

Ode to E Pluribus Unum for Sunday October 30 2022

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Spiral Galaxy M74: A Sharper View

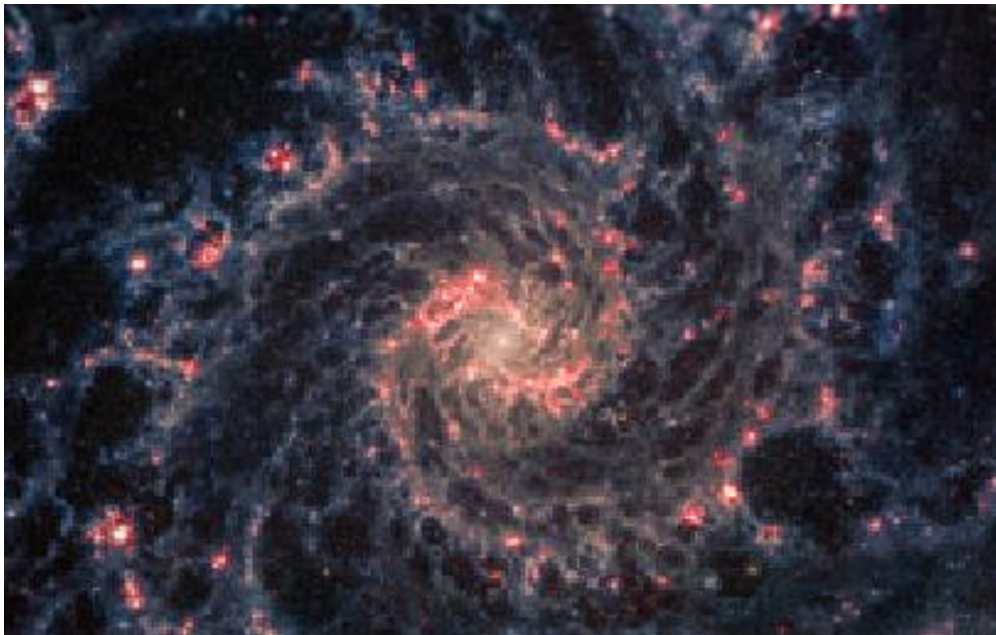


Image Credit: NASA, ESA, CSA, STScI; Processing Copyright: Robert Eder

Beautiful spiral galaxy Messier 74 (also known as NGC 628) lies some 32 million light-years away toward the constellation Pisces.

An island universe of about 100 billion stars with two prominent spiral arms, M74 has long been admired by astronomers as a perfect example of a grand-design spiral galaxy.

M74's central region is brought into a stunning, sharp focus in this recently processed image using publicly available data from the James Webb Space Telescope. The colorized combination of image data sets is from two of Webb's instruments NIRcam and MIRI, operating at near- and mid-infrared wavelengths. It reveals cooler stars and dusty structures in the grand-design spiral galaxy only hinted at in previous space-based views.

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Genius Within the Inner Life of Glenn Gould



<https://youtu.be/2-gEI4VBEDk?t=4>

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With this Bionic Nose, Covid Survivors May Smell the Roses Again

A decades-long quest pairs an e-nose with a brain implant



<https://spectrum.ieee.org/covid-smell-prosthetic#toggle-gdpr>

As long as they're at it why not make it as sensitive as Rover's nose?

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Why Do Cats and Dogs Shed?



*A cat about to get its fur brushed, which can help prevent hairballs.
(Image credit: anastas_ via Getty Images)*

https://www.livescience.com/why-do-cats-dogs-shed-fur?utm_campaign=368B3745-DDE0-4A69-A2E8-62503D85375D

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Earthquakes: Facts About One of Earth's Deadliest Hazards



*The aftermath of the Nepal earthquake in 2015. Collapsed buildings in Kathmandu.
(Image credit: dutourdumonde via Getty Images)*

https://www.space.com/earthquakes-facts-science?utm_campaign=58E4DE65-C57F-4CD3-9A5A-609994E2C5A9

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The awkward moment when you're so focused on taking a photo that you lose Nanna.



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"Siri, why am I so bad at relationships with women?"

"This is Alexa."

