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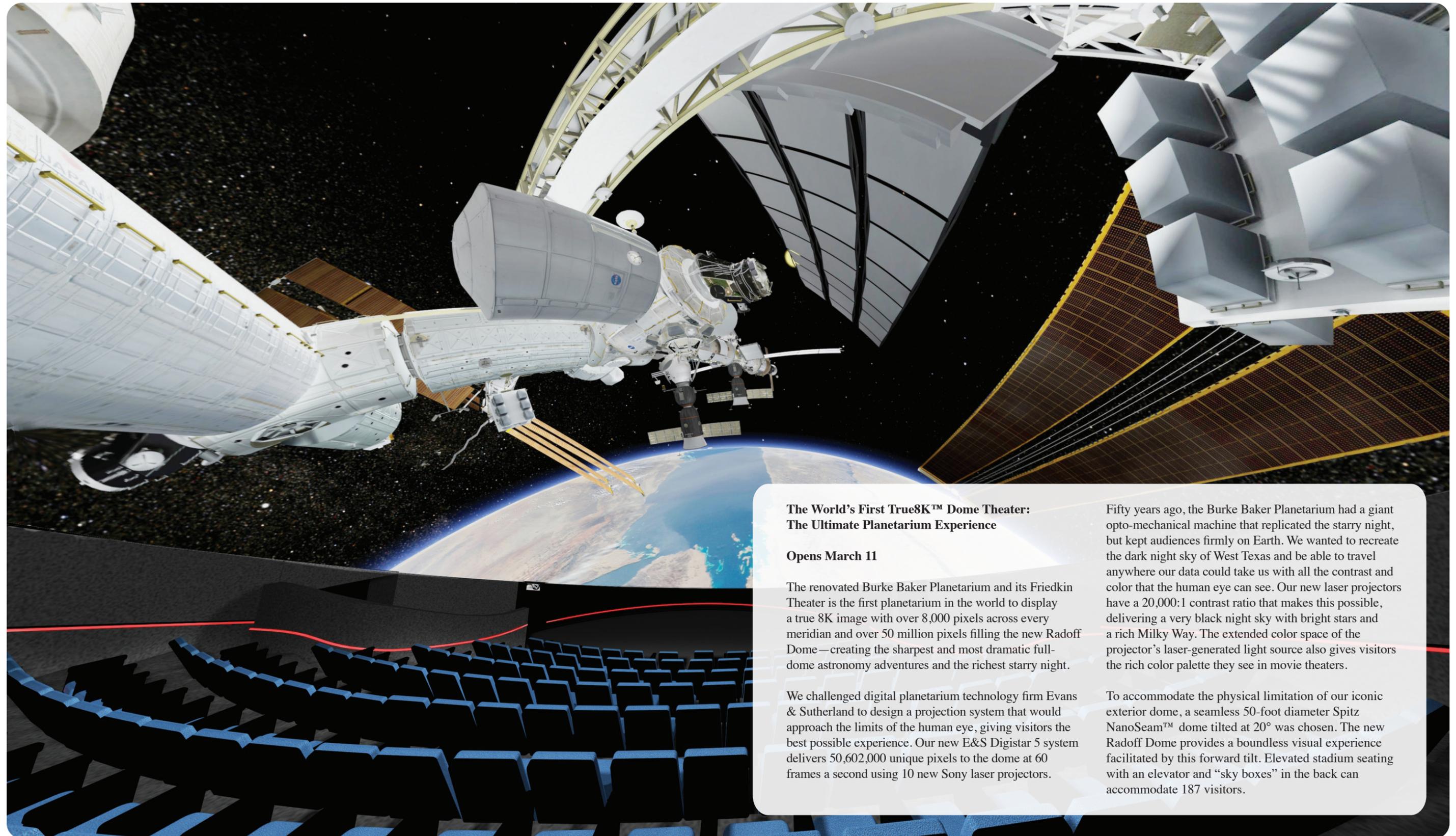


