

## The Four Key Intention Experiments

The Webster dictionary defines “intention” as the determination to do a specific thing or act in a specified manner; having something in mind as a plan, design, purpose or goal.

My early intention experiments began with gas discharge devices in the mid to late 1970’s as an avocational pursuit. They clearly showed that subtle energy (biofield) emissions from humans could influence both micro-avalanche population and magnitude in gas discharges<sup>(1-2)</sup>. They also showed that the specific intention of the human could both enhance or eliminate such micro-avalanche discharges. However, this category of Psychoenergetic Science began in earnest in the period 1997-2000 and led to the publication of many papers and the seminal book “Conscious Acts of Creation: The Emergence of a New Physics”<sup>(3)</sup>.

The primary goal of this work was to seriously test the long held unstated assumption of science that “No human qualities of consciousness, intention emotion, mind or spirit can significantly influence a well-designed target experiment in physical reality”. This was done by designing, constructing and running four carefully designed experiments, just as one does in orthodox science. A specific intention was introduced into each experiment via a novel procedure. Instead of directly utilizing the biofield of a human to insert a specific intention into the specific experiment, we first imbedded the intention into a simple electronic device from a deep meditative state<sup>(4-6)</sup>; we next shipped this imprinted device to the laboratory location where the four experiments were being run to gather background data; the specific intention-host device was then placed next to its appropriate experimental apparatus, plugged into an electric power outlet and switched on so as to run in that location for several months while the running experiment was continuously monitored. It should be noted that the total electric power output of an intention-host device was less than one microwatt.

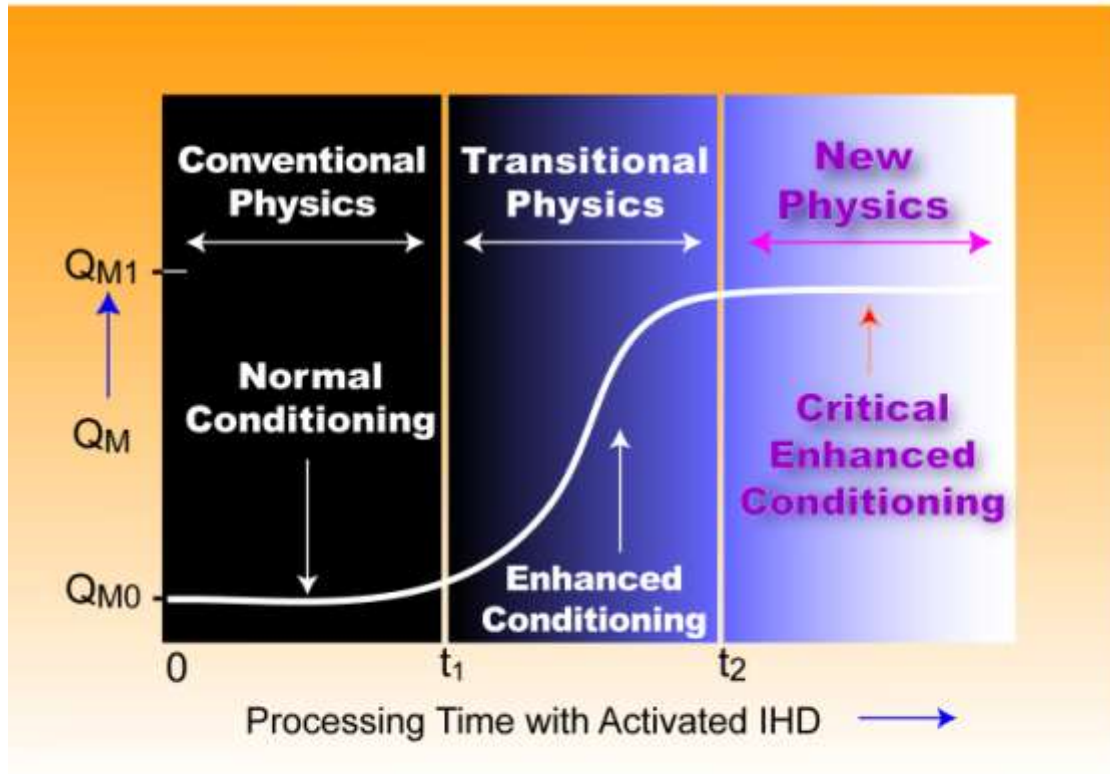


Figure 1. For any typical physical measurement,  $Q$ , the qualitative magnitude change,  $Q_M$ , is plotted versus the degree of locale conditioning produced by continued intention-host device use.

