

archived as [http://www.stealthskater.com/Documents/ORMEs\\_17.doc](http://www.stealthskater.com/Documents/ORMEs_17.doc)

(also ...[ORMEs\\_17.pdf](#)) => [doc](#) [pdf](#) [URL-doc](#) [URL-pdf](#)

more ORMEs documents are on the [/ORMEs.htm](#) page at [doc](#) [pdf](#) [URL](#)

*note: because important websites are frequently "here today but gone tomorrow", the following was archived from <http://www.subtleenergies.com/ormus/tw/newphysi.htm> on March 4, 2009. This is NOT an attempt to divert readers from the aforementioned website. Indeed, the reader should only read this back-up copy if the updated original cannot be found at the original author's site.*

# New Physics

by Barry Carter ([sumro@zz.com](mailto:sumro@zz.com))

Of late, quantum physicists are thinking that there is an "implicate order" (or mind) out of which matter arises. Some physicists claim that this implicate order includes an infinite number of universes, one of which our consciousness at any given moment selects as our Universe.

Some physicists believe that this conscious selection takes place in microtubules which are a feature inside every cell. Also, some physicists are proposing that the conscious selection is informed by information from both Past and Future.

If these concepts are valid, they would have some very wide ranging implications. These concepts imply a universal, undivided God-like field. They imply a psychic connection between all Life. They imply that Time is a local phenomenon.

Defining the link between Consciousness and Matter is referred to as the "hard problem" of quantum physics.

In one of his last published articles before he died, David Bohm proposed that there was no real division between the implicate order and matter. Thomas Germiné commented on some of the implications of Bohm's theory in an article in the same issue of *PsychoScience*. Germiné wrote:

"Proceeding along the lines of Bohm's rejection of Mind-Matter Duality, it is reasonable to hypothesize that just as material phenomena are manifestations of an unfolding implicate order, so the phenomena of Consciousness may be seen as the unfoldment of a timeless, spaceless, apparently random subtext....

"Ultimately at the most subtle levels, the implicate orders of the material and *psychic* universes are one. But it may be inferred that there are also intervening gradations of ever-more-subtle levels in which common pools of information link waking consciousness with the unconscious and the individual mind with a collective psyche."

(There is a link to both of these articles at <http://goertzel.org/dynapsyc/dynacon.html#1995>)

In other words, it would seem that Bohm and Germiné are implying that these ever-more-subtle levels are levels of Consciousness.

In a related development, Jack Sarfatti recently proposed that **microtubules** -- which are believed to be the connection to "implicate order" consciousness inside every cell -- interact with both the Past and the Future. Sarfatti wrote:

I agree that the Bohm picture needs to be modified to include temporal nonlocality. Bohm and Hiley talk about that. One way to do it, perhaps, is to define

$$R(x,X(t),t) = [R(\text{retarded})R(\text{advanced})]^{0.5} \quad (1)$$

so that  $Q^*$  is formed by information flows both from Future and Past. This would be consistent with precognitive **remote-viewing** data. One has to use the Aharonov multiple time states in the Bohm picture in some way.

To make sense of Eq.1, we have to go back to Feynman's old papers where, for example, he derives the local wave function from path amplitudes coming both from the Past and from the Future for non-relativistic QM with Galilean relativity of absolute time. Let's not worry about Special Relativity yet. It should be a small correction for consciousness unless you are in a starship or an ET UFO . :-)

We need to look at the Aharonov quantum time machine. That may explain why remote-viewing of the Future and Past, the time slips, are so rare. They may be quantum time machine effects in the  $Q^*$  mind-field that only work rarely according to the Aharonov theory.

Penrose, Hameroff, Sarfatti, Pitkanen, and Deutsch all seem to agree that the microtubule is a connection between this "layer" of reality and multiple (perhaps infinite) other layers of Reality. [StealthSkater note: see the "**Pitkanen**" page at => [doc](#) [pdf](#) [URL](#) ; the "**Science#Sarfatti**" page at => [doc](#) [pdf](#) [URL](#) ; and the "**Science#Emergent**" page at => [doc](#) [pdf](#) [URL](#) ]

One problem with the concept of microtubule-based quantum computing is that no one has demonstrated a clear mechanism whereby individual microtubules in individual cells can generate sufficient quantum coherence to work together with microtubules in other cells.