Burke Baker
PLANETARIUM

THE WORLD'S FIRST TRUE8K™ DOME THEATER:
THE ULTIMATE PLANETARIUM EXPERIENCE

OPENS MARCH 11

Burke Baker PLANETARIUM



The World's First True8K™ Dome Theater: The Ultimate Planetarium Experience

Opens March 11

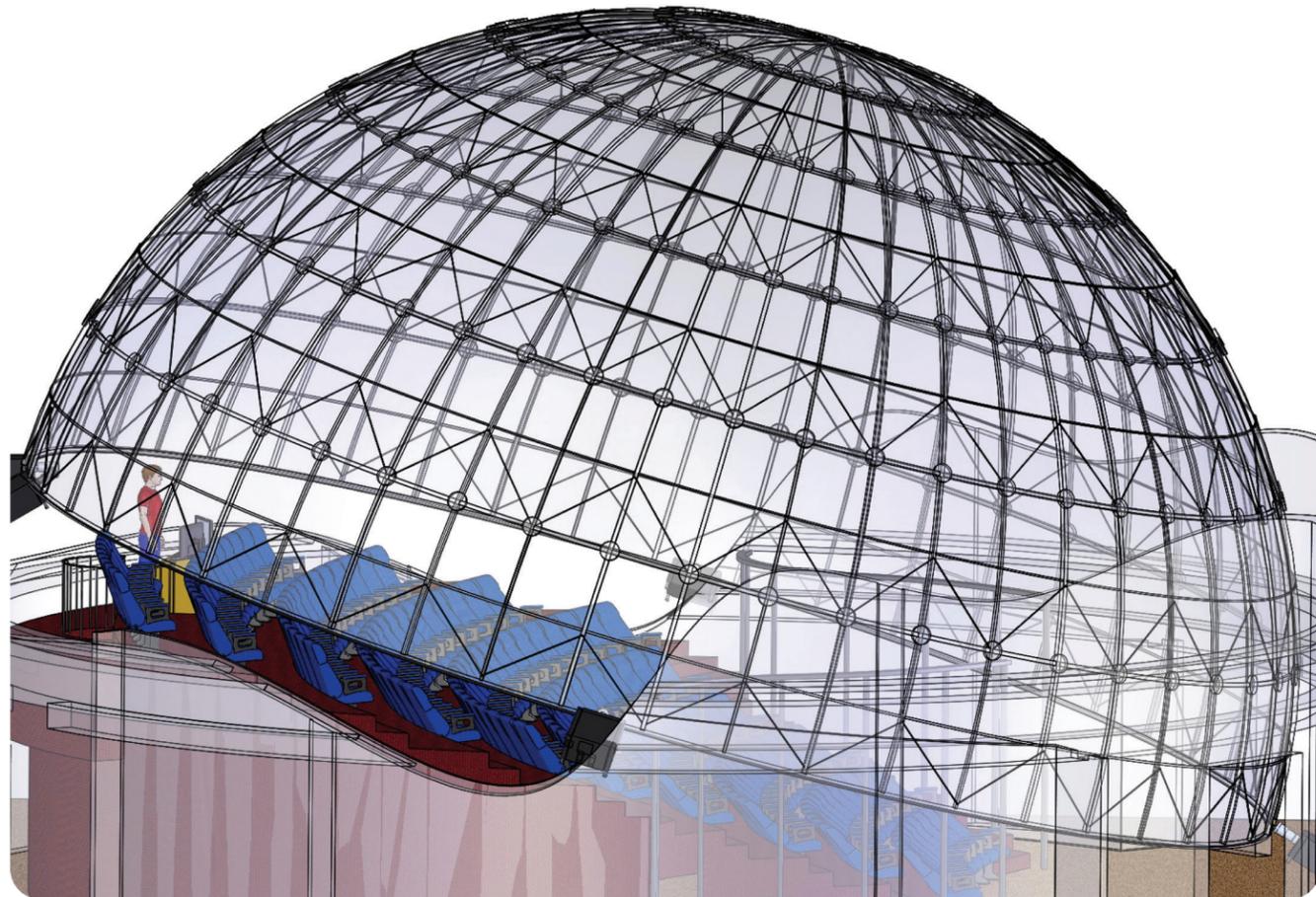
The renovated Burke Baker Planetarium and its Friedkin Theater is the first planetarium in the world to display a true 8K image with over 8,000 pixels across every meridian and over 50 million pixels filling the new Radoff Dome—creating the sharpest and most dramatic full-dome astronomy adventures and the richest starry night.

