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[ESO unveils interactive 360 degree view of night sky](#) Sep 22, 2009

From this vantage point, the general components of our spiral galaxy come clearly into view, including its disc, marbled with both dark and glowing nebulae, which harbors bright, young stars, as well as the Galaxy's central bulge and its satellite galaxies. The painstaking production of this image came about as a collaboration between ESO, the renowned French writer and astrophotographer Serge Brunier, and his fellow Frenchman Frederic Tapissier. (Astronomy Now Online)

[Cosmic Ninjas: In Search Of Dark Asteroids](#) Sep 22, 2009

WISE will also help answer questions about the formation of stars and the evolution and structure of galaxies, including our own Milky Way galaxy ... For example, one theory posits that most of the stars in the universe were formed in the press of colliding galaxies ... When galaxies collide, interstellar clouds of gas and dust smash together, compressing the clouds and starting a self-perpetuating cycle of gravitational collapse. (Science Daily)

[Swift's portrait of Andromeda](#) Sep 22, 2009

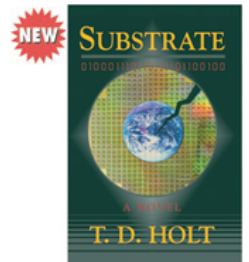
This so-called 'ring of fire' is thought to result from tides raised by the many small satellite galaxies in orbit around M31, which help boost the interactions within gas clouds that triggers new star formation. Swift is surveying nearby galaxies like M31 so astronomers can better understand star formation conditions and relate them to conditions in the distant galaxies where we see gamma-ray bursts occurring, says Neil Gehrels, the mission's principal investigator at NASA Goddard. (Astronomy Now Online)

[LOOKING UP: How to use a star map](#) Sep 21, 2009

Star atlases help telescope users find star clusters, galaxies and much more in the deep sky. These atlases are plotted with a much deeper magnitude of faint stars, below the normal +6th magnitude naked eye limit and shows thousands of stars you can only find with

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optical aid. (Medfield Press, MA)

[HINGHAM COLLEGE KID: Eagan mixes math, astronomy](#) **Sep 21, 2009**

He conducted a research project this summer titled Quantifying the Evolution of Ultra-luminous infrared galaxies (ULIRGs). ULIRGs are very bright galaxies that emit most of their total energy through infrared waves ... That's why he is studying astrophysics the application of graph theory and statistics to the study of galaxies will put him ahead of other graduate students who have not yet learned to channel their mathematical talents into something practical or research-oriented. (Hingham Journal, MA)

[Planck Sees Ancient Cosmic Light](#) **Sep 20, 2009**

Astronomers removed light from closer and better known galaxies and stars from pictures taken with the Spitzer Space Telescope. The remaining images. (Science Daily)

['Extraordinary results' expected from Hubble](#) **Sep 19, 2009**

Hubble has already started making new observations after its three-month checkout phase, with showing distant clusters of galaxies, an eerie "pillar of creation," a densely packed star cluster, and a "butterfly" nebula ... The new Deep Field will continue that effort in the hopes of seeing some of the earliest galaxies or proto-galaxies in the universe ... A big question in both astronomy and physics is the nature of dark matter and dark energy, Leckrone said: "What's causing the universe's... (MSNBC -- Technology)

[Invading Black Holes Explain Cosmic Flashes](#) **Sep 19, 2009**

7, 2009) Peering deep into the early universe, astronomers may have solved a longstanding cosmic chicken-and-egg problem -- which forms first -- galaxies or the black holes at their. . (Science Daily)

[The challenges of working with NeXters](#) **Sep 19, 2009**

Generation NeXters, according to Dr. Mark Taylor, a nationally recognized educator and expert on this group of young people, definitely bring to the table a set of personal characteristics that would tax even the most skilled professor, let alone one from the baby boomer generation who can seem galaxies apart from his students' world. Taylor, who has worked as a college professor, medical administrator and clinical psychotherapist, writes in Generation NeXt Goes to Work: Issues in Workplace... (Herald Online, SC -- Opinion)

[Best Ultraviolet Portrait Of Andromeda Galaxy](#) **Sep 17, 2009**

Previous studies have shown that tides raised by the many small satellite galaxies in orbit around M31 help boost the interactions within gas clouds that result in new stars ... "We expect an average of about one supernova per century in galaxies like M31," Immler said ... "Swift is surveying nearby galaxies like M31 so astronomers can better understand star-formation conditions and relate them to conditions in the distant galaxies where we see gamma-ray bursts occurring," said Neil Gehrels,... (Science Daily)

