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5 Things You Can Do to Help Recall Your Dreams

Chandrayaan-1 India's First Mission to Moon

**MOTHMAN** 

Alien or Spiritual Being?

Scientist/Astronaut Edgar Mitchell: "UFOs are real and we are not alone"

Was it all a

A History of the Lunar Landings

The Miraculous Event of the Solar Eclipse Haunted Lighthouses & Haunted Ships



#### The Fall for Cherish

The Autumn falls away Like crushed glass Fading into September Past the Jack O'Lantern grins of October The cool wind whips in Ice and rain soaking grass The leaves blow and dance Kiss of your vampire lips Biting until the end Holding you in a dark embrace While the moon is full again Walking through the trails A fox runs by slick as December They laugh whilst walking past the cemetery Romance fully blossomed like a fresh picked rose Craving her in his arms always

Craving her in his arms always
Past the storms of life's obstacles
The whole wide world spinning
Out of control but we don't care
Slivers of snow on our coats
The ocean with its wintery tides
Frosting the beach and all of life
Always loving you through the thick and
thin

Past the confused acts of mind and body
Listen to the soul and heart
It's soft whisper the voice of angels
The Fall is silently in the air
Melting away summer
With a simple stare
All I do is dream of you
Past the nightmares of the devil's horses
Gods and Goddesses on high
Staring down at immortal love
Nothing much is left
But visions of the future
Swirling in my head
Don't let go even if the Imps tell you to

Listen to the crying cherubs instead
They will not lead you astray
Eternal infinite stars
Lights in the skies mark the way
I love you mutters from his lips
Even on his last dying day
A ghost could not even forget
The passion you brought to this earthly life
Before the Fall

Jeffery Pritchett



# HAPPY HALLOWEEN



#### Five Things You Can Do to Help Recall Your Dreams

What is ESP and How Does it Happen 8

The Miraculous Event of the Solar Eclipse

A History of the Lunar Landings

Therianthropy: Urban Legend or Mystic Reality 14

**Extraterrestrial Life** 

17

Chandrayaan-1: India's First Mission to Moon

Edgar Mitchell: "UFOs are real and we are not alone" 30

10 Steps to Full Enlightenment

#### **Impaled**

38

#### **Bay Area Haunts Paranormal Investigation Group: Purissima**40

**2012: Sun Storms and Cosmic Radiation**42

Haunted Lighthouses: The St. Augustine Lighthouse

Gov. Symington Admits To Seeing "Craft Of Unknown Origin" 49

Mothman: Alien or Spiritual Being? 52

Haunted Ships: The Queen Mary 54

Aliens, UFOs, Alien Abductions, & Close Encounters
58

When Science-fiction Becomes Reality



One of the most difficult aspects of dreams and dream interpretation is the seemingly simple task of recalling your dreams. I've heard many people claim that they don't dream most nights. They actually do. It's just that they don't recall the dreams.

At the Christian University and Online Bible College I teach at, we teach about dreams and dream interpretation. If you believe dreams can be important and can contain valid messages as I do, then you must first overcome of the obstacle of forgetting what you have dreamed.

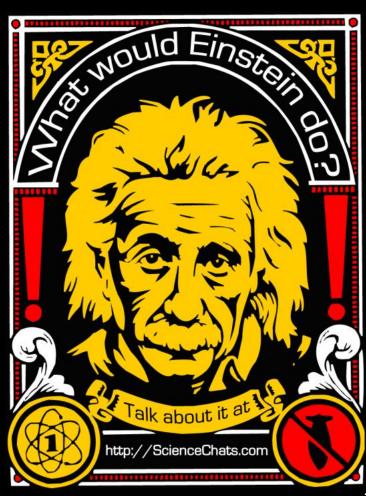
Below are five things you can do to help you recall your dreams:

- 1. Say to yourself, "I believe dreams contain a valid message." This is a signal to your heart that you are taking it seriously and want to hear what it has to tell you. You are giving it permission, and even asking it to awaken you after each dream. Your heart will do exactly that. You see, if you do not awaken within five minutes of the dream ending, you will not recall it. If, however, you tell your heart that dreams are leftover undigested pizza, then you heart lets you sleep through the dream and doesn't awaken you after it is over, and thus you do not recall it.
- 2. Ask God to speak to you through dreams as you fall asleep. Sure it sounds simple enough, but remember God does answer prayers, especially when prayed in accordance to His will! So ask Him to speak to you and ask Him to help you remember your dreams.
- 3. Put your journal beside your bed and immediately record your dreams upon awakening. This is a standard practice when dealing with dreams. For some reason, you will forget most of your dreams within a few minutes to an hour. So, get up and write them down immediately when you awaken.
- 4. Get eight hours of sleep. You sleep in four hour cycles. Within those four hours your body goes through several phases of sleep. Only during the last phase do you

dream. By making sure you complete you sleep cycle by sleeping a full eight hours, you ensure that the entire last hour will be dream-time.

5. Awaken naturally, without the use of an alarm clock. Alarms shatter dream recall and blast tidbits of dreams into oblivion where they are never found.

Similarly, other types of distractions such as television, radio, or even people can cause you to quickly forget your dreams. Make sure you wake up naturally in a distraction free environment and be sure to write down your dreams in a journal immediately before anything can distract you.



# What is E.S.P & How Does it Happen?

Keith Ward

Psi is the collective term for various hypothetical mental abilities (called extrasensory perception or E.S.P.), along with other paranormal phenomena.

If you have thought seriously about E.S.P, and developing it, you must know that it is a prerogative of your subconscious mind and for it to develop; your conscious, waking mind should take a backseat.

The common way to initiate this is to relax your mind to the extent of pushing it beyond waking consciousness, so it reaches to a floating, dreamlike state. When this is completed, your subconscious will automatically begin perceiving your suggestions and E.S.P. will set in. Look up audio files on the net which can help you reach this state of mind, the altered state that favors E.S.P.

These are the major types of E.S.P.:

- Telepathy: The ability to read the minds of other people.
- Clairvoyance: The ability to "see" events or objects happening somewhere else.

- Precognition: Similar to Divination, the ability to see the future.
- Retrocognition: The ability to see the distant past.
- Mediumship: The ability to channel and connect with dead spirits.
- Psychometry: the ability to read information about a person or place by touching a physical object
- Telekinesis: the ability to affect the material world with the mind alone is a psi phenomenon too, though not strictly E.S.P.

The idea behind E.S.P has been around for centuries, only in different forms. The modern concept began to take shape only recently, the beginning of 20th century onwards. The bottom-line behind this is that the human mind can perceive matters beyond the scope of known bodily senses. 1934 saw the coinage of the term E.S.P by Duke University professor J. B. Rhine, one of the most eminent researchers in the field of paranormal psychology.

The possession of Extra Sensory abilities is a widely debated topic. Some

people are of the opinion that everybody possesses them and experiences involuntary moments of manifestation. Others will say that only a handful of psychics, shamans or mediums are blessed by it. The widely agreed upon belief though, is that all of us have the potential for E.S.P, only some of us are more in tune to our subconscious and hence to our Extra Sensory Perceptions than others are.

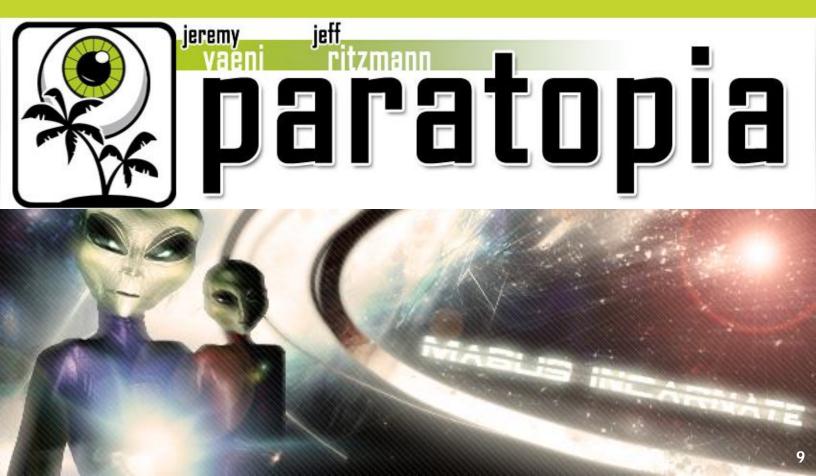
Debates also run about how this actually works. One theory says that, like our ordinary senses, ESP is energy moving from one point to another point.

This energy is then electromagnetic wave-like in nature, similar to light, radio and X-rays, which have not been physically detected, but are just streams of packets of energy.

Like other other-worldly concepts, even E.S.P has no concrete scientific basis. Believing in it is a bit like believing in God. It needs faith more than facts. But once you begin believing, it can work wonders. The existence and reach of this has been proven the world over time and again and it is truly wonderful once it begins to manifest.

#### PARATOPIA

Exploring the high strangeness of the Paranormal, with experiencers Jeff Ritzmann and Jeremy Vaeni



#### The Miraculous Event

Since man has walked the earth, he has wondered about the world around him. And nothing is more mysterious than the skies above. From the common occurrence of falling stars to the rarely seen eclipses, ancient man has tried to explain why it happened. At the beginning, eclipses were seen as a sign. The meaning of the sign the depended on interpreter.

Eclipses have been connected to historical events and have been seen as a mysterious connection to war, births and UFOs. Ancient Mayan Priests, in 755 A.D., prophesied that a eclipse would total happen on July 11, 1991. And this eclipse would make two very life changing events take place on that date.

"Cosmic Awareness" and "Earth Changes" are the events that took place. Like clockwork, on July 11, 1991 a total

of the Solar Eclipse Shawna Ruppert solar eclipse took place at 1:00pm over Mexico City, Mexico. Of course, with this eclipse, came a UFO. At least 17 people in different areas videotaped the eclipse and the UFO. Yet, astronomers from around the world came to Mexico City for the once in a lifetime event and never mentioned a UFO.

If you are playing a Solar Eclipse Trivia game, and a question comes up on the Solar Eclipse Quiz about Xerxes and his relationship with a solar eclipse, what are you going to reply? Something about the movie 300? No, you are going to talk about the annular eclipse of 478 BC. On February 17, 478 BC, Herodotus recorded an eclipse would occur and, while Xerxes departed from his campaign against Greece, he saw the eclipse.

An eclipse is truly an event to see. It can happen 4 to 7 times in a year but almost always in different spots of the world. It even has its own season. These times that eclipses form is

called Eclipse Seasons. When the moon orbits around the earth and gets in direct line between the Sun and the Earth, an eclipse happens. The sun's light is blocked out because of the moon's shadow traveling over the surface of the earth.

There are 3 types of solar eclipses: total, partial and annular. The eclipses total happen when the entire sun is blocked out and the sky darkens. Even looking at the partial eclipse can blindness. The cause partial eclipse happens when part of the sun is blocked. The annular eclipse occurs as a tiny, ring-like light, where the color silver can be seen.





what will **you** scoop today?

#### Are you ready?



They are.

