

COSMOLOGY NEWSLINK

SUMMER-WINTER
1992

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No. 45

Extraterrestrials IS THERE LIFE BEYOND

America's Pioneer-10, first spacecraft designed to fly beyond the solar system, carries a message which might be understood by intelligent beings from another

als

Extraterrestrials IS THERE LIFE BEYOND EARTH?

woman and a code utilizing the frequencies of pulsars (cosmic sources of radio energy) and the wavelength of the hydrogen line. There is also a representation of the

of the plaque is shown here in the
m. da Gal.

TIME
TRAVEL

U.S.C.S.
WITCHIAFT

PSYCHIC
*
LIFE AFTER
DEATH
*
BIRTH OF
THE
UNIVERSE

COSMOLOGY NEWSLINK

CNK

SINCE 1972

INTRODUCTION

Cosmology is the science of the Universe as a whole; a treatise on the structure and parts of the system of creation. The title COSMOLOGY 'NEWSLINK' was formulated from the need to fit together inter-related subjects which may or may not have bearings on each other and perhaps leading to the answers or conclusions of some of them - if not all of earth's mysteries in which case this magazine has accomplished its function. Most of our title was suggested by Mr. Patrick Dineen, of Co. Kerry Ireland, We added the LINK.

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EDITORIAL

This issue of CNK, we hope, has had the benefit of finding ourselves with a new printer, who can produce it as reasonable priced as the last issues, prior to the recession of England forcing us into near closure. The position is exactly the same as for issue 44. CNK still cannot as yet be regularly produced due to severe financial setbacks, as we produce solely as an interest and information exchange. Of course, a DONATION would not go amiss and would be gratefully received so that the next issue will come out and beat the recession a little. Therefore the next issue may not appear until 1993 or 1994, so keep watching out for us. Until we become a public subscription journal, I'm afraid that's is how it is going to be...unless the readers can help?

ONCE AGAIN, we see the authorities in action, covering up UFO sightings by aircraft (page 3). What England needs now is a freedom of information act as now in force in the U.A. And how right Jenny Randles is in her everlasting quest for the truth!

Autumn is coming again for 1992, or has gone, depending when you are reading this, and I am thinking if we are likely to get another crop of grass circles this time. One thing is for certain...they still only are enigmas of Wiltshire. I have not personally seen any circles myself in this area, which is mostly farmland with much corn to be seen...and never a trace of a circle. Great big feet, a ball of string, and a pole, still seem to be the only explanation. We shall see, we shall see!

WHAT DO YOU WANT DEAR READERS?

What interesting items gets you going? What would you like to read about in CNK? Gene Duplantier of Canada likes to see more space material and astronomy, others like the paranormal. Witchcraft for some, and physics for others. Make CNK your magazine. Tell me now. If you like us, tell others, if not...tell me. (address back page).

COSMOLOGY NEWSLINK WISHES TO THANK THE FOLLOWING FOR THEIR MATERIAL:

MUNDO MONITOR, FORESIGHT, ELAINE IBIRICU, BRIAN SMITH, STEPHANIE WALES, THE SUNDAY MAIL, AWAKE MAGAZINE, DUNMOW BROADCAST, EVENING STANDARD, JOHN BARKLAM, JENNY RANGLES, and Robert Hale Publishers, and all who helped with the production of this magazine. 'Printed' by PRONTOPRINT, Duke St., Chelmsford.

UFO

—SIGHTINGS—

Close encounter baffles

UFO experts



BRITANNIA AIRWAYS
BOEING similar to the
one in an air miss with
the UFO.

A HOLIDAY JETLINER flying in from Crete last summer nearly collided with a mysterious black, lozenge-shaped Unidentified Flying Object, as it descended towards Gatwick, England.

The near miss was reported by the Civil Aviation Authority report, at 14,000 feet over southern England, was only disclosed in April 1992.

The object moved through the sky at 120 mph and shot past the aircraft at a distance of only 100 yards and passing 30 feet above the left wing. The pilot of the Britannia Airways Boeing 737 saw it just 500 yards ahead of him at the same level, and there was no chance for him to swerve. Seconds later the UFO headed east and disappeared.

A CAA spokesman said speculation the aircraft was in contact with extraterrestrials was unfounded. He added it may have been a balloon sent up by balloonists to test the weather.

However London controllers were said to have tracked the object and had warned another aircraft to turn to avoid a collision.

The passengers were not aware of the incident as radar controllers were diverting the Boeing and also pin-pointing the lozenge-shaped object on their radar.

Later the captain thought his plane had been at a serious risk of a collision.

After the UFO had vanished as mysteriously as it had come, no further sign of the object was ever traced, leaving the UFO experts baffled about where it had come from.

A Britannia Airways spokesman was reported to say: "We don't know for certain what it was but the pilot didn't see any little green men."

The above report was also aired on British TV this year even though the incident occurred over a year ago, which seems to conclude that there is a cover-up of sorts. It is refreshing, however, to see that UFO reports are now being given to the media by the authorities more freely than it was before.

The incident was investigated by Jenny Randles of the British UFO Research Association who promptly ruled out any such notion the object was a balloon, missile, or even another aircraft. She was quoted as saying: This was a classic

close encounter with a UFO. People tend to dismiss reports of UFOs, but when they came as close as this one did to causing a major accident then they have to be treated seriously."

The incident was the latest in an increasing and worrying trend, of UFOs encountering aircraft.

Other similar type of UFO incidents was one very outstanding case of a cargo plane which had a hole thumped through its bodywork by a UFO over Suffolk. It was on its way during the night from Stansted, England to Amsterdam in August 1985 when it was struck by a metal object.



O T H E R U . F . O . I N F O R M A T I O N

Another Lozenge-shaped U.F.O was seen in 1989 of huge proportions as it flew over the Belgian town of Eupen on December 1st but the report is so bogged down with a lot of extraneous waffle of 'hysteria' and cover-ups we shall leave it there, save to say the UFOs seen in Belgium were described as platforms either moving or hovering, the only exception of one with a vertical edge and a dome on top. In fact the diagram which came with the report showed a UFO which when analysed in the darkness of night bears a resemblance to the USA's Stealth aircraft fighter, although only in imagination. The object flew in a unhurried motion as though it was something new being tested out in the night time.

UFO SIGHTED BY SOCCER FANS

(This report as published by UPDATE Jim Wales of the MUNDO MONITOR USA) ...Which would be a "mass sighting": if true, as reported in the Volume 10/6, February, 1992 issue of Sun, a tabloid magazine. Another mass sighting reported in the Feb.18, 1992 issue of Weekly World News as a UFO reportedly was forced to land on the deck of the USS Nimitz, a U.S. Navy Aircraft carrier, in the Western Pacific Ocean on Aug.12, 1991. Alleged top secret pictures show the UFO on the carrier's deck and electric discharges. Four alien "life-forms" were in the ship, the tabloid reported, but "not humanoid in any mental or physical way, but appear to exist in clear glass capsules 3 feet in diameter and filled with liquid said a CIA source". Jim Wales, editor of Update remarked:"Our comics would have a field day with this stuff wouldn't they?" The president Bush knows about the incident, according to the report.END QUOTE.

The problem with this report is it is not only second hand, but third hand. Also some names are not named. Update continues:

"If true, and that's a big if, that would mean 5,000 U.S Navy Personnel were witnesses, but would have to remain silent under security regulations!" (Reprinted from UPDATE,FSIC, 7803, Ruanne Court, Pasadena, Maryland, 21122, U.S.A-if you want a copy of the rest of this report).

MINIATURE U.F.O RIDDLE (date unknown)

A TINY FLYING SAUCER is baffling UFO spotters.

The pint-sized mystery object, nine inches long and "gleaming like a blob of mercury" has been seen twice near Blackbushe Airport, Hampshire.

The first sighting was reported by flying instructor, Laurie Adlington.

The next day pilot Simon Spence saw an object "like a shining honeycomb" hovering over the airfield.

Mr.Adlington, who flew within 15 feet of the UFO said: "It had two short aeri-als and appeared to be motionless.

We cruised around it for 5 minutes and at one stage it went up to 3,000ft."

Mr.Adlington,53,chief instructor at the Three Counties Aero Club, added: "I don't know how it stayed up, but I don't think it was from another planet."

The sighting was confirmed by Mr. Spence, who parted company from the object when it zipped off towards Farnborough airfield at 150mph.

SOURCE: Unknown, reprinted from FORESIGHT

UFO OVER TIBET 23rd May 1991 THOUSANDS OF CHINESE attending an official celebration in the southwest province of Sichuan spotted a UFO slowly spinning through the night sky.

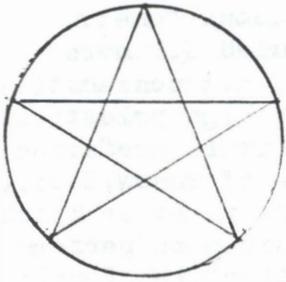
The sighting occurred over the Tibetan district of western Xiangchen county following heavy rain. The UFO

was sighted by a large crowd attending a night rally held to mark the 55th anniversary of the Communist Red Army's passage through the region during the 1934-5 Long March. Thousands of people witnessed the UFO shining and moving forward in spirals for 11 minutes, the report said.

SOURCE UNKNOWN. Reprinted from FORESIGHT Magazine.

CONTINUED ON PAGE 15

for more UFO reports



WITCHCRAFT

Report from Elaine Ibiricu.
Introduction by E.Harris, Editor.



WITCHCRAFT IS AN ANCIENT RELIGION surpassing Christian times. However mention witchcraft to anybody and many automatically think of something nasty. After all we have many fairy tales of witches, warlocks, both good and evil. In other countries it may go under a different name, like voodoo etc.

