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PREPARED BY

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SCIENCE

Study into global daily air pollution shows almost nowhere on Earth is safe

(March 7, 2023)

In a new study of daily ambient fine particulate matter (PM2.5) across the globe, a new study has found that only 0.18% of the global land area and 0.001% of the global population are exposed to levels of PM2.5 -- the world's leading environmental health risk factor -- below levels of safety recommended by World Health Organization (WHO). Importantly while daily levels have reduced in Europe and North America in the two decades to 2019, levels have increased Southern Asia, Australia, New Zealand, Latin America and the Caribbean, with more than 70% of days globally seeing levels above what is safe.

Read more at: <https://www.sciencedaily.com/releases/2023/03/230307073211.htm>

Scientists complete first map of an insect brain

(March 9, 2023)

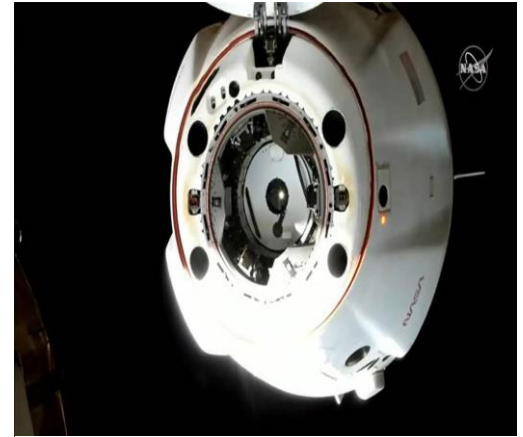
Researchers have completed the most advanced brain map to date, that of an insect, a landmark achievement in neuroscience that brings scientists closer to true understanding of the mechanism of thought. The international team led by Johns Hopkins University and the University of Cambridge produced a breathtakingly detailed diagram tracing every neural connection in the brain of a larval fruit fly, an archetypal scientific model with brains comparable to humans. The work, likely to underpin future brain research and to inspire new machine learning architectures, appears today in the journal *Science*.

Read more at: <https://www.sciencedaily.com/releases/2023/03/230309164711.htm>

NASA's SpaceX Crew-5 mission astronauts begin return to Earth

(March 11, 2023)

The SpaceX Crew Dragon Capsule undocked from the International Space Station at 12.50 PM IST on Saturday, March 11. NASA today announced that the SpaceX Dragon spacecraft undocked from the International Space Station's Harmony module carrying Crew-5 astronauts, on the verge of completing a nearly six-month-long science mission. The SpaceX Crew Dragon spacecraft is carrying NASA astronauts Nicole Mann and Josh Cassada, Japan Aerospace Exploration Agency (JAXA) astronaut Koichi Wakata, and Roscosmos cosmonaut Anna Kikina. It undocked from the Harmony module at 2.20 AM EST (12.50 PM IST) today.



credit: NASA TV

Read more at: <https://indianexpress.com/article/technology/science/nasa-spacex-crew-5-mission-8490950/>

Orca female observed caring for baby pilot whale

(March 07, 2023)

Killer whale (*Orcinus orca* (Linnaeus 1758)) female SN0540 in echelon formation with a long-finned pilot whale (*Globicephala melas* (Traill, 1809)) calf. The pilot whale calf displayed clear signs of emaciation via a deep depression posterior to the blowhole and a narrowed trunk, indicating poor body condition and nutritional status (Joblon et al. 2014). The strong fetal folds, indicating that the calf was newborn.



Read more at: <https://phys.org/news/2023-03-orca-female-baby-whale.html>

Scientists identify substance that may have sparked life on Earth

(March 07, 2023)

A computer rendering of the Nickelback peptide shows the backbone nitrogen atoms (blue) that bond two critical nickel atoms (orange). Scientists who have identified this part of a protein believe it may provide clues to detecting planets on the verge of producing life. A team of Rutgers scientists dedicated to pinpointing the primordial origins of metabolism—a set of core chemical reactions that first powered life on Earth—has identified part of a protein that could provide scientists clues to detecting planets on the verge of producing life.

Read more at: <https://phys.org/news/2023-03-scientists-substance-life-earth.html>



ARTS

Sea of Fog by Caspar David Friedrich considered one of the masterpieces of the Romantic movement

(March 12, 2023)

The iconic painting Wanderer above the Sea of Fog was created in 1818 by [German](#) romantic [artist](#) Caspar David Friedrich. Probably worth millions, it shows a man standing with his back to the viewer on a rocky cliff edge. He is looking out at a landscape that is covered in a thick sea of fog that cuts through other ridges, trees, and mountains and goes on forever. It has been regarded as one of the Romantic movement's greatest works and one of its most illustrative masterpieces. It is unknown where the [artwork](#) came from after it was created.



Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/behind-the-art-why-is-wanderer-above-the-sea-of-fog-by-caspar-david-friedrich-considered-one-of-the-masterpieces-of-the-romantic-movement-8483379/>

What Abhishek Poddar's museum in Bengaluru means for the Indian art scene

(March 11, 2023)

This was back in the 1980s. Abhishek Poddar wanted to gift his parents flowers on their silver jubilee anniversary. But this was no ordinary bouquet. The art collector had commissioned **MF Husain**, NS Bendre, Manjit Bawa, Arpita Singh, Bhupen Khakhar, Laxma Goud and KG Subramanyan, among others, to work their paintbrushes. "I thought of giving them flowers that would never wilt. I requested 25 leading artists to paint a flower each, of the same size, signifying each year of their marriage and framed them together to make a bouquet.

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/what-abhishek-poddars-museum-in-bengaluru-means-for-the-indian-art-scene/>

The flowers of war: Ukraine smith turns guns, ammo into art (March 10, 2023)

Viktor Mikhalev shows roses transformed from weapons and ammunition into flowers of war standing in a workshop in his house in Donetsk, Russian-controlled Donetsk region, eastern Ukraine (Source: AP) A blacksmith in the Russian-controlled eastern Ukrainian city of Donetsk is practically beating swords into ploughshares, and turning one man's trash into treasures. Viktor Mikhalev takes **weapons** and ammunition and produces what he calls the flowers of war. Mikhalev, who trained as a welder, lives and works in a house whose fence and door are decorated with forged flowers and grapes. In his workshop are piles of half-burnt machine guns and shells from the war's front line.

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/war-flowers-ukraine-smith-guns-ammo-art-8486149/>

France introduces a network of residencies in India under 'Villa Swagatam'

(March 7, 2023)

The event was also attended by the French Ambassador to India, Emmanuel Lenain, and the Director of French Institute in India, Emmanuel Lebrun-Damiens. On March 3, as French dancer-choreographer Amala Dianor and members of the cultural group from West Bengal Trimukhi Platform took to the stage at the lawns of the French Institute in India, their performance was not only a celebration of their arts; it was also a cultural exchange between the two countries.



Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/france-introduces-a-network-of-residencies-in-india-under-villa-swagatam-8483539/>

Claude Monet's Water Lilies

(March 5, 2023)

French Impressionist **Claude Monet** changed the face of the art world through this Water Lilies series beginning between 1897 and his death in 1926. Through a series of approximately 250 oil paintings, he depicted his flower garden at his home in Giverny which were the main focus of his artistic production during the last thirty years of his life. Monet suffered from cataracts when many of his works were painted and are considered famous works of Impressionism along with Vincent van Gogh's Starry Night.

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/behind-the-art-what-is-the-story-behind-claude-monets-water-lilies-8477958/>



Govt rethinking 'safe harbour' in Digital India Bill: How this could change internet landscape

(March 07, 2023)

Currently, the Information Technology Act, 2000, is the core framework that regulates entities on the Internet. However, it needs an update as the Internet of today looks much different than since the law was first passed. "Should online intermediaries be entitled to safe harbour at all," asked Minister of State for Electronics and IT Rajeev Chandrasekhar on Thursday as he presented a broad overview of the upcoming Digital India .

Read more at:

<https://indianexpress.com/article/explained/explained-sci-tech/digital-india-bill-new-law-internet-explained-8488748/>



credited :Getty Images/Thinkstock

India, Australia likely to wrap up \$100 billion trade pact by December

(March 06,2023)

New Delhi: [India](#) and [Australia](#) pledged to conclude a comprehensive [trade deal](#) by the end of 2023, eyeing \$100 billion in bilateral commerce that will seek to deepen engagement in areas such as critical minerals. A joint commission comprising commerce minister [Piyush Goyal](#) and his Australian counterpart [Don Farrell](#) reviewed trade between the countries. That followed the first India-Australia summit on Friday between Prime Ministers [Narendra Modi](#) and [Anthony Albanese](#) in New Delhi.

Read more at: <https://economictimes.indiatimes.com/news/economy/foreign-trade/india-australia-likely-to-wrap-up-100-billion-trade-pact-by-december/articleshow/98573966.cms>

Samsung expected to launch OnePlus 11R rival in India next week, check details

(March 9, 2023)

After unveiling its flagship lineup, the Galaxy S23 series, Samsung is likely preparing to launch two new smartphones in India next week. One of them will be the Galaxy A54 5G, which will go against the likes of the OnePlus 11R. In addition, the South Korean smartphone manufacturer is also planning to launch a slightly cheaper model, dubbed the Galaxy A34 smartphone. Samsung hasn't revealed any specific details about the Galaxy A54 5G or the Galaxy A34 yet.