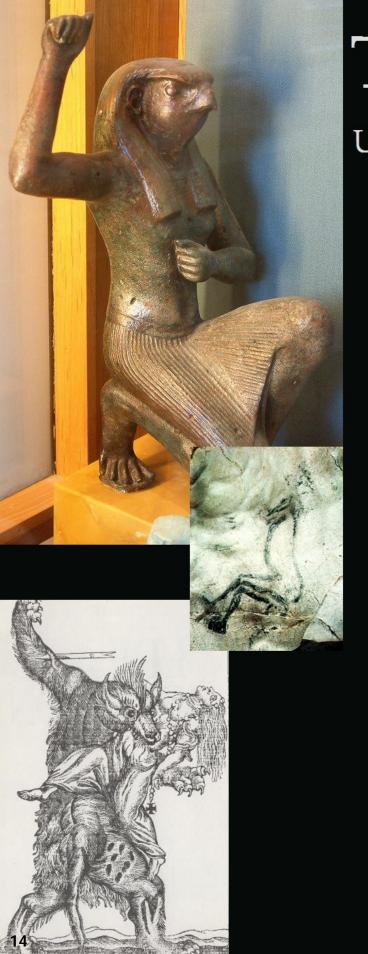
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# A History of the Lunar Landings

Russell Shortt

The Space Age began in earnest in the late 1950s, with America and the Soviet Union locked in the Cold War. A space race began between the two, it was a way of measuring each nation's scientific and technological advances in the fast paced twentieth century. The Soviets struck first, when the Luna 1 completed the first lunar flyby in January 1959, they quickly followed this in September of that year with the first impact on the moon with the Luna 2. President John F. Kennedy threw down the gauntlet in 1961, declaring that America would place a man on the moon by the end of the decade - the race was on! From 1961 to 1965 the US Ranger program sent nine missions to the moon with the purpose of gathering data. In 1966, the Soviets beat the Americans by landing the first craft on the moon, Luna 9, without it crashing. The Americans achieved the same feat, three months later with their Surveyor 1. The American

program was tragically thrown disarray in 1967, when Apollo 1 destroyed by fire, killing the three astronauts on board. However, in 1968, the Americans launched the first manned craft into space, Apollo 7 orbited the earth one hundred and sixty three times and spent a total of eleven days in space. Apollo 8 was launched in December 1968, containing the Saturn V rocket which was powerful enough to take the spacecraft into lunar orbit, it circled the moon and successfully returned to Earth. On 20 July 1969, Apollo 11 successfully landed astronauts Neil Armstrong and Buzz Aldrin on the moon. Over the next four years NASA launched a further six lunar missions, all of which were successful with the exception of Apollo 13. In the course of the Apollo program, twelve astronauts landed on the moon but since 1972, no lunar missions have being launched.



## Therianthropy

Urban Legend or Mystic Reality?

Therianthropy is not your basic run of the mill recent urban legend. It did NOT begin with the werewolves of Stephanie Meyer's "Twilight," though their tribe was said to be wolf-people. This is much more broadspectrum, ancient, and bloody than any angry teen wolf-boy. Let me backtrack just a little.

Therianthropy is a word that is derived from Greek therion, meaning animal" or "beast" (impliedly mammalian), and anthropos, meaning "human being"). It basically refers to the transmutation of man to a different sort of animal, such as a lion or the ever-popular wolf seen in modern culture these days. Science instantly dismisses the possibility of vampires for instance, with the exception of the disease porphyric hemophilia, the so-called "vampire's disease" that affected such individuals in history as Mary Queen of Scots and King George III. However therianthropy is much more diverse, mysterious and unknown in many ways. There are multiple examples in history regarding therianthropy. Below are a few examples:

On December 17, 1976, London's The Daily Mail published a story entitled 'Werewolf Killer Caught, The Police

Say' that told about the seizure of a criminal known as the Paris werewolf for committing numerous killings. There is one source floating around that states there is the possibility the term may have been used in the 16th century in criminal trials of suspected werewolves.

Therianthropes have existed in mythology, appearing in ancient cave drawings such as the Sorcerer at Les Trois Frères. The first werewolves were said to be descendents of Romulus and Remus, twin brothers in mythology who were nursed by a wolf, Lupa in Latin. Lupa is a name for the priestesses of a fox leading goddess, to alternative theory that the wolf was human. There is speculation that the nurturers were harlots (she-wolf being a name for them in ancient Rome.) Romulus and Remus were then discovered by Faustulus, a shepherd for Amulius, who brought the children to his home. Faustulus and his wife, Acca Larentia, raised the boys as their own. The roots of her name imply a religious cult of an earth mother. Some mythological traditions have her as the prostitute 'shewolf' who suckled Rome's founders. This is because "lupa" means she-wolf or prostitute; leading to lupanar, meaning "brothel."

Ethnologist Ivar Lissner theorised that cave paintings of beings with human and nonhuman animal features were not physical representations of mythical shapeshifters, but were instead attempts to depict in the shamans process of acquiring the mental and spiritual attributes of various beasts.

P'an Hu is represented in various Chinese legends as a supernatural dog, a dog-headed man, or a canine shapeshifter that married an emperor's daughter and founded at least one race. When he is depicted as a shapeshifter, all of him can become human except for his head. The race(s) descended from P'an Hu were often characterized by Chinese writers monsters who combined human and dog anatomy.

The people of Banana in Africa are said to change themselves by magical means, composed of human embryos and other ingredients, but in their leopard form they may do no harm to mankind under pain of retaining forever the beast shape.

One of the first Wisconsin werewolf sightings occurred in 1936. A man named Mark reportedly Schackelman encountering a talking wolfman just east of Jefferson, Wisconsin on Highway 18. As he was driving along the road one evening, he spotted a figure digging in an old Indian mound. He looked closer and saw that the figure was a strange, haircovered creature that stood erect and stood more than six feet tall. The face of the creature boasted

a muzzle and features of both an ape and a dog. Its hands were oddly formed with a twisted thumb and three fully formed fingers. The beast gave off a putrid smell that was like "decaying meat".

Theriocephaly is also the thought that an individual has the form of a human with the head of an animal. This has been seen for centuries in various cultures. Examples different include: The desert-god Set, often depicted with the head of an unknown creature, referred to Set animal the by as Egyptologists. In some Eastern Orthodox icon traditions, some particularly saints. Christopher, are depicted as having the head of a dog. In Hinduism, the wisdom Ganesha is depicted with an elephant head.

Therianthropy is a mysterious and fascinating field of study that I can't even begin to do proper justice to on a small scale. It encompasses many different forms and is often misunderstood in modern culture. Is it reality or simply a fascinating bedtime story? No one knows for certain, but this topic continues to elude and fascinate the most brilliant of scholars. Perhaps in time we can truly begin to understand the myth from the reality. In the meantime be careful of things that go bump in the night.



### 

#### HAVE THEY BEEN HERE? WILL WE VISIT THEM? DO THEY EXIST AT ALL?

Cosmos or the Universe as we call it today is believed to consist of more than 150 billions of galaxies. Typical galaxies range from dwarfs with as few as ten million (107) stars up to giants with one trillion (1012) stars, all orbiting the galaxy's center of mass. Galaxies can also contain many multiple star systems, star clusters, and various interstellar clouds. The Sun is one of the stars in our Milky Way galaxy; the Solar System includes the Earth and all the other objects that orbit the Sun.

After galaxies outside the Milky Way were found to initial observations exist. were made mostly using visible light. The peak radiation of most stars lies here, so the observation of the stars that form galaxies has been a major component of optical astronomy. It is also a favorable portion of the spectrum for observing ionized H II regions, and for examining the distribution of dusty arms.

The dust present in the interstellar medium is opaque

to visual light. It is more transparent to far-infrared, which can be used to observe the interior regions of giant molecular clouds and galactic cores in great detail. Infrared is also used to observe distant, red-shifted galaxies that were formed much earlier in the history of the universe. Water vapor and carbon dioxide absorb a number of useful portions of the infrared spectrum, so high-altitude or space-based telescopes are used for infrared astronomy.

The first non-visual study of galaxies, particularly active galaxies, was made using frequencies. radio The atmosphere is nearly transparent to radio between 5 MHz and 30 GHz. (The blocks signals ionosphere below this range.) Large radio interferometers have been used to map the active jets emitted from active nuclei. Radio telescopes can also be used to observe neutral including, hydrogen, potentially, the non-ionized matter in the early universe that later collapsed to form galaxies.

Ultraviolet and X-ray telescopes can observe highly energetic galactic phenomena. An ultraviolet flare observed when a star in a distant galaxy was torn apart from the tidal forces of a black hole. The distribution of hot gas in galactic clusters can be mapped by X-rays. The existence of supermassive black holes at the galaxies was of cores confirmed through X-ray astronomy.

What kinds of efforts have been done by our major space exploration companies NASA and ESA? Have their efforts given us any answers to the initial questions asked here? organizations Both launched several space based observatories enabling us to get an understanding of our own solar system, galaxy and the universe. But, so far, there has not been any scientific proof of life from these observations.

Mars space missions have given us some answers that there is a probability for existence of frozen water, hence some potential for



bacterial life forms. NASA alone and in collaboration with ESA have launched several space based observatories through the last two decades in order to give us the opportunity to see past the noise on earth and to look into the other invisible spectra of energy that we can not see in the visible light spectra.

NASA launched a space program in 1990 with 4 stages in it. First, we had the launch of the Hubble space telescope launched in 1990, which was destined to orbit the earth at 569 kilometers. This observatory had equipment to observe in the visible, near infrared spectrum of light, and have spectrograph and a wide field and planetary camera onboard. This was a joint venture with ESA. The

second stage of the program launch of the the was Ray Compton Gamma Observatory at April 5th 1991. This observatory had equipment onboard to observe the electromagnetic spectrum. The mission ended in June 4th 2000. when the observatory was deorbited. The third stage of the program was the launch of Chandra space telescope in July 23rd 1999. This observatory is expected to last through 2009 and maybe a bit longer. Chandra is observing the x-ray signals and is orbiting 139000 around kilometers above the earth. which is about a third of the distance to the moon. The fourth stage of this program was the launch of the Spitzer Space Telescope destined to observe the infrared, heat, radiation. The launch was on August 23rd 2003 and the expected lifespan of 5 years is already exceeded. It is still operational after some minor adjustment done recently. The observatory is gradually moving away from us with a speed of 15 million kilometers per year from its original orbit behind the earth, seen from the sun.

NASA has just recently launched on March 6th 2009, the Kepler Space telescope. This telescope is designed to search for Earth-like planets orbiting other stars. Using a space photometer developed by NASA, it will observe the brightness of over 100,000 stars over 3.5 years to detect periodic transits of a star by planets. The Kepler Mission has a much higher probability of detecting Earthlike planets than the Hubble Space Telescope, since it has a much larger field of view (approximately 10 degrees square), and will be dedicated detecting for planetary transits.

Discovering planets comparable to Earth is expected to take three years or longer with this mission. Kepler is not in an Earth orbit but in an Earth-trailing solar orbit. The use of these

telescopes in collaboration to make pictures of galaxies or stars within a multi range spectrum enables us to get the fantastic pictures we can see at NASA web site f.inst. It also enables to take us of observations various of generations and stars galaxies.

Several other space based observatories have been launched into space in the last decades or so. Wilkenson Microwave Anisotropy Probe (WMAP) was launched June 30th 2001 to observe cosmic glow, temperature fluctations with a sensitivity of 0.00001 degrees celcius. It claims to have made observations from when the universe was only 380.000 years old. The universe is assumed to be 13-14 billion years old. The observatory is placed in Lagrange point L2, behind the earth (1.5 kilometers from earth).

Solar and Heliospheric Observatory Satellite - SOHO launched December 2nd 1995 as a joint venture with NASA and ESA. SOHO currently continues to operate after over ten years in space. In addition to its scientific mission, it is currently the main source of near-real time solar data for space weather prediction. The observatory is located at the 19

Lagrange point L1 between the earth ands the sun.

Global Geospace The (GGS) WIND Science satellite, a NASA science spacecraft launched November 1, 1994 and Composition Advanced Explorer (ACE), are other spacecrafts currently in the vicinity of the Earth-Sun point, around L1 kilometers from the earth. The WIND was deployed to study radio and plasma that occur in the solar wind and in the Earth's magnetosphere.

The objective of ACE is to study matter in situ, comprising energetic particles from the solar wind, the interplanetary medium, and other sources. Real-time data from ACE is used to improve forecasts and warnings of solar storms. The observatory was launched August 25th, 1997.

The Galaxy Evolution Explorer (GALEX) was launched on April 28th 2003. This observatory was designed for observations of the ultraviolet far UV spectrum of energy.

**STEREO** (Solar **TErrestrial RElations** is the third Observatory) mission in NASA's Solar Terrestrial Probes program (STP). This two-year mission, launched October 2006, will unique provide and a view of the revolutionary





nearly identical observatories - one ahead of Earth in its orbit, the other trailing behind - will trace the flow of energy and matter from the Sun to Earth. They will reveal the 3D structure of coronal mass ejections; violent eruptions of matter from the sun that can disrupt satellites and power grids, and help us understand why they happen. STEREO will become a key addition to the fleet of space weather detection satellites providing more accurate alerts for the arrival time of Earth directed ejections with unique side-viewing perspective. On January 24, two **STEREO** the 2009 spacecraft reached 90 degrees separation, a condition known as quadrature. Since the two STEREO spacecraft went into orbit around the Sun at the beginning of 2007, they have been slowly drifting apart from Earth, and from each other. Ahead has been drifting at an average rate of 22 degrees per year in front of Earth, and behind has been drifting at the same rate in the opposite direction. After two years in solar orbit, the two have spacecraft reached quadrature.