DURING the last ten years many books have been written on witchcraft. Maybe this ancient cult is based on solid metaphysics. The casting of spells is based on this, unfortunately it does not work for budding newcomers to the craft if their thoughtprocess is not strong enough. The rites are based on strong belief. If you have ANY doubts when casting a spell, it is sure to fail. CNK will not be giving out spells in any issue, since amateur witches can devise their own. It is trial and error. This article is intended to be 'educational' and a brief history into the goings on of the craft. One bit of advice I must give the reader who wishes to divulge in this ancient art is that it must be kept TOTALLY SECRET, even from other witches. This advise comes from a booklet called: Winning with Witchcraft by Joan Williams, and to keep even her book secret this was a non-de-plume. Not all witchcraft is used in a malevolent manner, indeed some withches have appeared on TV (they should have known better) saying white witches use their powers for good, even healing and problem solving.

DOES WITCHCRAFT REALLY WORK?

For some it seems to. The casting of good spells does bring about a strange effect. Whether this effect is really CO-INCIDENCE or there is a non-seen stronger element at work, I don't know. Yet, at other times, a witch can cast a particular spell until the cows come home and muster all the belief she holds in that spell, and nothing works. If a spell does not work, then many will tell you that you are doing something wrong. I personally know of someone in financial trouble, cast a spell and a week later won something on the State lottery. The prize came out of the blue, not a lot, but he was staggered by the sheer co-incidence. Yet the same spell did not work again.

There now seems that today there is many offshoots of witchcraft. Science has been giving a helping hand. Not all those who dabble in it 'fly around on broomsticks and boil up pots.' tda

E.Harris, _____

Saxon tradition of witchcraft the Seax-wicca. Instead of an oath of secrecy per se the Seax-wicca have a rite of self-dedication. This means that their rites are available for study.

INTERESTING FACTS OF SAXON WITCHCRAFT

1. WODEN and FREYA were the two most important and most widely worshipped deities. Woden, of course, is especially remembered in the weekday "Wednesday" and Freya in "Friday". The other days were Sunday for the sun, Monday for the moon, Tuesday for Tuisco or Tiw, Thursday for Thor, Saturday for Saturne.
2. The Seax-Wicca believe in reincarnation, always in human form. There is no separate Heaven and Hell in the craft philosophy. At death your spirit goes to one place, known as the summerland. There you rest and relax. There are reunions with past friends and loved ones, and there are meetings with the God and Goddesses to plan your future life. The Seax-wicca feel there are usually seven incarnations undergone, but what happens at the end of the seven-life cycle no one really knows for sure.
3. Many witch traditions believe in retribution in the present life, i.e. there is no thought of a big judgement day. In witch beliefs you get back at three times the magnitude, whatever you do, be it good or evil. This hopefully causes you to stop and think about what you do, and the affects of your actions on others. The Seax-wicca feel, though, that you are entitled to set up protection for yourself, something that will not only protect you but will also help send back the other's evil.
4. The Hierarchy: First, there are those who do not actually belong to the craft, called Theows, having been to one or more meetings perhaps the Theow then wishes to become full member. He or she would then be placed in some sort of training programme and become known as a Ceorl, a neophyte. This leads to eventual initiation. It is usually a member of the opposite sex who is appointed as the Ceorl's teacher. The Ceorl is encouraged to question and seek answers and is also trained in the use of the Witch tools, the hierarchy of the coven, herbal Lore and Divination.

Once initiated you are known as a Gesith. There are no degrees of advancement. Every Saxon witch is a Gesith. From amongst the Gesiths the priest and Priestess are chosen. They will reign as

such for at least 13 moons (one year). When one has ruled for more than one span, even if not consecutively, one is known as a high priest(ess).

With the Seax-wicca it is preferred that you go the course of Theow, Ceorl, and Gesith, but, unlike in other witch traditions, it is possible to perform a rite of "self-dedication", i.e. of Self Initiation, and start your own coven. 5. Since anyone can do Magick there can be White Magicians and Black Magicians—those trying to help others and those trying to harm. By virtue of the Seax-wicca's belief in retribution, however, you cannot have a so-called "Black Witch". It would be a contradiction in terms. Therefore, the wicca tradition only concerns itself with white Magick.

Galdra is the Saxon for Magick, a Galdorcraeftig is a "person proficient in Magick".

* * * *

EXTRACT FROM "The Quest for Merlin"
by Nikolai Tolstoy
Published by Sceptre Date not known.

SHAMANISM is a name of convenience used to describe certain religious practices first clearly identified in Siberia. The name derives from the Tungus people of Siberia. It is not a religion but an archaic technique of ecstasy very similar to the trance state in which Celtic bards achieved prophetic insight.

Virtually all advanced religions have at one time included shamanistic concepts, often as an inheritance of an earlier phase of religious development. The Shaman is a specialist, whose function is to establish contact with the otherworld. Through this unique capacity he acts as an intermediary for his people with God.

Exactly how old is Shamanism is there are no means of knowing, but it is virtually certain that it was practised Palaeolithic man. Though it is probable that human societies have almost universally passed through a period of Shamanism lasting for thousands of years, we must beware of thinking of either that the Shamanism of modern Siberia necessarily represents a fossilized survival of similar practices in say, Paleolithic Europe, or indeed that there has ever been such a thing as "pure" Shamanism.

Briefly, the Shaman's selection and function is as follows:

Whether chosen hereditarily or at random, the neophyte becomes suddenly subject to aberrant behaviour, usually taken as akin to some neurotic ailment-"madness". Eventually he retreats to the wilderness where he lives alone like a wild animal, surviving on roots, berries and what wild creatures he may catch, until after some time he returns to his people. His behaviour marks him as a Shaman, he begins to Shamanise. This is often preceded by a ritual dismemberment, burial and resurrection, symbolising the seer's rebirth.

He acquires special clothing, usually with animal or bird associations, dancing

and usually beating a drum, he works himself up into an ecstasy. As the mantic fit comes upon him he ascends the World-Tree which links this and the Otherworld, symbolised by a real tree, a specially prepared wooden pillar, or the central post of a tent.

The Shaman, who often simulates in action his bird-flight, is assisted in his task by attendant spirits in the form of dogs, wolves, horses, etc.

Eventually, his journey safely completed, the Shaman awakes from his trance exhausted and generally with no recollection of what has passed or has been revealed.

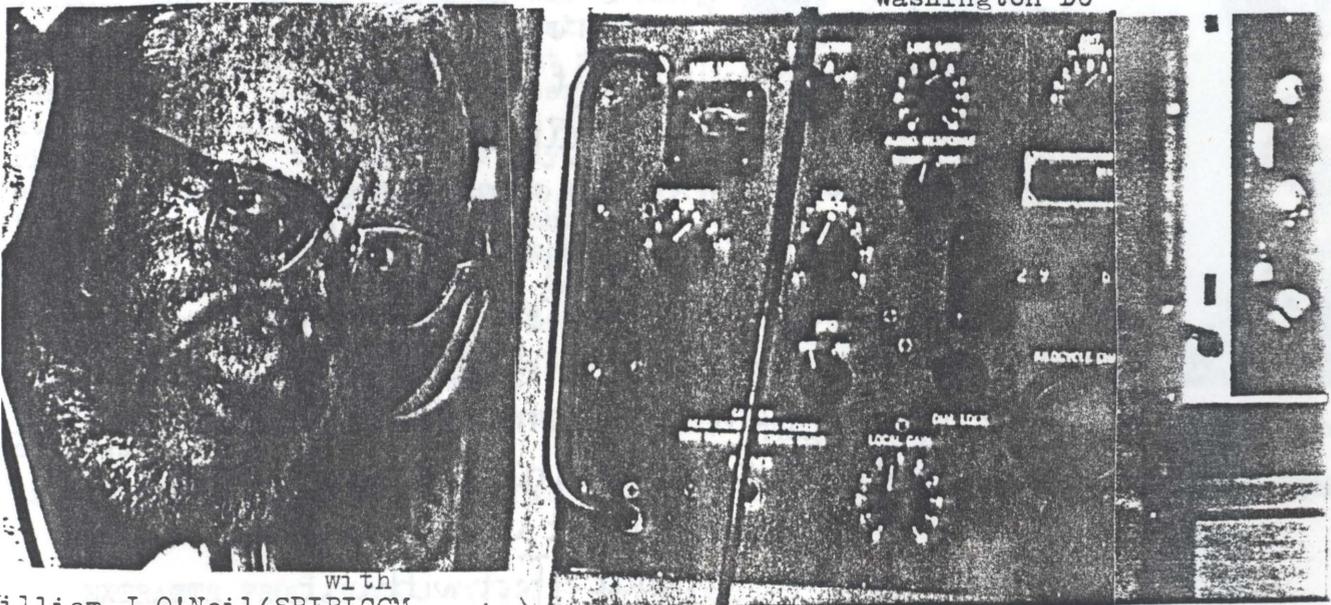
REPORT & RESEARCHED BY:

Elaine Ibiricu, psychic.

Psychic Breakthrough!

Electronic Breakthrough with "Dead"

Washington DC



with
William J.O'Neil(SPIRICOM equip)

RELIGIOUS BELIEFS concerning immortality got an unexpected boost recently when Metascience Foundation researchers announced they had combined electronic instrumentation with certain psychic energies to achieve sustained contact with the "dead".

No visions, no seances with mediums, no random voices from the beyond. A machine - which they have named SPIRICOM. It involves a frequency modulation system using supplementary audio tones.

"For the first time we have electronic proof that the mind, memory banks and personality survive death of the physical body." foundation president George W. Meek announced at a recent news conference held at the National Press Club here.

The SPIRICOM equipment, Meek said is only an elementary start toward the perfection of a communication system using "electromagnetic and etheric energies that should someday permit those living on earth to have telephone-like conversation with persons very much alive in higher levels of consciousness. Beyond that there is the distinct possibility of a television like device he added. Meek sounded one cautionary note. Perfection of the instrumentation may take quite some time. For one thing, Meek and his colleagues at Metascience find themselves temporarily out of communication with the "dead". That fact and the realization that the use of psychic energies by SPIRICOM's only operator to date had been somehow essential to the success of the experiments, prompted Metascience to release full details of the instrument-including wiring diagrams. "That way

other reseachers around the world could duplicate the results and go beyond" Meek said.

