

DVT/Space Museum - Public Show Schedule

September 2021 – March 2022

TRIP THROUGH SPACE & TWO SMALL PIECES OF GLASS

September 8

Wednesday 6:30 pm

This full-dome show is a potpourri of Astronomy topics such as: moon phases, eclipses, tides, lunar surface features, the Solar System, eight winter constellations and their bright stars, the Earth's motions and seasons, star types, galaxies, formation of stars, and the size of the Universe in general.

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.

FALL NIGHT SKY & LEGENDS OF THE NIGHT SKY: PERSEUS/ANDROMEDA

September 16

Thursday 6:30 pm

Legends of the Night Sky: Perseus/Andromeda engages the audience with a wonderful story filled with humorous and exciting characters, and also engages their desire to learn about astronomy. This educational, and entertaining show is for adults as well as children. Aesop the owl and Socrates the mouse tell how Perseus saves Andromeda from Cetus the Sea Monster.

Also, join us for an **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!

ESCHER'S UNIVERSE & MICROCOSM

September 22

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.

Microcosm takes place at the Center of Miniaturized Medicine in the year 2053. You'll shrink down to the size of a microbe and be injected into a patient who is suffering from a mysterious viral infection. As you piece together the 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.

ONE WORLD, ONE SKY: BIG BIRD**September 30****Thursday****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. You will also learn about the Big Dipper, the North Star, the Sun, and the Moon.

DAWN OF THE SPACE AGE**October 6****Wednesday 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 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*.

FORCES OF NATURE**October 14****Thursday****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 into erupting pits, through volcanic flows, along fault lines, and straight towards tornados' eyes. Narrated by Kevin Bacon.

**OASIS IN SPACE &
ORIGINS OF LIFE****October 20****Wednesday 6:30 pm**

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. *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.

LASER FRIGHT LIGHT 1 (\$5)**October 27****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 (*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 LIGHT 2 (\$5)**October 30****Saturday****6:30 pm****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.)

IMAGINE THE MOON (NEW SHOW!)

November 3

Wednesday 6:30 pm

Imagine the Moon explores how the Moon has inspired human creativity, learning, and exploration ever since we have looked to the sky. Through beautiful imagery and historical footage, we explore our closest celestial neighbor! Each discovery has brought new opportunities to contemplate and imagine, until, driven by dreams, we left Earth and went there in the amazing journeys that culminated in astronauts walking on the Moon. People have imagined the Moon as a glowing disk in the sky, a destination in space, and a world that shares its origin with the Earth. The power of human imagination continues to inspire our relationship with the Moon as our partner in space and companion in our sky.

D-DAY: NORMANDY 1944

November 9

Tuesday 6:30 pm

This show is **free to all veterans**. 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.

INTO THE DEEP

November 17

Wednesday 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, and exploration. Audiences will experience the dive of Trieste to the Challenger Deep, the lowest point of the Mariana Trench in the South Pacific.

SEASON OF LIGHT

December 1

Wednesday 6:30 pm

December 16

Thursday 6:30 pm

This show traces the development of many of the world's endearing holiday customs, and how they involve lighting up the winter season—from the burning of the Yule log and sparkling Christmas tree lights to the lighting of the Menorah and luminarias. In addition, we will be detectives trying to solve the mystery of the Star Over Bethlehem. The **planetarium will be decked out as a winter wonderland**, so come enjoy the beautiful winter wonderland as well!

LASER HOLIDAYS 1

December 5

Sunday 1:30 pm

December 12

Sunday 3:00 pm

This is a professional laser light show, containing 12 holiday songs, including Dance of the Sugar Plum Fairy, Silent Night, Frosty The Snowman, and accompanying laser animations. The **planetarium will be decked out as a winter wonderland**, so come enjoy the music, laser lights, and beautiful winter wonderland as well!

LASER HOLIDAYS 2

December 5 Sunday 3:00 pm
December 8 Wednesday 6:30 pm
December 12 Sunday 1:30 pm

This is another professional laser light show, which contains 12 holiday songs, including Up on the Housetop and All I Want for Christmas is My Two Front Teeth, and accompanying laser animations. The **planetarium will be decked out as a winter wonderland**, so come enjoy the music, laser lights, and beautiful winter wonderland as well!

