MECHANISMS OF CONSCIOUSNESS

Beyond the Brain, Time and Space

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Key Words

Consciousness, brain, time, space, quantum, particles, photons, singularity, cognition, Out of Body, Near Death Experience, nonlocal, telepathy, bio magnetic fields, subtle energy system, electromagnetic field, etheric, microtubules, nanocrystals, entanglement.

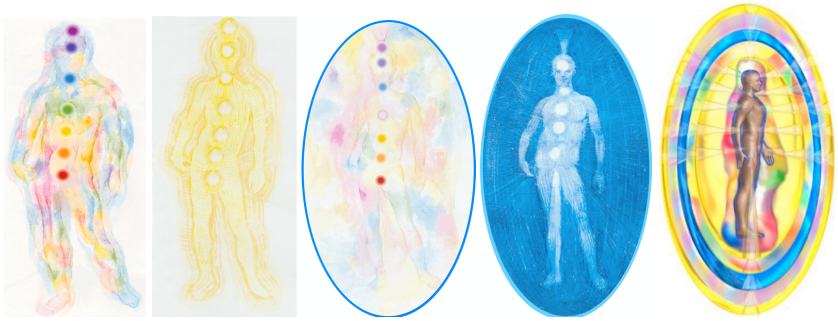
The Living Memory Research Trust was established in 2010, the aim is to support consciousness studies drawing upon an archive of hundreds of clinical case studies and personal experiences gathered over a thirty-year period. Subjects demonstrated nonlocal communication beyond the brain, time and space which included human and animal telepathy, Near Death and Out of Body Experience, past life memory and communication with deceased family and friends, spiritual guides and teachers.

The purpose of the paper is to offer an alternative to the medically accepted view of consciousness and communication limited to brain and body. Consciousness remains the last frontier of science, psychology, psychiatry, the emerging neurosciences study brain and behaviour while molecular and developmental biology explore beyond the brain. According to the oldest spiritual traditions the brain is subject to a nonphysical, hierarchical system beyond its limited physical capacity. Medical science acknowledges the little understood complex nature of the brain with its network of 100 billion nerve cells, how much greater the challenge to discern the nature of consciousness. For a deeper understanding we must turn to those who have demonstrated a capacity to go beyond the limitations of the body and the brain, communicating experiences through altered states of consciousness. From a metaphysical perspective such communication occurs through a nested energetic hierarchy, the brain acting as a command centre for the gross physical body, the lower aspect of consciousness. Research into 'Out of Body' and 'Near Death' experiences confirm a mechanism beyond the brain which allows for conscious communication beyond the body including visual, auditory and sensory abilities linked by memory with vivid and clear perception. In this phenomena communication is instantaneous and nonlocal, unlimited by time or space, a concept denied by the acknowledged laws of physics.

Wisdom and Knowledge

Gnosis is the understanding of spiritual mysteries defined as perception beyond the limitation of the five senses. We are products of our sense organs, functioning in a limited capacity at the gross level until we explore from form to formlessness becoming aware of dimensions beyond the body through extra sensory perception. Ancient wisdom affirms 12 planes of consciousness, radiating as graduating layers of light defined as electro magnetic fields. Four lower energy fields encompass and contain consciousness at the gross physical level, the physical body providing locomotion, the lower mental body governing intellect and the emotional/sensory body connecting viscerally, allowing us to feel. These lower faculties interconnect

with a 4th etheric or astral body an organ of higher perception, intuition and discernment which operates during sleep through dreams and astral travel. It is also accessed through disciplined meditation and is the field through which mediumship is exercised with deceased communicators. A 5th body or field interfaces with three higher fields and holds the etheric template which appears as a cobalt blue, grid patterned energy sheath. This level holds the blueprint of genetic design and intention for the individual and is the nonphysical interface between the lower and higher planes of consciousness, accessed in Near Death and Out of Body experiences. It is the point of communication with nonphysical guides, masters and angelic life streams, explaining the communication in Near Death Experiences which inform the subject of unfinished business and a need to return to physical life. The 6th Celestial plane is the angelic realm, the domain of encounters described by all cultural and religious traditions and the 7th connects to the Godhead. The 8th and 9th Cosmic Planes are the sphere of beings who resonate beyond the terrestrial platform, assisting planetary life-streams, accessible only by those engaged in the spiritual evolution of humanity. The 10th, 11th and 12th planes are of interplanetary consciousness, the domain of advanced spiritual hierarchies operating beyond the Earth directing Universal consciousness. (Lamb. C 2015 – Anatomy of the Human Energy Field)