The proof for all this? It comes in the form of hours and hours of taped conversation that took place in 1990 and 1981 between SPIRICOM operator William J.O'Neil and a man named Dr. George Jeffries Mueller. The point to note is that Dr. Mueller, an American physicist, died of a heart attack in California in 1967.

There have been other contacts, Meek told reporters but the conversations with Mueller proved most useful. After exhustive investigation of details of his life that he provided via SPIRICOM--including some details that were known to only a few living people---Metascience researchers were finally convinced of the authenticity of the contact. At first even the researchers could not believe their success. "Many times," Meek remembered, "we shook our heads in disbelief when we seemed to be talking to persons who had died years ago."

Some of those could provide few documetable facts about their lives--as was the case of a taped excerpt Meek played reporters from a man who claimed to have died in rural Maryland in 1830. Few records exist in that area from that time.

CREDIT: METASCIENCE NEWS, and reprinted from FORESIGHT No.102.1990.

DEATH is nothing at all. I have only slipped away into the next room. I am I, and you are you. Whatever we were to each other, that we still are. Call me by my old familiar name, speak to me in the easy way which you always



Henry Scott Holland
1847-1918
Canon of St Paul's Cathedral.

I.P.P THESIS OF LIFE AFTER DEATH

"MANY LIVES, ARJUNA, YOU AND I HAVE LIVED.
I REMEMBER THEM ALL, BUT THOU DOST NOT."

By Stephanie Wales, I.P.P.

This is the remembering of SRI KRISHNA.

I have chosen to open this essay with a summary to illustrate a complete sentence that describes the term LIFE AFTER DEATH.

I do not expect that this will be something to skip on detail with and therefore expect this essay to last a few pages (or issues of this magazine).

All of us at some point in our lives will wonder what is in store for us when our turn comes to die. Is there a heaven? A hell? A place inbetween? Are there really spirits? Is it possible to be reborn? Shall "I" be a ghost?... destined to haunt with chains and never ending peace? Will I really meet my loved ones on the other side? Is there a God? Does he know me? How will I know the right path from the wrong path? And many more things like that, all cause us to question the truth as to whether we want to believe that there is some wonderful place that we can all return to. Do we not "invent" our belief, to give our minds rest to somehow give us some hope to hang on to, that there is something after this. Who really knows, yet we all care, even if we don't openly admit as much, we ALL HAVE TO FEAR DEATH.

So why does death scare us so much? Why do we question that we even should HAVE an after life? Perhaps its because we are creatures who are instinctively afraid of what we do not know, cannot see, feel, touch, or smell.

Anything that cannot be scientifically proven or metaphysically explained or medically shown is automatically viewed with curiosity and sceptism, with fear and dread, but always with a desperate NEED to know the real truth.

Who amongst us has the ability to show another amongst us, that which we are not all blessed with-THE SIXTH SENSE, the ability to see what others are not able to see. Why then, do some of us have the ability and some of us don't? Who decrees what we are or what we can do? Is it GOD?

It is my aim to endeavour to put the facts straight, to lay before you documented advice and theory, investigations of my own and forbearing conclusions about the greatest fear of mankind. I cannot tell you facts because they do not exist, but with the ensuing documentation, maybe the fear will be lessened.

I will refer to the oldest book of time the "BARDO THODOL" or as most people call it preferably "The Tibetan Book of the Dead".

Let me ask you if you can answer truthfully, do you remember being born? Stupid question? Then think on it for a moment. Who amongst us can say "YES?" None I think. Indeed I know, as do you. Yet why then do we not fear birth? It is because it is physical, because there is someone to whom we can ask that question and they can tell us of our birth. Yet there is no one to ask about our death,(if we ever had one). If we had no proof of birth, what would our fear be then? A fearful thought isn't it?

In the Bardo Thodol, they ask this question of birth and then ask that if we cannot remember our birth, why should we remember our death? That should make logical sense just on it's own. Our birth was totally individual. None of us experienced quite the same kind of birth as anybody else. Some of us were breach born, some cesarian born, some normally born. Some of us were born quickly, some after a prolonged labour, however it happened, it was a unique experience to the individual person, shared only by our mothers and other witnesses aiding us into this world. The same applies to death. That is a totally unique experience EXACTLY what any other "BODY" will experience. It may be similar, but NEVER the SAME. That is the worst mistake that we are making when we think of death. The book of AZRAEL, teaches us that we who are mortal are the lonliest people in the world, for our bodies are our physical prisons holding in our spirit, confining it and preventing it from being free.

Ask yourself if you can FEEL another's pain? Can you experience another's pain? Can you experience another's emotion? Do you know how others think of you? NO. You can only have an IDEA, of that feeling, emotion, pain or thought. Yet a free spirit would SHARE those things with your spirit. That is the FIRST important lesson of death. Accepting that we are INDIVIDUAL and that no two people are EVER going to experience the same experience.

The next step is to look at different types of theories and experiences of death. I will stress firmly at this point that THIS WILL NOT NECESSARILY HAPPEN TO YOU.

Firstly there is religion. The whole world has its different religions. We have Christianity. It is the Christian belief that all good souls go to heaven and all bad souls go to hell. Simple theory, not quite true. They say: "Yea through the valley of the dead shall I go and I shall have no fear." Or something to that effect. Some of us have said that we have been through such a place, that is possible. Some people have been through a severe car accident or operation and their souls have come "out of body" and they return to tell of their experience. Some people speak of the valley of death that they have been there. Some talk of a garden that they did not want to leave. Some talk of meeting relatives that they did not know in this life but could recognise and embrace. Most people talk of travelling through a tunnel into a bright light, which they wanted to embrace. Some talk of beautiful music that seemed to call them and so I could go on. All these experiences did happen BUT only for THOSE people and it will not necessarily happen to you. Why then are these stories so similar, yet so different? It is because we are individual and that because of the circumstances that brought about that experience were either painful, sudden, or peaceful.

I have been present at the death of many patients in hospital and because of my own ability to see what others cannot, I can speak from experience, that to see death, is the most WONDERFUL, peaceful and joyous occasion ever.

It is the words of the BARDO THODOL, a most secret and wonderful RE-BIRTH. Indeed, we NEVER DIE. No matter what religion you be, or what belief you hold, it is commonly agreed that LIFE IS ETERNAL...though interpret that as you will.

Be you born into this world or reborn into the spirit world, it is a recycling of life that is ETERNAL.

"THINE OWN CONCIIOUSNESS SHINING, VOID AND INSEPERABLE
FROM THE GREAT BODY OF RADIANCE, HATH NO BIRTH, NOR DEATH
AND IS THE IMMUTABLE LIGHT."

Buddha Amitabha (Bardo Thodol)

*FOOTNOTE: CNK hopes to continue this debate on life after death when we can, when the publishing situation gets better. EDITOR.

Reprint from FORESIGHT:

Stay cool and you'll live longer

DOCTORS say you could live to 150 or more — by sleeping in a fridge.

American researcher Dr Angelo Turturro and his team have found that by lowering body heat by ten degrees at night they can double the lifespan of mice, and there is every indication it will work for humans. Normal body heat

causes a gradual biochemical meltdown in the body's cells, and medical experts believe this controls the ageing process.

So by lowering the temperature you put the brakes on ageing.

There are difficulties in lowering human temperatures while continuing to make life

worth living. So Dr Turturro is planning to design a sleeping helmet that would use low-intensity microwaves to make the brain think it was nice and warm — while the body was allowed to stay cool.

In other words, laying there in your refrigerated bed, you'll be cold as a kipper but think you are as snug as a bug.

Is Anyone Out There?

MODERN-DAY science-fiction writers did not invent the notion of extraterrestrials. Some 23 centuries ago, a Greek philosopher named Metrodorus taught that a universe containing merely one inhabited world would be as unlikely as a large field growing only one ear of corn. Lucretius, a Roman poet of the first century B.C.E., wrote that "in other parts of space there are other earths and various races of men."

This teaching, called the plurality of worlds, was in disfavor in Christendom for many centuries. But from about 1700 to the early part of our own century, most educated people, including some of the greatest scientists in history, believed firmly in life on other worlds. In fact, one educator of the mid-1800's was widely attacked when he dared to write a paper denying the doctrine.

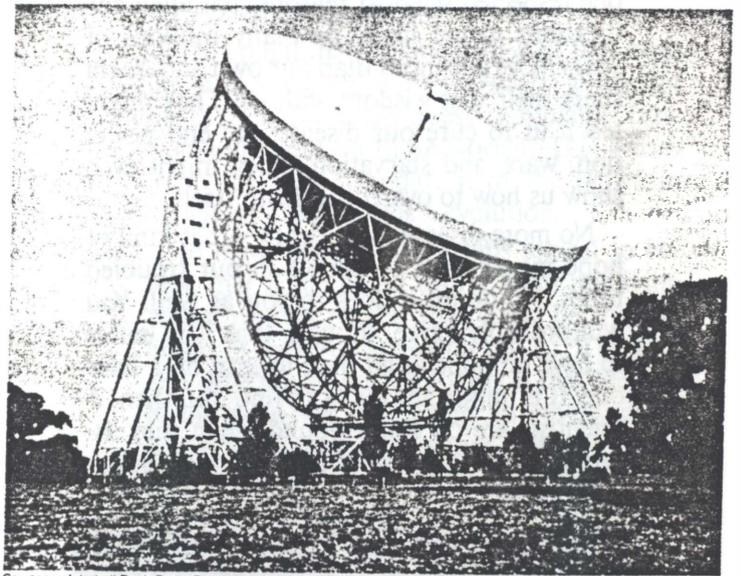
People seemed eager to believe in extraterrestrials, even on the flimsiest of evidence. In 1835 a newspaper reporter wrote that astronomers had discovered life on the moon. He wrote that strange animals, exotic plants, and even little people with wings, hovering about and gesturing visibly, were all seen through a telescope! The circulation of his newspaper soared. Many continued to believe the tale even after it was exposed as a fraud.

