



The Starry Messenger

THE BIGGEST & BEST IN THE METROPLEX!

Magnificent Sun Opening Celebration!



The Planetarium invites you to the opening of our new show, *Magnificent Sun*. *Magnificent Sun* is the third production of the Planetarium funded by NASA in conjunction with ongoing solar physics research at UT Arlington.

From our earliest days, mankind has wondered about the Sun. Was it a god or a demon? Eventually, religious mysticism gave way to scientific curiosity, but even today many unanswered questions about the Sun remain - and the Sun is still by far the most important object for life on Earth. With modern marvels, like observatories and space telescopes, we continue to watch the Sun. Join us as we explore our *Magnificent Sun*.

The opening of the show will be held at the Planetarium on Thursday, December 9th at 6:00 pm.

Get in the Holiday Spirit with our Great Shows



Our schedule is packed with great shows to get you and your family in the holiday spirit.

December 4th - December 19th

Tuesdays
6:00 - Black Holes

Wednesdays
5:30 - \$2 Movie

Thursdays
6:00 - Two Small Pieces of Glass

Pink Floyd is Coming to the Planetarium



This December, the Planetarium is playing 3 new entertainment shows; Pink Floyd's *Dark Side of the Moon*, *The Wall*, and *Wish You Were Here*. Amazing visuals and animations will bring these classic albums to life in entertainment shows reminiscent of a 60's laser light show.

December 4th - 18th:
Saturdays at 7:00

December 4th - Dark Side of the Moon
December 11th - The Wall
December 18th - Wish You Were Here

December 21st - January 2nd:
Thursdays at 7:00

December 23rd - Dark Side of the Moon
December 30th - Wish You Were Here

Other shows on our schedule include, *Holiday Music Magic*, *Spacepark 360* and *Season of Light*.

Telescopes, Calendars and Mugs Oh My!



Looking for great holiday gifts for everyone on your list? Look no further than the Planetarium's gift shop!

If you have a stargazer on your list, we've got telescopes to suit your needs. Choose from our Galileoscope kit, Celestron FirstScope or Celestron 114mm

Fridays

5:30 - \$2 Movie

Saturdays

1:00 - Season of Light

2:30 - \$2 Movie

5:30 - Two Small Pieces of Glass

7:00 - Pink Floyd

Sundays

1:30 - One World, One Sky

2:30 - Secret of the Cardboard Rocket

December 21st - January 2nd

Tuesdays

2:30 - \$2 Movie

5:00 - Spacepark 360

6:00 - Holiday Music Magic

Wednesdays

2:30 - One World, One Sky

4:00 - Secret of the Cardboard Rocket

5:30 - \$2 Movie

Thursdays

2:30 - \$2 Movie

5:00 - Season of Light

6:00 - Spacepark 360

7:00 - Pink Floyd

Sundays

1:30 - Holiday Music Magic

2:30 - Season of Light

A detailed version of our schedule can be found [here](#).

Scientists Capture Antimatter Atoms in Particle Breakthrough



(CNN) -- Scientists have captured antimatter atoms for the first time, a breakthrough that could eventually help us to understand the nature and origins of

the universe.

Researchers at CERN, the Geneva-based particle physics laboratory, have managed to confine single antihydrogen atoms in a magnetic trap.

This will allow them to conduct a more detailed study of antihydrogen, which will in turn allow scientists to compare matter

telescope.

The Galileoscope is an exact replica of the telescope Galileo Galilei used 400 years ago. This easy to assemble telescope is just \$40 plus tax and is recommended by the International Astronomical Society.

The FirstScope 3" diameter tabletop telescope is the perfect telescope for beginner skywatchers and children. Get yours today for just \$60 plus tax.

For the experienced astronomer on your list, we have the Celestron 114 mm telescope with an Alt-Azimuth mount. This telescope is \$250 plus tax and will last a lifetime. Get the package deal for \$400 plus tax and add in a lens and filter kit, motor drive and guide to stargazing.

Our gift shop also offers stainless steel coffee mugs, 2011 calendars and plenty of stocking stuffers for all the good little girls and boys on your list. For prices and gift ideas, contact us!

Quantities are limited, so purchase yours today! All gift shop items can be purchased by calling 817-272-1183 or send us an [email](#).