Depictions of the subtle energy bodies as seen clairvoyantly

Neuroscience

Physics, the study of matter, motion and energy, is unable to explain the transfer of information between a sender and a recipient without recourse to the physical senses because it elevates matter (i.e. the brain) as the seat of consciousness. Science is said to be only as true as its latest discovery, not too long ago the test for the death of the body was to hold a mirror to the mouth to see if it became fogged. Only now are we beginning to acknowledge that the patient who has been pronounced clinically brain dead can not only fully recover but may report experiences which occurred while flat lining. How then to explain consciousness not limited by barriers or distance consistently reported throughout human history. Though biological mechanisms of cognition can give rise to awareness of the physical world, we can never fathom the multi dimensional realities of communication beyond the body unless we look beyond the brain.

Subatomic Communication

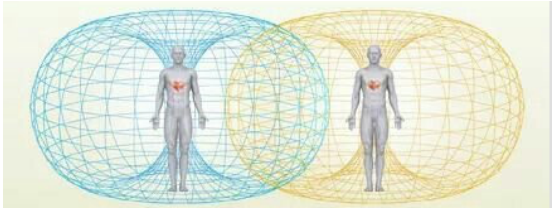
Newtonian physics describes how particles, atoms and molecules move and recombine; particle physics explores the nature of the particles which constitute matter and radiation. Quantum biology examines the links with organic life and quantum mechanics explores the motion and interaction of particles at the sub atomic level, positing that every sub atomic particle is in communication with the rest of the

cosmos. The instantaneous behaviour of atomic scale particles such as photons, electrons, protons or hydrogen atoms that 'jump' from point A to point B without traversing the distance in between has been repeatedly validated by researchers. Quantum mechanics is therefore problematic only when considered from the perspective of classical physics from which the possibility of communication beyond time and space is unfathomable. Theoretical physicist Max Planck, awarded the Nobel Prize in Physics in 1918 revolutionised human understanding of atomic and sub atomic processes stating: *"I regard consciousness as fundamental… I regard matter as derivative from consciousness."*

NDE and OOBE

Quantum physics provides a deeper understanding of energy transmission in that all physical bodies emit a powerful 'quantum' energy which carries information as constant communication. Edgar Mitchell, former astronaut and founder of The Noetic Institute stated: 'Quantum energy carries complete information about the history of the system, the zero point field resonates with each point in the universe but is outside space-time, it can only be described as infinite and eternal'. Mitchell further stated that this would explain 'the ubiquitous experience of persons of all cultures who claim to sense nonlocal information, who believe they have lived past lives, who experience unseen dimensions and entities and seem capable of influencing matter nonlocally'. Non-local communication is implicit in numerous cross cultural reports of altered-state experiences and 'Near Death' reviews. The Journal of Near Death Studies reports that researchers are now beginning to connect anecdotal NDE experiences, perceived as life changing and transformative, as being virtually instantaneous, outside the body with visual awareness of deceased relatives and/or spiritual figures suggestive of non-local perception. Such reports are currently beyond classical concepts of linear time and space and provide support for the theory that the human body possesses previously unrecognised quantum biomechanical mechanisms necessary for non-local communication beyond time and space.

The term 'singularity' (from the Latin word singulāris) when applied to particle physics is defined as 'a one dimensional point where density and gravity become infinite and where the known laws of physics cease to operate.' At this point distance collapses and communication is instantaneous. In this reality human consciousness is not confined to specific points in space such as the body or the brain, or to specific moments in time but is available instantaneously throughout the universe at all times. The brain acts as both receiver and transmitter, our capacity to receive and understand nonlocal information is defined only by the development of our faculties. In order to be sensitive to what is inaudible or invisible we need to fine tune our extra sensory perception. As sensory beings, empathic connection affects the resonance factor and ability to communicate telepathically over distance when separated. A common example being when the phone rings just as you are thinking of a friend or loved one, reciprocity creates the impulse within the field.