[NASA captures amazing view of Andromeda](#) **Sep 17, 2009**

Previous studies have shown that tides raised by the many small satellite galaxies in orbit

around M31 help boost the interactions within gas clouds that result in new stars ... "We expect an average of about one supernova per century in galaxies like M31," Immler said. (MSNBC -- Technology)

[Interactive, 360-degree Panoramic View Of Entire Night Sky](#) **Sep 16, 2009**

From this vantage point, the general components of our spiral galaxy come clearly into view, including its disc, marbled with both dark and glowing nebulae, which harbours bright, young stars, as well as the Galaxy's central bulge and its satellite galaxies ... From this vantage point, the general components of our spiral galaxy come clearly into view, including its disc, marbled with both dark and glowing nebulae, which harbours bright, young stars, as well as the Galaxy's central bulge and its... (Science Daily)

[Telescope Camera Peeks At Nest Of Black Holes](#) **Sep 16, 2009**

Astronomers will use FLAMINGOS-2 (FLAMINGOS is short for the Florida Array Multi-object Imaging Grism Spectrometer) to hunt the universe's first galaxies, view stars as they are being born, reveal black holes and investigate other phenomena ... Uniquely, FLAMINGOS-2 can take spectra of up to 80 different objects simultaneously, speeding astronomers hunt for old galaxies, black holes or newly forming stars and planets ... The second will probe the formation and evolution of galaxies across time,... (Science Daily)

[Double Nucleus Galaxies: Ravenous Black Holes](#) **Sep 15, 2009**

In a study published in the Monthly Notices of the Royal Astronomical Society, Swinburne researchers examined 50 regular galaxies to determine their composition and structure. The researchers, Associate Professor Alister Graham and Dr Lee Spitler, found that 12 of these galaxies contained a double nucleus -- that is, they had both a super massive black hole and a dense star cluster containing up to ten million stars at their centre ... Traditionally astronomers believed that most small galaxies... (Science Daily)

[Astrophysics: High Energy Galactic Particle Accelerator Located](#) **Sep 15, 2009**

Galaxies of this kind are referred to as active galactic nuclei. The MAGIC telescope. (Science Daily)

[Refurbished Hubble gets off to a flying start](#) **Sep 12, 2009**

New instruments included the Cosmic Origins Spectrograph (COS) which is set to map out the cosmic web of galaxies and gas clouds that span the Universe. It will gather the ultraviolet light of brilliant quasars that can be seen shining through this intervening cosmic web, and spectroscopy will reveal the composition of these galaxies and gas clouds ... By studying galaxies like Markarian 817, they can ascertain how massive a black hole needs to be before its radiation jets become so powerful... (Astronomy Now Online)

[detailed new pictures of the universe](#) **Sep 12, 2009**

These stunning images - taken by the rejuvenated Hubble space telescope - have captured the jewel-bright colours of colliding galaxies, exploding stars and glowing nebulae ... The new views include colourful far-flung galaxies, a densely packed star cluster and a butterfly-shaped nebula - the eruption of gas from a dying star ... Stephan's Quintet, also known as

Hickson Compact Group 92, as the name implies, is a group of five galaxies. (Harper's Magazine)

['Butterfly Nebula' catches Hubble's attention](#) **Sep 12, 2009**

Another image shows Stephan's Quintet, a group of five galaxies -- some of which are 290 million light-years away in the constellation Pegasus. Over time, those galaxies will eventually merge into a single big galaxy, O'Connell said. (CNN -- Tech)

[After repairs, new space images from Hubble unveiled](#) **Sep 11, 2009**

Among the images were gas flying from a dying star that looked like a butterfly spreading its wings, and a galaxy nearly 10 billion light years away whose image had been stretched and magnified by the gravity of a cluster of galaxies into a "dragon" shape. Examining such images, astronomers can study details of galaxies that existed before the Milky Way was born and chart the distribution of mysterious dark matter in the universe. (India Times, India - Health/Science)

[Star performer](#) **Sep 11, 2009**

Stephan's Quintet is a collection of colliding galaxies ... The Galaxy Cluster Abell 370: this is a cosmic "zoom lens" in the sense that its gravity magnifies the light from galaxies located far beyond. (BBC News -- Science)