We challenged digital planetarium technology firm Evans & Sutherland to design a projection system that would approach the limits of the human eye, giving visitors the best possible experience. Our new E&S Digistar 5 system delivers 50,602,000 unique pixels to the dome at 60 frames a second using 10 new Sony laser projectors.

Fifty years ago, the Burke Baker Planetarium had a giant opto-mechanical machine that replicated the starry night, but kept audiences firmly on Earth. We wanted to recreate the dark night sky of West Texas and be able to travel anywhere our data could take us with all the contrast and color that the human eye can see. Our new laser projectors have a 20,000:1 contrast ratio that makes this possible, delivering a very black night sky with bright stars and a rich Milky Way. The extended color space of the projector's laser-generated light source also gives visitors the rich color palette they see in movie theaters.

To accommodate the physical limitation of our iconic exterior dome, a seamless 50-foot diameter Spitz NanoSeam™ dome tilted at 20° was chosen. The new Radoff Dome provides a boundless visual experience facilitated by this forward tilt. Elevated stadium seating with an elevator and “sky boxes” in the back can accommodate 187 visitors.

Burke Baker PLANETARIUM



The new Burke Baker Planetarium opens to the public on March 11, 2016, the first day of Spring Break. We will offer 3 new shows, featuring the most dynamic, dramatic, vivid and detailed imagery ever created for planetarium domes, combined into engaging educational experiences that take full advantage of the projector power of the world's first true 8K full-dome theater. Prepare to leave Houston behind for a cosmic journey through space and time.

Museum President Joel Bartsch summarized the larger context of this ambitious renovation, "The Houston Museum of Natural Science strives to offer world-class experiences in its exhibits and theaters. With the world's first True8K™ planetarium, our star field is now an immersive exhibit that more closely and dramatically replicates reality than any other system currently

known. Our full-dome experience now has the brightness, resolution, and vividness of the best theater screens, surrounding the audience in every direction. The Burke Baker Planetarium and its Friedkin Theater, the cornerstone of our institution when we opened in 1964, is now a crowning jewel in our 21st century museum."

Out-of-this-World Planetarium Upgrade:

- 5 times the brightness
- 13 times the contrast
- 7 times the resolution
- 2-4 times the frame rate
- 50,918,000 pixels—the most ever on Earth! (Existing "8K" planetariums display about 30 million pixels, only 60% of what is required to be a True8K™ theater.)

The Museum is grateful on a truly cosmic scale to the donors who have contributed to the campaign. Because of their generosity, the Burke Baker Planetarium will continue to serve as a resource to everyone in our community who has an interest in reaching for the stars.

Houston Endowment, Inc.