Biomagnetic Fields

While their composition is not yet fully understood, quantum science proposes that 'plasma' exists and extends indefinitely in a state between energy and matter. This

equates to the ancient esoteric understanding of a 5th state, Akasha or aether, a Sanskrit word referring to the first element in which fire, air, water and earth come together as Creation. Akasha is an interactive field of information as the substance of the cosmos, the Akashic Record refers to the sum of all knowledge gathered through time, imprinted upon Akasha and accessible to those with refined spiritual faculties. In this dimension waves of possibility are conveyed into particles of actuality, experienced as space and time. (Ervin Laszlo: Science and the Akashic Field- An Integral Theory of Everything.) Philosopher, Rudolph Steiner, stated that such fields are composed of ether, an element comparable to negative mass, the theory of antimatter allowing for a shift of energy between this world and others. Barbra Brennan, former NASA physicist and renowned pioneer of energy consciousness suggested that plasma is composed of tiny sub atomic particles which move in clouds. A current study suggests that the new physics can explain the fundamental mysteries by presenting a model of the universe with a 5th dimension that can be traversed by particles in which every sub atomic particle is in communication with the rest of the cosmos. (Javier Castellano and Mathias Neubert, theoretical physicists at Johannes Guttenburg University Mainz and Adrian Carmona, University of Granada)

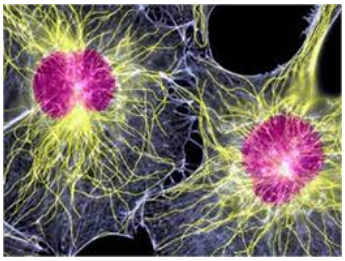
Morphogenetic Fields proposed by developmental biologist Rupert Sheldrake offers a concept of fields which are not fixed but evolving, serving as a database not limited in time and space. Sheldrake's position that morphogenetic fields act as the progenitor of cells with DNA the recipient rather than the origin of genetic information is in accordance with ancient beliefs. Collective fields are imprinted with cultural traits as inherent memory patterns while individuated morphic fields hold the personal genetic blueprint. This is the principle behind spiritual genetics. Ether permeates space, transmitting transverse waves of energy permeating every particle of the multi layered subtle energy fields (aura) which in turn creates the subtle energy transportation network of chakras and meridians. This etheric interface serves as a matrix for the human body itself, preceding and generating the growth of cells which communicate to form organic bodily systems. Data is downloaded to the brain and ultimately the body, imbuing the faculty of locomotion, sensory and cognitive abilities and the potential to access the intuitive faculties of the etheric body. At the physical level research demonstrates that the mind and body communicate in a bi-directional flow of hormones, neuro-peptides and cytokines directly affecting endocrinology and impacting the immune system. This concept shatters the belief predicated by Western science that matter is primary in creation.

Non Local Communication – Beyond Time and Space i.e. Everywhere

This new paradigm suggests that consciousness has the capacity to transmit signal less communication via morphogenetic fields independent of the physical body, described as 'downward causation' by theoretical nuclear scientist Amit Goswami. Proven research now shows that quantum communication is based on non locality: Researchers of CWI, Gdansk University of Toronoto, Adam Mickiewicz and the University of Cambridge have shown: 'Wave functions store all aspects of consciousness in the form of information retained within the subtle energy fields in and around the human body.' Human beings have access to this data base however this is not dependent upon intellectual ability, savants for example demonstrate inexplicable feats of conscious awareness despite often profound developmental disabilities.

Cellular Communication

Cellular biologist Bruce Lipton demonstrated the process by which cells receive information via external signals. Microtubules sometimes referred to as the cell's "brain" are microscopic hollow tubes which form a complex skeletal structure which physically supports and give shape and resilience to cells. Microtubules also provide a communications network within each cell, essential for the cell's overall functioning, an important biological role in communication and memory. Evidence indicates that microtubules emit single photons of light and can be viewed as microscopic pulse-lasers within living cells (Popp, FA; Nagl W; Kilma H 1983). Microtubules can be compared to fiber-optic cables used for telephone communications, neural cell microtubules arranged in bundles of hundreds or thousands can be almost one meter long. It has recently been discovered that living organisms, including much of the human body, are liquid crystalline in structure. Whereas the calcium phosphate crystals in bones are solid, the collagen in bone is semi-solid and is referred to as a liquid crystal. Biological organisms are largely composed of liquid crystalline materials such as connective tissue and cell membranes, creating a communication network through the cells. The extra cellular matrix fills the spaces between cells, tissues and organs. Liquid crystals possess properties which make them ideal for rapid intercellular communication. Patterns of Conductivity beyond the brain linked to the circular flow of the Earths magnetic field can now be demonstrated. Birds and other migratory species show patterns of connectivity through their pulsating magnetic field linked to embedded magnetite crystals which provide inbuilt compasses. Human brain circuitry shows similar patterns of connectivity through magnetite nanocrystal deposits within the brain. Electron microscopy measurements imply the presence of between 5 million and 100 million crystals per gram for tissues in the brain.