Scientists were optimistic as well. In the late 1800's, astronomer Percival Lowell was convinced that he could see a complex system of canals on the surface of the planet Mars. He mapped them out in detail and wrote books on the civilization that had constructed them. In France, the Academy of Sciences was so sure that there was life on Mars that it offered a reward to the first person who communicated with any extraterrestrials *other* than Martians.

Some proposed outlandish schemes to communicate with beings on nearby worlds, ranging from lighting huge fires in the Sahara Desert to planting geometrically shaped forests across Siberia. In 1899 an American inventor erected a mast topped with a copper ball and sent powerful electric pulses through it to signal the Martians. People's hair stood on end, and lights glowed for 30 miles around, but there was no answer from Mars.

Full of Hope

While the technology behind today's search for life on other worlds may be new, one thing remains unchanged: Scientists are



Courtesy of Jodrell Bank Radio Telescope

Extra- terrestrials Where Are They?

still confident that mankind is not alone in the cosmos. As astronomer Otto Wöhrbach wrote in the German newspaper *Nürnberger Nachrichten*: "There is hardly a natural scientist who would not say yes if asked if there was extraterrestrial life." Gene Bylinsky, author of *Life in Darwin's Universe*, put it this way: "Any day now, if radio astronomers are to be believed, a signal from the stars will flash across the unimaginable gulf of space to end our cosmic loneliness."

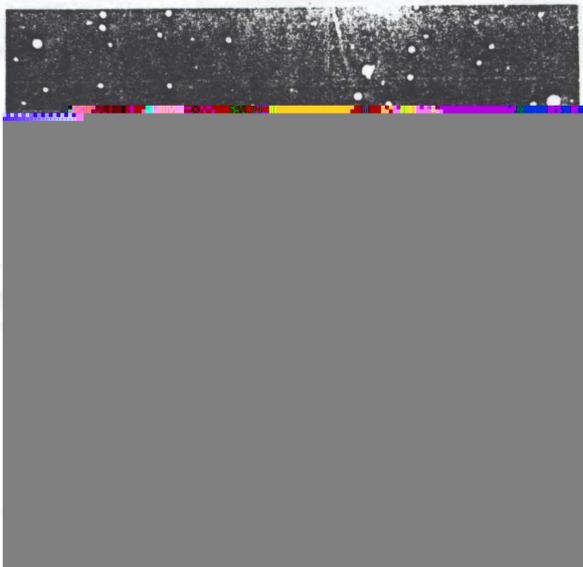
Why are scientists so sure that life exists on other worlds? Their optimism starts with the stars. There are so many of them—thousands of millions in our galaxy. Then the assumptions begin. Surely, many of those stars must also have planets circling them, and life must have developed on some of those worlds. Following that line of reasoning, astronomers have speculated that there are anywhere from thousands to millions of civilizations right here in our own galaxy!

Does It Matter?

What difference does it make whether there is life beyond Earth or not? Well, scientists feel that either answer would have a tremendous impact on the human family. They say that learning that we are alone in the universe would teach mankind to value life here in view of its uniqueness. On the other hand,

one respected scientist reasons that alien civilizations would likely be many millions of years more advanced than our own and might share their vast wisdom with us. They might teach us to cure our diseases, to end pollution, wars, and starvation. They might even show us how to overcome death itself!

No more disease, war, death—that kind of hope means a lot to people in our troubled times. No doubt it does to you as well. You will probably agree, though, that it is better to have no hope at all than to lean on a false one. It is important for us to find out, then, if scientists are on solid ground when they assert that the universe is teeming with populated worlds.



Open star cluster, the Pleiades in Taurus, M45

THERE is a man in Massachusetts, U.S.A., who as part of his work every day checks to find out if any messages have come in. Day after day, none do. For years now, none have. But he still checks regularly, and he is disappointed regularly. Is he unpopular? Is his answering machine broken?

Neither. He checks a machine, but it is not hooked up to a telephone line. It is a computer connected to a huge electronic ear that points up, away from our world, into the depths of outer space: a radio telescope. This man is helping a team of scientists to scan the stars for a message from intelligent extraterrestrials, beings from beyond our world.

Others, like him, have also been listening for 30 years now. In 1960 astronomer Frank Drake became the first man to listen with a radio telescope for signs of extraterrestrial intelligence. Since then, man has, in effect, put his ears in space. Some 50 different extended searches of the sky have been made so far.

Radio telescopes all over the world have joined in the hunt—in France, the Federal

Republic of Germany, the Netherlands, Australia, the Soviet Union, Argentina, the United States, and Canada. As one person put it: "SETI [an English-language acronym for mankind's Search for Extraterrestrial Intelligence] is becoming as international as space itself." One symposium on the subject drew some 150 scientists from 18 countries spanning all five continents.

The most ambitious SETI project yet, though, is due to be launched in 1992. NASA, the National Aeronautics and Space Administration of the United States, plans to use a powerful new device that will make it possible to scan millions of radio frequencies at the same time. The search is projected to last ten years at a cost of \$90 million. It will be some ten thousand million times more extensive than all the previous searches put together.

But when man asks of the vast universe, "Is anyone out there?" he will need more than high-tech hardware to find an answer. In many ways it is a spiritual question. In groping for an answer, man reveals some of his most cherished hopes: the end of war, the end of disease, perhaps even the attaining of immortality itself. So the stakes are high. But after centuries of wondering and decades of searching, how close is man to an answer?

ACCORDING to science writer Isaac Asimov, this is "a question that, in a way, spoils everything" for those who believe in life on other planets. Originally posed in 1950 by nuclear physicist Enrico Fermi, the question capped an argument that went something like this: If intelligent life has arisen on other planets in our galaxy, many civilizations should now exist that are millions of years ahead of our own. They should have developed interstellar travel long ago and spread abroad in the galaxy, colonizing and exploring at will. So where are they?

While some SETI scientists are admittedly shaken by this "Fermi paradox," they often reply to it by pointing out how difficult it would be to voyage between the stars. Even at the speed of light, enormous though that is, it would take a spaceship a hundred thousand years to traverse just our own galaxy. Surpassing that speed is deemed impossible.

Science fiction that features ships hopping from one star to another in a matter of days or hours is fantasy, not science. The distances between stars are vast almost beyond our comprehension. In fact, if we could build a model of our galaxy so tiny that our sun (which is so huge that it could swallow a million earths) was shrunk to the size of an or-

ange, the distance between the stars in this model would still average a thousand miles!

That is why SETI scientists lean so strongly on radio telescopes; they imagine that since advanced civilizations might not travel between stars, they would still seek out other forms of life by the relatively cheap and easy means of radio waves. But Fermi's paradox still haunts them.

American physicist Freeman J. Dyson has concluded that if advanced civilizations exist in our galaxy, finding evidence of them should be as easy as finding signs of technological civilization on Manhattan Island in New York City. The galaxy should be buzzing with alien signals and their immense engineering projects. But none have been found. In fact, one article on the subject noted that "searched, found nothing" has become like a religious chant for SETI astronomers.

The Doubts Begin

A number of scientists are beginning to realize that their colleagues have made far too many optimistic assumptions in addressing this question. Such scientists come up with a much lower number of advanced civilizations in our galaxy. Some have said that there is but one—us. Others have said that mathematically, there should be fewer than one—even we shouldn't be here!

The basis for their skepticism is not hard to see. It could be summed up with two questions: If such extraterrestrials existed, where would they live? And how did they get there?

'Why, they would live on planets,' some might reply to the first question. But there is only one planet in our solar system that is not downright hostile to life, the one we occupy. But what about the planets circling the thousands of millions of other stars in our galaxy? Might not some of them harbor life? The fact is that up to now scientists have not conclusively proved the existence of a single planet outside of our solar system. Why not?

Because to detect one is exceedingly difficult. Since stars are so distant and planets do not emit any light of themselves, detecting even a giant planet, such as Jupiter, is like trying to spot a speck of dust floating around a powerful light bulb miles away.

Even if such planets do exist—and some indirect evidence has accumulated to indicate that they do—this still does not mean that they orbit precisely the right kind of star in the right galactic neighborhood, at precisely the right distance from the star, and are themselves of precisely the right size and composition to sustain life.

A Crumbling Foundation

Yet, even if many planets do exist that meet the stringent conditions necessary to sustain life as we know it, the question remains, How would life arise on those worlds? This brings us to the very foundation of the belief in beings on other worlds—evolution.

To many scientists, it seems logical to believe that if life could evolve from nonliving matter on this planet, that could be true on others as well. As one writer put it: "The general thinking among biologists is that life will begin whenever it is given an environment where it *can* begin." But that is where evolution faces an insurmountable objection. Evolutionists cannot even explain how life began on this planet.

Scientists Fred Hoyle and Chandra Wickramasinghe estimate that the odds against life's vital enzymes forming by chance are one in $10^{40,000}$ (1 with 40,000 zeros after it). Scientists Feinberg and Shapiro go still further. In their book *Life Beyond Earth*, they put the odds against the material in an organic soup ever taking the first rudimentary steps toward life at one in $10^{1,000,000}$. If we were to write out that number, this magazine in your hand would be well over 300 pages thick!