The Radoff Family Foundation

John P. McGovern Foundation

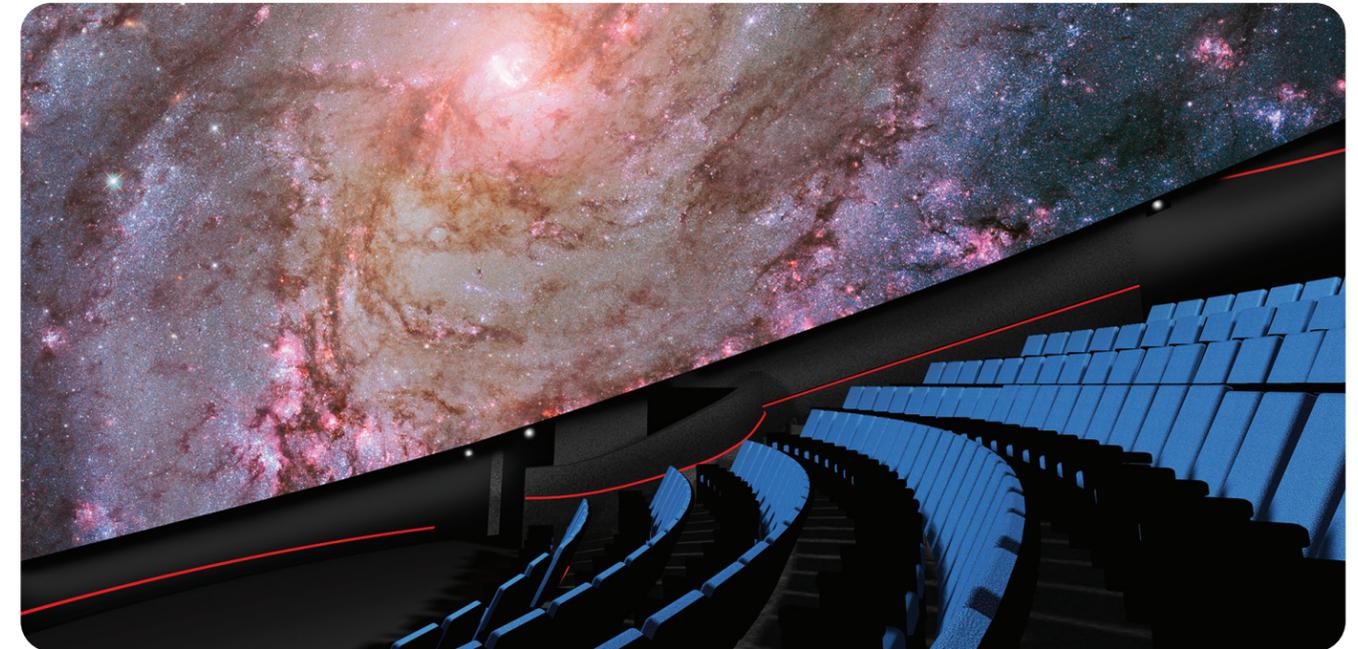
The Burke Baker Family

Hamill Foundation

The Albert and Ethel Herzstein Charitable Foundation

Patricia Reiff/E-Planetarium

Go-Dome (In Kind)



MEMBERS NIGHT Saturday, March 26, 6 - 10 p.m. Tickets \$4

Enjoy an evening of planetarium shows in the newly renovated Burke Baker Planetarium. This star-studded evening includes children's crafts, cash bar and refreshments. Reserve early—this event will sell out! Please call (713) 639-4629 for reservations.

True8K™ PREMIER SHOWS



Dark Universe

What you can't see will amaze you! Narrated by astrophysicist Neil deGrasse Tyson, this immersive planetarium show features exquisite renderings of enigmatic cosmic phenomena and spectacular scenes in

deep space. *Dark Universe* plunges audiences into two of today's biggest cosmic mysteries—dark matter and dark energy. Fly through Jupiter's atmosphere, sail out to the far reaches of space, and be there for the birth of our own galaxy as you explore how our understanding of the Universe has evolved.



Dynamic Earth

Dynamic Earth explores the inner workings of Earth's climate system. 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 our atmosphere, oceans and biosphere.

Liam Neeson narrates as audiences 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.



NEW Starry Night Express

Enjoy this LIVE show for stargazers of all ages. Practice finding constellations, planets, the moon, meteor showers and the Milky Way band—everything you might see on the next starry night under the darkest skies on Earth. The live action adventure then zooms out to the different planets you can see, past Pluto, and on to the stars of the nearby Pleiades star cluster and into the birth clouds of the Orion Nebula. This guided tour, led by your personal astronomer, begins with the objects you can see tonight in your own backyard.