Anaesthesia and Communication Beyond the Brain

General anaesthetics produce their effects by binding to a variety of molecular receptors in the brain, rendering the patient pain free however medical science has been unable to answer the question of what happens to consciousness. In the mid 1990s Stuart Hammerhoff (Professor Emeritus of Anaesthesiology and Director of University of Arizona Centre for Consciousness Studies) developed a quantum theory of consciousness in partnership with Sir Roger Penrose (co recipient of the Nobel Prize in Physics in 2020). Hammerhoff's proposal that quantum mobility in microtubules mediated consciousness was initially widely dismissed but is now supported by evidence that anaesthetics act in quantum channels in microtubules. In quantum terms this action transports conscious awareness beyond the physical, sensory and cognitive domain to the etheric boundary. Subjects who retain cognitive awareness of this process describe the 'Out of Body' experience now familiar to everyone as being disconnected and observing their body at a distance e.g. during surgery. In traumatic circumstances of serious illness or accident others describe the 'tunnel experience' of travelling at great speed through white light while reliving events of their life as an action replay before emerging in an unfamiliar locality to be met by deceased relatives or religious figures. These events are universally reported as marked by a desire to remain, only to be made aware of something unfinished and a reluctant return to bodily consciousness. The effect is subsequently described as

transformational and life changing with a deep awareness of their life purpose. Metaphysical understanding provides an explanation. The etheric body operates between physical and non physical planes, the optimum environment in which to experience instant nonverbal communication with non physical beings. Early anaesthesia involved inhalation of refined gases, ether (diethyl ether) nitrous oxide or chloroform. Nitrous oxide produced an altered state of awareness and a state of euphoria or well being, the properties of the anaesthetic resonating with that of the etheric field. During this state consciousness is disconnected from the lower sensory fields to operate beyond the brain within the etheric space through which sub atomic particles have been shown to pass. This is described in the religious literature as equating with the 'bliss' experienced in deep meditation.

Light Transmission

Biophoton emissions were first discovered by Fritz-Albert Popp using a type of photomultiplier to count light, photon by photon. Biophotonics addresses the way in which light interacts with biological systems including molecules, cells, tissues and whole organisms. systems within an organism, from the atomic to the molecular level, are constantly in motion-creating resonance. Brain scans used in research demonstrate that the action is different in the brain of adults to children. Adult brains light up when trying to learn, acting like a spotlight. Children play and learn with the same intent, their brains light up all the time but are more diffuse than those of adults, acting more like lantern light. We now know that the neurons in the brain of children are more not less active than in adults, slowing down between the ages of 2-5 in order to focus on objective reality. Incandescent and fluorescent lamps emit incoherent light in all directions, in a broad spectrum of frequencies, resulting in white light. In contrast lasers undergo a phase transition in which many photons become coherent and are thus described by the same mathematical wave function (Bose-Einstein condensates). This natural physical phenomenon involves large numbers of light (or matter) particles that cooperate collectively in a single state, the intense, narrow beam of a laser exemplifies quantum coherence. In laser light all the photons lack individual identities and thus are said to be in the same quantum state (Marshall J 1989). The laser reaches a critical energetic threshold, above which it undergoes a non-linear phase transition, an abrupt jump to a higher energy level. This is the fundamental principle which underpins healing energy and non local communication beyond the senses, creating a coherent, cooperative transmission and connection.

CONCLUSION

There is congruence between the ancient belief systems and the new sciences. Subatomic particles are the fundamental constituents of all matter. Energy as light travels in discrete bundles called photons, minute packages of electromagnetic radiation, a concept developed by Albert Einstein in 1905 which he referred to as 'spooky science'. The complex energy systems which create a fusion of spirit and matter downloaded as pre programmed data and translated as belief systems, create the quantum wave packet. The wave packet emits a specific signal which can remain constant or change during transmission according to the choices made. Any disturbance of cohesion between the fields or frequencies results in disorder and disease and eventual breakdown of the organism whether at a personal or planetary level.