ODIN was launched in February 2001 with a twoyear life expectancy, the Swedish Space Corporation's Odin satellite has a dual purpose: to study star formation and the early solar system, and to study Earth's atmosphere, where it will research the mechanisms behind the depletion of the ozone layer and the effects of global warming.

SWAS was launched into low Earth orbit in December

1998; the Submillimeter Wave Astronomy Satellite (SWAS) was a two-year NASA mission to enhance understanding of star formation by studying the



composition of interstellar clouds and the means by which they collapse. SWAS provided the most precise measurements of water vapor in interstellar clouds established the tightest limits on the maximum amount of molecular oxygen that might be in these clouds.

The Infrared Astronomical Satellite (IRAS) was the first space-based telescope attempt a complete survey of sky at infrared the wavelengths. IRAS detected some 350,000 sources in the mid-infrared (5-40 microns) and far-infrared (40-100 microns), increasing the number of known astronomical objects by about 70%. Among IRAS's discoveries were the first known disk of dust around a star (Vega), six new comets, and a population of infrared "ultra luminous galaxies" that are much brighter at infrared than optical wavelengths

IRAS's successor was the European Space Agency's Infrared Space Observatory (ISO), which operated from November 1995 to May 1998. ISO observed in the range from 2.5 to 240 microns with greater sensitivity and resolution than its predecessor, and made the 22

startling discovery that water vapor is a common and important part ofthe interstellar medium. The satellite found water in the vicinity of stars both at the beginning and end of their lives, in sources close to the center of the galaxy, and in the atmospheres of planets in our Solar System. ISO also discovered that ultraluminous galaxies appear to be powered by starbursts rather than by black holes.

Future planned launches of space based observatories are:

- Planck Satellite will be launched in spring 2009.
- Herschel Space Observatory comes in spring 2009. Herschel will cover 1000 times more frequency "real estate" than SWAS, which observed spectral lines at five specific submillimeter wavelengths: those of water, isotopic water, molecular oxygen, neutral carbon, and isotopic carbon monoxide.
- Space James Webb Satellite Communication launches in 2013 or later. This observatory observe the infrared electro magnetic spectrum and the visible part.
- The Gaia Probe, for which there is no date set yet.

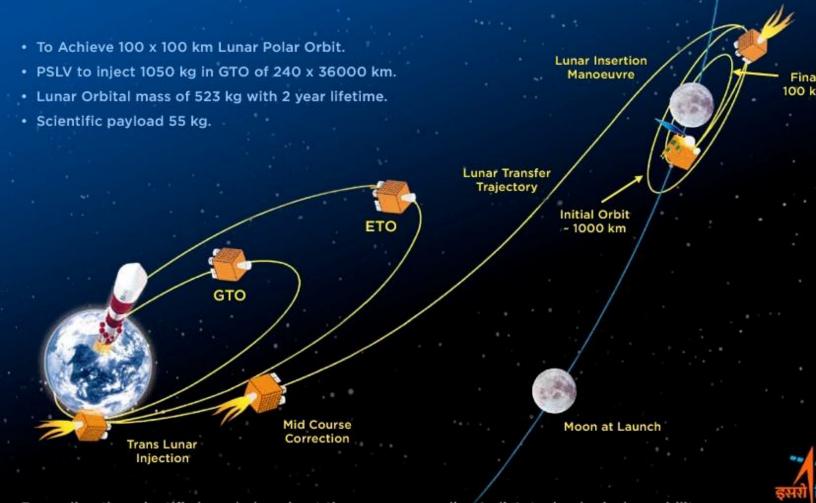
The answer to our initial questions, no we have not found any scientific evidence of life forms, at least anything with intelligence close to or beyond ours.

This is not due to the fact that there is no chance for life forms within our galaxy or beyond, but rather our technological limitations and maybe also intellectual limitations to search efficiently for life forms.

I am a profound believer in that there are life forms apart from us in our universe or cosmos, somewhere. Whether we will able be communicate with these before our earth goes to extinction is another question I am more doubtful of.

So far we have only been able to look close into our own galaxy, and not been able to thoroughly examine other galaxies. We might have a few thousands of years to search at the maximum, not limited by that our sun will swallow us (it is more than a billion years to that event), but the exploiting by humans, which makes our time here on earth limited by the fact that there is not enough resources to go around with our ever so expanding population.

Stig Kristoffersen



Expanding the scientific knowledge about the moon, upgrading India's technological capability and providing challenging opportunities for planetary research for the younger generation.

#### Moon Ch. Deka

It was a tremendous achievement in Indian space research programme soon after historic launching of Chndrayaan-1 to the orbit of the Moon. Once again India has proved that India is one of the advanced countries as concern to the space borne technology in the world. This achievement came to

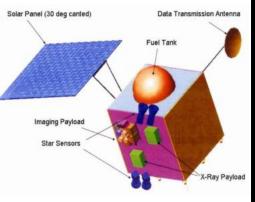
harness the goal of success important due to some relevant India's space organizations which are mainly Indian of Space Research Organization (ISRO), Space Application Centre (SAC), **National** Sensing Remote Agency (NRSA), and Indian Institute of Remote Sensing (IIRS), National Physical laboratory (NPL), Defense Research and Development Organization (DRDO) etc. India is also very advanced in techniques of space borne application due to availability and dissemination of good digital satellite data. There are good resolution of satellite data



derived from sensors like LISS-III, LISS IV and Panchromatic camera in the visible and Near Infra Red band of EMR spectrum which are the important tools as concern to the management and exploration of natural resources in the earth. The satellite data has been derived from many Remote Sensing &

Cartographic Satellites (IRS Series) and Communication & Metrological Satellites (INSAT Series). Being a one of the world's advanced research centre the ISRO have had ambitious moon mission plan before long time ago but it had implemented since 2003.

The of mass Chandrayaan-1 was 1380 kg at the Launching pad and it was projected successfully by indigenous Polar Satellite Launce Vehicle (PSLV-11) at 6-21 am on 22nd Oct'08 from the Satish Dhawan Space Centre located Sriharikota of Andhrapradesh which is about 100 km north of The Chennai. mass of Chandrayaan –1 was 1050 Kg at Geostationary Trajectory Orbit (GTO) located at 36,000 km from surface. the earth The Chandrayaan-1 has finally reached after performing 20 days of journey to its intended final circular lunar orbit at a height of 100 km above the lunar surface besides landing of Moon Impact of Probe (MIP) with the Indian tri color Flag. After the Chandrayaan-1 ISRO's Mission have another project Chandrayaan -2 in 2011 and



planning for putting two men mission into the space with an estimated cost of 120 billion in 2015 besides future planning of artificial satellites to the Mars in 2020 which would be the another history to join the nations of super space club.

The distance of the Moon located at an average altitude of 384,400 km from the Earth. The diameter of Moon is about 3476 km along with mass of 7.35e22 kg  $(7.35 \times 1022$ kg. In fact, Moon mission program had been started since 1959. The fist mission of Soviet spacecraft Luna2 had successfully visited the Moon in 1959. The first man Neil Armstrong had landed was on July 20, 1969 and the last was in December 1972 by the Apollo Mission. The

rock samples were also collected by robotic missions and Moon's mapping had also been done with the help of digital images sent by aboard Sensors spacecraft. It has been found by the astrophysicist and geologist that the most rocks on the surface of the Moon seem to be between 3 to 4.6 billion years old that is almost equivalent the age of hard Precambrian rocks of the Earth. It is known that Moon has no geological activities due to absence of





any physical and chemical including behavior atmosphere and rains. Yet there are still to derive the detail data of Lunar Surfaces and its interior composition as there are continuously developing updated of sensors systems like latest Charged Couple Device of Thematic Mapper for evaluation of high resolution digital pan images and mini Synthetic aperture Radar for gathering information scattering of lunar surfaces and presence of thickness of pool including ice mineralogical exploration of Radar with the help Images which was developed in earlier during the 1970 to 1990. Moreover, the advanced countries in

space technology including India do not want to loose to take advantages for future planning of extraction of energy and to set up space borne platform on nearest body extraterrestrial ongoing acceleration of space research programs. The Helium (3He) is an important isotope which is vital reactants of second generation of fuel to produce nuclear energy. This isotope is abundant in the Moon's surface as well as to its interior which is an important reactant to meet energy requirement. Around 25 tones of He reactants is equivalent to produce energy required by in one year. The another important point is

that as the Chandrayaan –I reached the Moon's orbit which reveals India's dreams of future space mission will not be farthest because of PSLV-11 distance crossed the 340.000 kms from the earth. These are vital reasons for which the Moon Mission is very demandable. Though this Chandrayaan-I Mission was expected before few years ago yet the time may be a strategically accurate period due to carrying latest payloads could be more demandable and a have maximum probability for tie up with the other developing courtiers in terms of transfer of technology and to guide space research them a oriented program.

All total 11 numbers of 55 KG payloads or scientific instruments have been calibrated on the Moon Mission Chandrayaan-1. Out of it 6 payloads developed by ISRO which are CCD Terrain Mapping Camera (TMC) , CCD Hyper Spectral Imager (HySI), Ranging Instrument (LLRI), High Energy X-ray Spectrometer (HEX), Moon Impact Probe  $(\overline{MIP})$ Chandrayaan-1 X-ray Spectrometer (C1XS) and two payloads developed by ESA (European Space Agency) which are of Near-Spectrometer (SIR-2), IR

reflecting Analyzer (SARA), and one payload Radiation Dose Monitor Experiment (RADOM developed by Bulgarian Science Academy and two payloads namely Miniature Synthetic Aperture Radar (MiniSAR) and Moon Mineralogy

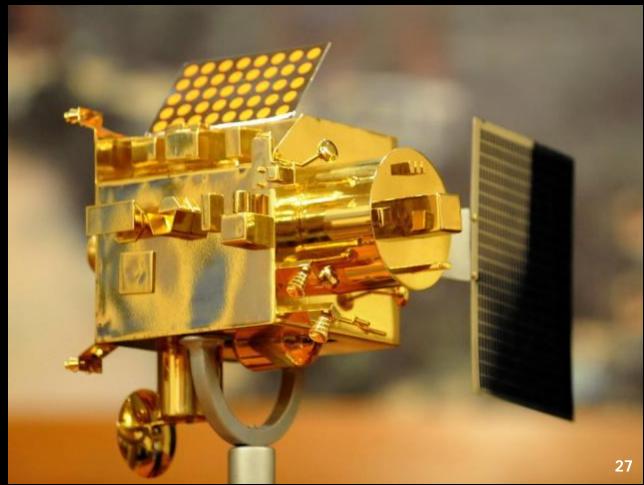
Sub Kev Atom

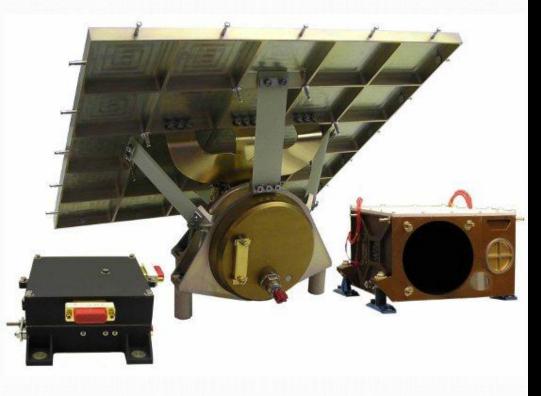
From the onboard payloads developed by the respective nations it can be assumed

Mapped (M3).

