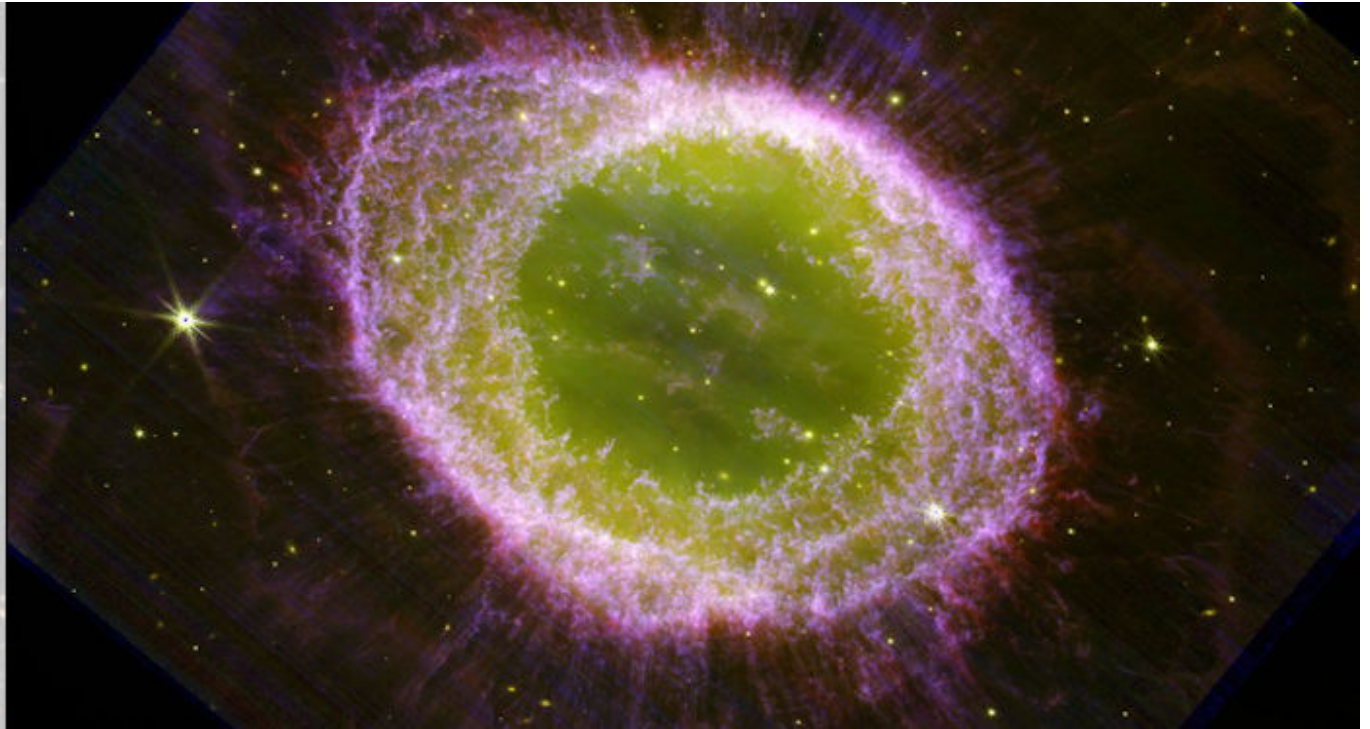


“Webb telescope captures iconic Ring Nebula in unprecedented detail | CNN”



Astronomers have used the James Webb Space Telescope for a fresh perspective of an iconic celestial favorite called the Ring Nebula.