Curiosity Cam Streams Live Video of Testing Process



Watch as NASA engineers build and test the newest Mars Rover, *Curiosity*, with the [Curiosity Cam](#). Look

inside the clean room at NASA's Jet Propulsion Laboratory in Pasadena, California, to watch the next Mars rover being built. The camera is located in a viewing gallery above the clean room floor.

As of October 2010, technicians are working from approximately 8:00 a.m. to 11:00 p.m. PDT Monday through Friday. The camera shows a portion of the clean room that is typically active; but the

and antimatter.

Understanding antimatter is one of the biggest challenges facing science -- most theoretical physicists and cosmologists believe that at the Big Bang, when the universe was created, matter and antimatter were produced in equal amounts.

However, as our world is made up of matter, antimatter seems to have disappeared.

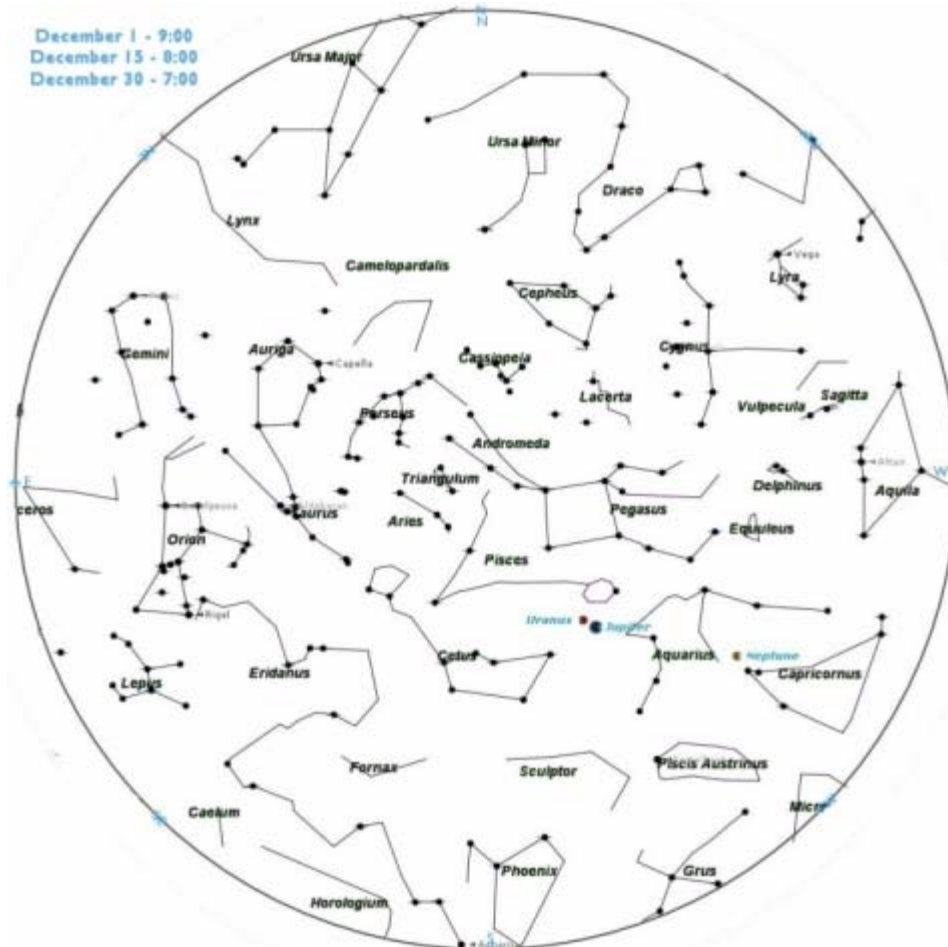
Understanding antimatter could shed light on why almost everything in the known universe consists of matter.

Read the rest of this article [here](#).

rover, spacecraft components and technicians may move out of view as work shifts to other areas of the room. When activity takes place in other testing facilities around JPL, the clean room may be empty.

Want to see where the camera is located? This shot gives you the [reverse view](#).

Curiosity is about the size of a car - 10 feet long, 9 feet wide, and 7 feet tall. It will launch between November 25th - December 18th, 2011 to arrive at Mars in August 2012. The primary mission will last 1 Mars year - or 23 Earth months. Read about the *Curiosity* mission [here](#).



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