An overview perspective on the general experimental results is schematically illustrated in Figure 1, where one sees that, for any physical measurement,  $Q$ , the qualitative magnitude of property change,  $Q_M$ , is plotted versus the degree of locale space conditioning produced by continued intention-host device use. Here, one sees that nothing much happens to  $Q_M$ , during exposure of the experimental space to the particular intention-host device for time,  $t$ , until a threshold time  $t_1 \sim 1$  month has been passed. Then,  $Q_M$  begins to change from  $Q_{M0}$ , the background value, always in the direction of the specific intention before it begins to level off and plateau at time  $t_2 \sim 3$  months when  $Q_{M1} - Q_{M0} = \Delta Q \sim$  the magnitude of the specific intention originally embedded into the intention-host device from the deep meditative state.

For the first target experiment, the intention was to **increase** the pH of a vessel of water in equilibrium with air at room temperature by +1.0 pH units with **no** chemical additions. Our measurement accuracy was  $\pm 0.02$  pH units. This experiment was robustly successful in yielding the intended **result**<sup>(7)</sup>, which was 50 times larger than the noise level. It was visually noted that plots of pH as a function of time were remarkably more **coherent** in an intention-host device conditioned space than in a normal reality unconditioned space.

The second target experiment was with the same type of water in equilibrium with air at room temperature but, here, the intention was to **decrease** the pH by 1.0 pH units, again with **no** chemical additions. Once again, this experiment was robustly successful. Similar successful results were obtained for alkaline, neutral and acidic water as the starting substance<sup>(7)</sup>.

For the third target experiment, the material medium was an *in vitro* biological molecule, alkaline phosphatase (ALP), a liver enzyme. The intention was to increase the chemical activity of ALP by a significant amount via just exposing the ALP for a period of 30 minutes to its intention-host device “conditioned” space that had been brought to the coupled state of physical reality. Once again, the experimental results<sup>(7)</sup> were remarkably successful compared to the built-in controls. About a 25%-30% increase in ALP chemical activity was achieved at  $p < 0.001$ .

In the fourth target experiment, the material medium was an *in vivo* living system, fruit fly larvae. Here, the intention was to significantly **increase** the ratio of the cell’s energy storage molecule, ATP, to its chemical precursor, ADP, so as to make the larvae more physically fit and thus have a greatly reduced larval development time,  $\tau$ , to the adult fly stage. Again, with built-in controls, this living system was exposed to its intention-host device-“conditioned” space for the entire period,  $\tau \sim 28$  days. We found that the ratio [ATP/ADP] increased by  $\sim 15\%$ - $20\%$  with  $p < 0.001$  and  $\tau$  decreased by  $\sim 20\%$ - $25\%$  at  $p < 0.001$ .<sup>(7)</sup>

One might ask, “how is it possible for something like this to occur in the physical reality with which we are all so familiar?” The answer is that, from our experimental work of the past ten years, we have discovered that there are actually two levels of physical reality and not just

the **one** with which we are all familiar. It is this new level of physical reality that can be significantly influenced by human intention – not our familiar electric atom/molecule level!

The two basic kinds of unique substances inhabiting these two levels of physical reality appear to interpenetrate each other but, normally, they do not interact with each other. We label this state as **the uncoupled state** of physical reality. In the uncoupled state, with one's five physical senses, we can detect out normal physical environment all around us. This new level of substance, because it appears to function in the physical vacuum (the empty space between the fundamental electric particles that make up our normal electric atoms and molecules), is currently invisible to us and to our traditional measurement instruments. It also appears to be of a magnetic information-wave nature.

It is the use of these intention-host devices that affects the experimental space in such a way that meaningful coupling begins to occur between these two very different kinds of substance. Then, the vacuum level of physical reality becomes partially visible to our traditional measurement instruments. We have labeled this condition **the coupled state** of physical reality. Figure 9 metaphorically illustrates

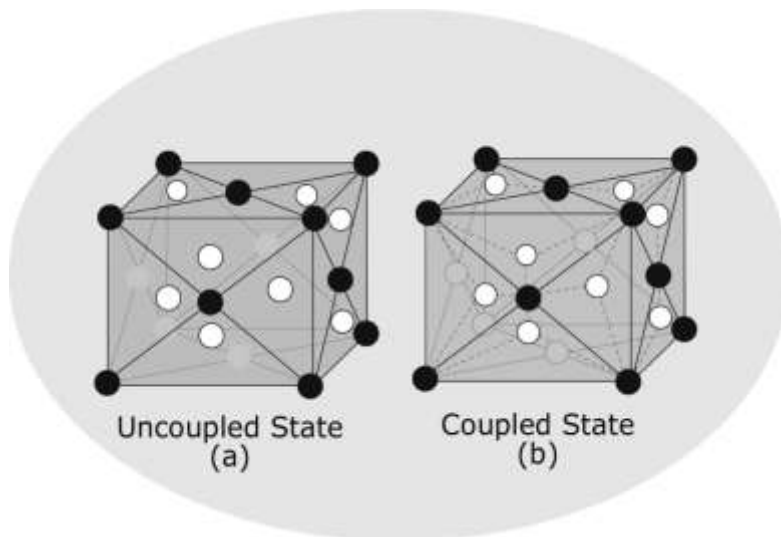


Figure 2. The physical reality metaphor; (a) the uncoupled state and (b) the coupled state.