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[Mize's car a moving tribute to his fallen brother](#) **Sep 11, 2009**

Mize said that his is one of just three 1971 Galaxies in Jackson County and the other two aren't driven regularly. Mize, a self-admitted classic car enthusiast, enjoys the stares along with the compliments he receives when he drives. (Athens Banner-Herald)

[ON THE WEB: See more images at NASA.gov/hubble](#) **Sep 11, 2009**

Fast-moving stars shed new light on how these distant galaxies, which are a fraction the size of our Milky Way, may have evolved into the full-grown galaxies seen around us today ... Nearly all galaxies may harbor supermassive black holes ... Hubble images of planets, stars, galaxies and more. (USA Today -- Tech)

[Hubble Opens New Eyes On The Universe](#) **Sep 10, 2009**

Topping the list of exciting new views are colorful multi-wavelength pictures of far- flung galaxies, a densely packed star cluster, an eerie "pillar of creation," and a "butterfly" nebula ... With its new imaging camera, Hubble can view galaxies, star clusters, and other objects across a wide swath of the electromagnetic spectrum, from ultraviolet to near-infrared light ... The resulting picture may reveal never-before-seen infant galaxies that existed when the universe was less than 500... (Science Daily)

[NASA's new Hubble Space Telescope](#) **Sep 10, 2009**

WASHINGTON: The freshly repaired and outfitted Hubble Space Telescope has spotted a

new butterfly-shaped galaxy and wisps of stardust containing the elements of life being recycled into new galaxies, NASA said on Wednesday ... "We believe that most of the matter in space is actually wispy filaments between the galaxies," James Green of the University of Colorado told the news conference ... The freshly repaired and outfitted Hubble Space Telescope has spotted a new butterfly-shaped galaxy and... (India Times)

[Newly Fixed Hubble's Initial Photos Again Amaze](#) **Sep 10, 2009**

of galaxies and nebulae are sharper than previous photos taken of the same places by Hubble before the upgrade. Some of the colorful images have brilliant glows of light that give them halos that to some people can appear heavenly. (W-USA News, DC)

[Superb vistas from reborn Hubble](#) **Sep 10, 2009**

The latest pictures include trademark Hubble visions - from colliding galaxies to dying stars ... It included dazzling pictures of galaxies headed for a pile-up, a star throwing off its outer layers, dense clouds of gas and dust, and a new pin-sharp look at the planet Jupiter ... 7 billion years - later confirmed by other instruments Hubble's ability to detect faint supernovae contributed to the discovery that the expansion rate of the Universe is accelerating Hubble was one of two telescopes to... (BBC News -- Americas)

[Hubble Back in Action With New Space Shots](#) **Sep 10, 2009**

The 10 images of galaxies and nebulae - clouds of stellar gas and dust - are sharper than previous photos taken of the same places by Hubble before its fifth and final upgrade ... The exception caught five spiral galaxies in a single image. (CBS News)

[Refurbished Hubble reveals cosmic wonder](#) **Sep 10, 2009**

The upgrade pushed the telescope to a new scientific summit, a perch from which astronomers can search for the earliest galaxies, unravel the mysteries of dark energy and dark matter and chart the planet-forming processes under way around other stars in the Milky Way galaxy. Recommend. (Yahoo! Asia News)

[Refurbished Hubble Telescope sends stunning images of the galaxy](#) **Sep 10, 2009**

WASHINGTON - NASA's Hubble Space Telescope, rebuilt by astronauts, has demonstrated its new powers with a stunning set of images of exploding stars, a stellar nursery, colliding galaxies, and the lensing effect of a galactic cluster nearly halfway across the universe ... Another image shows a cluster of galaxies known as Stephan's Quintet ... Two of the galaxies are melding like fried eggs plopped together in a pan. (Boston Globe)

[Hubble unveils its new vision](#) **Sep 10, 2009**

Sept. 9: The recently repaired telescope took images of galaxies and nebulae ... A new look at Stephan's Quintet, a set of clashing galaxies ... Other instruments provided fresh perspectives on far-off galaxies and new revelations about the cosmic stuff that exploding stars leave behind. (MSNBC -- Technology)