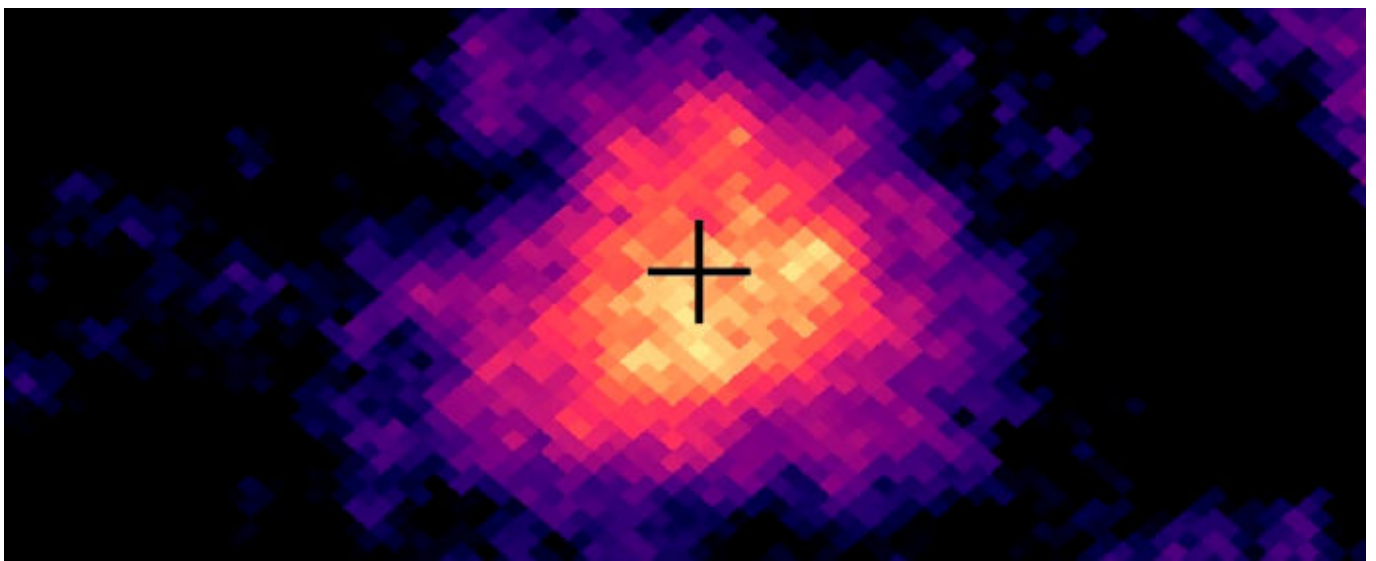
The new image captures never-before-seen details within the colorful nebula, located in the Lyra constellation about 2,600 light-years from Earth.

The structure of the Ring Nebula can be glimpsed through amateur telescopes and has been observed and studied for years.

[Click here to read the full article.](#)

Link contributed by Gene Savoy, Jr.

“Scientists Detect Highest-Energy Light Ever Seen From The Sun”



The most energetic light ever seen emanating from the Sun has just been detected, creating a new puzzle for solar physicists to solve.

A 6-year observing campaign by more than 30 institutions across North America, Europe, and Asia has resulted in the first ever detection of solar gamma radiation in the teraelectronvolt (TeV) range.

[Click here to read the full article.](#)

“New Clues on the Source of the Universe’s Magnetic Fields”



It isn't just your refrigerator that has magnets on it. The earth, the stars, galaxies, and the space between galaxies are all magnetized, too. The more places scientists have looked for magnetic fields across the universe, the more they've found them. But the question of why that is the case and where those magnetic fields originate from has remained a mystery and a subject of ongoing scientific inquiry.

[Click here to read the full article.](#)

“Uncovering a lost Maya city in the jungle”



The first time I watched “Raiders of the Lost Ark” as a kid, it inspired me to explore the little forest behind my house.

Armed with a walking stick and a shovel in my best impersonation of Indiana Jones, I maneuvered through thick clusters of trees, my feet slipping on the waxy leaves from a massive magnolia.

