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COORDINATOR: SHEHITHA SALIM (ASSISTANT PROFESSOR, DLISc)

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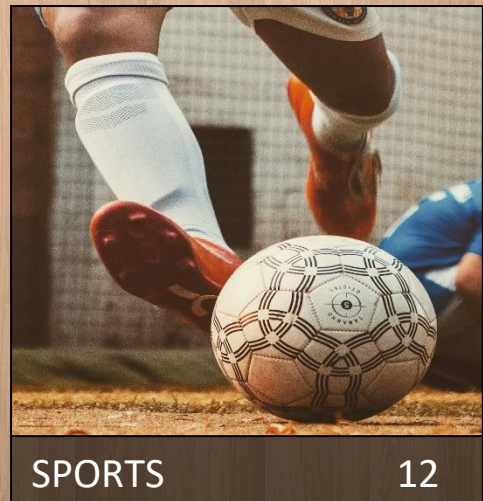
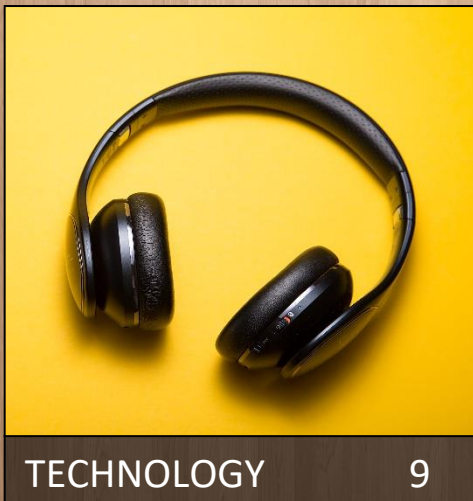


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SCIENCE



Biochemistry breakthrough may soon have asthmatics breathing easier.

(July 3, 2022)

An important discovery that could lead to more effective treatments for the world's 262 million asthma sufferers was recently made in research led by Edith Cowan University. To identify and better understand different subtypes of severe asthma, researchers analyzed urine samples from more than 600 participants across 11 countries as part of the U-BIOPRED study, a Europe-wide initiative. These new findings will help enable researchers to work towards new, more effective therapies for asthmatics.



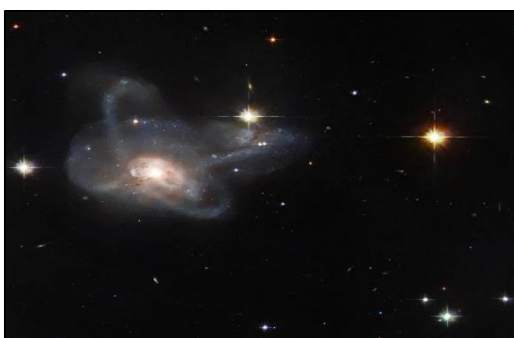
Representative Image

Read more at:

<https://scitechdaily.com/biochemistry-breakthrough-may-soon-have-asthmatics-breathing-easier/>

Hubble spies a galactic gem: Unusual multi-armed galaxy merger.

(July 3, 2022)



Credit: ESA/Hubble & NASA, W. Keel

Galaxy CGCG 396-2, an unusual multi-armed galaxy merger that lies around 520 million light-years from Earth in the constellation Orion, is captured by the Hubble Space Telescope observation. This observation is a gem from a citizen science project, known as the Galaxy Zoo project, in which hundreds of thousands of volunteers classified galaxies to help scientists solve a problem of

astronomical proportions — how to sort through the vast amounts of data generated by robotic telescopes.

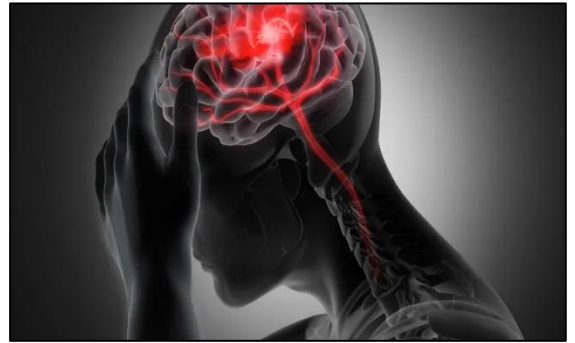
Read more at:

<https://scitechdaily.com/hubble-spies-a-galactic-gem-unusual-multi-armed-galaxy-merger/>

Discovery could inspire new way to detect brain abnormalities.