The instantaneous communicating connection between two or more particles which share an affinity over distance **i**s defined as quantum entanglement. In terms of human biology entanglement of sub atomic particles is explained by mystics as electro magnetic attraction or 'karmic attraction' which binds sub atomic particles in relationship, a demonstration of the Law of Cause and Effect. This is positively exemplified as 'falling in love', a demonstration of cohesive patterning, the merging of particles or particle entanglement. In favourable circumstances a pattern of cohesion develops with positive influence. Conversely a pattern of tangled particles trapped in circularity, demonstrates incoherence within a limiting, self perpetuating, closed structure. In mythology this is symbolized by the 'ouroborus' - a dragon eating its own tail, demonstrated in human relationships as unresolved conflict arising when one or both parties become trapped in a repetitive pattern of conflicting behaviour.

Ancient Eastern and shamanic traditions have long postulated that consciousness is necessarily universal and primal. As cracks are revealed in the previously unchallenged edifice of mechanistic science, a radical paradigm shift is occurring. Science and spirituality, no longer mutually exclusive provinces are beginning to merge into a unified cohesive force of unlimited potential.

CASE STUDY EXAMPLES – Demonstrating Non Local Communication

The dog who knew the time

- Animals are also able to communicate through time and space. A much-loved family dog would sit by the door to greet its owner ten minutes before his return home at 5.30pm each day. On Tuesdays and Thursdays, the dog never showed any interest in the vigil until around 7.20 when he would take up his usual position. These were the two days the owner worked 2 hours overtime returning at 7.30pm. On occasion the owner would be required to work late unexpectedly but had no way of informing his wife. On these occasions the dog still took up the vigil ten minutes before the owner's arrival. How did the dog know the time?

Family

- A client in her late 70s had been divorced from her 1st husband for almost 40 years, they reconciled as friends meeting on two occasions but then had no contact for 20 years. In the late 90s she intuitively felt that he had passed from a heart attack. Channelled communication confirmed that he had passed on …….Later confirmed by daughter through Ancestry search.

- A grandmother had an auditory dream in which a child's voice stated: ' I'm going now grandma… I will be coming back soon.' Three days later her pregnant daughter in law had an unexpected miscarriage but became pregnant again almost immediately and gave birth to a daughter after an uneventful pregnancy.

- As a daughter sat holding the hand of her father, hospitalised and semiconscious in the last days of his life, he suddenly appeared to her standing by the bedside. Communicating telepathically he stated: "I'm going now, look after mum and tell Mathew not to drink." Two hours later he passed

without regaining consciousness. His grandson, Mathew, developed alcohol dependency ten years later; reminded of his grandfather's warning he recovered.

Group Channelling

Healing and Forgiveness

- A channelled message was received from someone who stated that he was an old friend of someone present (Joseph) who unfortunately was unable to recognise the description given. The communicator reminded him of the time they both had half a beard referring to himself as 'Stan the Man'. The deceased friend (Stan) was then recognised and also the event when they had both agreed to shave off half their beards for charity. (photo). 'Stan' then tapped his chest and warned of a future problem but assured that all would be well. Five years later during a triple bypass operation, surgeons struggled to restart his heart twice, he recovered fully.

- Three family members were described who wanted to connect with Joseph. One said he had been severely injured in WW1 but was now well. A second who appeared younger, pointed to his head to indicate he had suffered from mental health problems in life, saying 'thank you for stroking my at the time of my passing'. The third man stated that he wanted to apologise for his harsh treatment of Joseph as a child. Joseph acknowledged his family members and later confirmed that his uncle had been decorated twice for his war service but had been gassed and suffered PTSD. His younger brother had suffered learning difficulties and had spent his life in residential care and Joseph had indeed been at his bedside assisting his passing and had stroked his hair. In a time of great poverty and religious persecution in Northern Ireland Joseph's father became hardened, he was often absent and always harsh. After hearing the words, he was never able to say in life, Joseph was finally able to forgive his father.

- An elderly male asked to connect with 'Carol'. I had recently returned from a holiday in Ireland, he described accompanying me to the land of his birth. I recognised my Irish grandfather who passed when I was six years old. He described how during the holiday I had collected stones as souvenirs in a country lane in Galway, his home town and recalled the event. He asked me to examine the stones where I would see one in the shape of a cap and to look for the one with a dent in the back. I could not remember where the stones were and was instructed to look in the back of the car. The person channelling then described him taking 'something cloth' out of his coat pocket which was folded up. This was a flat cap, the type he always wore in life which he then placed on his head before leaving. Following the session, I searched the car and found the collection of stones I had forgotten about, pushed to the back of the boot. One resembled a flat cap, the type my granddad always wore and in the back was a dent.