Physicists working in other specializations of Physics have observed a phenomena which might provide such a mechanism. They have observed the effects of **superconductivity in biological systems**. There are several papers which suggest that superconducting materials exist in the brain:

- "Evidence from Activation Energies for Superconductive Tunneling in Biological Systems at Physiological Temperatures", *Physiological Chemistry and Physics* 3 1971, Bio-chemistry laboratory. U.S. Naval Air Development Center, Pennsylvania. Reference: pp. 403-410

"For several biological systems involving nerve or growth processes, the square of the activation energy is a linear function of temperature over a moderate range of physiological temperatures. This behavior may be predicted from the hypothesis that the rate of biological process is controlled by single electron tunneling between micro-regions of superconductivity.

"Superconductivity has been observed. It's responsible for nerve and growth processes."

- "Magnetic Flux Quantization and Josephson Behavior in Living Systems", *Physica Scripta Vol. 40*, 1989, E. Del Giudice, S. Doglia, M. Milani, C. W. Smith, G. Vitiello. Reference: pp. 786-791

"Abstract: The proposal of coherent electromagnetic processes as the engine of biological dynamics suggests that Josephson effects could be present in living cells. Positive experimental evidence is reported and discussed."

- "Biological Sensitivity to Weak Magnetic Fields Due to Biological Superconductive Josephson Junctions", *Physiological Chemistry and Physics* 5, 1973. Reference: pp. 173-176

"Summary: Various species of organisms can detect weak magnetic fields from 0.1 to 5 Gauss. Indirect evidence suggests that electron tunneling may occur across junctions between superconducting micro regions in living systems. Man-made superconducting Josephson junctions have been fabricated with magnetic sensitivity as high as  $10^{-11}$  Gauss. It is suggested that superconducting Josephson junctions in living systems may provide a physical mechanism with more than enough sensitivity to explain the observed responses of organisms to weak magnetic fields."

A gentleman named **David Hudson** has identified materials which are superconductors at biological temperatures and which are present in brain tissue in significant amounts. These materials consist of the precious metal elements in a non-metallic state which Hudson has patented and calls the "**ORME**" state. (ORME stands for Orbitally-Rearranged Monoatomic Elements.)

It is fairly easy to convert Gold and the Platinum group elements to this ORME state. These elements will not read in any type of spectrographic analysis while they are in this state. It is possible -- but not as easy -- to convert these elements back to the metallic state where they will read as expected.

These elements in the ORME state are quite abundant in nature. But since they do not have metallic properties, they are mistaken for other elements. The abundance of ORME materials in various foods has been examined. There is a table at <http://www.subtleenergies.com/ORMUS/Health/sources.htm> which details the amount of the ORME-Iridium and ORME-Rhodium in various foods.

There is evidence that these elements create **quantum coherence in biological systems** and that this quantum coherence is responsible for the **repair** of the DNA.

Accumulated damage to the DNA has been called one of the major factors in aging. It is also a major factor in Cancer, AIDS, and other degenerative diseases. In his lectures and workshops, Hudson claims that the ORME materials have cured many cases of cancer and other diseases. He claims that the ORME materials are involved in the repair of the DNA. Here is a quote on this subject from David Hudson's Portland, Oregon lecture:

"They claimed that it perfects the cells of the body. Well, I can show you tomorrow the Bristol-Myers-Squib research that shows that this material inter-reacts with DNA, correcting the DNA. All the carcinogenic damage, all the radiation damage -- all is corrected from these elements in the presence of the cell. They don't chemically inter-react with it. They just correct the DNA."

(An explanation of what the ORME elements are and how to obtain them is available on the Web at



The immune system is also degraded by DNA damage. I would expect that any disease which is related to either the immune system or damaged DNA would benefit from ingestion of the ORME materials.

A recent Associated Press story talks about the discovery of an "aging gene" named 'WRN' which "appears to play a vital role in how DNA repairs itself and reproduces, long suspected as keys to aging". ... "Normal WRN appears to govern the production of vital enzymes called helicases.

"DNA carries the body's genetic blueprint in double-helix strands coiled inside every cell. Whenever a cell reproduces, the DNA strands first must uncoil so they can be copied accurately for the new cell. Likewise, whenever the body needs to repair a cellular defect, the DNA must unwind so repair enzymes can snip off the defective piece. Helicases make DNA unwind.

