

2021

Buhl Planetarium & Observatory



APRIL STAR CHART



Night sky from Pittsburgh, PA 8 pm EST mid-April

Look for future **SKYWATCH** dates, at CarnegieScienceCenter.org. Presented by

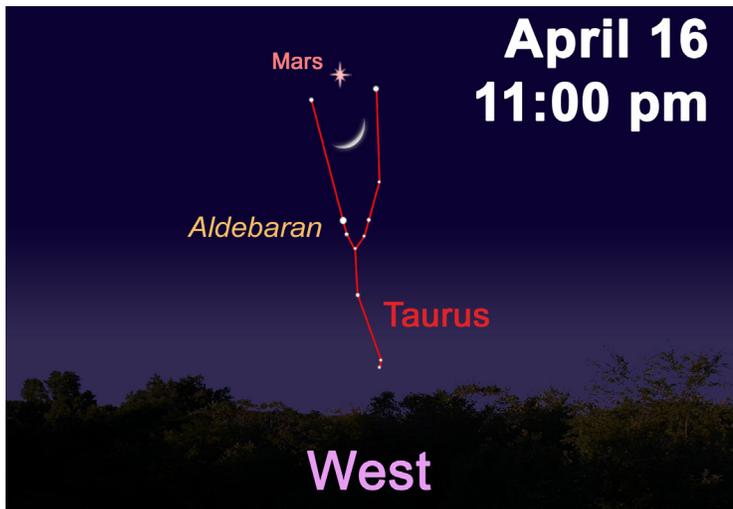


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Star Chart FAQ



How do I use the star chart?

Hold it out in front of you with the direction you're facing at the bottom of the chart. It works even better if you hold it above your head and look up at it.

Why are east and west switched?

They are only switched because you're used to looking at maps of the ground. Hold it above your head, and you'll see the directions line up just right.

Why isn't the Moon on the star chart?

The chart covers a whole month. During this time, the Moon travels around the Earth, doing a full lap around the sky.

What's Up in April

Mars has recently been prominent in the news and bright in the sky since July, but we're close to bidding its visibility farewell. On Saturday, April 17, we can view a conjunction of Mars and the Moon. Starting after dusk on the western horizon, use the waxing crescent Moon to find Mars. Both will be in the constellation Taurus and visible until midnight. Because the position of the moon changes nightly, you'll notice Mars above the Moon on Friday, April 16 and below the Moon on Saturday. Mars will continue to fade in brightness over the next months.

Space Fact of the Month

The first Earth Day took place April 22, 1970, in protest of an oil spill off the coast of California and a river that caught on fire in Ohio due to toxic waste. In a time before the internet, word spread through news outlets, telephone calls, letters and word of mouth. More than twenty million people, including schools and local communities, participated in clean up events. In December 1970, The Environmental Protection Agency was established, and vital environmental legislation was passed. Today more than one billion people participate in Earth Day events.

NASA sent up its first weather satellite in 1964, but it was during the 1970's and 1980's that NASA pioneered the technology that would lead to today's Earth Science Systems satellite missions. Satellites observe changes we may miss. By studying water on our home planet from space, NASA helps manage cleaner water on a massive scale.

Join us for a show in the NEW Buhl Planetarium! An all new experience.

One giant leap from 4K to 8K resolution –

A brand new Sony projection system will utilize 10 projectors to create a seamless, synchronized True8K high resolution image—at least 8,000 pixels across every full 180-degree arc on the dome.

More options, more adventures –

The new Evans & Sutherland Digistar 7 Software features an extensive library of planetary models, real-time 3D computer graphics, and a catalog that incorporates data from all over the world to generate the most accurate 3D atlas of the universe.

Buhl Planetarium visitors will be able to travel to other stars and even exoplanets and fly through 3D digital nebulae based on volumetric data.



Buhl Planetarium Shows presented by