Do you find these cumbersome figures hard to grasp? The word "impossible" is easier to remember, and it is just as accurate.*

Still, SETI astronomers blithely assume that life must have originated by chance all over the universe. Gene Bylinsky, in his book *Life in Darwin's Universe*, speculates on the various paths evolution might have taken on alien worlds. He suggests that intelligent octopuses, marsupial men with pouches on their stomachs, and bat-people who make musical instruments are not at all farfetched. Renowned scientists have praised his book. However, other scientists, such as Feinberg and Shapiro, see the gaping flaw in such reasoning. They decry the "weakness in the basic experimental foundations" of scientists' theories about how life got started on earth. They note, though, that scientists nonetheless "have used these foundations to erect towers that extend to the end of the Universe."

The Wrong Religion

'Why,' you may wonder, 'do so many scientists take the impossible for granted?' The answer is simple and rather sad. People tend to believe what they want to believe. Scientists, for all their claims of objectivity, are not exempt from this human failing.

Hoyle and Wickramasinghe observe that "the theory that life was assembled by an intelligence" is "vastly" more probable than spontaneous generation. "Indeed," they add, "such

a theory is so obvious that one wonders why it is not widely accepted as being self-evident. The reasons are psychological rather than scientific." Yes, many scientists recoil from the idea of a Creator, even though the evidence points that way. In the process, they have created a religion of their own. As the above authors see it, Darwinism simply replaces the word "God" with the word "Nature."

So in answer to the question, "Is anyone out there?" science clearly gives no grounds for belief in life on other planets. In fact, as the years pass and the silence from the stars continues, SETI is a growing embarrassment to scientists who believe in evolution. If various types of life evolve readily from nonlife, then why do we not hear from them in this vast universe? Where are they?

On the other hand, if the question belongs in the realm of religion, how do we find an answer? Did God create life on other worlds?

Are scientists on solid ground when they assert that the universe is teeming with populated worlds?

What About Life on Other Planets?

Some influential religious figures have insisted that God would not create any world without purpose and that all habitable worlds must therefore be inhabited. Is that what the Bible says? No. The Bible indicates that it is very unlikely that God at this point has created intelligent physical creatures on any planets other than our own.

Does that mean, then, that God created all those countless millions of suns (and planets if they exist) for no purpose? Not at all. While we know, considering the uniqueness of Jesus Christ, that the earth is the only inhabited planet in the universe right now, and while we know, too, that it will forever stand unique as the planet where the Creator vindicated the rightfulness of his rulership, what the future holds we do not know.

We Are Not Alone

Day after day, year in and year out, SETI astronomers continue to comb the skies for signals from intelligent life. They feel that their

search may take another decade, or it may take a century. How ironic! They are spending their lives, their hopes, and huge amounts of money looking for a signal that mankind received centuries ago. For the Bible itself is a message from an extraterrestrial Intelligence, and it is superior in every way to the signals that even the most optimistic scientists envision.

ON February 17, 1600, a man named Giordano Bruno was burned alive in a public square of Rome, Italy. Why? His writings had offended the church. Among other things, he taught that there were many inhabited worlds in the universe. Back in the 11th century, the church had declared that doctrine, the plurality of worlds, a heresy. To teach it was to die. Bruno died.

Until the 19th century, the debate over whether life exists on other worlds was carried on in the arena of religion. For centuries, religious leaders and scientists under their influence insisted that the earth was at the center of the universe; that the universe was created in 4004 B.C.E.; and so forth.

Small wonder, then, that many scientists and others have little respect for religion. In the process, though, many have lost their respect for the Bible as well, imagining that it was the source of all those misconceptions. Nothing could be further from the truth.

The Bible does not purport to be a science textbook. However, it is never inaccurate when it touches on the subject of the universe or on any scientific matter. For example, the Bible never says that the earth and man are the center of the universe. On the contrary, its inspired writers showed a clear sense of how insignificant man is compared to the vast cosmos.—Psalm 8:3, 4.*

So, then, according to the Bible, is anyone out there?

THE ABOVE ARTICLE WAS TAKEN IN EXTRACT FORM FROM THE JEHOVAHS WITNESSES AWAKE for April 1990. Although it was slanted towards their concept based on Bible teachings, all I can say at the present moment, the fact we have NOT heard from life in space, then they must be right! Yet, they do say: "What the future holds we do not know." What do the readers think? IS THERE LIFE BEYOND THE EARTH?

Even if other habitable planets exist, is there any evidence that life could originate on them by chance?

UNEXPLAINED GREEN AND ORANGE LIGHTS

IN THE SKY

Family baffled by 'strange UFO'

DUNMOW BROADCAST & RECORDER, NOVEMBER 1, 1989

DID anyone else see unusual flashing lights in the sky over Dunmow last week? That's what Mrs Sandra Thackray would like to know.

For although her family were not all in the same place at the time, they all saw a strange green light "flashing all over the place" last Tuesday evening, October 24.

"It seemed to be moving much too fast for an aeroplane," said Mrs Thackray, a house manager at Croft House. She was driving from her home in Dunmow towards Little Easton at the time, with her elder son, Alan, 21.

"It was still in the sky when we got home and must have been there a good half-hour. We were intrigued by it."

But, she said, the following evening, Alan and his younger brother, Lee, 18, had an even stranger experience when they were out on their motor bikes with a friend.

"They were returning home from a karate class in Aythorpe Roding," their mother explained, "when they saw an orange light in the sky and a terrific orange dome hovered over a field and then landed."

By BROADCAST STAFF

She said one of the boys told her afterwards that he had seen someone running around inside the light.

She said the incident happened on an isolated stretch of road between High Roding and Dunmow.

A spokesman for Stansted said that the airport did not keep a log of unusual sightings but individuals passed on their own reports to the Civil Aviation Authority.

The Civil Aviation Authority said such reports were taken by the RAF "for reasons of national security", but at the Ministry of Defence, a sceptical spokesman said that unless a UFO actually landed in military territory, they were not really interested.

The Thackray family would love an explanation for their sightings. So if you saw something similar or can shed some light on the mystery, do let us know.

Daily Mail May 20, 1989

FLASHING LIGHTS SHOCK 999 MEN

TWO ambulance men claim to have had a close encounter with aliens from outerspace.

Stuart Golding, 30, and Walter Gorse, 42, said they tried to communicate in Morse Code but could not understand the flashing-light replies.

Police also saw red, white and green lights above Heywood Greater Manchester, but officials in nearby Manchester Airport believe it was 'just an atmospheric effect caused by the hot weather.' CREDIT: FORESIGHT.

* * * * * OTHER NEWS ITEMS OF INTEREST: Evening Mail via FORESIGHT 1989:

STRANGE FISH CLUE TO GLOBAL WARMING

STRANGE SPECIES OF FISH appearing in British waters may provide the first real evidence of global warming, according to biologists of marine life. The fish which normally inhabit warmer waters much further to the south, have steadily increased their numbers off the south-west coast of England since 1980. Biologists fear that this may be visible proof of the potentially disastrous greenhouse effect.

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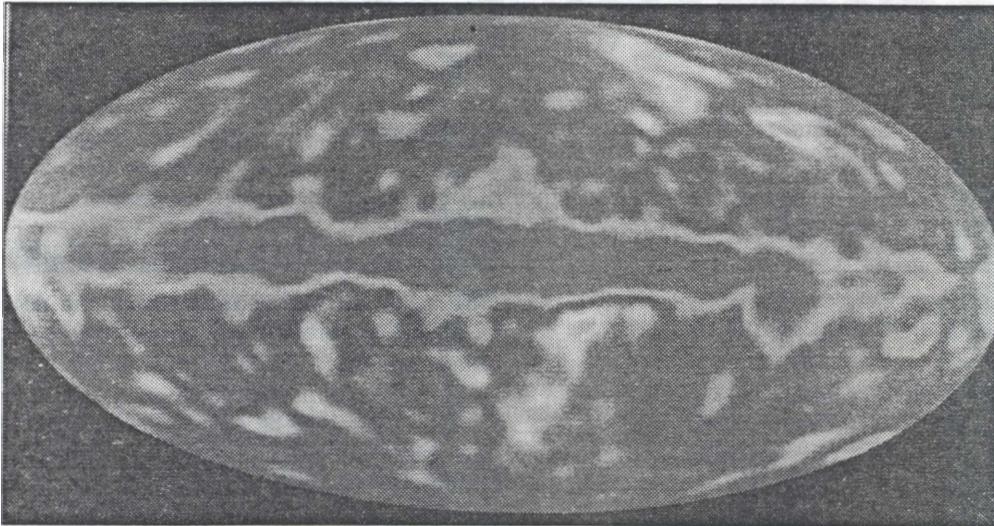
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Scientists solve riddle of the universe

EVENING STANDARD

THURSDAY, 23 APRIL, 1992-

via Rita Harris



Satellite map of the universe shows the ripples of ancient matter as patchy areas

US SCIENTISTS claimed today to have cracked the riddle of how the universe was formed. A Nasa satellite, they revealed, had found huge ripples of matter near the edge of the cosmos — a momentous discovery that explains how stars and galaxies evolved from the original “big bang”.

“What we have found is evidence for the birth of the universe,” said astrophysicist George Smoot, of Lawrence Berkeley Laboratory and the University of California.

The discovery by Nasa’s Cosmic Background Explorer satellite caps a 28-year quest for the solution to one of science’s most vexing puzzles: How did matter that was uniformly spread out in the newborn universe start clumping together to produce stars and galaxies?

Physicist Michael Turner, of Chicago University, called the discovery “unbelievably important. The significance of this cannot be overstated. They have found the Holy Grail of cosmology... if it is confirmed, this certainly would have to be considered for a Nobel Prize.”

British astronomer Dr Gerard McCartan, of Newcastle University, said: “Scientists have been waiting for this for a very long time... it is the missing link in cosmology.”

Smoot, who was announcing the finding to the American Physical Society in Washington this afternoon, said the ripples, which are extremely wispy clouds of

Standard Foreign News Desk

matter, are “the largest and most ancient structures in the universe”, stretching as long as 59 billion trillion miles and dating to almost 15 billion years ago.