"If WRN is mutated, presumably the helicases aren't uncoiling DNA properly so cells aren't reproducing to replace dying ones or DNA damage is not being repaired"

3 recent papers suggest that monatomic platinum group elements can assist in this process of DNA repair:

- *Platinum Metals Review* 1990, Volume 34, Number 4, "Biophysical Studies of the Modification of DNA by Antitumour Platinum Coordination Complexes"

"The modification of DNA by cisplatin has been examined. Anti-tumor active Pt compounds induce in DNA -- at low levels of binding -- local conformational alterations which have the character of non-denaturing distortions. These changes in DNA occur due to formation of inter-strand cross links..."

- *Scientific American*, May 1995, p. 235, David Paterson

"The researchers examined the electrical properties of short lengths of double-helix DNA in which there was a Ruthenium atom at each end of one of the strands. Meade and Kayyem estimated from earlier studies that a short single strand of DNA ought to conduct up to 100 electrons a second. Imagine their astonishment when they measured the rate of flow along the Ruthenium-doped double helix. The current was up by a factor of more than 10,000 times. Over a million electrons a second! It was as if the double helix was behaving like a piece of molecular wire.

"For some time, chemists have suspected that the double helix might create a highly conductive path along the axis of the molecule -- a route that does not exist in the single strand. Here was confirmation of this idea."

- pp. 33-34

Matti Pitkanen (a theoretical quantum physicist in Finland) wrote the following about an article in *Science* magazine:

In the newest *Science* (vol. 275, 7, March 1997), there was a very interesting article about the work of Barton and her group. Barton et al have done several experiments between 1993-1997 related to the conductivity properties of DNA double helix. The conclusion of Barton et al is that DNA double helix has the ability to do chemistry at distance:

"A DNA molecule with a chemical group artificially tethered to one end appears to mediate a chemical change far down the helix, causing a patch of damaged DNA to be mended."

#### DNA as conducting wire instead of insulator

What seems to occur is flow of electron current along DNA with very small resistance. Typically the experiments involve electron donator and acceptor separated by a long distance along DNA. When acceptor is radiated, it goes to excited state and an electron current flows from donator to acceptor as a consequence.

Standard wisdom tells that this should not be possible. The current should flow by quantum tunneling between adjacent building units of DNA and it should diminish exponentially with distance. For proteins, this is known to be the case. In experiments, however, no distance dependence was observed.

There exist a theory which assumes that the current could flow along the interior of double DNA (that is, the region between the bases of strand and complementary strand). The electron would be delocalized in bases rings these rings would form a stack along DNA. The current would flow by tunneling also now but the tunneling probability would be so large that distance dependence would be weak.

The critics of Barton argue that this model cannot explain all the experiments of Barton and that the model is not in accordance with basic organic chemistry and biology. Ordinary sunlight should have rather drastic effects on us. Barton admits that they do not understand the mechanism.

#### TGD-based explanation in terms of exotic atom concept

TGD suggests a possible explanation of phenomenon in terms of closely related concepts of exotic atom and charged wormhole. The concept of exotic atom, in turn, relies on the concept of many-sheeted space-time.

Exotic atom is formed when one-or-more outer valence electrons of ordinary atom are dropped from atomic space-time sheet to a 'larger' space-time sheet ('NOW' space-time sheet) with a form of DNA helix. As a consequence, charged wormholes feeding the EM gauge flux to the larger space-time sheet are also generated.

Electrons in larger space-time sheet could be delocalized and this could lead to a smaller ground state energy. What is important is that the electrons on the larger space-time sheet move effectively in empty space-time and therefore electric current can flow freely without resistance.

Charged wormholes could provide also a mechanism of superconductivity. Photons are replaced with the excitations of wormhole BE condensate in this mechanism. It is, however, too early to say whether superconductivity is really in question and even whether this superconductivity mechanism really works.

In the experimental arrangements of Barton, typically donors and acceptors of electrons are Rh and Ru atoms. Both have a 5s unpaired electron. This electron would drop on the larger space-time sheet from the atomic space-time sheet and induce electric current.

Some colleagues of Barton did not observe the effect when using organic molecules as donors. A possible explanation is that these molecules are such that their valence electrons cannot drop on lower space-time sheet (it is not energetically favorable, they could be paired, for instance).