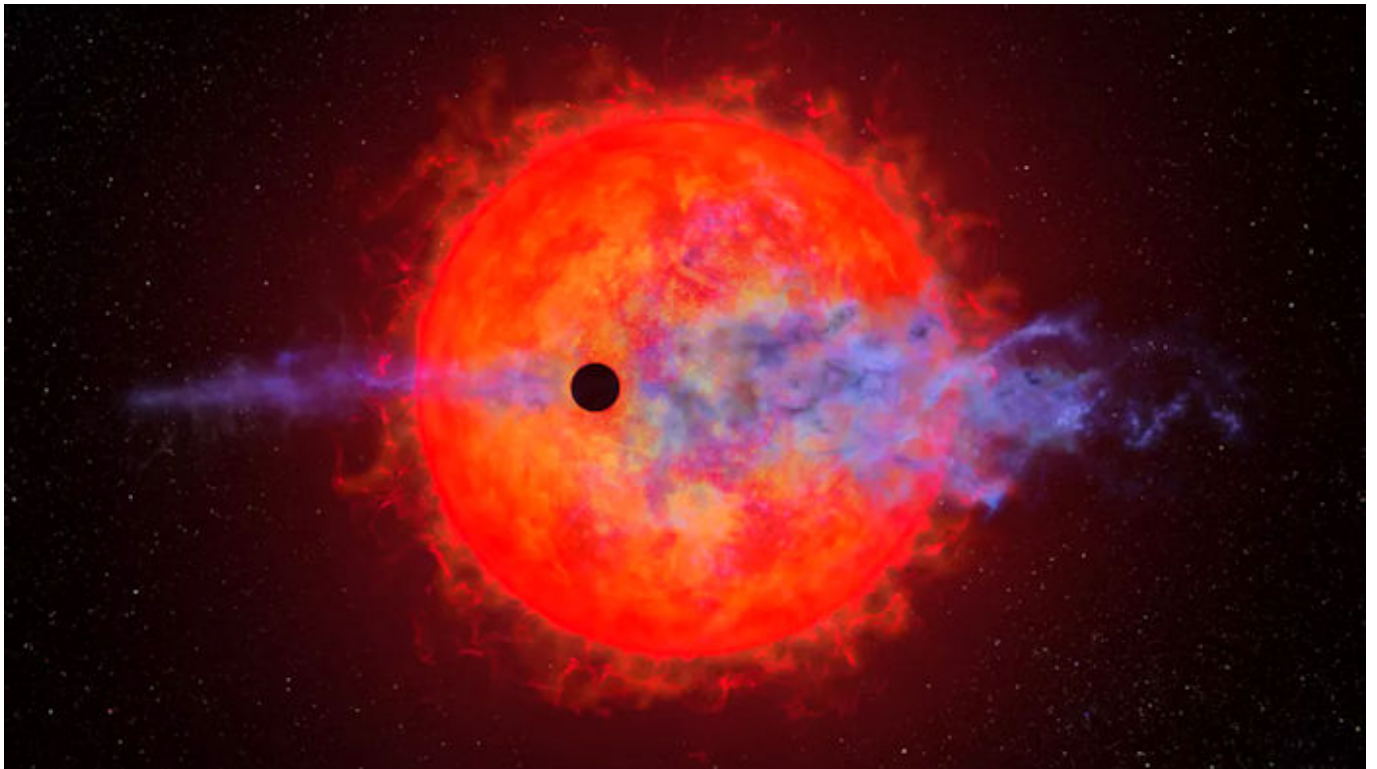
I scanned the ground, thinking any minute I would spy some rock sticking up that had been used to build a long-forgotten city that held buried treasure.

When no discovery emerged, I remember thinking there must be a more efficient way to investigate the past.

[Click here to read the full article.](#)

Link contributed by Gene Savoy, Jr.

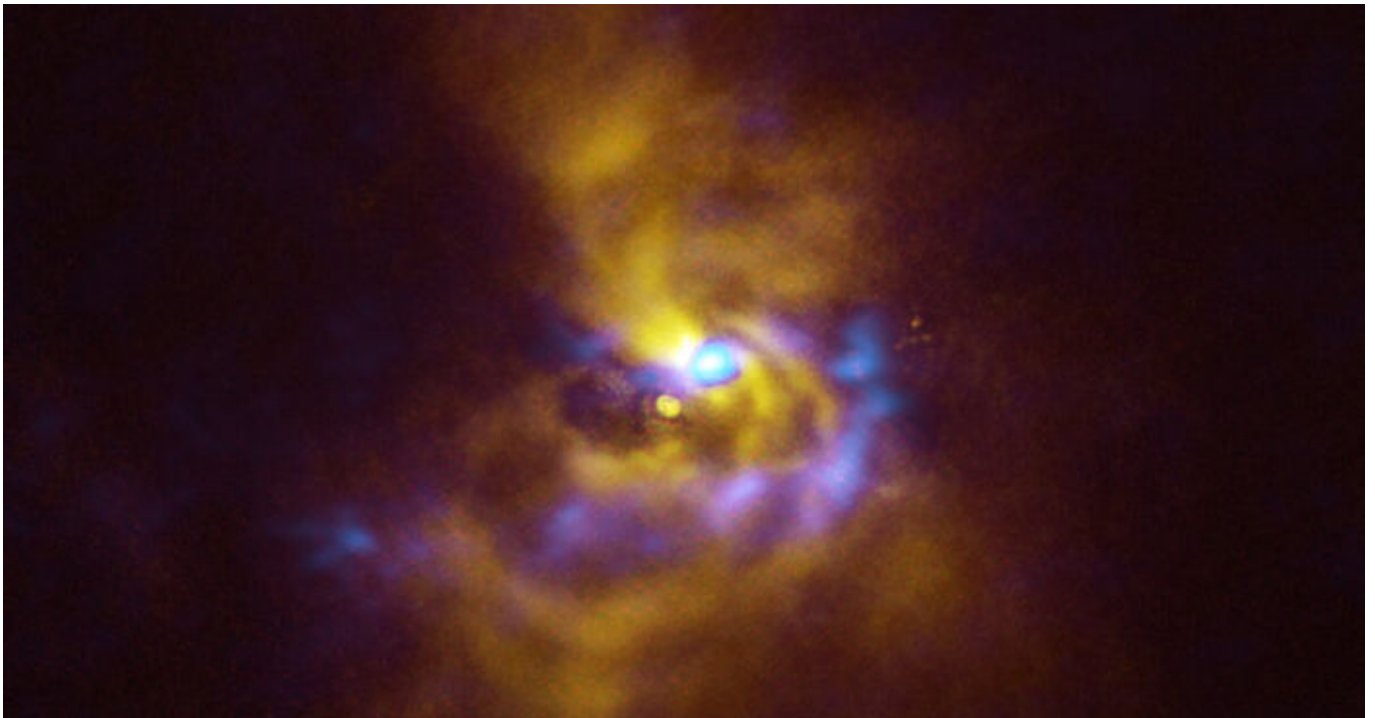
“Hubble telescope sees an angry star and an evaporating planet”