- From 1991 I repeatedly received phenomena and messages connected to 'opening a dialogue with the Catholic church' and in 1993 was instructed to share these with a local priest. I was advised to contact the 'Priest of Apparitions' at Ampleforth Abbey in the Yorkshire Dales in the UK, who I was informed was responsible for investigating such events. I felt uncertain about this step and delayed the making the appointment. Some weeks later Julian Rochford, the 'Priest of Apparitions' wrote a scathing article in a national newspaper denouncing New Age teaching. As a holistic therapist I therefore felt even more reluctant to contact him. We never met as he was killed in a road accident on May 23rd that year. Three years later during a channelling session a male described by the channel as 'wearing a long black robe… a priest… Julian' gave his message. 'We never met.. I wish to give my apologies, I am now of greater understanding and wish to be of service'

Decisions

- I was called to a hospital ward to offer spiritual healing at the bedside of a young man severely injured in a road traffic accident; he was deeply unconscious, immobile and diagnosed with a brain injury. He was not expected to recover consciousness. I sat by the bed meditating and holding his hand and perceived a guide who communicated telepathically that he had come to a cross roads in life and a decision was required. I was asked to talk to him about whether he wished to return or to pass on. The telepathic response was immediate but ambiguous, he was not yet decided as he was receiving advice as to possible future outcome. Medical staff had indicated that in the event of him coming out of the coma he would likely be in a vegetative state and unable to communicate. I knew that he was already communicating and persisted. I left after telling him that many were praying for his recovery and that I would return next day. One day later I arrived to find his bed empty and saw him laid on a mattress placed beside the bed. He was awake and speaking. I enquired with staff as to why he was on the floor and was told this was for safeguarding. He had woken up and repeatedly attempted to climb out of the bed, yet he here he was lying peacefully on the mattress. He made a remarkable recovery and returned home.

- My close friend suffered a major stroke and was rushed to hospital, I and two friends followed in convoy to the hospital where we waited anxiously for news. The guide I worked closely with informed me that she would be transferred to a specialist stroke unit some miles away and would then remain on 'life support' until she made her decision whether to return to consciousness. The prognosis was not good. Shocked and bereft we all prayed for her recovery, returning to the hospital daily to sit in the ICU. The colleague who had the gift of clairvoyance sat with me as we observed patients in the adjacent beds, I commented that thankfully a middle-aged man seemed to be recovering well from the heart attack which had pre-empted his admission. His guide indicated otherwise saying, 'he is leaving but not yet.'. The quietness was interrupted by an alarm as the crash team hurried to the bedside and curtains were pulled. We were thankful when they withdrew and we saw that he was propped up on pillows, resting. Next day we arrived to find his bed empty and were told that he had passed in the night. Meanwhile my unconscious friend communicated regularly through my dreams during the

following five days I both saw and heard her, telling me of her decision to return. Next day on arrival at the hospital before I could tell my clairvoyant friend, he told me that she had contacted him saying her intention was to return. This intention was confirmed by the guide who also warned that she may change her decision. Two days later I received another dream in which she was radiant and smiling and wishing me farewell, an experience that helped me to come to terms with the medical advice to discontinue life support next day.

Intervention

- In 1994, during the course of my work as a therapist and speaker I was introduced to a client who had natural psychic abilities but was also a sceptic until he began to spontaneously channel a guide during a therapy session. We were surprised to be informed that we would be working closely together. This was a time of great upheaval for me involving a change of residence and delays in signing a new lease with my existing lease was due to expire within days. I was feeling increasingly worried about the situation when someone knocked at the door; I answered and there stood the colleague I had only recently met who was unaware of where I lived. He looked shocked and I asked him how he knew my address. It transpired that while driving to work that morning he had heard the voice of his guide, instructing him to 'Turn the car around, Carol needs you'. He was told to drive and he would be shown where I lived. Feeling foolish, he complied and was given precise instruction street by street then informed 'it is the blue door'. He fully expected the door to be opened by a stranger and was ready to apologise for his mistake when I answered. I was then given the message. "You will receive your keys on April 13th and move in on the 14th but will find some difficulty at first'. I was greatly relieved but when no word was received from the agent I was given a further channelled message and told of a slight delay. I would now receive my keys on April 14th and would then move in on April 16th. At 3pm on April 14th, (Good Friday) the Estate agent advised me that keys were waiting if I could collect them by 4pm when the office would be closing for the Easter holiday. I collected the keys and anxious to make a start began filling buckets to mop the floors which promptly flooded due to leaking water pipes, I then found the electricity had been disconnected, making it impossible to move in. After an initial delay I moved in on April 16th as the message had predicted