(For exotic atoms, charged wormholes, and the related mechanism of superconductivity see my homepage [http://tgd.wippiespace.com/public\\_html/index.html](http://tgd.wippiespace.com/public_html/index.html).)

From these 3 papers, it should be clear that the repair of DNA is linked to the presence of monatoms of the Platinum group elements.

David Hudson has provided ORME materials to various medical doctors who have given them to patients with Cancer. In the great majority of these cases, the cancer patients have recovered with indications that the cancer tissue reverted to normal tissue. Hudson reports that the tumors at first appeared to grow because cancer tissue is more dense than normal tissue. Since the cancer was becoming normal tissue, as it became less dense it would expand. In his Ashland, Oregon lecture Hudson said:

"First of all, if you use the Rhodium and Iridium, one of the things you can see is that in the first 3-to-4 weeks the tumor actually appears to grow faster. So if you have taken a biopsy and found that you have a tumor, if you take the Rhodium and Iridium in the first 3-to-4 weeks, the magnetic resonance imaging will show it's growing faster. Which really scares people. They say 'God, that's not what I want!'

"What you have to understand is that the dense cancer tissue -- when the tissue is converted to healthy tissue -- it enlarges in size. And so if the physical tumor is this large {gesture}, when it's cured it will be this large {gesture}. It actually gets larger because it's going to healthy tissue. It's called 'necrosis' in the medical community. It's the opening up of the tumor, okay, and the going to normal.

"After 60 days, you do a biopsy on the tumor and it's no longer cancer. It's a benign tumor. The doctors who surgically remove the tumor say 'Gosh, it looks like cancer, looks like it ought to be cancer, it was cancer 60 days ago; but it's just not cancer now. I don't know what to explain.'

"Well, that's okay. It takes about a year-and-a-half for all this mass of tumor to dissolve away.



"So if you have a cancer in the brain -- if you have a brain tumor -- my advice is to stay away from this. And the reason for it is that there seems to be a growth. And that's a problem when you have a brain tumor because your brain is encapsulated in a skull which has a limited amount of room.

"And so I advise people, you can have surgically implanted a radioactive Iridium pellet ... Which you don't have to have radioactive. You can put the [non-radioactive] Iridium and it goes away too. But they make it radioactive so that standard science can accept that this is why it's going away. I thought 'That's stupid!' when I read that.

"Anyway, then, implant this pellet in the tumor and it shrinks down to the point that they can surgically remove it without hurting the brain. Then they actually take the tumor out and they take the pellet out also. Then you can take the material.

Okay? But my advice to you is to be careful in dealing with brain tumors because you do have a space limitation here."

Hudson has also provided ORME materials to the National Institute of Health for in-vitro studies. Here the results were no less striking but appeared to provide conflicting results. Most of the cancer tissue cultures did not show reversion of the cancer tissue to normal tissue but rather showed that the cancer just became more healthy. Here is an excerpt from Hudson's July/August, 1996 newsletter:

#### "Now to RESEARCH

"The National Institute of Health has performed cancer cell testing. 6 kinds of tests were performed on leukemia with no direct interaction with Rhodium. 9 types of non-small cell lung cancer were tested with direct retardation of only one type of cell by the Rhodium. That was NCI-H23. There were 7 varieties of colon cancer tested with no interaction with the Rhodium. There were 6 varieties of CNS cancer with no direct interaction.

"There were 8 varieties of Glioblastoma with one variety referred to as the LOX IMVI showing a dramatic reduction of growth in the presence of Rhodium. The LOX IMVI cancer cells are a melanoma form of Cancer.

"There were 6 varieties of ovarian cancer, 6 varieties of renal cancer, 2 varieties of prostate cancer, and 8 varieties of breast cancer -- none of which showed any direct interaction with the Rhodium. There was MD MID tests performed on Delta and also on the Range showing dramatic reduction in Cancer activity.

"Members should be clear that this was not a study on human patients. It did not measure any reaction with the thymus or other organs in the body. The tests did not measure increases in white blood cells, T-cells, etc. It was simply a test of the direct interaction of one ORME (Rhodium) in a cell culture.

"Additional studies were conducted in New York on PC3 independent prostate cancer cells. At 2, 4, and 10 micrograms per milliliter, the Rhodium ORME promoted DNA synthesis (measured by the thymidine incorporation), stimulated cell growth, and cell looked better than usual. Thus Rhodium ORME is not toxic but in fact seems to make the cancer cells more vigorous and robust and clearly does not retard PC3 cancer cells.