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Seaside Treasures

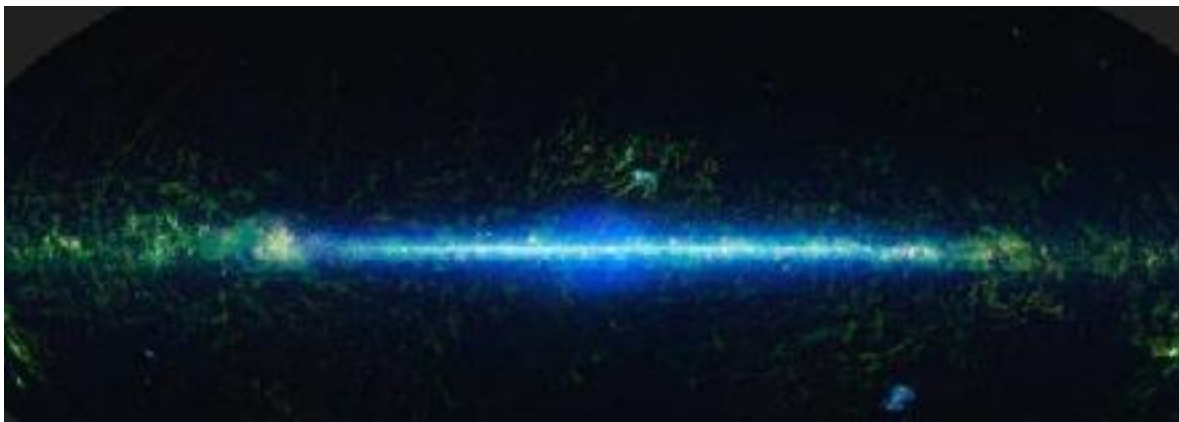


Everything from small coastal fish to large pelagics have the sea turtle hatchlings on their menu, but throughout this entire process the hatchlings carry themselves with a fearless confidence. Next time you see a grown sea turtle, know that it is a survivor.

<https://bit.ly/3yYzYEQ>

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Time-Lapse Video Reveals a Decade in the Life of the Universe



<https://bit.ly/3THDco1>

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EAA AirVenture OSH 2022 Still Images

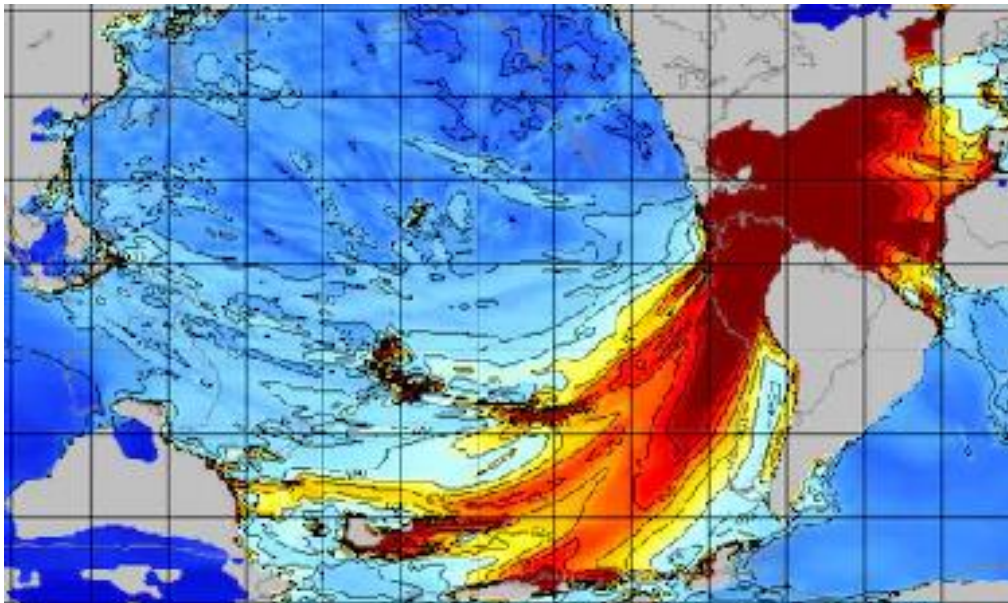


<https://youtu.be/vdfObdLzqSQ>

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Asteroid that Wiped Out Dinosaurs Triggered 'Megatsunami,' with Mile-High Waves

For the first time, scientists were able to simulate the tsunami that struck 66 million years ago



Maximum tsunami wave amplitude, in centimeters, following the asteroid impact 66 million years ago.