That is only 300,000 years after the “big bang”, the cataclysmic explosion scientists believe created the universe.

The ripples were created by the universe’s rapid expansion after the big bang, Smoot said. Once the ripples formed, gravity made increasing amounts of matter clump together, eventually creating galaxies, stars and clusters of galaxies.

“What we have found solves a major mystery, revealing for the first time the primeval seeds that developed into the modern universe,” said John Mather, chief scientist of the \$400 million Nasa mission.

“It tells us how the universe developed from an

almost featureless explosion to something that’s been broken up into huge clusters of galaxies and huge empty spaces.”

Evidence collected by the satellite also supports the theory that up to 90 per cent of the universe is made of invisible “dark matter” that scientists have not yet been able to identify, Smoot said.

Decisive evidence supporting the big bang theory was discovered in 1964 when scientists detected the explosion’s “afterglow” — microwaves known as cosmic background radiation.

The earth-orbiting satellite made more than 300 million measurements since its 1989 launch. It detected nearly imperceptible variations in the temperature of the radiation, which measures 454 degrees below zero.

Those variations — only about 30 millionths of a degree — represent slight differences in the density of matter at the edge of the universe, basically ripples of wispy clouds surrounded by slightly less dense matter, Smoot said.

The smallest ripples stretch across 500 million light years of space, or about 2.9 billion trillion miles, Smoot said. Until now, the largest known structure in the universe was the “great wall”, an arc of galaxies about 200 million light years

long, he said.

Although the ripples were created almost 15 billion years ago, it has taken this long for their radiation, travelling at the speed of light — 186,000 miles per second — to reach earth.

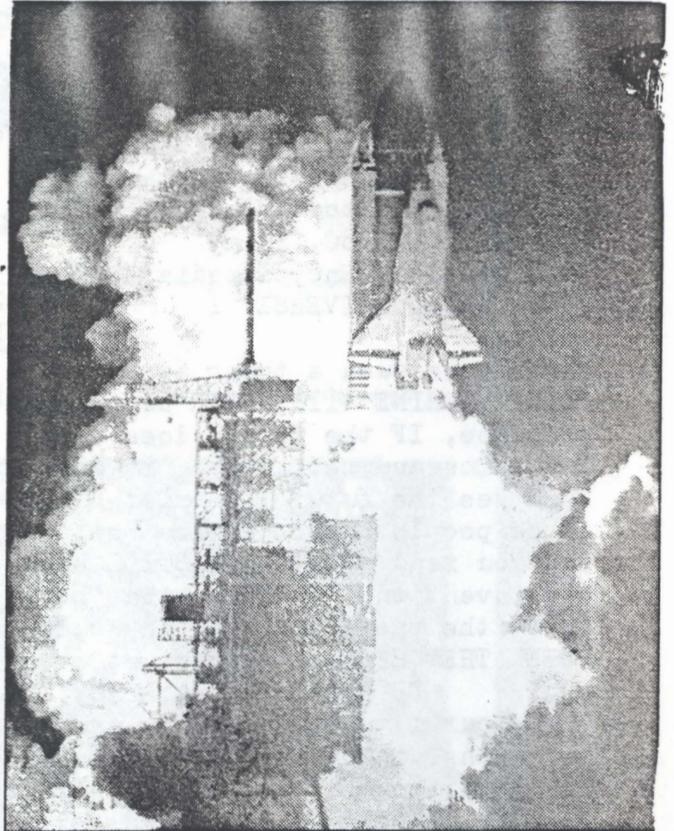
Shuttle crew rescue £100m satellite at 17,500 mph

THREE ASTRONAUTS RISKED THEIR LIVES TO RESCUE AND BRING BACK TO SPACE SHUTTLE ENDEVOUR A DEFUNCT SATELLITE IN MAY THIS YEAR.

Hailed as heroes, Pierre Thuot, Tom Akers and Rick Hieb plucked the satellite weighing $4\frac{1}{2}$ tons on earth out of orbit with their gloved hands and manoeuvred it into the cargo bay of the space shuttle. The shuttle had itself developed a software problem in its navigational system, delaying earlier rescue attempts.

This extraordinary capture demonstrates the need for more training for this sort of emergency, as this mission was totally unrehearsed. Later after several operations by the crew, a new rocket motor was bolted to the Intelsat. After three attempts to relaunch it, it eventually rises up out of the shuttle's bay. NASA officials said the satellite is surprisingly more responsive when touched in space than in a simulator. NASA had also learned much on that day which can't be done in space and what can be done on the ground, ready for any more space rescue attempts in the future.

COMPLIED BY THE EDITOR, from various sources.



The Endeavour blasts off on its voyage of recovery

EXTRAETS FROM ALGOL, official newsmagazine of the YORK ASTRONOMICAL SOCIETY: 15 Enfield Crescent, St. Paul's Square, Holgate Road, York.

Space Shuttle Atlantis launched in March 1992 had the launch cancelled due to high winds, unfortunately also fuel leaks caused problems which put it back also a few days. Finally the shuttle took off with only a few minor problems regarding a report from one astronaut saying that fuel seemed to 'spew' from the main fuel tank (Sounds familiar) which then seemed to spark and exploded after it was separated and fell to Earth, although these reports were never confirmed (or denied). Once in orbit all went well. One experiment which fired electrons at high speed at the atmosphere creating the world's first Aurora Australis.

Dirt and grime of everyday life can be left behind once in space? Not so, says ALGOL. Pollution on Earth is now visible from space. It was seen from the Russian's MIR and the Shuttle over Kuwait and along Saudi coast. Astronaut Kathy Sullivan, said that the atmosphere was much dirtier than it was on her first mission in April 1990. Belgian astronaut Dick Firmout spoke of a strong red layer around the Earth during sunrise and sunset.

The mission was extended due to mission using less electricity than expected. They touched down in early April.

Matthew Smith

Time travel

SCIENTISTS SAY TIME TRAVEL
NOW POSSIBLE

SCIENTISTS USING COMPUTER MODELS HAVE NOW ANNOUNCED THAT TRAVELLING IN TIME IS THEORETICAL POSSIBLE, and cannot see that one day an actual time machine could be possible.

It may also be possible to time travel using another variation to the model. However in 1980, in my own produced Encyclopedia "OUR WEIRD UNIVERSE" I wrote:



By Edward Harris, Editor,
BBC 2 TELEVISION,
Dr. David Deutsch

"I believe such a thing as a TIME MACHINE will NEVER be invented! WHY? Because, IF the future does exist, and psychics and mediums say it does, as some can see the future in brief bursts, then those people in the future who exist now as you read this, have STILL been unable to invent one, at least that goes back into the past...because we would have SEEN THEM HERE BY NOW?—right?

IS THE FUTURE ALREADY THERE?

Is our future already planned? Time is a strange thing. If the future DOES exist, then this book was destined to be out on the 'market' by a certain date (in time) REGARDLESS to which way I squirm and type TRYING MY LEVEL BEST TO HAVE IT OUT BY CHRISTMAS 1979. As it so happened many things were 'thrown' in my way to stop me. No—the future is already planned, they say, and these interruptions along my path, while producing this volume, hindered me. Therefore the FUTURE already knows when it will finally see daylight! My attempts to get it out by a certain date will fail. Why? Because the future is already planned.

An example of the above, I was told, was this. Visit a psychic medium who can 'see' the future already and he or she will ask you to choose a range of coloured objects. You may be asked by the medium to choose a coloured object out of their sight. Now we ALL HAVE FREE CHOICE in what we do. That's what YOU think! But as free as your choice is, that gifted person will tell you after you have picked it (out of sight and are holding it) what object you have in your hand and its colour. They knew in ADVANCE! The medium knew EXACTLY WHICH ONE YOU WERE GOING TO CHOOSE, before you did so, long before you even THOUGHT of selecting

one. This means then that future events are there and we have no free choice as such, maybe variations on it only.

If the future people cannot develop a TIME MACHINE and from what we can see in this time they have not yet done so, then in all probability NOBODY will(?)

The only other way to SEE past events that occurred on Earth or on another world, is to zoom into outer space and catch up with the rays of light which left Earth eons ago. Not possible yet. But visual images should be seen of past events."

We know that light which left the Milky Way galaxy travelling at 186,000mp second takes 100,000 years to cross our galaxy and therefore we are seeing it as it WAS, its distant PAST. Some of these suns in space now do NOT EXIST in their time (or our time). Any Super Nova explosion we are now seeing took place millions of years ago, but its light has only just reached us, even at the speed of light. In this way we can SEE back in time.

ARE TIME TRAVELLERS EARTH FOLK FROM THE PAST. From my book once more:

"Imagine Earth, thousands of years ago. A super intelligent race has conquered space, has developed the flying saucer and zooming around the cosmos in them. It has been speculated that we did once have such a fantastic society by artifacts finds. Imagine on one of their cosmic journeys one of EARTH'S flying saucers, or several of them, came back one day to find that a great disaster had befallen the planet. Earth had tilted on its axis and great floods had swamped the world. Life as the astronauts knew it wiped out. Where would they go? I base this idea on Einstein's theory of relativity that should a spaceship fly out into space

at the speed of light or faster and return, they would not have aged. Time slows down. But people on Earth would have. In fact the world may have altered. A different race perhaps?

Therefore are the UFO's we now see in reality, our own people coming home to discover it so altered, so warlike, so utterly hostile, they prefer only to watch us from a distance? This is the only way a 'TIME MACHINE' from the future would be possible. "

Black holes in space also feature in mathematics for time travel, as we will see later. To use a black hole for time travel is a risky business. Time travel has been based on mathematics other than what is being used today. But to continue with extracts from my OUR WEIRD UNIVERSE:

"Another hypothesis by myself scribbled down in the PAST read thus:
IS TIME A CIRCLE? And do energies in space, the energy which created our world, also travel in a circle, and recreate the world over and over again, like a film being shown over again, or like the hands of a clock passing the same point over and over again, Ad Infinitum?