"Similar results occurred with mink lung epithelial cells. Incorporation of tritiated thymidine increased from 7,000 cpm to 20,000 cpm.

"In PC3 cells, Rhodium ORME caused cytokine, mRNA, and peptide levels to fall. This correlates with the increased growth rates in these cells since this cytokine is known to inhibit cell growth. It also is known to increase in inflammatory conditions. Therefore, it is possible that the decrease in the cytokine caused by the rhodium ORME could reduce inflammation.

"At the University of Illinois, the Rhodium ORME was tested in cytotoxicity tests using 8 different cell lines. None showed toxicity at levels as high as 20 micrograms per milliliter. This shows that Rhodium ORME is not toxic. Clearly, Rhodium ORME does not act on cancer cells by killing them but many other mechanisms which are not considered normal in cancer research are now being investigated.

### "In Summary

"Rhodium ORME is clearly not toxic -- even at very high concentration. Thus, its anti-cancer action cannot be via a cancer cell-killing mechanism.

"Its effects on growth of cancer cells is cell type specific. It inhibits growth of liver cancer cell lines and the prostate line H23, but not the growth of other cell types. It actually stimulates the growth of PC3 cells and mink lung epithelial cells.

"It inhibits the production of cytokine in PC3 cell and mink lung epithelial cells which suggests the Rhodium ORME may have anti-inflammatory activity."

The implications of this discrepancy need to be examined. If with exposure to the ORME elements, cancer cells revert to normal cells in the body but do not do so in the petri dish, then there must be some factor present in the body that is not present in a petri dish which promotes this reversion.

One explanation could be that there is a non-material field congruent with the body which contains the information the DNA needs to repair itself. The **phantom DNA effect** discovered by Dr. Vladimir Poponin looks like evidence of such a field. Here is an explanation of the DNA phantom effect from the following web link <http://www.webcom.com/hrtmath/IHM/Research/DNAResearch.html>:

"Dr. Vladimir Poponin and his Russian colleagues serendipitously discovered the DNA phantom effect during experiments observing DNA molecules with a laser photon correlation spectrometer. To their surprise, they found characteristic and reproducible patterns of photon scattering both while DNA molecules remained in the path of the laser beam and after the DNA molecules were removed from the laser pathway.

"They were able to detect the photon patterns (which they called the 'DNA phantom effect') for as long as several months after removal of the physical DNA from the system. They realized they had demonstrated a **link** (or coupling) between the electromagnetic energy of the DNA molecule and the zero energy vacuum substructure predicted by quantum physics."

[StealthSkater note: read more at the "**Medical**" page at => [doc](#) [pdf](#) [URL](#) ]



So there are experimental confirmations of a concept very much like **Rupert Sheldrake's** morphogenic field concept.

Now we are getting into the *metaphysical* implications of these new quantum physical theories. As long as we are already here, here are some observations about this DNA repair from a student of yoga theory and practice. The following was written by a gentleman named 'Gary' who describes himself as a "*kundalini* awakened American engineer":

"Regarding Hudson's negative results with in-vitro cancer cultures. Cell cultures do not behave the same as their in-vivo equivalents for processes that involve *kundalini*. Cell cultures contain *pranic* energy. But they lack *nadis* and *kundalini*. As *kundalini* generally oversees and directs the use of ORMEs, this means ORMEs actions in vitro will be substantially impaired -- and much less effective -- than in vivo.

"Some have asked incredulously and sometimes vituperously how DNA could possibly be repaired and restored to its original sequence by \*anything\* once damaged. I have listened to several such exchanges. Some apparently believe that once the DNA is damaged, nothing remains to base a correction on and hence have difficulty understanding how ORMEs (or anything else) could know \*how\* to "fix" sequencing damage once it has occurred (assuming, of course, that both halves of the DNA have been altered).

"Each of us has an *etheric* double which is the coarsest of the subtle counterparts of our physical body. This and some sub-planes of the astral are the level or home of an 'elemental' associated with the innate consciousness of the physical body. This is a separate consciousness like those I touched on in explaining the nature of Consciousness in matter, earlier.