(July 5, 2022)

Scientists have taken a promising step towards a new generation of accurate, affordable and portable devices to detect concussion, epilepsy and dementia. The international research team developed a laser-based diamond sensor that can measure magnetic fields up to 10 times more precisely than standard techniques. Their innovation could help improve on existing magnetic-field sensing techniques for mapping brain activity to identify disorders.



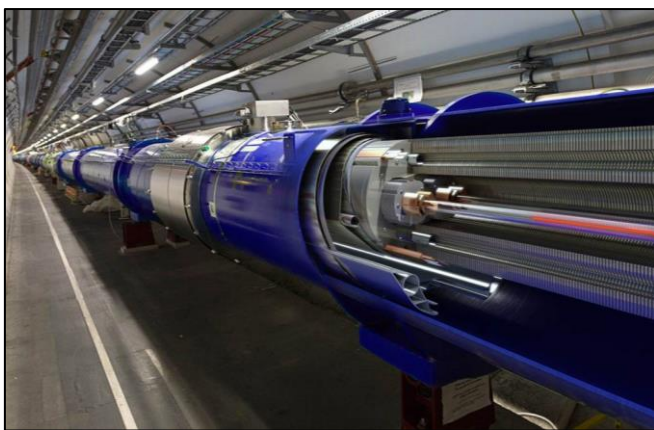
Credit: iStock, Peterschreibermedia

Read more at:

<https://www.sciencedaily.com/releases/2022/07/220705162228.htm>

Large Hadron Collider: Scientists at CERN observe three “exotic” particles for first time.

(July 7, 2022)



Credit: CERN

Scientists working with the Large Hadron Collider (LHC) have discovered three subatomic particles never seen before as they work to unlock the building blocks of the universe. The 27 kilometre-long (16.8 mile) LHC at CERN is the machine that found the Higgs boson particle, which along with its linked energy field is thought to be vital to the formation of the universe after the Big Bang 13.7 billion years ago.

Read more at:

<https://indianexpress.com/article/technology/science/large-hadron-collider-cern-scientists-discover-particles-pentaquark-tetraquark-8013025/>

Fastest known star orbits the supermassive black hole at the centre of our galaxy.

(July 7, 2022)

Researchers have discovered the fastest known star, which travels around a black hole and reaches speeds of around 8,000 kilometres per second. The star, named S4716, orbits Sagittarius A*, the supermassive black hole at the centre of the Milky Way Galaxy. It comes as close to 100 astronomical units (AU) to the black hole. One AU is 149,597,870 kilometres, but 100 AUs is a very small distance in this context.



Credit: NASA/JPL-Caltech/R. Hurt

Read more at:

<https://indianexpress.com/article/technology/science/fastest-known-star-orbits-supermassive-black-hole-s4716-8012344/>

Key building blocks for life discovered in cloud near center of our Galaxy.

(July 8, 2022)



Credit: Pablo Carlos Budassi

Nitriles, a class of organic molecules which is typically a toxic are also a key precursor for molecules essential for life on Earth. A team of scientists from Spain, Japan, Chile, Italy, and the United States show that a wide range of nitriles occurs in interstellar space within the molecular cloud G+0.693-0.027, which is located near the center of the Milky Way galaxy. The scientists defined it as key molecular precursors of the 'RNA World' scenario.

Read more at:

<https://scitechdaily.com/key-building-blocks-for-life-discovered-in-cloud-near-center-of-our-galaxy/>

ARTS



Credit: Unsplash

Peter Brook, a giant of international theatre whose stage work moved in sympathy with the visual arts, has died, aged 97.

(July 4, 2022)

Peter Brook, one of the most innovative and admired theatre directors of his time, whose stage work had a powerful symbiotic relationship with the visual arts of the past 75 years, has died. Brook remained the artistic director of the ICTR until 2011, and went on working to the end, publishing several recent volumes on theatrical performances. He was made Commander of the Order of the British Empire in 1965 and a Companion of Honour in 1983.