Was the creation of the world based on TIME? In which case the Bible was written, not in the past, but in the future—that we are now leaving and we are returning to, and sensitives can now pick up these events of the future as they have already happened in the PAST. And as we know the past can be tapped into. " (COMPLICATED ISN'T IT?) If this true, your life will be run over and over again, going through the whole ritual of your heartbreaks, triumphs etc., etc. You will even be reading this again, and I will be typing it all again. "Have you ever been somewhere to another place and it all seems familiar yet you have never been there before. Maybe the TIME IS A CIRCLE hypothesis now fits the reason why (in some cases). As author and editor of CNK and Weird Universe, I had these thoughts way back in the 1950's, when I was at school. I was sitting with my good friend and I had this uncanny feeling that I had met him BEFORE, done this ALL BEFORE and I had no inkling of the occult then... or was it a big imagination. Are these words then SECONDHAND, and as everything in the cosmos is CIRCULAR, ie, worlds, suns, stones, your head, and light travels in a vast circle, could then TIME BE IN A CIRCLE? Think about it?!

Time travel has always been Man's dream, and if it were to become a scientific possibility, it would be highly dangerous to zoom back into the past and try

to alter events for the future. For example, if you accidentally killed a human being in the past, then a lot of people would not exist in the future, their achievements, inventions etc. I'm glad to say that can't happen or I might just vanish.... no I didn't go, because these words would go too, and this book!

Such is Man's involvement with TIME that quite a lot is being done with it. For example, scientists have used maths to calculate time dilation in long, high speed space travel, which is known to actually exist on EARTH when travelling in a high speed jet plane. There is always a gap of micro seconds between them on Earth, while the passengers are microseconds younger than those on the ground, while travelling at that velocity.

To examine the curiosities of TIME dilation, we zoom in on a newspaper item sent to me, unknown origin, it reads:

DR.WHO'S TIME MACHINE IS NOT JUST KID'S STUFF.

When Dr. Who (BBC TELEVISION) steps into his time machine and travels thousands of years into the future, most TV viewers raise their eyebrows in disbelief. But it is just one more example of a science fiction dream which may become a reality. For scientists are investigating the possibility of sending a man on a journey into the Milky Way, a trip which would take him best part of his lifetime and age the spaceman by 40 years. He may return to Earth 70,000 years older.

The centre of our galaxy is a distance of more than 33,000 light years. Even at the speed of light, it would take 70,000 years to go there and back.

The journey is not as impossible as it sounds. The theory is that if a rocket can maintain a constant acceleration, a speed will eventually be reached at which Earth time no longer applies to those on board. Dr. Vincent Icke, an astrophysicist at Cambridge Institute of Astronomy has researched this. He explained: "This curious effect of time dilation means a spaceman could travel to the centre of the galaxy and back, ageing 40 years. For Earth, time will have passed normally in his absence. And when he gets back, he'll find himself 70,000 years in the future.

The main problem to Man breaking the time barrier is the problem of providing the immense rocket power required. But it is being suggested that jet engines fuelled on matter trawled from space could be the answer.

In July 1992 a programme on TIME TRAVEL appeared on BBC2. Entitled ANTENNA in which Physicist Dr. David Deutsch explored the possibility of time travelling based on the latest theories of physics. We have transcribed some of the pro's and Con's of time travel from the programme which answers some of the questions raised in this article. TIME TRAVEL THE NEXT FRONTIER: David Deutsch explains...

"Like immortality or perpetual motion, time travel is one of the endearing fantasies of the human race, but until recently the view held by scientists has been that time travel is impossible. Not because there is any law of physics forbidding it but because if it were possible it would create all sorts of paradoxes. I started time travel as part of my work as a theoretical physicist, I am interested in anything that is fundamental about the way the universe works. I want to know the way things are and how they behave at the deepest level possible.

The Newtonian picture of the universe and its mechanical view of time has been replaced by modern ideas of relativity, and quantum mechanics. Prior to these, time travel seemed impossible. Research being carried out by physicists, myself included, has now shown that most of the objections to time travel are not really obstacles at all, We may not be able to build a time machine tomorrow, but at least it now seems that building one would not be impossible. In scientific circles time travel has become respectable.

As a theoretical physicist I spend a lot of time just thinking. I deal in ideas. My laboratory is my home, here in Oxford. My equipment is a personal computer, a pencil, and paper. "

Mr. Deutsch says on the programme that he keeps in touch with other like-minded scientists' world wide, One of them, Frank Tipler, of Toulane University of New Orleans. Frank Tipler has been studying this subject since the early 1970's. Frank Tipler explains: "An example of Time travel is just sitting in an armchair. I'm now moving into the future. A more interesting example however is that what was conducted by two atomic clocks, one stationary, in Washington DC, and the other one travelling in an airplane to Europe and back. The clock which travelled on the airplane which accelerated actually went through less time, than the one that was stationary. So the clock that moved - moved into the future, than the clock that stayed on the ground."

This then, according to the programme is what Einstein's theory of relativity predicts with clocks. "If the aeroplane had been moving faster than the speed of light, then it could have travelled into the past. Un-

fortunately the same theory also predicts that it takes an infinite amount of energy even to reach the speed of light. Therefore simply increasing your speed is useless for time travel into the past explains Deutsch.

Atomic Clocks and armchairs, he went on to say, are not what we normally think of when we speak of time travel. What usually springs to mind is travelling far forward into the future...or back into the past. "To see how this might be possible we need to look at the physicists picture of time."

Dr. Deutsch says that that there are really four dimentions. Three of which we call planes of space and a fourth-TIME!

He says Quantum physics and Einstein's relativity are being tried out by linking them, possibly together. "In this, space and time are considered normally together. In this model, the past, present and future are all linked together. And in a sense if you are interested in time travel this is what you would like it to be, because if you are going to go back into the past the past has to be there to be real." Says Chris Isham, one of the time scientists.

The programme goes on to say that the point of view of modern physics, space and time are not independent entities but they are linked together in an indeseireable hold called 'Space Time.' This means that it's not just the present that exists, the future also exists, the past also exists. The future and the past are as real as the present. But the point of view of physics, the dinosaurs exist! Even though there has been no dinosuar on Earth for 70 million years.

Returning to Dr. Deutsch : "To many Einstein's view of space time is a difficult concept to grasp. The idea that our destinies might be mapped out in advance gets some getting used to. "

The programme goes on to showing samples of what is meant by time & space with diagrams of horses and men outlining just where they were at any given moment in time.

"But because time isn't a separate entity, space time has a very unusual feature, In a space time view of the world-nothing moves.

There is no particular moment called the present.

Space time shows the entire history- past, present and future. In space time, you can look at all times, at the same time."

It appears that our concept of time is due to our consciousness moving up into the future. The future, say the scientists, is already there. But space time doesn't give any order that it comes in. Therefore you would see things in a most peculiar way. You may even meet a younger or older person than yourself, says Deutsch.

Taking you back into the past is what it is all about. If time is a circle as I said in the beginning of this article, then a loop in time would have to be made in order to go back in time.

Travelling back in time produces paradoxes. One is called the Grandfather Paradox. That means the time traveller goes back to the time of his grandfather who he kills before the grandfather has chance of fathering the father of the time traveller. Therefore the time traveller cannot exist because his father never existed. So if the time traveller doesn't exist he cannot go back in time and kill his grandfather. Does this then rule out the possibility of time travel?

DEUTSCH: "If it possible to build a time machine, surely people in the future would have used it to travel into the past? But since nobody has seen any tourists from the future, some take this as further evidence that time travel is impossible.

Although the grandfather paradox would seem to rule out time travel this is not the end of the story. We have confined ourselves to Einstein's view of space time. To see why time travel IS possible, we have to take into account the strange implications of quantum theory.

At present, the best theory of matter and energy and reality is quantum theory. At the most straightforward level, this allows us to predict ^{now} things like electrons, atoms, and light, interact with each other.

For instance, the transistors in television sets were designed using quantum theory."

Much of daily life depends on quantum mechanics...the whole communication industry, ie TV sets, radio sets, etc., all of these things, they said.

DEUTSCH: In my most recent work I have been looking at how quantum theory could be applied to a hypothetical computer, which calculated according to the principles of quantum mechanics. I did a calculation assuming time travel was possible. As part

of that calculation I took information from the output of the quantum computer, and fed it to the input, before it even LEFT the output.

Now if time travel into the past was impossible the result of my calculations should have been a contradiction. I'd had expected a paradox but surprisingly I didn't find one! Time and again my results showed that nothing bad happens if information goes back into the past. It all works perfectly, and if information can do it, there is no theoretical reason why human beings couldn't time travel as well."

It was the quantum theory which allowed the message in my quantum computer to go back in time. The explanation why this is possible relies on one of the most bizarre ideas of quantum theory. The many world interpretation.

Quantum mechanics deals with the probabilities of things happening, like tossing a coin which is the fundamental properties of nature.

The many worlds interpretation says that in quantum mechanics both possibilities become possible, eg both sides of the coin at once(?)...so you get both, so this is thought of as being different worlds, as if the universe is split into the two copies of itself. One for head and one for tails. In this respect all possibilities occur all at the same time. If then as Deutsch says: "all these life histories are actually happening, then we ask, where are they and why do we see only one? According to the many worlds theory all the life histories do actually happen, but each occurs in its own separate parallel universe. We see only one because there's no communication with the others. They all go on their own separate ways, along their copies of everybody and everything. Reality then doesn't consist of one universe, but of a MULTI-verse, comprising a large number of broadly similar parallel universes."

Not all physicists agree with this however and the debate continues. But quantum cosmology seems to be accepted by many more.

DEUTSCH: "Quantum cosmologists use quantum theory to study the way space and time behave from the creation of the universe onwards. They rely on the "many worlds" interpretation

in their calculations."