their destination to gather information in the more different field of subjects from this earth's satellite. As a first step to Mission Moon the ISRO, India have shown keen interested to derive the scientific data in all the aspects like origin of Moon, thematic terrain evaluation derive from the high resolution of PAN images ( Digital data from Panchromatic Camera), mapping of mineralogical exploration, to generate an improved model for the lunar field, gravity to get technological required data future for soft landing

missions to moon by orbiting in a close range and finally to carry out high quality Xray spectroscopic mapping of the Moon. Based on boarding indigenous instruments it is an initial complete packages of Moon Mission series of Chandrayaan –I which would definitely help to India's target for Manned Mission Moon in 2020. Though Apollo and Lunar unmanned missions had sent earlier by Nations like USA, European Space Agency, Russia, Japan and China yet unmanned the recent Chandrayaan −1 has created





a remarkable history in the world's space technological programs. This has of successful because Indian renowned Space Scientist and Engineers for their excellent efforts to develop space technology indigenously on associated with IRS and INSAT series satellites apart from tremendous development of Satellite Launched Polar (PSLV) Vehicle and Geosynchronous Satellite Launch Vehicle (GSLV). All total 50 numbers of artificial satellites have been launched to the earth's orbit within the spans of 35 years. The will history begins Chandrayaan –I revolves around the Moon once every orbital period of 117 minutes

at an altitude of 100 X100 km lunar polar orbit with an mass of 523 kg to become a history of another chapter of space technology along with the registering the sixth Indian nation that have sent unmanned spacecraft to the Moon. The calibrated payloads of different Nations like National Aeronautics Space Agency of USA (NASA), European Space (ESA) Agency and Bulgarian science Academy are a matter of Indian's pride and symbol of friendly relation apart from scientific cooperation to harness the goal of success in the space borne technology. It may be noted that SIR-2 and SARA payloads of ESA would carry out the data on the field

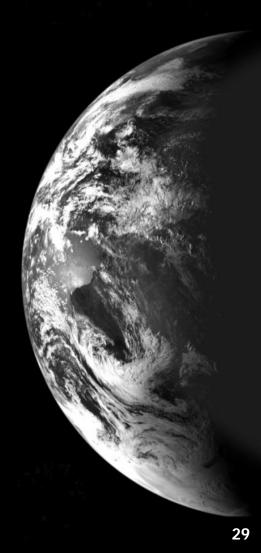
of Chemical and Magnetic mapping of Moon for its history of origin and composition. The RADOM payloads are very interesting gathered have of radioactive monitoring elements like Helium (He). Rubidium (Rb) and Thorium (Th). On the other hand, SAR payloads of the NASA of USA is interested to detect water ice in the permanently shadowed regions on the Lunar poles up to a few meters depth along with M3 payload for mapping of lunar mineral resources at high spatial and spectral resolution to support planning for future, targeted missions. The transmission of data in the different digital format from Payloads of Chandrayaan's -I to the ground station equipped with remotely controlled devices situated near the Bangalore would be the very fruitful as because Chandrayaan –I orbits has been fixed at a 100 km from the Lunar surfaces. In general remote sensing satellites are placed in a polar orbit at a distance from 700 kms to 900 kms from the surface of the earth. This Chandrayaan –I 'S will have to be achieved 100 X 100 km lunar polar orbit finally where it may have been

interesting to interpretation the digital images and transmission of radiation energy. Apart from CCD hyper spectral imager, pan there are other camera devices spectrometers to spectral know the distribution of EMR from the lunar surface in the C1XS (X Ray Spectrometer) would X-ray fluorescence use technique (1.0-10 keV) for measuring abundance of elements like Mg, Al, Si, Ca, Fe. Ti distributed over the surface of the Moon to know the origin of the earth's satellite. On the other hand SIR-2(Infrared) the Spectrometer will measure the soil texture, structure, moisture content and vegetation the to know landscape of the lunar surface in detail. Moreover NASA and ESA's bid for payloads on Chandrayaan-I has revealed to carry out the many optimistic solution and clues from the earth's satellites for the next generation of exploration of Lunar.

This is true that space science and its advance research are necessary to become a powerful nation in the world. The space technology helps to evaluate natural resource mappings in

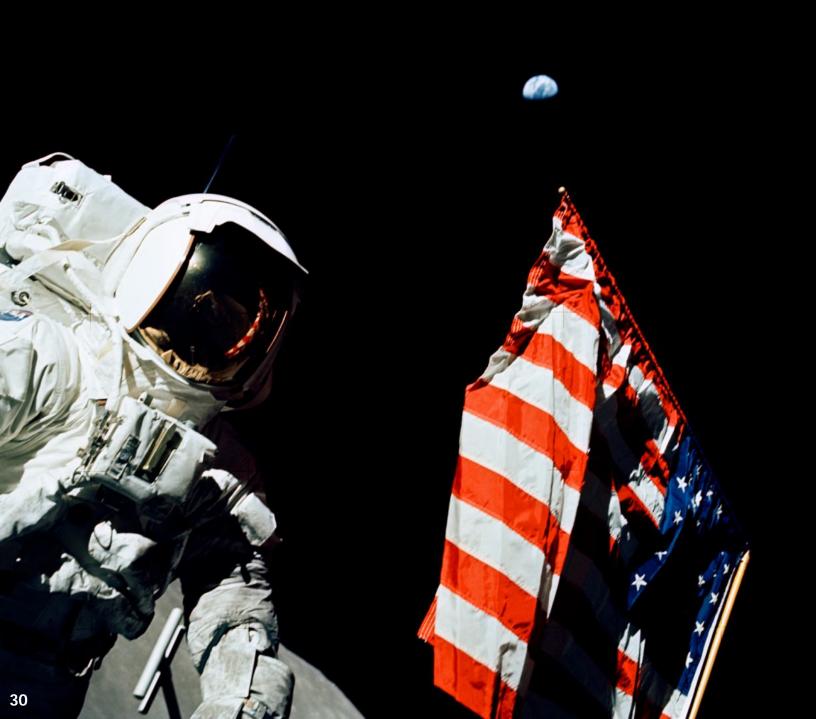
the earth and other planets. Moreover, the country gets more benefited by using updated space technology in different fields like natural resource mapping and any country planning other including Military mapping, antiterrorism plan etc. etc. That is why space research and its updated evaluation is matter of country's prestige. The USA assumed as a superior only because of their advanced space research power and its application for their powerful constellation of 24 of global numbers positioning satellites where the entire world is dependent on their spatial positioning systems. Of course GLONASS positioning Russia is also going on which India could be a partner in the coming days. It may be indicated that the important space research organization in the world are National Aeronautics Space Agency of USA, Russia's Space Federal Agency (Roskosmos), remote Sensing Technology Centre Institute (RESTEC), Space and Astronautically Science (ISAS) of Japan, **National** Space China Administration and agency, European Space Agency and

finally Indian Space Research Organization. China successfully put two manned spacecraft into orbit 2003 and 2005. respectively, becoming the third country to send an astronaut into space after the United States and the Soviet Union. Hope India's plan to put two men in space in the 2015 may have come out successfully to make another remarkable history as a fourth nations to project astronauts into space.



### Scientist-Astronaut Edgar Mitchell "UFOs are real and we are not alone"

Michael Webster



Scientist-Astronaut Edgar Mitchell dropped a bombshell speaking at the fifth annual X-Conference saying "there is extraterrestrial life, and that it's being concealed by the United States government".

The conference is where a group of speakers discuss "the governmental, political and media aspects of 60+ of extraterrestrial engagement and government denials. George Noory Coast to Coast AM radio show host and famous author and archaeologist Graham Hancock where among others to speak at the gathering.

During Mitchell's presentation he explained that, having grown up in Roswell, New Mexico, the site of disputed UFO crash in 1947. Mitchell says he and of other members community were told by military authorities not to talk about it. But witnesses "didn't want to go to the grave with their story. They wanted to tell somebody reliable. And being a local boy and having been to the moon, they considered me reliable enough to whisper in my ear their particular story." Mitchell claims, they eventually want the story

out, and he is viewed as a credible messenger because of his resume.

"I urge those who are doubtful: Read the books, read the lore, start to understand what has really been going on. Because there really is no doubt we are being visited," he said.

"The universe that we live in is much more wondrous, exciting, complex and far-reaching than we were ever able to know up to this point in time."

Mitchell claimed he used his highly-regarded status to speak confidentially with a admiral, Pentagon confirmed the UFO crash at Roswell. He claims he has since spoken to government officials from three different countries who say they have had contact with aliens. He is now calling for NASA and the government to stop of alien hiding evidence contact and start being honest with the American public.

A NASA spokesperson responded saying that "NASA does not track UFOs. NASA is not involved in any sort of cover-up about alien life on this planet or anywhere else - period."

This information Mitchell has said before but different this time is the mainstream media has picked it up as cyberspace. as Mitchell has set the Internet ablaze with articles, blogs, and forum discussion. One reporter said what is getting of the attention Mitchell is a man who is respected highly, and a national hero, has with a somber, straight face told the world without reservation that we have been visited by UFOs, aliens are real, and our government is indeed, covering up this information.

"Our destiny, in my opinion, and we might as well get started with it, is [to] become a part of the planetary community. ... We should be ready to reach out beyond our planet and beyond our solar system to find out what is really going on out there." Mitchell has said.

Mitchell as a Navy officer achieved a Doctor of Science degree in Aeronautics and Astronautics from the Massachusetts Institute Technology, a Bachelor of Science degree aeronautical engineering U.S. Naval from the Postgraduate School. He also holds honorary doctorates



from the Embry-Riddle Aeronautical University, New Mexico State University, the University of Akron, and Carnegie Mellon University.

On Britain's Kerrang radio show on July 23, 2008, Mitchell told the world that the 500+ witnesses telling us that a UFO from another world crashed in Roswell. N.M, in 1947, were in fact, telling the truth, and that a government cover-up UFO and alien information began at that time, and continues today. We have been visited by beings from other worlds a number of other times also, some of which he had insider knowledge of during his time at NASA. These events were **UFO** also covered up.

proponents, of course, already took these events as truth, but now we know for certain.

Host Kerrang said there is a big difference between believing something is true, and knowing for certain that it [does]. I want to believe that UFOs are real, Dr. Mitchell knows UFOs are real. In all fairness, we cannot forget that he also told us that a lot of the reports of UFOs are not extraterrestrial in nature. there are a lot of reports that misidentifications of are planes, stars. comets. balloons, etc, reported as UFOs, and of course, we have many hoaxes, faked photos and videos to blur our vision of what is real.

There have been number of well respected individuals who have told us similar things, and some of them may also have inside information, but none them had the impact of Mitchell's statement. Could it he the time of his announcement, coming on the heels of the O'Hare Airport sighting, the Texas sightings, and the ongoing UFO waves over Great Britain? Possibly, or could it be who he is, a famous Astronaut?

"I happen to have been privileged enough to be in on the fact that we've been visited on this planet and the UFO phenomena is real," Dr Mitchell said.

Mitchell was part of the 1971 Apollo 14 moon mission. He is credited with the longest moonwalk in history for his nine-hour walk in the Fra Mauro Highlands region of the moon. Known for his interest in the paranormal, Mitchell conducted ESP experiments during his Apollo 14 mission.

"Make no mistake, Roswell happened. I've seen secret files which show the government knew about it but decided not to tell the public." Mitchell said. In an exclusive interview on Oct 10, 1998 from his Florida home, Edgar told John Earls why he is convinced there is life on other planets and that aliens have, in fact, landed on Earth.

As a former astronaut, the military people who have

access to these files are more willing to talk to me than to people they regard as mere cranks.

The stories I have heard



from these people, who are more highly qualified than me to talk about UFOs, leave me in no doubt that aliens have already visited Earth.

I've been interested in the subject since I joined NASA 40 years ago. Probably my most visionary moment was when I actually landed on the moon with Apollo 14.

I felt an overwhelming sense that the universe itself is in some way a conscious being in its own right. This means that all life-forms, Earth whether on elsewhere, are all part of one giant consciousness.

So when I learned that aliens really do exist, I wasn't too surprised. But what did shock me when I started investigating extraterrestrial reports a decade ago is the extent to which the proof has been hushed up.

Indeed, I've heard convincing . stories about governments all over the world that know of alien visits - including the British government.

Mitchell continued not all governments are anxious to keep their findings quiet. The Belgians have admitted that aliens may be out there have released and information about sightings cannot be explained that

away as military planes, weather phenomena and so on.

The whole question of extra-terrestrials should be looked at in an historical context. Five hundred years ago, the astronomer Copernicus was condemned as a heretic for saying that planet Earth wasn't the centre of the universe but merely a small part of it.