[Hubble improvements 'spectacular' after astronaut fix](#) **Sep 10, 2009**

9 trillion miles), and Stephen's Quintet, five close-packed galaxies. The newly released

images were taken as scientists finished calibrating the six instruments aboard Hubble. (USA Today -- Tech)

[> read more](#) **Sep 10, 2009**

"Topping the list of new views are colorful, multi-wavelength pictures of far-flung galaxies, a densely packed star cluster, an eerie "pillar of creation," and a "butterfly" nebula. Hubble's suite of new instruments allows it to study the universe across a wide swath of the light spectrum, from ultraviolet all the way to near-infrared. In addition, scientists released spectroscopic observations that slice across billions of light-years to probe the cosmic-web structure of the universe and map... (SkyAndTelescope.com)

[Space photos](#) **Sep 10, 2009**

Click through the highlights from Septembers outer-space imagery, including glittering galaxies as well as Earth's hurricanes viewed from on high. Marine biologists in Australia have discovered hundreds of new animal species in coral reefs in one of several projects to catalog all life in the oceans. (MSNBC -- Technology)

[Light at the speed of a bicycle and much more](#) **Sep 9, 2009**

From the use of adaptive optics to catch perfect images of distant galaxies or detailed representations inside bio-specimens of, for example, mouse embryos, to electromagnetically induced transparency which can slow light to the speed of a bicycle - the field of optics and photonics is in the scientific vanguard. The Institute of Physics (IOP) and the Engineering and Physical Sciences Research Council (EPSRC) are launching a new report today, Wednesday, 9 September, entitled Optics and... (EurekAlert!)

[LOOKING UP: The moving Universe, as we see it](#) **Sep 7, 2009**

If you use a backyard telescope and start locating distant star clusters or galaxies, you find them in their expected position in comparison to nearby foreground stars, as if they don't move at all ... Yet, those star clusters and galaxies are moving at great speed. (Medfield Press, MA)

[Milky Way's Not-so-distant Cousin](#) **Sep 6, 2009**

Other observations have revealed that NGC 4945 has an active galactic nucleus, meaning its central bulge emits far more energy than calmer galaxies like the Milky Way ... Since then, astronomers have come to suspect that supermassive black holes cause the turmoil in the centre of Seyfert galaxies ... Most large, spiral galaxies, including the Milky Way, host a black hole in their centres, though many of these dark monsters no longer actively feed at this stage in galactic development. (Science Daily)

['Aliens' in Exeter!](#) **Sep 6, 2009**

"About a dozen kids and adults marched in a parade from the park to Town Hall, following sidewalks filled with chalk drawings of spaceships and aliens. Sharon Taylor of the Weeks Public Library in Greenland led the parade down Water Street, singing about galaxies and calling "live long and prosper" to bemused sidewalk patrons. Kitty Mervine of Antrim, N.H., walked behind the children in the parade. She runs a site called BadAlien.org to help people

who believe they've been abducted by... (Seacoast New Hampshire)

[Cosmic Encounter: Neighboring Galaxies Collided](#) **Sep 5, 2009**

Their study indicates that the Andromeda and Triangulum galaxies, the two galaxies closest to our own, collided about two to three billion years ago ... The encounter forever changed the structure of the galaxies, says Dr. Widrow, a professor of Physics, Engineering Physics and Astronomy at Queen's. The collision between the galaxies appears to have caused millions of stars to be ripped from the Triangulum disk to form a faint stream visible in the PAndAS data ... The Pan-Andromeda Archeological... (Science Daily)

[Cosmic collision changed galaxies' structure](#) **Sep 5, 2009**

Cosmic collision in our neighbourhood changed galaxies - Science - NEWS - The Times of India ... Cosmic collision in our neighbourhood changed galaxies ... TORONTO: Andromeda and Triangulum, the two galaxies closest to our own, collided two to three billion years ago, changing the galactic structure, according to evidence unearthed by astronomers. (India Times, India)

[The Second Tier of the Greatest Sci...](#) **Sep 5, 2009**

He cataloged distant stars and realized that they were galaxies. Moreover, in his observations he saw that they were moving away from the Milky Way. (Suite101.com)

[Galactic cannibalism on our cosmic doorstep](#) **Sep 5, 2009**

A new study has found evidence for the Andromeda Galaxy having gobbled up other nearby galaxies, and the Triangulum Galaxy is next on the menu ... Theories of galaxy formation state that galaxies evolve and grow by absorbing smaller galaxies, but finding evidence for this cannibalistic act is difficult, since structures are often faint and the search requires looking over an area hundreds of times larger than the main disc at the galaxy's centre ... Furthermore, structures seen on the fringes... (Astronomy Now Online)