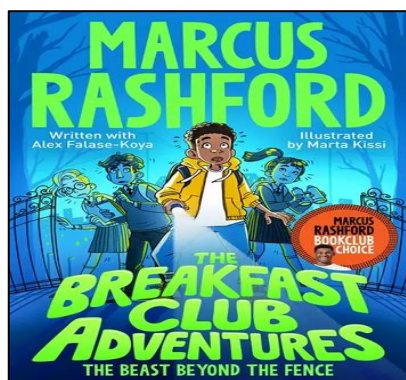
Credit: Thomas Rome/ Flickr

Read more at:

<https://www.theartnewspaper.com/2022/07/04/peter-brook-a-giant-of-international-theatre-whose-stage-work-moved-in-sympathy-with-the-visual-arts-has-died-aged-97>

Marcus Rashford Book Club to give away 50,000 books this summer.

(July 5, 2022)



Footballer Marcus Rashford's debut children's book, *The Breakfast Club Adventures: The Beast Beyond the Fence*, will be given to 50,000 children this summer as part of an initiative by his book club. The Marcus Rashford Book Club, which is run in partnership with Macmillan Children's Books, KPMG and The National Literacy Trust, will distribute the book to primary school children in the most economically deprived areas of the UK.

Read more at:

<https://www.theguardian.com/books/2022/jul/05/marcus-rashford-book-club-to-give-away-50000-books-this-summer-the-breakfast-club-adventures-the-beast-beyond-the-fence>

RRR beats Top Gun Maverick, The Batman to finish second best film at Hollywood Critics Association Awards 2022.

(July 5, 2022)



Credit: DVV Entertainment

SS Rajamouli's film RRR, featuring Ram Charan and Jr NTR, has been adjudged the second-best film at the Hollywood Critics Association Midseason Awards 2022. RRR was competing against Hollywood films like Top Gun: Maverick, The Batman, Elvis, and The Unbearable Weight of Massive Talent. Hollywood Critics Association announced that the award for the best film was given to Everything Everywhere All At Once.

Read more at:

<https://www.hindustantimes.com/entertainment/telugu-cinema/rrr-is-second-best-film-at-hollywood-critics-association-awards-2022-101656779034501.html>

In Bosnia, museum leaders debate how cultural institutions can unify war-torn nations.

(July 6, 2022)

In July, institutions 'Historical Museum of Bosnia and Herzegovina' and the 'Srebrenica Memorial Center' are jointly hosting *Why Remember? Peace, Conflict and Culture*, an international conference that will address some of the key questions facing post-conflict societies today. The conference seeks to highlight the systematic nature of genocide and how events like the Srebrenica massacre, which can appear spontaneous and chaotic from a distance, are often organised and managed by a core group of leaders.



The siege of Sarajevo

Credit: Paul Lowe/Panos Pictures

Read more at:

<https://www.theartnewspaper.com/2022/07/06/after-war-how-can-museums-keep-the-peace>

At 12, Ritaj Hussain Alhazmi became the world's youngest person to publish a book series, Guinness confirms.

(July 7, 2022)



Credit: Guinness World Records/Twitter

A 12-year-old Saudi Arabian author became the world's youngest person to publish a book series (female) and earned a Guinness World Record. Ritaj Hussain Alhazmi, of Saudi Arabia, was 12 years and 295 days old when Guinness World Records verified her achievement. Alhazmi, had published her first novel, Treasure of the Lost Sea, in 2019 and finished the year on a double high when she published the sequel, Portal of the Hidden World.

Read more at:

<https://www.timesnownews.com/viral/at-12-ritaj-hussain-alhazmi-became-the-worlds-youngest-person-to-publish-a-book-series-guinness-confirms-article-92717885>

Museum of Possibilities in Chennai shows way for disabled.

(July 7, 2022)

Chief Minister of Tamil Nadu M K Stalin inaugurated the Museum of Possibilities, which has several assistive and adaptive devices that would help persons with disabilities lead a normal life, at the Commissionerate For Welfare of the Differently Aabled on the Lady Willington campus. The museum showcases various adaptations and technologies that will help people with all kinds of disabilities to be independent. It was established by the State government at a cost of Rs one crore on about 2,500 sq feet area.



