

**Implants: Thoughts on Reading "The Aliens and the Scalpel" by Dr. Roger Leir.
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As I read through the concluding sections of Dr. Roger Leir's book "**The Aliens and the Scalpel**", I noted with some great interest, some of his analysis results. Dr. Leir and others conclude that the objects do not resemble to any known form of microchips, electronics, etc.. They seem to bear few if any obvious markings that would indicate a sophisticated device. Instead, it is their mechanical simplicity, and their overall strangeness that caught my attention. The conclusion of Dr. Leir's book contains some very interesting summaries of their findings regarding these objects:

- 1) They are surrounded by a sheath of Keratin (skin/fingernail material), Hemosiderin (a hemoglobin-like oxygen bearing material), and the protein Coagulum. All of these are naturally occurring body substances, but in no natural conditions are they found together.
- 2) The sheath is permeated with clusters of nerve endings. These are closely connected to the local nerve bundles in the region of the body where the object was located. This goes a long way toward explaining the patients' pain reactions (patients were under hypno- and local-anesthesia) when the implant was touched by the surgeon's instruments. Unfortunately, Dr. Leir does not say much more about the details of the nerve tissue found in the sheath. So we do not know its exact nature or function from just reading the book. But the fact that there seems to be an interface between the object and the abductee's nervous system is very important.
- 3) Dr. Leir and other researchers note a lack of inflammatory response around the object. The body's healing/immune system seems to allow the presence of the object, without the usual swelling and irritation which would normally result from a foreign body (such as a splinter or a shard of glass).

When I initially heard of these cases back in 1996/97 I first assumed that they would turn out to be natural objects, incorporated into the body through minor injuries, etc. Perhaps having occurred during childhood, these might be forgotten, and throughout the life of the abductee, they might have migrated, etc. Perhaps, I thought, this might explain how they were embedded and encased in Keratin (skin-like) tissue. However, Dr. Leir examines these null-hypotheses and convincingly argues that they are not the case [CL Note: Is the jury still out on this question?]. He also correlates the objects with the patients' UFO encounter histories, and with other physical/psychological characteristics.

Implants and Psychic Ability

In some of the work by Yve Frances Lorgen, there is also the suggestion that these alleged implants are related to psychic abilities of the abductee. In at least one case given by Dr. Leir, the patient's psychic abilities (as self-reported by the patient) was significantly decreased immediately following the removal surgery - slowly returning over a period of months. It is this relationship between the objects and experiencers' apparent psychic experiences/abilities that most caught my attention. Is the connection between the link to the experiencer's nervous system, and the apparent psychic effects a coincidence? Or is there a deeper relationship?

Microfine Structure: The Penrose/Hammeroff Model

It would be very interesting to learn more about the internal structure both of the sheath - with its embedded nerve endings, and the internal structure of the (alleged) implant itself. What, if any, interface is there between the core of the object and the organic sheath. Are the nerve endings sensing, or conveying information to/from the object? If so, what? Is there a microfine structure to the objects? If so what? Could there be some form of electronic (molecular/quantum computing?) or other function going on within such a structure? All such questions are pure speculation at this point, but they pose interesting questions to ask as researchers begin to probe the internals of these objects.

An interesting insight, which might guide research/speculation is offered by the microbiology of nerve cells, and possible quantum processes going on within them. This topic is described in detail by Dr. Stuart Hammeroff, and Prof Roger Penrose, who have collaborated on several papers on the topic (see the University of Arizona, consciousness studies website: www.consciousness.arizona.edu, and Roger Penrose's book: "Shadows of the Mind" for more details on this new and fascinating subject). In their writings, Penrose and Hammeroff provide compelling arguments for the quantum nature of consciousness. At the core of this phenomenon are structures within the nerve cell, known as microtubules which permeate every living cell, and form the mechanical framework or cytoskeleton. The microtubule is made up of complex protien building-blocks called tubulins. It is these in which the quantum properties are manifest. (Please see the other article "An Objective Model for PSI?" in this newsletter)

The tubulin is a protien structure which has the unique property of being in one of two states or configurations, depending upon the quantum state of a particular electron within its core. As a result of this dependency, the tubulin molecule can manifest quantum behavior, being in either one electron configuration (+), its opposite configuration (-), or an indeterminate quantum superposition of the two. In addition, each tubulin is affected by the state of its neighboring tubulins and the electronic state of other areas of the nerve cell and surrounding body tissues. Furthermore, being a quantum phenomenon, it is affected by the all-pervasive zero-point field, which nonlocally interacts with quantum events - potentially throughout the entire universe.

Tubulins are interlinked with eachother to form a microtubule, in much the same way that bricks fit together to form a wall - inerlocking to form the microscopic skeleton of each cell in our body, and of every living cell on Earth. Furthermore, within our nervous system, microtubules from one cell can interlink with those of other cells, through what are known as gap junction synapses - which occur frequently within the central nervous system. Thus, according to Penrose and Hammeroff, a very massive but coherent quantum medium manifests itself throughout the human nervous system, providing the substrate for consciousness.

The Holographic Model

In his book, "The Holographic Universe", Michael Talbot describes theories that the brain stores information in a holographic manner, distributed in a nonlocal way throughout the brain tissue. This was first noted by Karl Pribram, who pioneered the mapping of functional regions of the brain. In this model, information is encoded in the brain much as a hologram is stored on film. Knowledge is stored in a distributed manner, throughout the medium - with no one location being solely responsible for a given item. Information retrieval occurs when a decoding input, similar to the signal which encoded the information, is applied to the medium. When this

occurs, in any location within the medium, the information originally encoded is once again presented to the outside. In a hologram, the storage/encoding and retrieval/decoding signal is a laser beam, which stores the pattern on film. In the brain the storage and retrieval signals are patterns of neural stimuli.

The implications of the holo-informational model described by Pribram and Talbot are many. However for us, the most important is the possibility that information within the mind may be accessible by a device interfacing to the quantum field pervading the entire nervous system. This device could be located anywhere within the body, as long as it had a close coupling to the abductee's nerves. Such access would provide a direct interface to the holographic mind of the abductee, allowing it to decode the quantum hologram of the abductee's consciousness.

Implant Structure/Function

A test of this hypothesis would be to carefully analyze the sheath surrounding an alleged implant. Does it contain neural tubulin material? If so, how does this material connect to the core of the implant? Furthermore, what is the structure of the implant, itself? Does the object, itself contain a structure which could accomplish some form of quantum computing? (See David Deutsch, "The Fabric of Reality" for a description of quantum computing.) If so, then what can we deduce about the function of these objects? Could an analysis of their structures provide a clue to their function?

Dr. Edgar Mitchell, in his paper "Nature's Mind, the Quantum Hologram", speculates on some of the possible relationships between quantum mind/consciousness and human perception - including psychic capabilities. Without going into detail, we can wonder whether the presence of alleged implants in some way enhances parapsychological abilities, perhaps by interfacing with the experiencer's quantum level nervous system. We can speculate that perhaps such a device might be a monitor, a transceiver, or some form of consciousness augmentation - interfacing between the human mind, and the phenomenon.

Conclusion

It does not take much imagination to see how research in this area could lead to immediate breakthroughs in physics, consciousness studies, and other fields too numerous to mention. In addition, understanding the nature and function of the (alleged) implants would provide a tremendous window into the underlying truths behind the UFO and close encounter phenomenon - and its interaction with humanity.