(From Range et al. in AGU Advances, 2022)

<https://wapo.st/3MRqAZ7>

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1,600-Year-Old Mosaic of Hercules and Neptune's 40 Mistresses Unearthed in War-Torn Syria

By Laura Geggel

Archaeologists in Syria have discovered a stunning mosaic featuring depictions of the Trojan War, Hercules and Neptune dating to the fourth century A.D.



Artisans used colorful, small stones to craft the fourth century A.D. mosaic found in Syria. Photographed on Oct. 12, 2022.

(Image credit: Photo by Louai Beshara/AFP via Getty Images)

Archaeologists in war-torn Syria have unearthed a stunning mosaic from the Roman era that features events from the Trojan War, the chiseled muscles of the Roman demigod Hercules and the powerful ancient Roman god Neptune alongside 40 of his mistresses.

The General Directorate of Antiquities and Museums, a Syrian government agency, discovered the 65.5-foot-long by 20-foot-wide (20 by 6 meters) mural in Rastan, a town in central Syria near Homs, a key battleground during the Syrian revolution, agency representatives announced on Wednesday (Oct. 12), according to the Associated Press.

The agency uncovered the well-preserved mural — painstakingly made in ancient times with colorful stones that each measured just 0.5 by 0.5 inches (1.2 by 1.2 centimeters)

across — in a building that was held by civil war rebels until 2018, when Syrian government forces took the town, according to the BBC(opens in new tab). The ancient ruins under the building are still undergoing excavation.

"We can't identify the type of the building, whether it's a public bathhouse or something else, because we have not finished excavating yet," Humam Saad, the associate director of excavation and archaeological research at the directorate, told the AP.

The mural is a rare find that is "rich in details," and is easily the most important archaeological find in the country since the civil war started in 2011 during the Arab Spring, Saad added.

The mural dates to the fourth century A.D., after the Western Roman Empire split from the Eastern Roman Empire (also known as the Byzantine Empire). Businessmen from Lebanon's Nabu Museum had originally purchased the building, and then donated it to the Syrian state, the AP reported.

The mural includes depictions of the Trojan War, a legendary war fought between the Greeks and Trojans in ancient Troy (modern-day Turkey), as described in the epic poems "The Iliad" and "The Odyssey," by Homer.

The mural also shows Hercules (known as Heracles to the Greeks) slaying Hippolyta, the queen of the Amazon warriors, after he went to retrieve her belt as the ninth of his 12 labors.

Many of Syria's artifacts have been destroyed and looted during the past 11 years of conflict. During its excavation, the mosaic faced an uncertain future

"Unfortunately, there were armed groups that tried to sell the mosaic at one point in 2017 and listed it on social media platforms," Saad told the AP.

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So That's How They Do It



https://youtu.be/9sc_ST4FtLY

Some ingenious construction ideas.

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The Space Race Started a Technological Revolution in Agriculture

Today's agriculture embraces technology in transformative ways.



*An artist's impression of a Global Positioning System (GPS) satellite in orbit.
(Image credit: NASA)*

https://www.space.com/space-race-technological-revolution-agriculture-op-ed?utm_campaign=58E4DE65-C57F-4CD3-9A5A-609994E2C5A9

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Stanford Exoskeleton Walks Out Into the Real World

After years of careful development, engineers have created a boot-like exoskeleton that increases walking speed and reduces effort outside of the lab.



*A close-up of the untethered exoskeleton, which monitors movement using inexpensive sensors
(Image credit: Kurt Hickman)*

https://news.stanford.edu/2022/10/12/exoskeleton-makes-walking-faster-less-tiring/?utm_source=Stanford+Science+Digest&utm_campaign=a5f20dc5a8-EMAIL_CAMPAIGN_2022_10_20_05_41&utm_medium=email&utm_term=0_ed7e4827fe-a5f20dc5a8-54935754

17% energy reduction? It should do wonders for my Walking Thoughts. Yee Hah!