This is bizarre to many scientists who don't believe they are copies of ourselves elsewhere, that we will never see. However certain aspects and maths applied to this makes many believe in the many worlds theory.

DEUTSCH : "Scientists are skeptical of new theories, but it is wrong for them not to take a theory seriously, just because it seems outrageous." Deutsch adds. "But time travel only makes sense if parallel universes exist."

Steven Hawkins a noted scientist said recently that in his EARLY calculations, if the universe, which is expanding, should eventually start to shrink back and reverse its motion outward, then TIME would start to run backwards. But later the calculations proved wrong. Yet this is an interesting assumption, if it did.

COULD A TIME MACHINE BE BUILT?

For all the maths ventured in this long article, nobody has mentioned anything about vibrations. These permeate the universe. Atomically, we are all vibrating, and at the same frequency. Should that frequency be altered by accident or by design, then the universe, our universe as we know it, would cease to exist in its present form. Maybe then the Parallel worlds theory could be for real. The only way is to build a time machine, using everything learned in physics, electronics, vibrations, light, and speed. Set your machine, say to a vibration you know occurred in 1954, and if science is correct, you will cease to be in this era, but back in 1954. This is just your Editor's crazy guess, but is it any more crazy than the 'for real' time travel theories now being used in Quantum mechanics and Laws of relativity!

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CHANGES THE WORLD HAS SEEN. By John Barklam

WHAT INCREDIBLE CHANGES we have seen over the last ten years or so. Some of the most incredible have happened in just the last two or three years.

Conspiracies have come and gone; some have started to crack whilst others have been blown altogether. We had reports of the 1000 year drug, tested on mice and, if translated into human terms, would mean we could live to be about 1000 years old. What happened to this? It was shelved, or so we are told, on the basis that we couldn't have humans living to such an age as they would become a burden! Then there was anti-gravity. Many scientists have been engaged in this since the 1940's and, even in England, a device was tested in 1974. What happened to it? No-one will say anything, except that research is continuing! There are the crop circles where there are as many explanations as there are concepts of God. The Philadelphia Experiment began to crack slightly with more information verifying its actuality. Teleportation, it seems, really was possible as far back as 1943, so what developments has research thrown up since then? No-one will say. Landings by aliens, the Roswell incident of 1943, the Eisenhower incident of 1954, the Rendlesham Forest incident of 1980. More information is becoming available that they actually took place. Information was received from extraterrestrials, scientific technology was imparted to us. What happened to it? No-one will say. Politically the world has moved on and is unrecognisable from what it was just a few years ago. Society has changed, not always for the better. It is a very mixed bag. What will the next 10 years hold...I wonder...

J.W.B.B

Recent books

REVIEWED BY STEPHANIE WALES 1991

FOREWORD BY THE EDITOR.

ALTHOUGH the recession has stopped us from publishing due to cut backs I am afraid the book reviews are a little out of date. However as a big thank you to Jenny Randles for sending us a copy of her book some time ago, we had already reviewed it many months ago. The following was the conclusion of our book reviewer only:

EDITOR.

PHANTOMS OF THE SOAP OPERAS

By JENNY RANDLES

JENNY RANDLES WRITES EXCELLENT BOOKS, with a brilliant flow of understanding. But lately her style of writing leaves some readers wondering just what they have been reading about, and we soon lost interest in what this book has to offer. The book itself has much to offer and if only Jenny could keep our reviewer interested, and its this interest which soon waned and the book put down. Otherwise it is a masterpiece from one of the countries leading ufologist. It is a pity we didn't know what it was all about.

* * *

WHAT THE PUBLISHERS SAY

PHANTOMS OF THE SOAP OPERAS: J.Randles.
Price £10.95 from:

ROBERT HALE, Publishers, Clerkenwell House,
45-47 Clerkenwell Green, London, EC1R 0ET.
Telephone: 071-251-2661. Published 31st
May 1989...

BEHIND THE GLITZY FANTASY WORLD portrayed in DALLAS or the inner city of EASTENDERS, the real life dramas of the stars and actors are stranger than any scriptwriter would dream of casting for their characters. Jenny Randles has chronicled the many strange psychic, ghostly paranormal events, warnings and UFO sightings which haunt, threaten or protect some of the most famous people of stage and screen.

Jenny Randles is a leading international authority on the paranormal and has investigated reports of strange phenomena for sixteen years. She has now turned her attention to the 'stars' and discovered a life threatening curse on Joan Collin's house, the late late Richard Beckinsale's greetings to his wife and David Bowie and Bruce Willis's shared interest in UFOs and many other stranger than fiction happenings.

Phantoms of the Soap Operas

Jenny Randles

Every day, audiences all over the world tune in to massively popular TV shows whose stars have become household names. Yet few viewers are aware that many of the actors and actresses have had first-hand experience of the supernatural.

From *Eastenders* to *Falcon Crest* and *A Country Practice* to *Star Trek*, Jenny Randles has compiled an entertaining and often chilling collection of other-worldly happenings as experienced by famous TV personalities. The cast of the US series *Dallas*, for instance, has seen actor Jim Davis, who played Jock Ewing, appear on set since his sudden death. One *Emmerdale Farm* regular claims to have slept with a ghost and in *Dynasty* a leading lady has faced a terrifying curse whilst another actually died before landing her star role. In addition to tales of ghosts, there are premonitions of disaster, encounters with UFOs and stories of life after death.

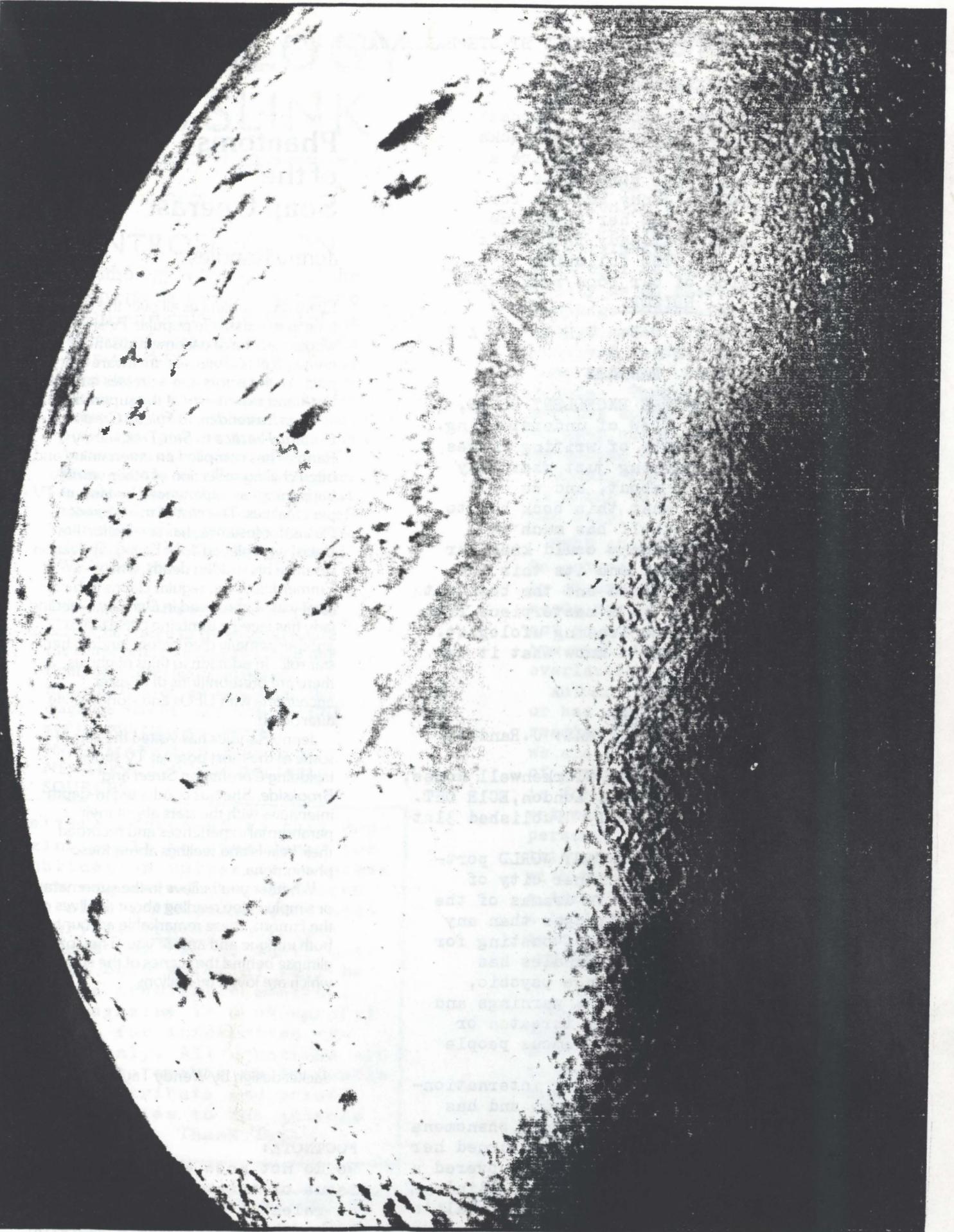
Jenny Randles has visited the sets of some of the most popular TV series, including *Coronation Street* and *Brookside*. She has conducted in-depth interviews with the stars about their paranormal experiences and recorded their beliefs and feelings about these phenomena.

Whether you believe in the supernatural or simply enjoy reading about the lives of the famous, these remarkable accounts will both intrigue and amaze you. They offer a glimpse behind the scenes of the shows which are loved by millions.

Jacket design by Wendy Taylor.

FOOTNOTE:

We do not know when the next issue of this magazine will be released (1993-4)? If any book publisher wants a mention please however send us a copy and it will be seen in due course.



Voyager's parting shot

NEPTUNE'S MOON, TRITON,