"Regardless of the physical damage cellular DNA may sustain (such as by ionizing radiation, phage-induced mutations, etc.), the subtle template is always there. And though it may be depleted of vitality, it is not susceptible to these sorts of structural damage. It is around this prescient organizational form that our bodies grew in genomic expression, once the individualization phase began in later fetal progress. Every molecule *\*\*related to organization and structure\*\** has its subtle counterpart within it. This is the same matrix which has been observed in the "phantom leaf effect" etc. in Kirlian photography.

*Kundalini* and ORMEs both function, in large part, in 4<sup>th</sup> dimensional *astral* levels. The original subtle "backup copy" of the DNA is readily available to them, at the precise place where it is needed -- right at the damage site in the errant cell's DNA. The subtle part lies (superimposed 4<sup>th</sup> dimensionally) right where the physical part is and there is no problem at all in seeing where the two don't agree.

"There are a variety of mechanisms that repair DNA. In some cases, given sufficient ORMEs in the system, *kundalini* simply uses the ORMEs as a mechanism -- like a read/write head, so-to-speak -- in repairing the damage. ORMEs are used to transfer a resonance from the subtle template to guide the DNase, polymerase, endonuclease, and other various enzymes in removing and recoding the damaged base sequences. Each of the bases has a distinct vibrational signature which the enzymes have no trouble at all in recognizing.

"In a cell culture, the cell's own subtle template is present. But no *kundalini* is present as an organizing force, nor overall template, and virtually no organization is present among the cells. So the genotypical expression elements are largely running open loop.

"How likely is it that ORMEs may effect a cure under these conditions? Not very(!), though they still seem to have some slight beneficial effect. I suggest that they shall have better luck with curing cancers when they experiment on lab mice and other living creatures."

Many modern physicists postulate that quantum coherence links microtubules within and between cells. Some also postulate that a similar quantum coherence links our universe with \*somewhere else\*. Nobel laureate Brian Josephson and statistician Jessica Utts call this \*somewhere else\* a "deeper sub-quantum domain".

In April of 1996, Josephson and Utts wrote an article for the Times Higher Education Supplement's special section on Consciousness linked to the Tucson II conference "Toward a Science of Consciousness". This article was titled "The Paranomal: The Evidence and its Implications for Consciousness". In this article, they wrote the following about how quantum physics might relate to psychic phenomena:

"What are the implications for science of the fact that *psychic* functioning appears to be a real effect? These phenomena seem mysterious. But no more mysterious perhaps than strange phenomena of the past which Science has now happily incorporated within its scope.

"What ideas might be relevant in the context of suitably extending Science to take these phenomena into account? Two such concepts are those of the observer and non-locality. The observer forces his way into modern Science because the equations of Quantum physics (if taken literally) imply a Universe that is constantly splitting into separate branches, only one of which corresponds to our perceived reality.

"A process of "decoherence" has been invoked to stop 2 branches interfering with each other. But this still does not answer the question of why our experience is of one particular branch and not any other. Perhaps -- despite the unpopularity of the idea -- the experiencers of the reality are also the selectors.

"This idea perhaps makes sense in the light of theories that presuppose that quantum theory is not the ultimate theory of Nature but involves (in ways that in some versions of the idea can be made mathematically precise) the manifestations of a deeper 'sub-quantum domain'. In just the same way that a surf rider can make use of random waves to travel effortlessly along, a *psychic* may be able to direct random energy at the sub-quantum level for his/her own purposes. Some accounts of the sub-quantum level involve 'action at a distance' (which fits in well with some purported *psychic* abilities)."

Physicist Matti Pitkanen also postulates that quantum coherence operates between our Universe and somewhere else and that this connection may be directly responsible for *psychokinesis* (which is the direct control of matter by mind). In a May 1997 email, Matti wrote:

"Dear Barry,

"A certain person claiming to have ability to do *psychokinesis* contacted me. He encouraged me to think about a possible TGD-inspired model of *psychokinesis*. Although I have worked only less than week, it seems that this will turn out to be a good question. As a matter of fact, it seems that separate pieces of TGD-inspired model of biosystem begin to fit together very nicely.

"The key concept is what I call "topological field quantization". The magnetic field in TGD decomposes into flux tubes parallel to the flux lines of field. These flux tubes are cylindrical surfaces with outer boundary. If one requires that there is no ordinary matter inside them, then one obtains hollow cylindrical flux tubes with opposite charged wormhole densities on the inner and outer surfaces of this cylindrical surface.

