE****February 26****Tuesday****6:30 pm**

In *Sunstruck*, discover the wonders of our sun. Its incredible energy has supported life on earth for millennia, but is now threatening our technology and way of life. Travel to the distant future to discover our sun's connection to the universe's cosmic cycle of life and death.

In *Cosmic Adventure*, go on an all-ages roller coaster ride from the moon through the universe, our galaxy and our solar system. This high speed adventure will immerse you in some of the most amazing sites in the universe. It will be a ride you will want to take again and again.

LASER ZEPPELIN (\$5)**March 1****Friday****6:30 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Led Zeppelin's playlist is as follows:

Song Remains the Same, Over the Hills and Far Away, Good Times, Bad Times, Immigrant Song, No Quarter, Black Dog, Livin', Lovin' Maid, Kashmir, Stairway to Heaven, Whole Lotta Love, Rock -n- Roll

LASER HYPNOTICA (\$5)**March 1****Friday****8:00 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Hypnotica's playlist is as follows:

The Crystal Method - Trip Like I Do, Fat Boy Slim - Love Island, Faithless - Insomnia, Prodigy - Narayan, Björk - Joga, Delerium - Silence, The Chemical Brothers - Music: Response, Fat Boy Slim - Acid 8000, The Crystal Method - Comin' Back, The Chemical Brothers - Setting Sun

**CELL! CELL! CELL! &
MOLECULARIUM****March 5****Tuesday****6:30 pm**

This is the story of the trillions of cells that form our bodies, from our beginnings as a single cell to the complexity of a whole body: it's the story of who we are. Audience members will join characters Raj and Sooki to dive into the busy world of cells, watching 'alien trees' and wriggling 'slugs' fly past on a giant 360° full-dome screen. The Molecularium™ is a cartoon animated show for younger audiences that makes learning molecular science fun. The creators have integrated advanced scientific simulations into a groundbreaking immersive cartoon with kid-friendly characters to introduce young people to the world of atoms and molecules. The Molecularium project is part of the educational and outreach program of RPI's National Science Foundation funded Nanoscale Science and Engineering Center for Directed Assembly of Nanostructures.

LASER MANIA (\$5)**March 8****Friday****6:30 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Mania's playlist is as follows:

The Immortals - Mortal Kombat Theme, Eiffel 65 - Blue, Santana - Smooth, Will Smith - Men In Black, Shania Twain - Man I Feel Like A Woman, Celine Dion - That's the Way It Is, Time Warp Medley, Elvis Presley - Blue Suede Shoes, The Coasters - Yakity Yak, The Rolling Stones - Satisfaction, Diana Ross & the Supremes - Stop In the Name of Love, Led Zeppelin - Whole Lotta Love, Bee Gees - Stayin' Alive, Romantics - What I Like About You, Prince - Lets Go Crazy, Sting - Desert Rose, Weird Al Yankovic - Attack of the Radioactive Hamsters From a Planet Near Mars, Beck - Mixed Bizness, The Church - Under the Milky Way, Ricky Martin - Livin' La Vida Loca, Blink 182 - All the Small Things

LASER METALLICA (\$5)**March 8****Friday****8:00 pm**

Come and join us for a professional-quality laser music show, featuring intricate images synchronized to the music and utilizing a (water-vapor) haze machine.

Laser Metallica's playlist is as follows:

For Whom the Bell Tolls, Ain't My B***h, Fuel, One, Nothing Else Matters, Master of Puppets, Unforgiven II, Sad But True, Enter Sandman

**SEVEN WONDERS OF THE UNIVERSE &
SPRING NIGHT SKY****March 14****Thursday****6:30 pm**

Turn back the pages of time and witness the ancient wonders of the world as they appeared thousands of years ago. Explore the great pyramid, stand in the shadow of the towering Colossus and experience the rest of the world's Seven Wonders. We will investigate the theories of how these wonders were created, and get a glimpse of some of the universe's greatest wonders. Also, come join us for a live presentation and brief overview of the current night sky, which includes constellations, stars, the Milky Way, and the planets. Come see what you can look forward to in the sky this spring!

LASER GENESIS (\$5)**March 15****Friday****6:30 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Genesis' playlist is as follows:

Turn It On Again, Invisible Touch, Sledgehammer, Tonight Tonight Tonight, Land of Confusion, Mama, Sussudio, Follow You Follow Me, In The Air Tonight, Abacab

LASER U2 (\$5)**March 15****Friday****8:00 pm**

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Genesis' playlist is as follows:

Where the Streets Have No Name, I Will Follow, Beautiful Day, Sunday Bloody Sunday, October, The Fly, Mysterious Ways, Pride, Zoo Station, With or Without You, Desire, New Year's Day

FORCES OF NATURE**March 20****Wednesday 6:30 pm**

Come close to nature's most powerful and extreme forces. Cameras capture massive volcanoes, earthquakes, and storms as a team of scientists travel the world in an attempt to figure out what causes these dangerous, yet undeniably thrilling natural occurrences. Putting their lives on the line in the name of scientific discovery, the experts forge their way through erupting pits, through volcanic flows, along fault lines, and in cars heading straight for tornados' eyes. Narrated by Kevin Bacon.