Now we laugh at those long-dead fools for not listening to the truth. People who believe in aliens aren't all cranks and some may be looked upon in the future as visionaries similar Copernicus. Meanwhile, the majority of us still believe mankind is the biological centre of the universe.

We will refuse to accept that intelligent life exists outside Earth unless personally bump into alien while we're doing the shopping. Is this attitude really any different from those "simpletons" of 500 years ago?

My training at NASA only allows me to look at things scientifically. Even if I hadn't been shown evidence of alien landings on Earth, the assumption must be that somewhere in the universe another planet is capable of supporting alien life.

Those life-forms need not be "little green men". The scientists' definition intelligent life is whether or not it can use and manage information. Even the most primitive microbes on Earth qualify by that definition, and surely there are at the very least similar microbes thriving on planets throughout the universe.

I would describe myself cynic. I wasn't convinced about the existence of aliens until I started talking to the military old-timers who were there at the time of Roswell. The more government documentation on aliens I was told about, the more convinced I became.

I firmly believe that this documentation will have to be made public within the next three or four years. And if proof of ETs is finally made public, nobody will be happier than me.





#### 10 Steps to Full Enlightenment

Al Link and Pala Copeland

When one who has been enlightened speaks, there are things he can say with relative certainty--as much certainty as is possible while still in a body in this world. There are other things he can say with considerable authority, but not with certainty. There are also things he would like to be able to say, but they are much more speculative--not without value, but subject to a great deal disagreement more and interpretation of meaning.

It is quite helpful if a guru identifies which degree of authority is attached to statements that they make. This is very much more important if the guru is in and out of the enlightened state rather than in the enlightened more or state continuously. Generally, statements made while in the enlightened state can be made certainty. with relative Statements made based upon remembering what was seen and known while in the enlightened state carry significant authority, but not certainty. It is when statements are made as to method and techniques for helping others attain enlightenment that even

a guru speaks speculatively, whether in the enlightened state or not. No one, including all enlightened gurus, can say with certainty how anyone else can gain entry to the circle of enlightened beings.

All enlightened human beings say exactly the same thing; they each just speak a different language. There are ten steps to follow to get from where you are to where you want to be. When you get there you will not have moved an inch.

There is only one thing. There is only one problem. There is only one solution. Now we know what to do.

You become aware of a longing for something more. You ask yourself: "Is this all there is?" You conclude: "Surely there must be something more than this." You have actually taken the first step.

You become aware of enlightenment as a concept. It is just another idea among all the other interesting ideas you have in your head. This is the second step.

You turn a corner and start to believe that enlightenment is something

real. This is the third step. You are curious; you want to find out more. You start to think about enlightenment. You start to talk with others about it. You start to read books about enlightenment.

You start to want enlightenment for yourself. The desire begins to get strong within, but mostly within your head, i.e., you are still just thinking about it. Even though this is already the fourth step, in a way it is the real beginning; the beginning of the real.

You begin your spiritual quest. The active search for enlightenment begins, but you don't know where to look. You don't know what it is and you don't know where to find it. This is the fifth step; it is very exciting, but also scary. Your heart joins the search; you become aware of a deep longing in your heart to return home. You explore various spiritual practices.

Your search is primarily directed into the world, outside of yourself. This is the sixth step. You may begin to make changes in your life; how you live, where you live, who you live with, your work,

etc., but nothing you change in the world touches your deep longing for something more. You become confused, frustrated, overwhelmed; you want to quit and go back to your ordinary life that is more familiar and more comfortable.

usually Finally, after years of study and searching, you understand that the lower cannot command the higher; you realize that you have been looking in the wrong place-outside of yourself, and that cannot make you enlightenment happen. NO spiritual practice can make enlightenment happen. You turn your gaze inward upon yourself. You understand that what you are looking for is that which is looking. Your mind begins to observe itself. You surrender to your high Self; you let go of the search—but you still have profound, desire. deep a burning desire to wake up. You continue your spiritual search, but your practice is different. now You have selected one spiritual practice from the great smorgasbord of possibilities, but instead of a search, it becomes more like a prayer of thanks, an offering up to God in recognition of your longing to honor him, to

remember who you really are. This is the seventh step.

One day, you simply wake up. The veil of the illusion of separation lifts. You realize that you are God; you are the one without a second. You see that there is only one thing, and you are it, all of it. Your fist awakening is the eighth step. But it only lasts for a short time, perhaps a few hours or even less, possibly a few days or weeks, but then it recedes and the more ordinary ego-centered consciousness returns. You experience a profound anguish at the loss of this perfect light, love, truth, and knowing. In spite of this anguish, you have already conquered death; you know that what you really are cannot die, only the physical body dies.

life Your has now changed. You are living in the moment; not the past or the future. You continue along spiritual path. Your longing is very strong. You remain surrendered in cocoon of faith, with an inward knowing that you will return to that enlightened state--even if it is only at the moment of your physical death. You continue your inner work of transcending the ego, healing old wounds and burning accumulated karma.

Re-awakening is the ninth step--the enlightenment returns. Now you are confident; spiritually not arrogant or egotistical, no longer afraid of anything-there is no fear. You just know, in a way that is unshakable, who you really are, what everything is, what it is not, what it all means, and what you are to do.

With the tenth step enlightenment becomes stable. You are there more or less continuously. Your responsibility now is to help others awaken. School is out. Welcome HOME.



## Impaled

Jeffery Pritchett

Turning on CNN every evening becomes such an emotional chore. We are forced to see which innocent one was stolen today from the simple streets by some raging sociopath. Women abducted while walking down the road for exercise by evil sexual rapist mutants. Children stolen from bus stops by monsters who imprison them in their backyards in cages for lustful pleasures. How much longer will we sit idly by twiddling our thumbs while the damned haunt the earth and use the good for food? Lady Justice has her blindfold wrapped around her eyes so she cannot see. Justice is truly blind now to those who are innocent. When they are caught they plead insanity and get shuffled off to padded cells with free medicine. More money is wasted maintaining their health than the government spends on our school children to get an education. Then they make parole and get out and repeat the same senseless heinous crimes. It's a never ending cycle of riding the carousel through hell over and over again until the end of the road. "The buck stops here!" is what society should scream; rather than,

"Save the twisted humans from the death penalty." Christians and Pro-Life activists are babbling consistently to conserve life, even the lives of those who rape children and women and butcher the elderly. My solution to this turmoil is to bring back the torture techniques of Vlad **Tepes** otherwise known as the historical Dracula.

During Vlad's reign on the Earth blood ran in the city streets. His enemies, who I might add buried his family alive, had it coming to them. Dracula would sit in the city square sipping from his cup and dipping his bread in blood while his henchmen sharpened large poles and inserted them into the anus of his enemies. They would then elevate them high above the ground in the sweltering light of the sun. It was a fitting sentence served to those who were cruel and obtuse by instilling fear to scare away his enemies and to make morality the just cause in his city. Upon his castle walls thousands were hoisted up in the air bleeding down the splinters of the pole. If Vlad left a gold cup out on the town square no one would take it, lest they get the same sharp treatment. Yes these methods are harsh. For instance if a married couple cheated on one another it would be met with

the removal of genitals until they bled to death. Even today the townspeople and gypsies await his dark cruel return. A time when the good were protected and the devils were left to bake in the sun under the guise of heaven.

This is my solution when it comes to these child murdering rapists. Every week new ones rise up on the news who have broken up countless innocent families beyond repair. There are even cases of parents killing their children for no justifiable reason but selfish evil. I propose to find them guilty in a court of law and bring them out to The White House lawn. Sharpened sticks will meet their ends quite literally. I feel this method would reduce such activity from deviants. No more crying families who have lost so much from the evils of humanity. Simple and sweet vengeance. We all know the power television holds society today. Why not televise it as well on the "Execution Channel" for all to see who would dare to do the same? It would be a way for humanity to the consequences actions wrought on by fear's deadly-clawed vampire hand. Scraping at the bodies release the souls of the evildoer. It's time to send them back to the devil where they belong.

# ON SALE NOW

#### Molly D:

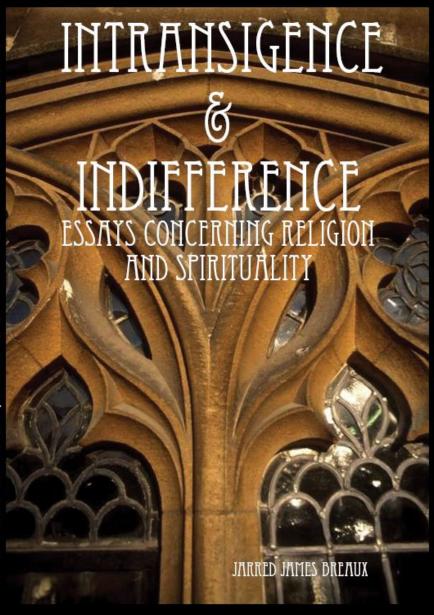
"The book offers a unique perspective on rituals and customs from different cultures, some of which I have never heard. I like that it was written by someone who experienced these rituals first-hand, not just some researcher."

#### James R:

"This book is definitely a good read. Parts of it go into great detail."

#### James K:

"What I like about this book the most is its attentiveness to detail and its ability to compare and contrast beliefs. different [The author's] exploration of various belief systems on a wide variety of topics introduced me to practices I was unfamiliar with. The book also made question my own personal beliefs on certain subjects, such as the 'one true church' and the definition of occult."



Intransigence and Indifference pursues the imagination and religious practices of multiple cultures while objectively evaluating religious practices and beliefs. These essays scientifically search for the truth while embracing the imagination. They explain why things are and how they came to be in certain cultures and they even go as far as to explain why there is political turmoil now.

Available at Amazon, Barnes & Noble, Borders, Blackwell Tower.com, and Alibris

Intransigence Indifference introduces you to religious beliefs and practices from around the world. It takes you into the spiritual realm and engulfs you in the paranormal and supernatural while paying close attention to detail and the philosophy of religion. Engage in well researched articles educate yourself on the religious beliefs surrounding you in a world where so little is known as so much is made mundane.

The author debates and rebuttals firm many concepts common Western belief, tackling the of definition marriage, Christmas traditions. traditional characteristics of God, the use of narcotics to induce an ecstatic state, and the basis of evil in the world today.

Jarred James Breaux is a History and Religious Studies graduate l'Université des Acadiens. Considered an expert in the field of comparative religious study, Breaux has participated in a variety of religious rituals, ranging Roman Catholic from Laotian masses and Theraveda Buddhists sai bods to a Wiccan Sabbath and a Druid May-day.

## Bay Area Haunts Paranormal Investigation Group:

# Purissima

First Visit to a Ghost Town & Cemetery

#### **Investigators:**

Masato, Joe, Klop and Elizabeth

#### Equipment:

- 2 voice recorders
- 2 cameras (1 didn't take any pictures, although it appeared to be working and even ran through a set of batteries)
- 2 LED flashlights that attached to the head
- 2 EMF detectors
- 2 regular hand held flashlights

#### A little History

The 4 of us had heard about an old forgotten cemetery near Half Moon Bay in a little town which no longer exists called Purissima. L ocated in a rural area four miles (6 km) south of Half Moon Bay, the village was one of the earliest settlements on the San Mateo County coast, founded in an agricultural area in the early 1850s.

By the early 1870s, Purissima had a post office, several stores, a school, a onestory hotel known as Purissima House (owned by Richard Dougherty), and other buildings. Some buildings still remained as late as the 1930s, but the town was largely abandoned before World War II.

No clear reasons have been found for the demise of the community; presumably its location led remote some to Half residents to move Moon Bay or other communities. All that remains of Purissima today is the cemetery and a part of the Several school. farms surround the site. There are

numerous evergreen trees and heavy vegetation at the site. Dayna Chalif, who has explored Purissima the Cemetery and researched historic archives, wrote, "The town's prominent citizens died in the same amount of time. Purissima was supposed to be the big town on the coast, [but it] was harder to get to." The failure of the Ocean Shore Railroad, which was intended to provide better access to the San Mateo County coast, may have hurt Purissima, although the village was later included on the original routing of Highway 1.