[The Milky Way's not-so-distant cousin](#) **Sep 5, 2009**

Astronomers classify NGC 4945 as a Seyfert galaxy, after American astronomer Carl Seyfert, who first identified this family of galaxies as a subclass of active galactic nuclei to have curious light signatures emanating from their central engines ... Most large spiral galaxies, including the Milky Way, host a black hole in their cores, though many of these monsters are at a stage of their lives where they no longer actively feed. (Astronomy Now Online)

[Milky Way will be 'puffed up' not ripped apart](#) **Sep 5, 2009**

The fate of our Milky Way Galaxy has long been thought to lie in future collisions with our neighbouring galaxies, such as the massive Large and Small Magellanic Clouds, which will rip our Galaxy apart ... Astronomers suspect that all galaxies are embedded within massive and extended halos of dark matter ... "We can't know for sure what's going to happen to the Milky Way, but we can say that our findings apply to a broad class of galaxies similar to our own," says Kazantzidis. (Astronomy Now Online)

[Become a fan](#) **Sep 4, 2009**

Space is probably infinite, but we can see only the part that contains stars or galaxies whose light has been able to reach us, says Francis Halzen, a professor of physics. Bacteria have vastly different survival abilities, says Jeri Barak, an assistant professor of plant pathology at UW-Madison. (Why Files)

[UH receives \\$891K for ocean/science research](#) **Sep 3, 2009**

"Understanding the ecosystem of the ocean and the galaxies that fill the vast expanse of space will lend insight into the world we occupy," Inouye said. "These funds will help the University of Hawaii take advantage of the state's unfettered access to the sea and the view through telescopes perched atop Hawaii's highest peaks." (Honolulu Advertiser)

[Andromeda is a cannibal and heading our way](#) **Sep 3, 2009**

Astronomers have long suspected Andromeda of being a space predator, consuming dwarf galaxies that wander too close ... Stars and dwarf galaxies that got too close to Andromeda were ripped from their usual surroundings ... Astronomers have known for decades that galaxies consume each other, sometimes violently, sometimes just creating new mega-galaxies. (MSNBC -- Technology)

[How many galaxies have humans discovered?](#) **Sep 2, 2009**

How many galaxies have humans discovered ... How many galaxies have humans discovered ... In contrast, there are but 4 billion stars in our own galaxy, the Milky Way and the number will keep growing for some time before we run out of galaxies to count. (Why Files)

[Most Distant Supermassive Black Hole](#) **Sep 2, 2009**

Knowledge of the host galaxies of supermassive black holes is important in order to understand the long-standing mystery of how galaxies and black holes have evolved together ... host galaxies in the distant Universe has been extremely difficult because the blinding bright light from the vicinity of the black hole makes it more difficult to see the already faint light from the host galaxy ... universities, and at the Institute of Space and Astronautical Science, a part of JAXA, the Japanese... (Science Daily)

[Precise Radio-Telescope Measurements Advance Frontier Of Gravitational Physics](#) **Sep 2, 2009**

The researchers made their observations as the Sun passed nearly in front of four distant quasars -- faraway galaxies with supermassive black holes at their cores -- in October of 2005 ... 14, 2006) The stars and gas which are seen in galaxies account for only a few percent of the gravitating material in the Universe ... How do galaxies, stars and planets form and. (Science Daily)

[Can Magnetism Save a Vaporizing Planet?](#) **Sep 2, 2009**

In 1955, using an early radio array made up of wire strewn across a farmer's field on the north shore of the Potomac River, the pair set about scanning the skies for signs of radio waves from distant stars and galaxies. What they got instead to their surprise and everyone else's were regular bursts of static from Jupiter, which happened to be high above the

horizon at the time. (SkyAndTelescope.com)

[How big is space?](#) **Sep 2, 2009**

Space is probably infinite, but we can see only the part that contains stars or galaxies whose light has been able to reach us, says , a professor of physics. The universe originated about 13. (Why Files)

[Acoustic Tweezers Can Position Tiny Objects](#) **Sep 1, 2009**

Astronomers removed light from closer and better known galaxies and stars from pictures taken with the Spitzer Space Telescope. The remaining images. (Science Daily)