Just about 32 light-years from our solar system (which is incredibly close, cosmically speaking) an angry red dwarf star named AU Microscopii is absolutely tormenting one of its very own planets, AU Microscopii b. Piece by piece, the stellar beast seems to be eviscerating the world's atmosphere with its high-energy radiation. It's quite chaotic over there, to say the least.

[Click here to read the full article.](#)

“Dust clumps around a young star could one day form planets”



A stellar new image from the European Southern Observatory (ESO) is offering up some clues about how planets as [enormous as the gas giant Jupiter](#) could form. Researchers [used the ESO's Very Large Telescope \(VLT\)](#) and an international astronomy facility called Atacama Large Millimeter/submillimeter Array (ALMA) to detect large dusty clumps located close to a young star. The clumps may collapse and one day create planets. The findings were [published July 25 in the *The Astrophysical Journal Letters*](#).

[Click here to read the full article.](#)

“Bizarre ‘relic galaxy’ is missing a key component of the universe, and scientists are stumped”



Our picture of cosmic evolution could be thrown into doubt by the discovery of a massive galaxy that seems to lack dark matter.

Dark matter, which accounts for around 85% of the matter in the universe, seems to be absent from the galaxy NGC 1277,

part of the Perseus Cluster of galaxies. The galaxy, located 240 million light-years from Earth, is the first [Milky Way](#)-sized conglomeration of stars, planets, dust and gas found to be missing dark matter.

[Click here to read the full article.](#)

“Smashed asteroid surrounded by a ‘cloud’ of boulders”



The three-decade old Hubble Space Telescope has [spotted a swarm of space boulders around the asteroid Dimorphos](#). If that name sounds familiar, it is the same asteroid that NASA [deliberately slammed the 1,200 pound DART spacecraft into](#) in September 2022.

The mission was the first time humans set out to change the movement of an object in space. The Double Asteroid Redirection Test (DART) spacecraft slammed head-on into Dimorphos at 13,000 miles per hour on [September 26, 2022](#) in an effort to change the asteroid's velocity.

[Click here to read the full article.](#)

“Earth will be able to see two giant black holes that will collide in three years.”



In three years, the “black hole merger,” a rare astronomical

occurrence, will take place. A single black hole will be created when two extremely large black holes meet and merge. Due to the fact that the point of convergence will be visible to telescopes, this enables researchers to more thoroughly examine the characteristics and behavior of black holes. Scientists and anyone who enjoy science are likely to be very interested in this big and fascinating occurrence.

[Click here to read the full article.](#)

**“James Webb Space Telescope
spots violent collision
between neutron stars”**

Using the James Webb Space Telescope (JWST), astronomers have traced an incredibly bright gamma-ray burst (GRB) back to its source, a violent collision between two neutron stars.

The ring on your finger likely contains atoms forged in [neutron star](#) collisions like this, also known as "[kilonovas](#)." That's because, as well as blasting out long-duration GRBs, kilonovas are believed to be the sites at which the universe's heaviest elements, which cannot be synthesized in the nuclear furnaces at the heart of stars, are forged.

[Click here to read the full article.](#)