"Note that wormhole flux tubes involve always 2 space-time sheets with opposite magnetic fluxes. Wormholes form a BE condensate. This topologically quantized magnetic field becomes a quantum object of Macroscopic size and a potential conscious being if the TGD-inspired theory of Consciousness is correct!! Jim and other people seem to speak about 'White Gold' almost as a conscious being. They might be right!

"If PK-able person is able to control this kind of Macroscopic field associated with his body, then PK becomes possible by levitation in this field provided the object is wormhole superconductor. [note: recall that wormholes can give rise to superconductivity in which wormholes are charge carriers as well as ordinary electronic super conductivity]. By changing voluntarily the quantized magnetic fluxes in flux lines of magnetic field, the PK-able person can control the magnetic field at will and thus create levitating force.

"Actually, DNA inside cell also could perform similar control of motion. In fact, the genetic code might be transcribed into the structure of the wormhole magnetic field surrounding DNA and this would make possible the translation of genetic code to biostructures. The so-called "phantom DNA" effect is in accordance with the hypothesis that DNA in presence of coherent light (created by microtubules by quantum antenna hypothesis!) gives rise to wormhole magnetic field. Wormhole magnetic fields might be the key feature of biological systems behind coherent photons."

Matti has expanded this concept on his website. In his paper there, he writes:

"The basic philosophy of the model is the following.

"PK is not just some isolated exotic phenomenon but only a special case of the voluntary control of bodily motions which we all routinely perform. The only difference is that the range of voluntary control extends over the boundaries of the body in case of PK.

This leads to important conclusion. PK phenomena must involve classical long-range fields which give for biosystems spatial extension larger than what is visible (that is hands with which to grasp on external object!).



"According to the TGD-inspired theory of Consciousness, the cell and even DNA can be conscious and perform choices. Thus the model should also provide understanding about small-scale biocontrol such as the (voluntary!) control of the motion of cell organelles performed by cell nucleus.

"A related problem is how genetic code is transformed into spatial structures during ontogeny -- and the idea that each DNA sequence corresponds to a characteristic classical field configuration -- is attractive. Thus the model in question is not meant to be an ad hoc solution of a particular problem called 'PK' but a general solution of several basic problems in Biology."

Take a look at [http://tgd.wippiespace.com/public\\_html/newarticlesbio2.html](http://tgd.wippiespace.com/public_html/newarticlesbio2.html) .

It doesn't take a rocket scientist to see that Pitkanen's theory links Consciousness, matter, God, the Universe, and everything. His theory is that superconducting ORMUS elements are present in the microtubules in every cell. These superconducting elements resonance connect with their counterparts in other cells generating a quantum coherence throughout the body.

They also form quantum connections through other space-time sheets to everything else in the universe (and beyond). Pitkanen alludes to this concept in his "Model for soul". He writes:

"The simplest identification for the 'Soul' is as a cognitive representation of the system which need not disappear in death. Thus it should correspond to a space-time sheet or a multi-sheeted space-time which is almost vacuum.

"The Soul should form a representation of itself. And hence its moments of consciousness should correspond to self-perceptions. This is achieved if the Soul corresponds to a double-sheeted space-time such that sheets are symmetry related. This means that they have the same p-adic prime  $p$ . The first sheet observes the second sheet and hence itself in the quantum jumps (e.g., Escher's hand drawing Escher's hand). [DNA's double strand and double lipid layer of the cell membrane could form analogous self representations.]

The entangled quantum states associated with the space-time sheets correspond most naturally to coherent photons and possibly coherent gravitons condensed on the 2 space-time sheets. This is in accordance with the religious mythology where light is in fundamental role and also with the fact that coherent light in the TGD-based identification for the qualia corresponds to the visual sensory experience [TGD,qualia]."

It is interesting to note that all of the concepts described above were coherently described in a book called The "Unknown" Reality by Jane Roberts. This book was reportedly dictated through Jane Roberts in 1974-75 by an "energy essence personality" called 'Seth'. If all of the above theories are valid, they would imply that other organizations of Consciousness -- which are not directly connected to matter like we are -- might exist. I can provide parallel quotes from The "Unknown" Reality by request.