a key difference between a material in these two states of physical reality. In Figure 2, the black balls represent the electric substance and the much, much smaller white balls represent the magnetic substance. The black lines joining the black balls to each other represents that they are interacting with each other and, in (a), since no lines connect the white balls with the black balls, this represents that they are **not** interacting with each other – the uncoupled state. In Figure 2 (b), the dashed lines connecting the white balls with the black balls represents that use of an intention-host device has caused them to significantly interact with each other and produce the coupled state of physical reality.

The implication of all of this for our world is enormous! However, before proceeding to discuss some major implications of large-scale use of such intention-host devices in scientific laboratories and industrial sites around the world, let us look at a few of our key experimental results upon which I have based the foregoing remarks.

Returning, momentarily to the Figure 8 message, this general result can be put in a simple equation form as

$$Q_M(t) \approx Q_e + \alpha_{\text{eff}}(t)Q_m, \quad (4)$$

where  $Q_e$  is our normal electric atom/molecule value,  $Q_{M0}$ , of the uncoupled state,  $Q_m$  is the vacuum level value and  $\alpha_{\text{eff}}$  is the time-dependent **coupling** coefficient between the two types of substances due to use of the intention-host device as the space transitions from the uncoupled state to the coupled state of physical reality. The magnitude of  $\alpha_{\text{eff}}Q_m(t > t_2)$  is  $\Delta Q_m = Q_{M1} - Q_{M0}$ . When  $\alpha_{\text{eff}} \sim 0$ , then Equation 4 replicates data from our normal uncoupled state physical reality. However, when  $0.05 < \alpha_{\text{eff}} < 1.0$ , Equation 4 produces results for coupled state physical reality<sup>(7)</sup>.

One of the key experimental observations concerning an intention-host conditioned space is the significant change in the DC magnetic field polarity effect associated with the

transition from the uncoupled state to the coupled state of physical reality<sup>(7)</sup>. The main elements of the experimental set-up are illustrated in Figure 3. Here, the disk-magnet is first placed with either the N-pole or the S-pole pointing upwards for 3-4 days while continuously monitoring the pH. For an **uncoupled state** space, one observes that **no change** in pH occurs regardless of which pole is pointing upwards. This is exactly what one should expect because our normal state (uncoupled) of physical reality contains only magnetic dipoles and no single N- or S- pole magnetic charges. For such a dipole, the magnetic force and

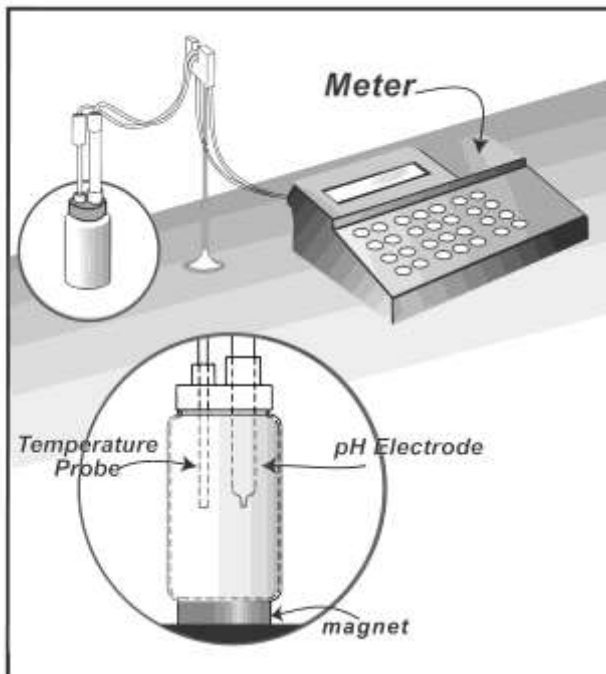


Figure 3.

Experimental set-up for testing changes due to a DC magnet placed under the water vessel with either the N-pole or S-pole axially and vertically aligned and pointing into the water.