Credit: Museum of Possibilities/ Facebook

Read more at:

<https://www.newindianexpress.com/states/tamil-nadu/2022/jun/07/museum-of-possibilities-in-chennai-shows-way-for-disabled-2462542.html>

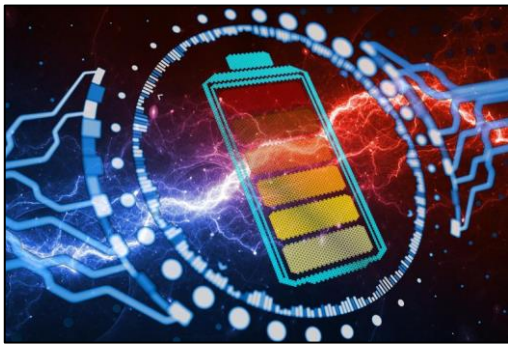
TECHNOLOGY



Credit: Unsplash

New lithium-ion batteries that work well in scorching heat and extreme cold.

(July 4, 2022)



Representative Image

Engineers at the University of California San Diego (UCSD) have developed new lithium-ion batteries that perform well at freezing cold and scorching hot temperatures, while still packing a lot of energy. According to the researchers, this feat was accomplished by developing an electrolyte that is not only versatile and robust throughout a wide temperature range, but also compatible with a high-energy anode and cathode.

Read more at:

<https://scitechdaily.com/new-lithium-ion-batteries-that-work-well-in-scorching-heat-and-extreme-cold/>

Computer chips that imitate the brain.

(July 5, 2022)

A multi-institutional collaboration, which includes the U.S. Department of Energy's (DOE) Argonne National Laboratory, has created a material that can be used to create computer chips that can do just that. It achieves this by using so-called "neuromorphic" circuitry and computer architecture to replicate brain functions. With this capability, artificial intelligence-based computers might do difficult jobs more quickly and accurately while using a lot less energy.



Representative Image

Read more at:

<https://scitechdaily.com/computer-chips-that-imitate-the-brain/>

KYC registration agencies to report all cyberattacks, threats, and breaches within six hours, says SEBI.

(July 6, 2022)



Credit: Gerd Altmann/ Pixabay

Capital markets regulator SEBI has asked the KYC Registration Agencies (KRAs) to report all cyberattacks, threats and breaches experienced by them within six hours of detecting such incidents. Capital markets regulator SEBI has asked the KYC Registration Agencies (KRAs) to report all cyberattacks, threats and breaches experienced by them within six hours of detecting such incidents. Additionally, the KRAs, whose systems have been identified as 'protected system' by National Critical Information Infrastructure Protection Centre (NCIIPC) will also report such incidents to NCIIPC.

Read more at:

<https://gadgets360.com/internet/news/sebi-threat-report-breach-cyberattacks-kyc-registration-agencies-cert-in-guidelines-3133631>

Google announces Startup School India Initiative; Aims to target 10,000 startups in smaller cities.

(July 6, 2022)

Google announced an initiative, Startup School India, that aims to organise accumulated knowledge into a structured curriculum to enable startups in small cities overcome various challenges. The curriculum will feature instructional modules on subjects such as shaping an effective product strategy, deep dives on product user value, building apps for next billion users in markets like India, driving user acquisition among others.



Credit: lex Tai/SOPA Images/LightRocket / Getty Images

Read more at:

<https://gadgets360.com/internet/news/google-startup-school-india-initiative-curriculum-nine-week-programme-3133259>

Google may be testing a new logo for the Play Store.

(July 7, 2022)



Credit: Google

Google has decided to change the logo after more than six years. The old icon which was used before 2016 had more shadows and was also placed everything in triangles, the report claims. As per the report, the company has maintained the triangle design but noticeably the corners of the new logo are much more rounded than the present one. Moreover, the four colours look more closely aligned with Google's colours which "is the clear trend and mandate of recent revamps," the report suggests.

Read more at:

<https://timesofindia.indiatimes.com/gadgets-news/google-may-be-testing-a-new-logo-for-the-play-store/articleshow/92718608.cms>

Even in death, Internet Explorer lives on in South Korea.

(July 9, 2022)

When Microsoft shut down Internet Explorer, or IE, on June 15, the company said it would start redirecting users to its newer Edge browser in the coming months. The announcement inspired jokes and memes commemorating the internet of yesteryear. But in South Korea, IE is not some online artifact. The defunct browser is still needed for a small number of critical banking and government-related tasks that many people cannot live without. South Korea's fealty to Internet Explorer, 27 years after its introduction and now into its retirement, presents a heavy dose of irony: A country known for blazing broadband and innovative devices is tethered to a buggy and insecure piece of software abandoned by most of the world long ago.