In 1990, Norman Friedman published his book titled Bridging Science and Spirit: Common Elements In David Bohm's Physics, The Perennial Philosophy, and Seth. A couple of years ago, he wrote an article for *Reality Change* magazine which has an explanation about who 'Seth' is as well as an

explanation of some of the correlations between physics and the 'Seth' philosophy. Here are a couple of excerpts from that article:

Seth and Physics: The Construction of the Physical Universe", by Norman Friedman (author of Bridging Science and Spirit and speaker at SethNet '94)

"Jane Roberts (1929-1984) was a novelist and poet before she became a 'channel' for the entity who calls himself 'Seth'. In September 1963, Jane had what she described as her first paranormal experience. While writing poetry, she suddenly felt her consciousness leave her body and simultaneously she began writing (or recording) a torrent of new ideas entering her mind. These writings are the enormously provocative definitions entitled 'The Physical Universe as Idea Construction' [1]. The amazing aspect of this encounter for Jane was that not only were some of these ideas new to her but also that many were contrary to her own beliefs.

"At the time, Jane was researching and writing a book on extrasensory perception (i.e., the acquisition of information outside the 5 senses). As part of her project, she and her husband Robert Butts began experimenting with a Ouija board. After a few sessions, they began receiving messages from 'Seth' (an "energy essence personality" using Seth's terms).

"After a few more sessions, Jane began anticipating the Ouija board messages and speaking them before the pointer moved. Soon after that, she was capable of full trance in which she allowed 'Seth' to use her body to deliver his message. These sessions resulted in a number of books written by Jane Roberts and others dictated by 'Seth'."

Friedman's article goes on to describe several correlations between modern scientific thought and Seth's "theories" and ends with a discussion of the multiple universe theory:

"One final aspect should be considered. If we each make our own reality, how is it that we perceive a single shared reality "out there?" According to Seth, there exists an infinite number of realities all occupying the same space.

As an example, imagine 3 persons plus a cat in a room with a table. According to Seth, there are actually 3 rooms each with a table, each in a 3-dimensional space. There is also a 4<sup>th</sup> room made by the cat. The rooms made by the people are enough alike to create the impression of the same "room" -- the reason being that the humans have the same neurological structure and are on relatively the same level of conscious awareness. The room made by the cat is probably quite different. But since we have no common language, we cannot determine its characteristics.

"You might be thinking that surely there is no counterpart to such an idea in contemporary Physics. But a construct called **Hilbert space** offers some parallels. **[StealthSkater note: Hilbert space was also used in a description of the legendary Montauk Project. See the "PX#Nichols" page at => [doc](#) [pdf](#) [URL](#) .]**

"When Quantum Theory was originally formulated, it was found that ordinary 3-dimensional space was not adequate if all the independent possibilities were to be handled. For example, if 2 electrons make up the quantum state, one 3-dimensional space for both electrons would not allow the physicist to perform such calculations as the

conservation of momentum if 2 electrons collide. In short, a 6-dimensional space is required (3 for each electron). As the possibilities increase, the number of dimensions increase.

"The physicist uses an infinite-dimensional Hilbert space for calculations with the particle becoming a pattern in this infinite-dimensional space. It is as if each electron requires its own space. An analogy would be 2 people in separate cities playing a game of chess and communicating their moves through a telephone link. In such an arrangement, 2 chess boards are required -- each with the pieces placed in the same pattern. Thus the idea that we construct our own reality is like each of us having our own chessboard of life, playing the game according to generally agreed upon rules.

"In summary, Seth makes these assertions which are clearly related to concepts in contemporary Physics:

- Energy is the basis of the Universe.
- Energy is Consciousness. That is to say, mind is inherent in all matter from the elementary particle to the human.
- The Universe is constructed from mental activity and from all consciousness.
- All conscious gestalts are constrained by their level of development but willingly cooperate to create a consensus Reality. In the simplest terms, all is energy, energy is consciousness, and all cooperate for the development of all."

The introduction and preface for "Bridging Science and Spirit" is available on the Web at <http://brassringbooks.com/store/normbook.htm#BSSIntro> . The article quoted above can be found on the same website at <http://brassringbooks.com/store/rcperm.htm#Physics> .

The implications for social science and the humanities of the new theories of quantum physics are thoroughly discussed in The "Unknown" Reality book.

**if on the Internet, Press <BACK> on your browser to return to the previous page (or go to [www.stealthskater.com](http://www.stealthskater.com))**

**else if accessing these files from the CD in a MS-Word session, simply <CLOSE> this file's window-session; the previous window-session should still remain 'active'**