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How About a Little More Paul Harvey?



<https://youtu.be/si4WYODVnOE?t=401>

Ok

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Plastic Pollution



<https://ourworldindata.org/plastic-pollution>

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Flash Mobbing it Up Parisian Style...Ravel Bolero



'Orchestre national d'Île-de-France à la gare Saint-Lazare

<https://youtu.be/RyiLIx2sEI?t=3>

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Lesser Known Knights of the Round Table

- The knight who was afraid to fight: Sir Render
- The knight no one believed: Sir Real
- The knight too big to sit at the table: Sir Round
- The knight who designed the table: Sir Cumference
- The undercover knight: Sir Veillance
- The knight who was never killed in battle: Sir Vivor
- The knight who exceeded expectations: Sir Passed
- The knight who showed up unexpectedly: Sir Prize
- The knight who overcame obstacles: Sir Mount
- The knight who funded the kingdom: Sir Tax
- The knight who kept the maps up-to-date: Sir Veyor
- The knight who drank too much: Sir Rhosis
- The knight who stood in for the king: Sir Rogate
- The knight who stood out among the rest: Sir Perb
- The knight with the fragile ego: Sir Amic
- The knight who performed in three rings: Sir Cus
- The saddest knight of all: Sir Rowful
- The knight who wasn't needed: Sir Perfluos
- The knight who liked to dance: Sir Prance Alot

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E-Ticket Ride



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Cuban Defector Flies Stolen An-2 To Florida

By Russ Niles –for AVWeb



A Cuban pilot defected to Florida on October 21st but there won't be much intelligence to be gleaned from the government aircraft he stole. The pilot, identified by a Spanish publication as Ruben Martinez, flew an ancient Antonov An-2 single-engine biplane at waveltop level before landing at Dade-Collier Training and Transition Airport in the Everglades.

“The pilot of the plane notified the Miami-Dade County tower at TNT Airport that he was low on fuel and had to land there minutes before he landed,” Greg Chin, the Miami-Dade Aviation Department’s communications director, told Local 10 news.

Martinez reportedly left El Cedro, Cuba at 7 a.m. and headed for Florida.

“He told airport staff that he was a defector from Sancti Spiritus, Cuba,” Chin said. The TSA and Customs and Border Protection are, of course, interested in how the school-bus sized relic of the Soviet era was able to sneak through one of the most surveilled coastlines in the country. Martinez is being held by Customs officials.

The aircraft is owned by a Cuban company called ENSA, which is a subsidiary of the government’s Cuban Aviation Corporation. It normally supplies cropdusting aircraft but recently began carrying cargo.

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Making Good Use of Your Excavator

Elephants salutes the men who rescued their baby elephant from a ditch



<https://youtu.be/IEDHRh8gfm8?t=1>

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Smile for the Birdie

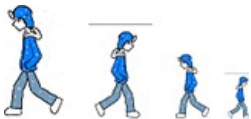


<https://mail.google.com/mail/u/1?ui=2&ik=54a740fe30&attid=0.1.1&permmsgid=msg-f:1747691792839116983&th=18410c6d090a88b7&view=att&disp=inline>

When the Photographer is Photographed

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My Walking Thoughts



For Sunday October 30 2022

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Pillars of Creation



<https://www.nasa.gov/feature/goddard/2022/nasa-s-webb-takes-star-filled-portrait-of-pillars-of-creation>

If you don't think we live in the most miraculous time in all of human history, then don't bother looking at portraits by Hubble and James Webb Space Telescope's Pillars of Creation, and for certain don't think of the untold trillions similarly transformative features that they and yet-to-be-launched witnesses are waiting to enlarge your vision of the cosmos.

Nor are these galactic scenes mere illustrations there only to beguile us. Captured within the photons, electrons--heretofore unobtainium-trons—are keys we will use to unlock mysteries of the past and unleash millions more from the universe's seeming endless supply of its stunning secrets.

gawk...ruminant...enjoy...and grow humble.

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Ps. No Ode Next Sunday

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