THE WINTER NIGHT SKY

January 13 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, the Milky Way, planets and more!

EDGE OF DARKNESS &

January 20 Thursday 6:30 pm

ICE WORLDS

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.

In *Ice Worlds*, we will explore the delicate balance between ice, water and the existence of life, which 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.

ASTROLOGY: STAR SIGNS &

January 26 Wednesday 6:30 pm

LEGENDS OF THE NIGHT SKY: ORION

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.

Legends of the Night Sky: Orion brings the mythological Orion to life in a fun-filled, animated adventure. Accompanied by narrators Aesop the owl and Socrates the mouse, we follow Orion's adventures as he grows to manhood, battles mythical beasts, foils the plot of an evil king and wins the heart of Artemis, the beautiful moon-goddess. By the end of the story, we learn how the constellation Orion was placed in the sky, forever turning overhead throughout the seasons.

SUNSTRUCK &

February 3 Thursday 6:30 pm

SECRETS OF THE SUN

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.

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.

LASER METALLICA**February 11****Friday****6:30 pm**

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

LASER ZEPPELIN**February 11****Friday****8:00 pm**

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 U2**February 12****Saturday****6:30 pm**

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

LASER VINYL**February 12****Saturday****8:00 pm**

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

EXPERIENCE THE AURORA**February 14****Monday 6:30 pm**

Come see the "sweetest" skies in the world! 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 fulldome theaters. Winner of 2 Telly Awards.

LASER IPOP**February 25****Friday****6:30 pm**

Baby, All the Way Up, Naturally, Can't Be Tamed, ABC, Telephone, The Grid (Tron), Halfway There, Freak the Freak Out, Masquerade, I Gotta Feelin', Rocketeer, Firework

LASER MANIA**February 25****Friday****8:00 pm**

Mortal Kombat Theme, Blue, Smooth, Men in Blac, Man, I Feel Like a Woman, That's the Way It Is, Time Warp Melody*, Desert Rose, Attack of the Radioactive Hamsters, Mixed Bizness, Under the Milky Way Livin' La Vida Loca, All the Small Things

LASER QUEEN (NEW SHOW)**February 26****Saturday****6:30 pm**

We Will Rock You/We Are The Champions, Bicycle Race, Don't Stop Me Now, Another One Bites The Dust, I Want To Break Free, Under Pressure, Killer Queen, Bohemian Rhapsody, Radio Gaga, Princes Of The Universe, The Show Must Go On

LASER TRIBUTE**February 26****Saturday****8:00 pm**

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

**EARTHQUAKE: A RESTLESS EARTH
& DYNAMIC EARTH****March 2****Wednesday 6:30 pm**

Earthquake 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 create a safer environment — and a safer future.

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.

LASER BEATLES & LASER POP **March 11** **Friday** **6:30 pm**
 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. '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 ROCKETMAN (NEW SHOW!) **March 11** **Friday** **8:00 pm**
 Saturday Night, Crocodile Rock, I'm Still Standing, Goodbye Yellow Brick Road, Your Song, Philadelphia Freedom, Rocket Man, Bennie and the Jets, Candle in the Wind, Honky Cat, Pinball Wizard

LASER GRATEFUL DEAD (NEW SHOW!) **March 12** **Saturday** **6:30 pm**
 Touch of Grey, Fire on the Mountain, Tricking', Friend of the Devil, Sugar Magnolia, Drums/Space, Uncle John's Band, Me and My Uncle, Scarlet Begonias, Ripple, One More Saturday Night

LASER HYPNOTICA **March 12** **Saturday** **8:00 pm**
 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

LASER RUSH 2112 **March 18** **Friday** **6:30 pm**
 "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

LASER GENESIS **March 18** **Friday** **8:00 pm**
 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 PINK FLOYD "DARK SIDE..." **March 19** **Saturday** **6:30 pm**
 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" **March 19** **Saturday** **8:00 pm**
 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

SEVEN WONDERS OF THE UNIVERSE & SPRING NIGHT SKY **March 23** **Wednesday** **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!

CELL! CELL! CELL! & MOLECULARIUM **March 30** **Wednesday** **6:30 pm**

Cell, Cell, Cell 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° fulldome screen.

Molecularium is a cartoon animated show for younger audiences that makes learning molecular science fun. The creators have integrated advanced scientific simulations into an 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.