#### **Our Investigation**

There were 2 zones we intended to hit. First the cemetery and second an open field right next door. We hit the cemetery first. Here we caught 3 EVP's and experienced a heavy spot near a tree that our sensitive. Elizabeth, mentioned as being "significant" somehow. This heaviness was experienced by all 4 of us and was VERY real. It can only be described as a tingly feeling. You felt as if you were walking through something heavy. It harder to gain momentum through there as if you were walking uphill. While feeling itself appeared to be experienced differently the each investigator, was that it consensus happened when each one of us was at a particular spot, and it felt as if we were pushing through something.

In the meadow there was also significant EMF action. It seemed to be situated from chest to head height, and it moved around. We made sure it wasn't responding to any electronics on us, and while there were power lines by the gate to the meadow, holding the EMF detector up to them made the frequency diminish. It definitely seemed to be



strongest at the gate, and various experiments ruled out the metal in the gate itself. It also disappeared outside of the gate, but reappeared if it was placed back over the gate into the meadow.

EVP's

EVP #1 - Here you will hear our investigators asking for a sign and someone makes a comment about smacking one of our investigators on the side of his head. Right after that you will hear a voice (possibly female) say "Uh Huh" in a sarcastic tone as if she/he knew we were joking.

EVP #2 - On our way out of the cemetery as we were walking through the brush we accidentally walked past the path we took to get down and came to a dead end. You can hear Liz state that we can't go any further where at that time a faint voice says, "wait."

EVP #3 - Once we made it out of the brush and back onto the main cemetery lot, Liz spotted some flowers someone had planted near a tombstone. She commented on how pretty they were. A few seconds later you will hear a voice say, "Thanks, Thanks." The first "thanks" was loud while the second was a bit more distant like the entity was walking past as he spoke.

EVP #4 - Here we are in the meadow and you will hear Klop ask if they would like us to go or stay. Again just seconds later you hear, "Stay, Please sta

Sun Storms & Cosmic Radiation

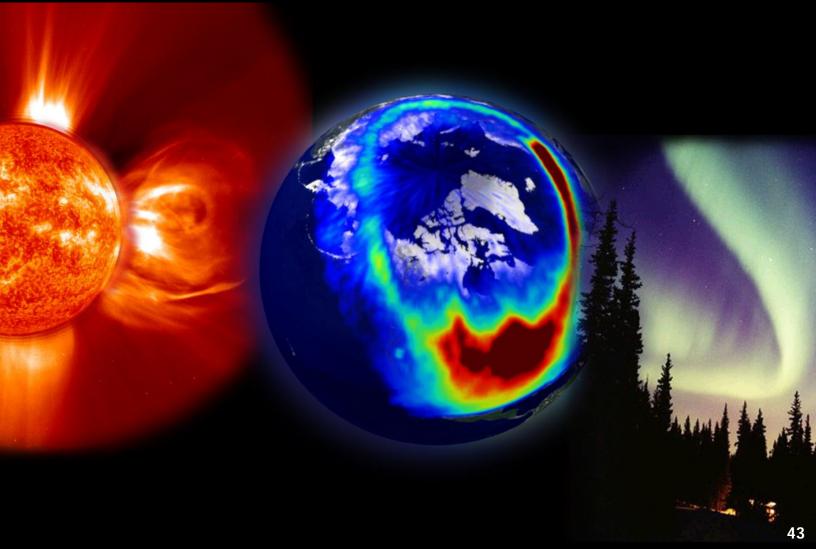
Gerard Le Flamand

This finding started immediate worldwide speculation about a forthcoming polar reversal. In an instant, modern science lined up with the predictions of scientists of a far-distant past. This cannot be coincidence! Thousands of years ago, priests were able to calculate that the magnetic field of the Earth would collapse at the end of 2012, at the zenith of the catastrophe. And now, eons later in time, one person comes up with an identical idea. Only the present scientists still do not

realize what the consequences they think will be: that electronic equipment will experience some problems, that the migration of many animals will be disturbed, and that there might be a problem with radiation. They do not expect much more than that. this diametrically is But opposed to what the Maya and the Old Egyptians predicted.

In the books from Patrick Geryl, he has clearly described the disastrous effects of a pole shift. However, he hardly dealt with one issue: radioactive radiation and wondered worriedly what effect this will have on the Earth? Are people and animals able to handle this? And what can we do to guard ourselves against it?

Given his knowledge of astronomy, he got quickly clear answers. It is known that particles coming from the stars and our sun collide with the magnetic field of the Earth. Highly charged, energetic cosmic particles are hardly hindered by the magnetic field—they just pass through it, and it doesn't matter



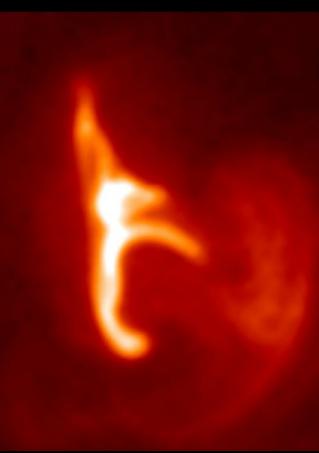
whether their charge is neutral, positive or negative. However, in the Earth's atmosphere they collide with oxygen and nitrogen molecules, which render them less harmful. Low energy cosmic radiation is normally deflected to the poles. When the magnetic is pressurized field and

disappears, you will not have this tunnel effect anymore and the particles will fall randomly on Earth. The effect of this is small and does not imply a threat for plants, animals or humans. Therefore, at first he thought we would not have much to fear from radiation. harmful Then he started to study the situation a bit more carefully; it appeared he had somehow underestimated the consequences. A

first deduction was not so difficult to make: Ultraviolet Radiation.

Everybody knows that you can get severely burnt while in high mountains and that you need to protect yourself well against the solar radiation. The higher you are, the more intense the radiation is. No 44

doubt about that. You only have to ask mountain climbers who use protection factors of twenty or more. Close to the fatal date, a lot of us who plan to survive will be at an altitude of three kilometers (9000 feet) or more. Under normal circumstances there would be no problem. However, at the



peak of the catastrophe, the light intensity of the sun will increase tremendously. An allscorching light will be sent in the direction of the Earth. The ultraviolet of intensity radiation, which is responsible for the degradation of the ozone layer, will rise quite spectacularly. You can guess

the consequences: you will risk burning unprotected skin, making it as black as carbon in this radiation inferno.

Just one solution will remedy the situation: wear protective clothing that stops the ultraviolet radiation as much as possible. It is the only way to prevent fatal burns.

> This is an essential part of the planning. Those who take their chances with boats fewer will have effects from the radiation. because the atmosphere lot. absorbs a Although they will be subjected to a minimal amount of the exposure compared to those in the high mountains, they still need to be careful. Direct exposure to the solar radiation for a short time is possible, but surely not for too

long. However, the others in the high mountains will have to be extremely careful. They will protect have to themselves to the utmost against radiation. In most wearing cases, a good sunscreen, thick clothes and a hat will be sufficient to protect them.

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# Haunted Lighthouses The St. Augustine Lighthouse

Denise Villani

The St. Augustine Lighthouse sits on the north end of Anastasia Island in St. Augustine, Florida. The current tower, which was built in 1874, rises to 165 feet above sea level. The original lighthouse, built in 1824. was approximately 500 yards of northeast the current lighthouse. Due to the receding shoreline, it fell into the ocean back in 1880.

Throughout its early history, the lighthouse employed up to three lightkeepers at a time. There was a head keeper and two assistants. In 1955, when the lighthouse was automated, there was no longer a need for lightkeepers and the last one left at that time. The lightkeepers, would who actually live on site, were replaced by lamplighters, who would tend the light but didn't actually live there.

According to the lighthouse's official website, there have been seven people who died have on the grounds: three lighthouse lightkeepers, a keeper's wife and three young girls. Several of these are said to have died of

natural causes. One man fell to his death from the original lighthouse in 1859, and the three girls died in a tragic drowning accident.

The lighthouse and its



surrounding buildings have a long history of paranormal activity and stories of the hautings hav e been passed on and have been featured in television popular shows. books, and local lore for decades. Visitors and workers say they have seen moving and heard voices shadows along with unexplained sounds. Some tour guides claim they hear someone climbing the tower steps, but the footfalls fade away, and no one is ever there at the top of the tower. There is also said to be a little girl who likes to play pranks residing in the keeper's house, a tall man in the basement, and a spirit who likes to play with the merchandise in the gift shop. former keeper One was enjoying infamous for his cigars. Today, the scent of his cigar can still be detected several times a week.

Several employees have reportedly seen a hazy male figure walking through the lighthouse. Footsteps from an unseen presence can be heard shuffling on the gravel and the steps outside the lighthouse. Other reports are of a woman seen on the lighthouse stairway or walking in the yard outside the buildings.

Perhaps the most famous tragic story is that of three young girls who died during the construction of the second lighthouse. The story says that there was a rail car or some type of vehicle that went from the light station to the ocean. The children liked to play on it and ride on it for fun. On July 10, 1873, the cart somehow ended up in the water. Five children fell into the water and some of the Workers managed to save a boy and a girl. Two of the construction superintendent's daughters, Mary and Eliza, and a young black girl, either a servant or the daughter of a worker, drowned.

It's said that today, the girls can be heard laughing in the tower late at night. The eldest of the construction superintendent's daughters, Mary, has also been spotted wearing the same blue velvet dress and blue hair bow she

was wearing when she died. Reports also say that the figures of two little girls can sometimes be seen standing on the lighthouse catwalk.

For years there have been reports of a large dark, male spirit that hangs around the water collecting cisterns in the basement. Supposedly he was a sailor or a former lightkeeper who hung himself in the lighthouse in the 1930's. According to the lighthouse's website, there isn't any proof or evidence that anyone ever hung him/herself there.

History says that the original owner of the lighthouse was forced to sell it to the government in 1865 because it was believed that the land under the lighthouse was receding and the ocean would eventually swallow it. The state





offered to buy the lighthouse for a lot less than it was worth and he refused to sell. The government then threatened to take the lighthouse via eminent domain and give him nothing. At this point, the former owner was outraged and vowed never leave the lighthouse. to Lighthouse staff say he seems to have kept his vow as his spirit is sometimes seen late at night walking in and around the property.

One of my favorite episodes of Ghost Hunter was filmed at the St. Augustine Lighthouse. The Atlantic Paranormal Society (TAPS) stopped by to see if they could prove or disprove any of the hauntings.

During the episode, they caught a few interesting things on both video and audio. There was a female voice that seemed to say "help me" a few times on the audio recording. The video camera captured a dark figure moving really quickly up the circular staircase and then stopping to look over the railing down at the camera crew from the top floor. The figure then disappeared. When Jason and Grant went to investigate, they realized the door at the top which would be the only exit was padlocked from the inside. There was also a motion detection light that never came on until the TAPS guys got up there. Overall. with the

evidence they captured, the guys determined that they really couldn't prove the place wasn't haunted.

St. Augustine The Lighthouse is currently owned and maintained by the Augustine Lighthouse Museum, Inc. The lighthouse is operational and is is an official, privately-owned, active aid to navigation. The museum is open to the public and the price admission funds preservation of the lighthouse and programs in maritime archaeology and education. The lighthouse offers night tours of the site, though they don't promise any ghosts.

# Phoenix Lights UFO Mystery of 2007

Former AZ Gov Symington Admits To Seeing "Craft Of Unknown Origin"

On March 13, 1997, unexplained lights appeared over Phoenix, Arizona. I was in town when the mysterious event took place. While authorities would like you to believe that these were merely military flares, former Arizona Governor Fife Symington says there is much more to the story.

Symington now admits that he was among the hundreds of witnesses who saw a huge triangular object in the skies over Phoenix. The former Governor made a number of statements about the Phoenix Lights mystery to Leslie Kean, Special Correspondent to The Prescott Daily Courier. The statements were included in an article by Kean published in the Courier on March 18. 2007. In that article, the former Arizona Governor describes what he saw on March 13, 1997:

"It was enormous and inexplicable," he said. "Who knows where it came from? A lot of people saw it, and I saw it too."