Read more at:

<https://www.indiatoday.in/technology/news/story/samsung-expected-to-launch-oneplus-11r-rival-in-india-next-week-check-details-2344491-2023-03-09>



Govt rethinking 'safe harbour' in Digital India Bill: How this could change internet landscape

(March 11, 2023)

The proposed law will impact a host of entities on the Internet, including social media, e-commerce, and artificial intelligence-based platforms. "Should online intermediaries be entitled to safe harbour at all," asked Minister of State for Electronics and IT Rajeev Chandrasekhar on Thursday as he presented a broad overview of the upcoming Digital India Bill – the proposed successor to the decades-old Information Technology Act, 2000.



Read more at: <https://indianexpress.com/article/explained/explained-sci-tech/digital-india-bill-new-law-internet-explained-8488748/>



SPORTS

Justin Fields reacts to acquisition of DJ Moore by Chicago Bears

(March 11, 2023)

Chicago Bears' star Justin Fields has reacted to his team's trading to pick wide receiver DJ Moore. Fields took to Instagram and posted "Yes sir" in response to the breaking news of Moore being acquired by Bears. Bears' fans are expecting Moore to do well for the new team as well. Moore's stats for Carolina Panthers in last few years has been surreal. Since being selected by the Panthers in 2018, Moore has achieved three 1,000-yard seasons and has never recorded less than 788 yards in a single season.

Read more at:

<https://www.hindustantimes.com/sports/others/justin-fields-reacts-to-acquisition-of-dj-moore-by-chicago-bears-101678521758440.html>



credited by: Getty Images

Sania Mirza: The girl who wouldn't give up

(March 12, 2023)

Of the many adjectives and epithets that got assigned to her in news headlines, [Sania Mirza](#) frowned at "overnight sensation" the most. This was when she won Junior Wimbledon doubles in 2003 at the age of 17. Her peeve, she would tell the media a few years ago, was that she had been training for nine years starting from the time she was six years old. That headline plastered over the photograph of her holding the trophy aloft made invisible her hard work and her struggles.

Read more at: <https://indianexpress.com/article/sports/tennis/sania-mirza-the-girl-who-wouldnt-give-up-8490456/>

In women's singles, winning All England title will be tougher than the Olympics

(March 10, 2023)

The 32-player field, which has five World Championship gold medallists and seven who have been world number 1, acquires difficulty that's greater than the Olympics, where a maximum of only the top two from any nation can contend for the podiums. Blasphemous as it sounds, but it might be easier to win the Olympics than it is to win the [All England](#) this year if you are a women's singles player. Let's take you on a breathless matrix of head-to-head scores of various contenders, that is the gold-churning cauldron called women's singles ahead of the Super 1000 tournament at Arena Birmingham, which begins on March 14.

Read more at: <https://indianexpress.com/article/sports/badminton/in-womens-singles-winning-all-england-title-will-be-tougher-than-the-olympics-8491565/>

Trial by fire: Protesting wrestlers return to mat, make the cut for Asian Championships

(March 12, 2023)

jolted in January after some of the top grapplers staged a protest against the Wrestling Federation of India (WFI) president Brij Bhushan Singh, accusing him of sexual harassment and intimidation. Most of the protestors, including the likes of Bajrang Punia, Ravi Dahiya, Vinesh Phogat and Sakshi Malik, have stayed away from competition citing different reasons. While they may be nursing injuries or at odds with those in power.



Read more at: <https://indianexpress.com/article/sports/sport-others/trial-by-fire-protesting-wrestlers-return-to-mat-make-the-cut-for-asian-championships-8491351/>

IOA panel probing sexual abuse allegations against WFI chief will submit report soon: PT Usha

(March 11, 2023)

"It (report) is not finalised, it is going on. We have met the players (wrestlers). The (IOA) committee will finalise and give the report to the IOA later," Usha said after presiding over the Annual General Meeting (AGM) of the IOA on Saturday. The committee formed by the Indian Olympic Association to probe sexual abuse allegations against sidelined WFI chief Brij Bhushan Sharan Singh is yet to submit its report and IOA president P T Usha said it is taking time since "it is a sensitive issue".

Read more at: <https://indianexpress.com/article/sports/sport-others/ioa-panel-probing-sexual-abuse-allegations-against-wfi-chief-will-submit-report-soon-pt-usha-8491305/>