[Infrared eye to help search for asteroids](#) **Sep 1, 2009**

Other WISE targets include brown dwarfs, which are Jupiter-sized stars that never got their nuclear fusion engines running and ultra-luminous galaxies, which pump out the equivalent of about 1,000 sun-sized stars every year. These galaxies are among the most luminous objects in universe, said WISE lead scientist Edward Wright ... WISE should be able to spot these galaxies back to when the universe was about 2 billion years old. (MSNBC -- Technology)

[California Wildfires Scorch 150 Miles, No Rescue For 5 Evacuation Holdouts One fire official said, "It is burning everywhere."](#) **Sep 1, 2009**

The Mount Wilson Observatory, a fixture in Southern California since its founding in 1904, is responsible for discovering the existence of "countless galaxies," and is home to the world's largest publicly accessible telescope, the. 1. (ABC News)

[The Hubble Space Telescope](#) **Sep 1, 2009**

NASA wanted to study the stars and galaxies using different wavelengths of the electromagnetic spectrum. The same object would give off different features that could not be captured by light alone. (Suite101.com)

[Blazethreatens historic science hub](#) **Sep 1, 2009**

In 1925, Hubble proved that the Milky Way is one of many galaxies and then found that we aren't even at the center of our own galaxy, Freedman said. Hubble in 1929 used Mount Wilson to confirm that the universe is expanding. (MSNBC -- Environment)

[Is The Milky Way Doomed To Be Destroyed By Galactic Bombardment? Probably Not, Study Says](#) **Sep 1, 2009**

31, 2009) As scientists attempt to learn more about how galaxies evolve, an open question has been whether collisions with our dwarf galactic neighbors will one day tear apart the disk of the Milky Way ... The finding solves two mysteries: the likely fate of the Milky Way at the hands of its satellite galaxies -- the most massive of which are the Large and Small Magellanic Clouds -- and the origin of its puffy edges, which astronomers have seen elsewhere in the universe and dubbed flares (Science Daily)

[The Compton Gamma Ray Observatory](#) **Aug 31, 2009**

This is where gamma rays are studied from active galaxies, radioactive supernova remnants, and diffuse gamma rays from giant molecular clouds ... It was 10 to 20 times larger and more sensitive than previous detectors and made detailed observations of high-energy processes associated with diffuse gamma-ray emission, gamma-ray bursts, cosmic rays, pulsars, and active galaxies known as blazars. (Suite101.com)

[CMU professor investigates black holes](#) **Aug 31, 2009**

The computer simulations Dr. Di Matteo and others carried out have been critical for understanding the growth of the massive black holes that sit in the center of galaxies ... When they watched that simulated universe evolve to the point where galaxies began to form, Dr. Di Matteo and her fellow cosmologists discovered that there should have been many more stars in each galaxy than there actually were ... Many of the universe's largest black holes formed when galaxies slammed into each other,... (Pittsburgh Post-Gazette, PA)

[Star-birth Myth 'Busted'](#) **Aug 30, 2009**

30, 2009) An international team of researchers has debunked one of astronomy's long held beliefs about how stars are formed, using a set of galaxies found with CSIRO's Parkes radio telescope ... Most of the light we see from galaxies comes from the highest mass stars, while the total mass in stars is dominated by the lower mass stars ... Results for different galaxies can be compared only if the IMF is the same everywhere, but Dr Meurer's team has shown that this ratio of high-mass to low-mass... (Science Daily)

[China, U.S. discuss co-op on world's largest telescope](#) **Aug 29, 2009**

The telescope, with a mirror 30 meters in diameter, will have the sharpest view possible of the universe and will pick up images of galaxies and stars forming 13 billion light years away. The telescope will be located atop Mauna Kea, Hawaii. (Xinhuanet, China)

[Dimensional Shift and 2012](#) **Aug 27, 2009**

We need to have positive thoughts, not for ourselves alone but for everyone, humanity, Mother Earth and the entire galaxies. We want a world of no sicknesses and diseases. (Ghana Web, Ghana)

[The Andromeda Galaxy](#) **Aug 24, 2009**

Together these two galaxies dominate the neighborhood cluster of 35 galaxies called the Local Group ... The outer disk emits nearly 10 percent of the galaxy's total light and it could be comprised of metal-poor stars that were stripped from smaller galaxies that strayed too close to the main disk ... The conventional wisdom about the center of galaxies is that they are populated with a black hole. (Suite101.com)