Symington was referring to a V-shaped object with lights

on it seen in the skies over Phoenix ten years ago. Some estimated the lights to be the size of a football field, while others said they could have a mile long. He continued to describe his own sighting of the triangular object: "It was dramatic. And it couldn't have been flares it because was too symmetrical." The former Arizona Governor revealed the object to be a "craft of unknown origin."

While Symington hasn't been the only political figure in Arizona to comment on the Phoenix Lights, he stands alone in his admission that they were more than just flares. When asked to comment on the Phoenix Lights in 2000, Senator John McCain said, "That has never been fully explained." He also quickly added, "But I have to tell you that I do not have any evidence whatsoever of aliens or UFOs."

Fife Symington says he called the commander of Luke Air Force Base, the Arizona Department of Public Safety and a General with the

Arizona National Guard back in 1997 to ask about the lights. None of them were able to provide him with any answers and seemed "perplexed." One of the problems with the sightings were the multitude of explanations available at the time.

The V-shaped object with lights was seen in the sky around 8:30pm. The lights that were videotaped and seen around 10:30pm are what most people call the Phoenix Lights. These are often explained away as flares, but not everyone agrees. People that videotaped the 10:30pm event back in 1997 say the lights were in a triangular



shape. Some of them had seen military flares being dropped on other occasions and say this was something completely different. However, authorities stayed with the flares explanation and explained the earlier events as a sighting of the Hale-Bopp Comet.

Synmington called for an investigation into the Phoenix Lights shortly after the sightings occurred, but the statement was a hollow one.

Either he was not able to obtain cooperation from military authorities, or he never made much of an effort. However, with pressure mounting from public, the

UFO researchers and news gathering organizations, he had to eventually take some action.

On June 19, 1997, Governor Fife Symington held a press conference in Phoenix. Dressing one of his aides up as an Alien, the Governor said that the Phoenix Lights were flares and nothing to get upset about. He also said that he was only joking when he ordered the Arizona Department of 50

Public Safety (Arizona State Police) to investigate the sightings. Today, he still defends those actions.

"I wanted people to lighten up and calm down, so I introduced a little levity. But I never felt that the overall situation was a matter of ridicule," Symington says about the infamous press conference. But not everyone was laughing. Former Phoenix Councilwoman Frances



Barwood made a serious effort to investigate the sightings in 1997.

According to her recent statements, Barwood was unable to convince federal authorities to interview even one of the seven hundred witnesses that she spoke to about the Phoenix Lights. Big surprise! Being an elected official isn't enough when it comes to getting answers

about UFOs from the Military. Just ask current Arizona Governor Janet Napolitano.

Janet Napolitano called for an investigation into the Phoenix Lights during her 1997 campaign to become Arizona Attorney General and was elected to that office in 1998. Despite her former position as a U.S. Attorney for the District of Arizona, we can assume that she was served the same plate of disinformation

> from the U.S. Military that the rest of us received. What does she think of Symington's new revelation and the Phoenix Lights overall? We have asked and awaiting are her answer.

My own experience earlier that day was frightening and likely related to one or both the sightings of March 13, 1997. I was driving in from Flagstaff (north to south) on I-17 in the early afternoon. On a day when traffic was already heavy and almost at a standstill, State Patrol vehicles suddenly appeared and caused vehicles to pull over to the far right lanes. A few minutes later, military vehicles filled

with troops and equipment covered by tarps went flying by at high speeds. The military procession lasted several minutes.

I was later told by other drivers who attended giving seminar I was in Phoenix that the same thing happened that night and the next day. Others who attended my seminar reported being almost 'buzzed' by the lights while driving on various local roadways. They described huge balls of light which seemed to come down very low and keep pace with traffic. Apart from all the witness reports, more than a few people took photos and video of the Phoenix Lights.

Huge triangular objects have been a constant part of the UFO phenomenon from the very beginning. Some believe the triangle sightings date to prehistory and many point to sightings that may have occurred in the late 1800s. Most witnesses at that time assumed they were experimental kites of some sort. Then, there were all the unexplained triangle sightings in the 1950s, with and without lights. Two of the most famous involved the U.S. and British Military.

Beginning on September 13, 1952, Military Personnel

aboard ships involved in NATO Operation Mainbrace saw and tracked a triangular shaped object flying at over 900 mph between Denmark and Norway. Witnesses said the object emitted a bright white light. There were additional UFO sightings during the NATO exercise as well which may have included saucer and cigar shaped crafts.

In July of 1955, a dark colored boomerang hovered completely still over Lasham Airfield, Hampshire, England, during the National Gliding Competitions. Seen by trained military observers, experienced civilian pilots and untrained spectators, the object hovered for thirty seconds before moving off to the southwest.

A triangular-shaped UFO captured the attention of the world's press in November of 1989 when a huge, dark triangle with sparkling bright lights underneath was seen by citizens and police in Liege, Belgium. More sightings followed. In 1990, Belgium

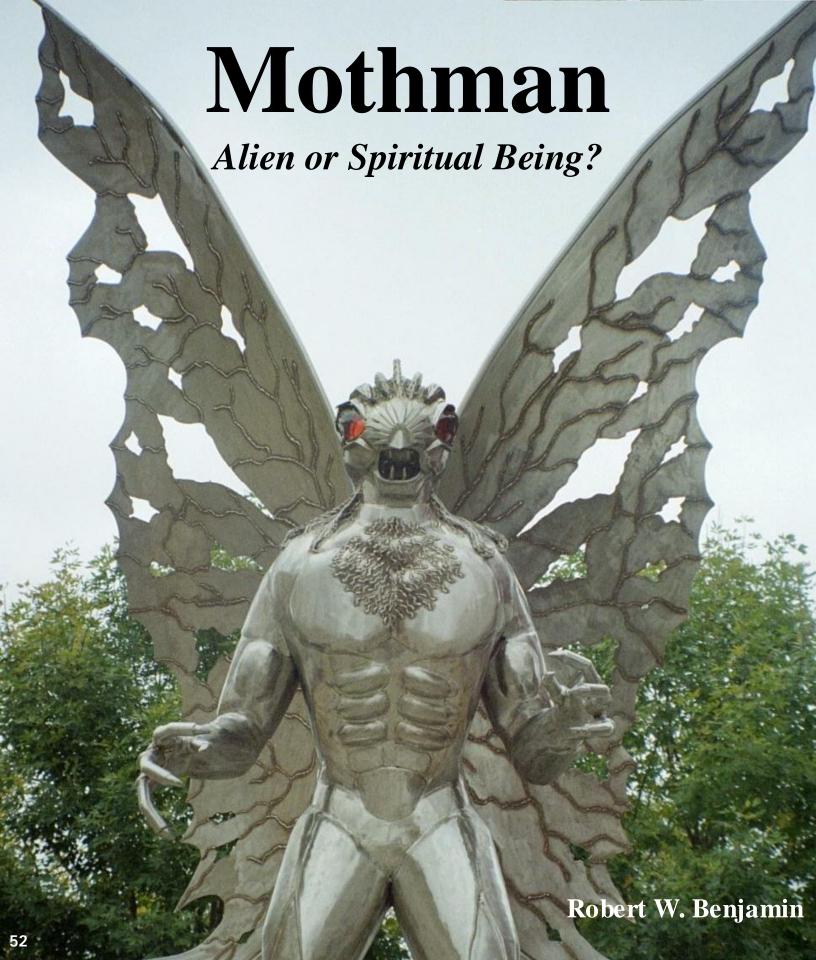
Military Officials announced that two F-16 jet fighters scrambled from a NATO base chased a triangular shaped object for over an hour. One jet locked the object in on radar. On the pilot's screen it looked like a diamond.

There have been recent sightings of unexplained lights near Phoenix and triangular shaped craft over New Mexico and other parts of the Southwest.

The **International** Paranormal UFO Society asks anyone with information about the Phoenix Lights, triangularshaped craft or other unexplained events related to the 1997 or current sightings us email to ipus@CanYouStandTheTruth. com or write to: IPUS, PO Box 203, Lebanon IN 46052. All confidentiality requests will be honored. You can also Arizona contact our Representative by email at bill@CanYouStandTheTruth.c om IPUS is the International Paranormal UFO Society.

Bill Knell





More than a film or the 12 tall. stainless foot steel sculpture display on in downtown Point Pleasant in West Virginia, Mothman is a strange creature seen in the United States between November 1966 and November 1967, appearing times West several in Virginia, on the border with Ohio. Artist Robert Roach portrayed the creature in his sculpture as people reported the sightings, a man-sized beast with wings and large reflective or luminous red eyes, that scientist tried to associated with owls, but due to the size and characteristics. it is believed that Mothman paranormal was a mostly phenomena, see during the 1966-69 years.

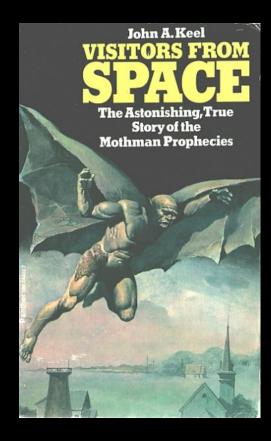
However, some theories Mothman with associate visitors from outer space or a type of Alien never seen before or after his visit. Mothman was first sighted in November 12, 1966, and named after the Batman TV series. The first apparition occurred in a cemetery close to Clendenin, West Virginia while a group of 5 men were preparing a grave. The workers described the being as a "brown human shape

with wings" which lifted off from behind nearby trees and flew over their heads. This sighting was kept in secret in the belief it would not occur again, but 3 days later two young married couples from Point Pleasant, were out for a drive and saw two red lights in the shadows of a nearby World War II TNT factory.

After stopping the car, their curiosity led them to see that the lights were the glowing red eyes of a large animal described as "shaped like a man, but bigger, maybe six and a half or seven feet tall, with big wings folded against its back". This time the creature started chasing couples, the who were terrified drove off in their car. heading for Route 62 toward County the Mason courthouse after finding the creature again standing on a ridge near the road. Later it revealed that poltergeist attacked one of the couples' home later the night, after the same encounter with Mothman.

Apparitions of Mothman continued in West Virginia during all of November 1966, and after the reports, strangers dressed in black began to appear in the area.

Nobody knew who the Mothman, or the men in black were and where they had come from or went, one year later. Some neighbors of West Virginia believe that Mothman was an alien and in black were men government agents investigating the strange occurrences, but most people are convinced that Mothman was a paranormal being and the mysterious visitors were Catholic priests who went to the demonic exorcise creature.



<u>The Mothman Prophecies</u> is a 1975 book by parapsychologist John Keel, described as nonfiction.



The Queen Mary has been a permanent feature in Long Beach, California for a couple fo decades and is one of the most famous cruise ships of all time. The ship has become a hotel, museum and popular tourist attraction, and the historic ship is internationally recognized and attracts thousands of visitors every year. Besides the living guests, the ship is said to play host to

several ghosts. It has been speculated that the Queen Mary might be one of the most haunted places in the world. Reports say that as many as 150 known spirits have taken up residence and lurk in various locations all around the ship.

The Queen Mary sailed her maiden voyage on May 27, 1936. Built in Scotland to be used as part of a two-ship

express service from Southampton to Cherbourg to New York, the Queen Mary is 1,000 feet long, and in her day was said to be bigger, faster and more powerful than the Titanic. She also held the record for the fastest-ever North Atlantic crossing. The historic liner's ocean passengers included the most celebrated people of the time, inc luding royalty, top



entertainment figures and important world leaders.

At the start of World War II in 1939, luxury travel stopped and the ship was turned into a carrier ship that was used by allied forces to carry troops from March of 1940 to September of 1946. It was during this time that she would become known as "The

Grey Ghost". By the end of World War II, the ship carried had than more 700,000 troops, traveled over 500,000 miles and played a significant role in almost every major Allied campaign. She also

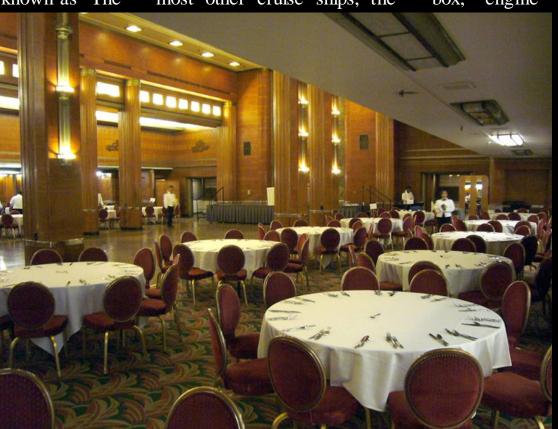
survived

collision at sea, set the record for carrying the most people ever on a floating vessel (16,683), and participated in the D-Day invasion.