Read more at:

<https://indianexpress.com/article/technology/tech-news-technology/even-in-death-internet-explorer-lives-on-in-south-korea-8018491/>

SPORTS



Credit: Pxhere

Yupun Abeykoon completes 100m in 9.96sec; First South Asian sprinter to finish under 10 seconds.

(July 4, 2022)



Credit: Twitter

Yupun Abeykoon scripted history as he became the very first South Asian sprinter to finish a 100m race in less than 10 seconds. He ran the stretch in a shocking 9.66-second sprint in the Resisprint International World Athletics Continental Tour Challenger meet, held at La Chaux-de-Fonds, Switzerland. His achievement helps Sri Lanka enter the under-10 club.

Read more at:

<https://www.news18.com/news/sports/yupun-abeykoon-completes-100m-in-9-96sec-first-south-asian-sprinter-to-finish-under-10-seconds-5488267.html>

England smash records in seven-wicket win against India.

(July 5, 2022)

The Indian fans were left with a confirmation, sad vibes and a whole lot of records to look at that England claimed as they beat the visitors in the one-off Test in Edgbaston to finally wrap up the Test series that began last year 2-2. A chase that India wrapped up within 19.4 overs in the first session. Joe Root and Jonny Bairstow was involved in a major share of record-breaking as England sealed a spectacular chase in Birmingham.



Credit: ECB cricket/Twitter

Read more at:

<https://indianexpress.com/article/sports/cricket/england-smash-records-in-seven-wicket-win-against-india/>

At 34, Maria reaches Wimbledon semifinals for 1st time.

(July 6, 2022)



Credit: AP Photo

The first semifinalist at this year's Wimbledon is the oldest woman remaining in the draw. Maria is making her 10th appearance at the All England Club and has become only the sixth woman in the Open era to reach the Wimbledon semifinals after turning 34. Her best previous performance was reaching the third round in 2015. She never even made it that far at the other three major tennis tournaments. Maria is ranked 103rd in the world and was outside the top 250 as recently as March.

Read more at:

<https://indianexpress.com/article/sports/tennis/at-34-maria-reaches-wimbledon-semifinals-for-1st-time-8010953/>

From track and fields to the Rajya Sabha, P T Usha has a new role to play.

(July 7, 2022)

Sprint queen P T Usha, along with music maestro Ilaiyaraaja, acclaimed screenwriter V Vijayendra Prasad, and philanthropist and spiritual leader Veerendra Heggade, was nominated to the Rajya Sabha. Since her retirement in 2000, P T Usha has been a constant presence at national track and field meets along with her trainees from the Usha School of Athletics based in Kinalur in Kerala's Kozhikode. Usha expressed happiness over the honour and said that it was a recognition for the sports sector of the country.



Credit: Express Archive

Read more at:

<https://indianexpress.com/article/sports/from-track-and-fields-to-the-rajya-sabha-p-t-usha-has-a-new-role-to-play-8014328/>

Sports Ministry launches online portal for schemes, rewards, benefits.

(July 8, 2022)

Deserving athletes and former sportspersons will now not be required to run after national federations and government offices to get their rewards and dues as the Sports Ministry has made the processes online. Sports Minister Anurag Thakur on Friday launched three major initiatives of his department -- online portal for schemes of department of sports, national sports development fund (NSDF) website and revised scheme of cash award, national welfare and pension to sportspersons.

Read more at:

<https://timesofindia.indiatimes.com/sports/more-sports/others/sports-ministry-launches-online-portal-for-schemes-rewards-benefits/articleshow/92746787.cms>

HS Prannoy loses in Malaysia Masters semis, India's campaign over.

(July 9, 2022)

Star Indian shuttler HS Prannoy's rampaging run at the Malaysia Masters Super 500 tournament hit a roadblock as he slipped to a narrow three-game loss against Hong Kong's NG Ka Long Angus in a mistake-filled men's singles semifinal. It was heartbreak once again in the semifinals for the Indian as he squandered a one-game advantage to go down 21-17, 9-21, 17-21 against NG Ka Long after battling for an hour and four minutes at the Axiata Arena.



Credit: Getty Images

Read more at:

<https://timesofindia.indiatimes.com/sports/badminton/hs-prannoy-loses-in-malaysia-masters-semis-indias-campaign-over/articleshow/92768120.cms>

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