[SARS spurs China to act on AIDS](#) **Aug 24, 2009**

The Milky Way should be surrounded by thousands of tiny galaxies, but we've only seen about two dozen. That spells trouble for gravity as we know it. (Yahoo News -- SARS)

[IGN.ImageLoader.delayByView\("hub_spotlight5",
"http://faqsmedia.ign.com/faqs/image/item/220/2209024/maplestory_122404_spot.jpg"\);](#) **Aug**

23, 2009

Some towns have a port where you can take ships to other regions but these ships are few and far between, and the trip is extremely long. If you thought that the old Star Wars Galaxies shuttle waits were ridiculous, or that World of Warcraft gryphons were unbelievably slow, MapleStory fans will tell you that you're spoiled. Ships leave the ports at the top of the hour and every 10-15 minutes from then on, and each trip takes 5-10 minutes port-to-port. (IGN PC Games)

[Mysterious Origins: 8 Phenomena That Defy Explanation \[Slide Show\]](#) **Aug 22, 2009**

A UNIVERSE OF MYSTERIES: Why aren't there suns, planets and galaxies made of antimatter. NASA. (Scientific American)

[LOOKING UP: Watch a star and measure the Universe](#) **Aug 22, 2009**

Astronomers do have a celestial yard stick which has been used since the early 20th century to tell the distances of star clusters and nearby galaxies, and thereby gauge the immensity of the Universe before us every time the clouds part at night ... In the early 20th century, American astronomer, Henreitta Leavitt, was studying numerous Cepheid variable stars in one of our satellite galaxies, the Small Magellanic Cloud ... There were different opinions about the faint fuzzy spots that today we... (Medfield Press, MA)

[Seeing The Cosmos Through 'Warm' Infrared Eyes](#) **Aug 21, 2009**

"Spitzer continues to provide us with a unique view of stars, galaxies and planets," said Spitzer Project Scientist Michael Werner, NASA's Jet Propulsion Laboratory, Pasadena, Calif ... "With Spitzer's remaining shorter-wavelength bands, we can continue to see through the dust in galaxies and get a better look at the overall populations of stars," said Robert Hurt imaging specialist for Spitzer at NASA's Spitzer Science Center, California Institute of Technology ... on August 25, 2003, Spitzer... (Science Daily)

[Super planetary nebula](#) **Aug 21, 2009**

In a new survey, led by Miroslav Filipovic from the University of Western Sydney, a team of astronomers studied the Magellanic Clouds, two neighbouring galaxies of the Milky Way. Using the radio telescopes of the Australian Telescope National Facility, they discovered that 15 strong radio sources married up with well known planetary nebula identified in optical telescopes. (Astronomy Now Online)

[Chandra's First Decade of Discovery Symposium](#) **Aug 21, 2009**

These results include The Cosmic Evolution of AGN (Active Galactic Nucleus), AGN outflows, evolutionary processes in galaxy cluster, and our understanding of normal galaxies including Earth's own galactic center. More locally, high-resolution studies of compact objects, supernova remnants and star-forming regions have led to changes in human understanding of the stellar life cycle. (NASA Watch)

[Dark Energy From The Ground Up: Make Way For BigBOSS](#) **Aug 21, 2009**

Baryon is cosmology-speak for ordinary matter, and acoustic oscillation is a fancy name for the way galaxies tend to bunch up at roughly 500 million light-year intervals ... The denser

regions, where matter was clumped more tightly, were the seeds of today's galaxies and groups of galaxies ... The ruler is extended forward in time by measuring variations in the density of galaxies especially old, bright, red galaxies and quasars across billions of light-years. (Science Daily)

[Your Travels: Australian Outback and more](#) **Aug 20, 2009**

We saw the Southern Cross and many of the galaxies of the Milky Way twinkling overhead. Alice Springs is the city in the geographical heart of Australia. (AZCentral -- Travel)

[Scientists Make First Discovery Using Revolutionary Long Wavelength Demonstrator Array](#) **Aug 20, 2009**

How do galaxies, stars and planets form and. . (Science Daily)

[Variability Of Type 1a Supernovae Has Implications For Dark Energy Studies](#) **Aug 20, 2009**