LASER PINK FLOYD “DARK SIDE...” (\$5)

March 22

Friday

6:30 pm

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Pink Floyd “Dark Side of the Moon”s playlist is as follows:

Speak to Me, Breathe, On the Run, Time, The Great Gig in the Sky, Money, Us and Them, Any Colour You Like, Brain Damage, Eclipse

LASER PINK FLOYD “THE WALL” (\$5)

March 22

Friday

8:00 pm

Come and join us for a professional-quality laser music show, featuring intricate patterns and characters and a (water-vapor) haze machine.

Laser Pink Floyd “Dark Side of the Moon”s playlist is as follows:

In the Flesh, The Thin Ice, Another Brick in the Wall (Part I), The Happiest Days of our Lives, Another Brick in the Wall (part II), Mother, Goodbye Blue Sky, Empty Spaces, Young Lust, Another Brick in the Wall (Part III), Hey You, Comfortably Numb, Stop, The Trial, Run Like Hell

**ORIGINS OF LIFE &
OASIS IN SPACE**

March 27

Wednesday 6:30 pm

Origins of Life deals with some of the most profound questions of life science: the origins of life and the human search for life beyond Earth. Starting with the Big Bang, in chronological order, the show deals with the prebiotic chemistry in the Universe, the formation of stars, formation of solar systems, and the first life on Earth. Furthermore Origins of Life covers the great extinctions as well as our search for (primitive) life beyond planet Earth. Origins of Life is an inspirational journey through time and a celebration of life on Earth. In Oasis, we embark on a startling and beautiful voyage through our Universe, Galaxy and Solar System in search of water, which is the key ingredient for life on Earth. Oasis in Space offers a new perspective on a substance of obvious importance to our planet.

DAWN OF THE SPACE AGE

April 11

Thursday

6:30 pm

Relive the excitement of the early days of space exploration, from the launch of the first artificial satellite Sputnik, to the magnificent lunar landings and privately operated space flights. Be immersed and overwhelmed with this most accurate historic reconstruction of man’s first steps into space on April 12th, 1961. Who were the men and women who took part in these death-defying days? Witness their drive, their passion, and their perseverance to explore in Dawn of the Space Age.

DYNAMIC EARTH

April 16

Tuesday

6:30 pm

The award-winning Dynamic Earth explores the inner workings of Earth’s great life support system: the global climate. With visualizations based on satellite monitoring data and advanced supercomputer simulations, this cutting-edge production follows a trail of energy that flows from the Sun into the interlocking systems that shape our climate: the atmosphere, oceans, and the biosphere. Audiences will ride along on swirling ocean and wind currents, dive into the heart of a monster hurricane, come face-to-face with sharks and gigantic whales, and fly into roiling volcanoes.

**WONDERS OF THE UNIVERSE &
POWERS OF 10**

April 24

Wednesday 6:30 pm

Wonders of the Universe allows you to peer deep into space through the eyes of the orbiting Hubble Space Telescope and travel back billions of years in time to witness the birth of the universe. On this breathtaking excursion you'll witness the formation of galaxies and explore some of the most wondrous nebulae and astronomical structures yet discovered. As your travels continue, you'll fly deep into our own Milky Way galaxy and return home to Earth on a spectacular tour through the solar system. Powers of 10 will give you a sense of the size of our Solar System, Galaxy and Universe.

BUGS: RAINFOREST ADVENTURE

May 2

Thursday 6:30 pm

Bugs are bizarre, beautiful, and an endless source of fascination. This show will magnify the miniscule world of insects and explore the miracle of their success. From metamorphosis to mastery, predator to prey and community to concealment, extraordinary large-format images will bring audiences face-to-face with this amazing universe of creatures.

INTO THE DEEP

May 7

Tuesday 6:30 pm

We know more about the surface of the Moon than we do about the wonders hidden beneath the waves of our planet's seas. The deepest parts of our oceans teem with life forms so bizarre they could be from the realm of science fiction. These fantastic creatures, all perfectly adapted to the extreme pressures and temperatures of their alien environment, inhabit a realm of underwater volcanoes, engulfed mountain ranges, and vast trenches cut into the crust of the planet. "Into the Deep," combines: Marine biology, Oceanography, underwater geology, astronomy, exploration, environment, and nature. Audiences will experience the dive of Trieste to the Challenger Deep, the lowest point of the Mariana Trench in the South Pacific.

SPACEPARK 360

May 15

Wednesday 6:30 pm

SpacePark 360 is a 9-ride show that takes audiences on wild immersive rides through the Solar System while recreating the experience of amusement park thrill rides—roller coasters, pendulums, inverters and more. From the tops of Jupiter's clouds to the icy depths of Neptune's moon Triton, each location serves to heighten the thrilling experience.

SUMMER NIGHT SKY

May 21

Tuesday 6:30 pm

The summer brings us warm nights perfect for relaxing under the stars! So come join us for a live presentation and overview of what you'll find in the summer night sky, including constellations, bright stars, colors of stars, the Milky Way, planet locations, meteor showers and more!