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When the war ended, the Queen Mary was refurbished and started up her elegant cruises again in July, 1947, with weekly service between Southampton, Cherbourg, and 56

New York. By the early popularity 1960's, the transatlantic cruises greatly due to the decreased increasing affordability of air travel. The ship attempted to popularity, revive its but central air without conditioning, outdoor pools, or other amenities offered on most other cruise ships, the



attempt was unsuccessful.

In 1967, the Queen Mary was pulled from service and was sold to the city of Long Beach, California, to be used as a maritime museum and hotel. On December 9, 1967, she made her final voyage to Long Beach.

During her 60-year history, the Queen Mary was the site of 49 reported deaths, opening the doorway for potential spirits to haunt her. Reported hauntings include a young crewman in the engine room, swimmers in the first-class pool, a man in black, and a woman in blue. Some of the Queen Mary's most haunted places include the propeller box, engine room, boiler

room, cargo hold and first class swimming pool.

One of these hauntings is thought to be the spirit of John Pedder, a fireman in his late teens who was crushed to death by a watertight door in 1966 during

routine drill. Unexplained knocking has been heard around the door, and a tour guide reported she saw a figure dressed in dark clothing as she was leaving the area where the young man had been killed. She saw his face and recognized him from his photographs. He was dressed in blue coveralls and sporting

a beard. The young man has often been seen walking along Shaft Alley before disappearing by door number 13. This famous door was used in the filming of the Poseidon Adventure and has reportedly crushed at least two men during the ship's history.

The first-class swimming pool seems to be a hot spot for ghostly encounters. Wet footprints mysteriously appear even though there's not a drop of water in the pool. These footsteps lead from the deck of the pool to the changing rooms. Women in vintage bathing suits are occasionally seen stopping by for a swim, even though the pool has been closed for more than 30 years. There have also been reports of seeing the spirit of a young girl carrying her teddy bear with disembodied along voices, laughter and splashing sounds.

In the second class pool area the spirit of another little girl named Jackie is often been seen and heard. The girl drowned in the pool during the ship's sailing days and doesn't seem to want to move on. Her voice and the sound of laughter have been captured in this area.

In the room that was used as the third class playroom, there have been reports of the sound of children crying in the nursery room. There is also a report that a single baby's cry has been heard. This crying is thought to be that of an infant boy who died there shortly after he was born.

In some of the first-class staterooms there have been reports of a tall, dark haired man wearing a 1930's style suit showing up in various places. In addition to sightings of the man, the faucets and lights get turned on in the middle of the night, and phones ring in the early morning hours but no one is ever on the other end of the line.

There are several other reports of sightings about the ship including a beautiful young woman in an elegant white evening gown who dances alone in a shadowy corner of the salon, which was once used as the ship's first-class lounge. Another mysterious woman in white has been seen close to the front desk. She will usually disappear behind a pillar.

Other phenomena that has been reported throughout the ship include the sounds of knocking, doors slamming and high pitched squeals, drastic temperature changes, and the recurring smells of another time.

The Queen Mary has been investigated by a number of paranormal professionals, printed publications, television shows like Ghost Hunters and Most Haunted, and several others. In addition to portions of the movie "The Poseidon Adventure" being filmed there, the X-Files filmed a 1998 WWII era episode about a time warp in the Bermuda Triangle aboard the ship. That was a great episode - it was called "Triangle" - you should check it out if you missed it!

On the Ghost Hunters episode, what was thought to be a fantastic paranormal event caught on tape turned out to be not so fantastic as it appeared someone had tampered with the video camera. So is the Queen Mary really haunted or not? The Ghost Hunters are heading back out there in February of 2008 to see if they can find out. Hopefully there won't be any tampering this time and they can capture some evidence to support all the claims of paranormal activity on the Queen Mary.

### Aliens, UFOs, Alien Abductions, & Close Encounters

Andy Chains

I've been a sci-fi fan since before Star Trek's Captain Kirk split his first infinitive ("To boldly go ..") - but I have to doubt if we'll ever encounter any of his intelligent alien friends or even any unintelligent alien microbes.

Some will assert that UFOs are a fact - but this only seems to mean that objects have been seen flying that were not identified - hence, by definition, they are 'unidentified flying objects' but that does not make them spacecraft - just alien unexplained observations. Unfortunately, UFO data is not very convincing of an alien connection - and if aliens are amongst us, they are keeping a very low profile.

One hears statements such as: "Given the billions of stars in the universe it is beyond reasonable doubt that some sort of life exists in outer space"...and..."There's no question but that we live in an inhabited universe, that has life all over it"

Unfortunately, the above type of statements tell us nothing - and until such time as genuinely solid evidence arises regarding UFOs, aliens, close encounters and/or alien abductions, we can really only weigh up the likelihood of extra terrestrial life based on the data that is available to us.

It's certainly possible to make a plausible-sounding case for extra terrestrial life. For a start, we know that life exists on earth and we infer that it once did not exist. So at some point in the 4 billion year history of the earth, life arose. If it arose via a natural mechanism, then we may infer that the same mechanism might occur on any earth-like planet anywhere in the universe. Thus, alien life may seem plausible, even probable.

The 'Drake Equation' (Frank Drake 1961) goes beyond this - it seeks to makes an estimate of actual number of potential planets in the universe with life. calculation is based on various assumptions, the key one surely being that life is highly likely to exist on any given earth-like planet - and the equation then implies that that there could be millions of throughout the universe with life - many life

forms would be intelligent and many would be more technologically advanced than ourselves.

However, a problem with the key Drake assumption arises as a direct consequence of Darwin's Theory Evolution. This theory asserts earth's organic the produced complexity was gradually, over a period of several billion years, by the action of natural selection, causing gradual changes over many successive generations of self-replicating organisms.

But consider this - the number of generations along any sequence of evolution must be finite - one cannot fit infinite number successive generations of selfreplicators into the finite history of the earth, no matter how short each one may be. Hence, if traced backwards, every evolutionary sequence must lead to a very first member - a self-replicating molecular entity that arose spontaneously (without the aid of natural selection, since there were no generations prior to its existence) some 3000+ million ago. Indeed, years every evolutionary sequence would lead back to the very same first self-replicating molecular entity, the common ancestor to all subsequent life forms - unless more than one self-replicator arose independently.

So, for life to exist on any

planet, anywhere in the universe, a selfreplicating molecular entity would have to arise spontaneously, for Darwin-like evolution to then follow. There is no "mechanism" involved, that we may envisage having once operated on the earth, and being likely to equally operate any on planet earth-like in the elsewhere universe - since the occurrence of a fist self-replicator is an entirely random event.

My own estimates indicate that, even if we assume every single star in the universe has an earth-like planet in orbit, and even if the first self-replicator was far simpler than the simplest known cells, the probability of its spontaneous origin on any

earth-like planet is mindbogglingly small.

Given our lack of knowledge about a potential first self-replicator, my assumptions about it for the purpose of my calculation are, of necessity, arbitrary - but I

Michael Carroll

suggest that no reasonably realistic alternatives would justify the Drake-like assumption that life is highly likely to exist on any earth-like planet.

Indeed, there may well be millions of planets throughout the universe possessing the essentials for life (water & even organic molecules) and yet which are totally dead - because the self-replicating molecular entity, essential for subsequent evolution, did not spontaneously arise on any of

them. The number of planets supporting life may well be just one - this one.

However, on the plus side - all those millions of planets will be unoccupied, unpolluted Edens, ideal for 'seeding' and for our future colonization,

allowing us to spread throughout the universe unopposed by aliens. **Future** interplanetary wars envisaged in alien movies such "War of the Worlds", may well be between those who remain on the

earth and the descendants of those who've made their home on other planets, subsequently seeking their independence from the 'home world' - not a bad story line for a sci-fi film!

# When Science-fiction Becomes Reality

Jennifer Longe

According to Wikipedia, science-fiction is a broad genre of fiction that often involves speculations based on current future science or technology. There are many featuring movies events, gadgets, creatures and people that are very unlikely to encounter, meet or happen in real life. But as time passes by and science and technology advancing keep on improving, many elements considered which are belonging to science-fiction movie are now coming to life.

The most popular sciencefiction elements are extraterrestrials. In this category we have E.T. The Extra-Terrestrial. Close Encounter and Independence Day. It's still unclear if there is life on other planets despite claims of UFO many sightings, alien encounters, abductions and let's not forget The Roswell Incident. NASA detected what seems like methane on Mars' atmosphere which means possible life on the planet. – I hope that they look like us and not small, green with big headed people,

coz that would bring back nightmares which will turn out to be real this time. What I fear most if there is life on Mars that for some stupid earthling reason we'll decide to attack them and turn this into Earth Attack. I hope that the Mars mission won't turn into Capricorn One.

One of the most beautiful science-fiction magical elements is space traveling. There is a 1902 black and white silent French movie titled Le Voyage Dans La Lune (A trip To The Moon). Boy, that movie must have silly seemed SO and unbelievable back then – The trip part, not all the freaky stuff that happened up there until July 20th 1969 when man first walked on the moon. Now, not anyone can go to unless you're astronaut –Duh! - a star. wealthy or a VIP. There some companies such as Virgin Galactic. one of Richard Branson s' Virgin Group corporations, which will be offering spaceflight to passengers. But it doesn't come cheap, the first 500

flights are between \$200,000 and \$100,000 – Seems like only some of the people mentioned above will be able to afford them - and the next ones, \$20,000 – Start saving.

science-fiction Another element is disaster. The type where the earth or mankind is about to disappear – I wonder which animal would miss us the most – and someone has to set up to save humanity; or some kind of disease and survival of the fittest comes back in style. We have Armageddon, I Am Legend and The Day After Tomorrow. The real life natural event which easily comes to mind is global warming. Temperatures are rising, ice in the artics is melting, pollution is on the increase and animals are going instinct. If Mars is unoccupied and that it is possible that earthling can live on it, I hope that we will take better care of it.

Huge scary monsters destroying everything and terrifying everyone are also science-fiction elements. The most popular ones are King Kong and GodZilla. In a

decade or two, monsters 16 feet tall and weighting 6 to 12 tones may be walking amongst I'm talking about us. Manfred's brothers and sisters. Yes, mammoth. Scientists have found wolly mapped with mammoth DNA which they intend clone to use to mammoths: like in Jurassic Park. Mammoth went extinct because of food scarcity and rise in temperature. With warming Global and the increase of food price, I wonder how and where they will live. Good thing that they were herbivore.

The technology in sciencefiction movies always makes us dream and wonder if it will one day come to life. The dreamiest are flying cars like in The Jetsons and The Fifth

Element. I'm going to be honest and say that it is one invention I though won't be coming around any time soon, but turns out that I was wrong thanks Parajet to Skycar. It drives like a car and flies like a Don't plane. get carried away yet. The flying car hasn't been tested yet but there are plans of it flying from London to Timbuktu by the end of January.

Last but not least, we have robots and artific ial intelligence. There are many movies such as I, Robot and which Terminator feature metals held together with bolts and nuts looking and behaving like human beings. We also happen to have some in real life like the robot suit which can assist people by lifting heavy loads and assist people with disabilities climb stairs and the kitchen assistant robot which can take care of house chores and robotics pets (mostly dogs).

So far, there isn't any time travel machine – that I have heard of – like in Back To The Future and that's probably for the best because whichever individual or country manages to create one will most

probably use it to change history in their advantage or maybe even make it worse.

A few days ago, a US Airways plane which was bird stroked, an engine caught fire and crash-landed into the River. All Hudson the passengers and crew survived. Everyone believes that it is thanks to the pilot and hero Robert Bea who handled the situation amazingly. Now if this was in a movie, it would have been seen as a great plot, exaggerated and not likely to happen. Now that it has, if the crash appears in a movie, people will say "Great just like the landing on the Hudson River." But the movie won't leave such a big mark in viewers mind because it has already happened.



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