The study, which compared supernovae in nearby galaxies. (Feb. (Science Daily)

[Galaxies Demand A Stellar Recount](#) **Aug 20, 2009**

"We tried to understand properties of galaxies and their mass by looking at the light we can see," Meurer said. But this common assumption has been leading astronomers astray, said Meurer, especially in galaxies that are intrinsically small and faint ... The same can be said of galaxies, whose speckles of light in the dark of space can be misleading. (Science Daily)

[Particles As Tracers For Milky Way's Most Massive Explosions: 'Dark Matter' Origins Of Mysterious Flux Challenged](#) **Aug 20, 2009**

Several theories were presented that suggested that these particles arise from the decay of "dark matter" - the hypothetical material that is believed to influence the rotation of galaxies ... Astronomers removed light from closer and better known galaxies and stars from pictures taken with the Spitzer Space Telescope. (Science Daily)

[Dark Energy's Demise? New Theory Doesn't Use the Force](#) **Aug 19, 2009**

From our viewpoint, other galaxies outside this region appear to have moved farther away than expected, when really they're right where they should be. "If correct, these solutions can account for the anomalous accelerated expansion of galaxies without dark energy," said study team member Blake Temple of the University of California, Davis. (National Geographic)

[The Origin of the Universe](#) **Aug 19, 2009**

The first microsecond was the formative period when matter came to dominate over antimatter, the seeds for galaxies and other structures were planted, and dark matter (the unidentified material that holds those structures together) was created ... The advances were driven equally by powerful ideas from Einstein's general relativity to modern theories of the elementary particles and powerful instruments from the 100- and 200-inch reflectors that George Ellery Hale built, which took us beyond our... (Scientific American)

[NASA to launch infrared survey explorer in December](#) **Aug 18, 2009**

Orbiting around Earth, WISE will scan the entire sky at infrared wavelengths, unveiling hundreds of thousands of asteroids, and hundreds of millions of stars and galaxies, according to NASA. ... More distant finds will include nurseries of stars, swirling planet-building disks and the universe's most luminous galaxies billions of light-years away ... The data will help answer fundamental questions about how solar systems and galaxies form, and will provide the astronomical community with... (Xinhuanet, China)

[Mystery solved: Dark energy isn't there](#) **Aug 18, 2009**

Discovered in 1998 with the finding that exploding stars in distant galaxies are spreading away from us at an increasing speed, dark energy has puzzled cosmologists for a decade, unable to understand a force that acts across vast distances to push stars apart ... 7 Billion years ago, are propelling the trillions of galaxies filling the universe apart, suggests the study ... By Dan VerganoPhoto: These snapshots, taken by NASA's Hubble Space Telescope, reveal five supernovae, or exploding stars,... (USA Today -- Tech)

[Planck Sees Light Billions Of Years Old](#) **Aug 17, 2009**

10, 2009) Europe's Herschel and Planck missions that will study the formation of stars and galaxies and the relic radiation from the Big Bang, respectively, have successfully completed their test campaigns in ... Astronomers removed light from closer and better known galaxies and stars from pictures taken with the Spitzer Space Telescope. (Science Daily)

[Astronomers identify super planetary nebula](#) **Aug 15, 2009**

A team of scientists in Australia and the United States identified the new objects when they surveyed the , the two companion galaxies to the Milky Way, with radio telescopes of the Commonwealth Scientific and Industrial Research Organization Australia Telescope National Facility. advertisement. (MSNBC -- Technology)

[First black holes starved at birth](#) **Aug 15, 2009**

The finding, based on the most detailed computer simulations to date, counters earlier ideas that these first black holes accumulated mass quickly and ballooned into the that lurk at the centers of many galaxies today ... Whatever happened, the researchers think that these trailblazing black holes may have played an important part in shaping the evolution of the first galaxies. (MSNBC -- Technology)

[Tiger takes early lead](#) **Aug 14, 2009**

He also hits the ball into distant galaxies. Quiros played in the group behind Woods, Beem and Padraig Harrington on Thursday. (San Francisco Chronicle -- Sports)

[Astronomy: Black-sky thinking](#) **Aug 14, 2009**

What it shows instead is almost 3,000 galaxies, some of which are the most distant (and hence the youngest) ever observed. The image demonstrates that the universe is, indeed, uniform over large scales and that the Earth occupies a typical region of it. (The Economist)

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