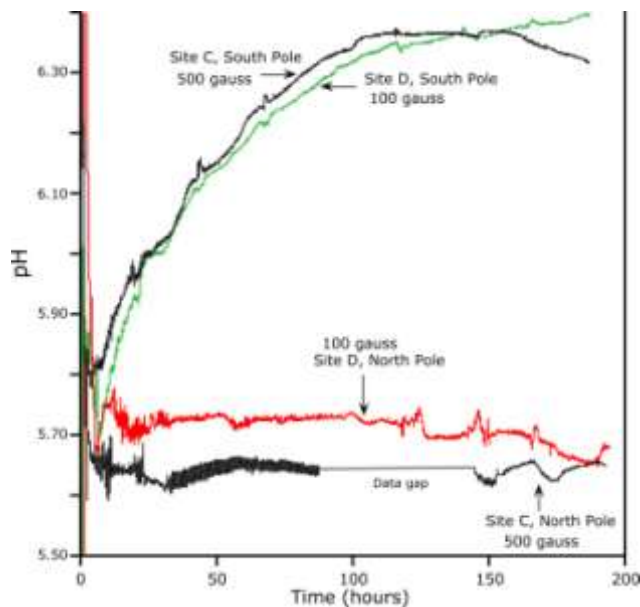


Figure 4.

pH changes with time for pure water for both N-pole up and S-pole up axially aligned DC magnetic fields at 100 and 500 gauss.

magnetic energy is proportional to  $H^2$  and is independent of dipole orientation. However, for a coupled state space, one observes a result like that shown in Figure 4 where a very significant change in pH occurs; the S-pole pointing upwards leads to the water becoming more alkaline and the N-pole pointing upwards leads to the water becoming more acidic. This result cannot possibly occur if only magnetic dipoles are present in the water. Only the accessing of magnetic monopoles via an Equation 4-kind of process would lead to this kind of behavior. This strongly suggests that an intention-host conditioned space is functioning at an electromagnetic gauge symmetry level where both electric monopole charges and magnetic monopole charges naturally coexist (the SU(2) EM gauge symmetry state  $\cong$  the coupled state of physical reality).

The second phase of our experimental research began with the performance of a replication study for experiment #1 because of its simplicity. The study was conducted at ten sites in the U.S. and Europe<sup>(8,9)</sup>.

Three of the intention-host sites, in Arizona, Missouri and Kansas, had control sites 2 to 20 miles distant. These control sites had exactly the same type of equipment and water but **never** an intention-host device. Excellent experimental replication occurred at all three intention-host device sites with the pH(t) rising exponentially with time in the following fashion:

$$pH(t) = pH_{th} + \Delta pH(1 - e^{-\beta t}). \quad (5)$$

Here,  $pH_{th}$  is the theoretically predicted value for an uncoupled state space at room temperature,  $\Delta pH$  is the total magnitude of pH change, and is usually quite close to the intended value, while  $\beta$  determines how rapidly the exponential function,  $e$ , decays. Both  $\Delta pH$  and  $\beta$  are site-specific. Surprisingly, at the nearby control sites, very similar pH(t)-behavior was observed. This behavior strongly suggested that room temperature, information entanglement was occurring between the intention-host device sites and their control sites 2 to 20 miles away.

To test this hypothesis, we utilized the Baltimore and Bethesda sites as control sites for the Arizona, Missouri and Kansas intention-host device-sites. We found that within one to two months the pH(t) was increasing exponentially by  $\sim 0.8$  pH units. Thus, the room temperature

information entanglement was both found to exist and now had been extended to ~1500 miles.<sup>(8,9)</sup>

Next, we decided to use the London-site, and ~3 months later the Milan site as control sites for the (AZ, MO and KS) intention-host device sites. Within 3 weeks the  $\Delta\text{pH}$  had increased by ~1 pH unit at the London-site and, 3 months later the Milan site went online and within 1 week the  $\Delta\text{pH}$  at that site had increased exponentially to ~1 pH unit. Thus, this information entanglement phenomenon had now been proved to extend **at least 6000** miles.

The last important result to note regarding the coupled state vs. the uncoupled state was discovered by utilizing the services of a world-class kinesiologist<sup>(10)</sup> to determine if the human body already has an organ or body system that is at the coupled state of physical reality. The probe utilized was a DC magnet rod of small diameter and tested the strength of various muscle groups under two conditions by bringing the south pole or the north pole of the magnet to within ~1 cm of a particular muscle group. We found that the particular muscle was significantly strengthened for the south pole addressing the group and greatly weakened when the north pole of the magnet addressed the group. This DC magnetic field effect indicates that the human acupuncture meridian system, which is subtly connected to the proprioceptors in muscles, is **already** at the **coupled state** of physical reality. Thus, human intentions can significantly influence Qi-flow in the human acupuncture meridians and thus the induced electrical energy flows in the normal tissues and organs of the uncoupled state human body. By sustained and focused, specific intentions, humans can, in principle, develop themselves into adepts, masters and avatars. Of course, this procedure can be readily utilized for preventive medicine in our society.



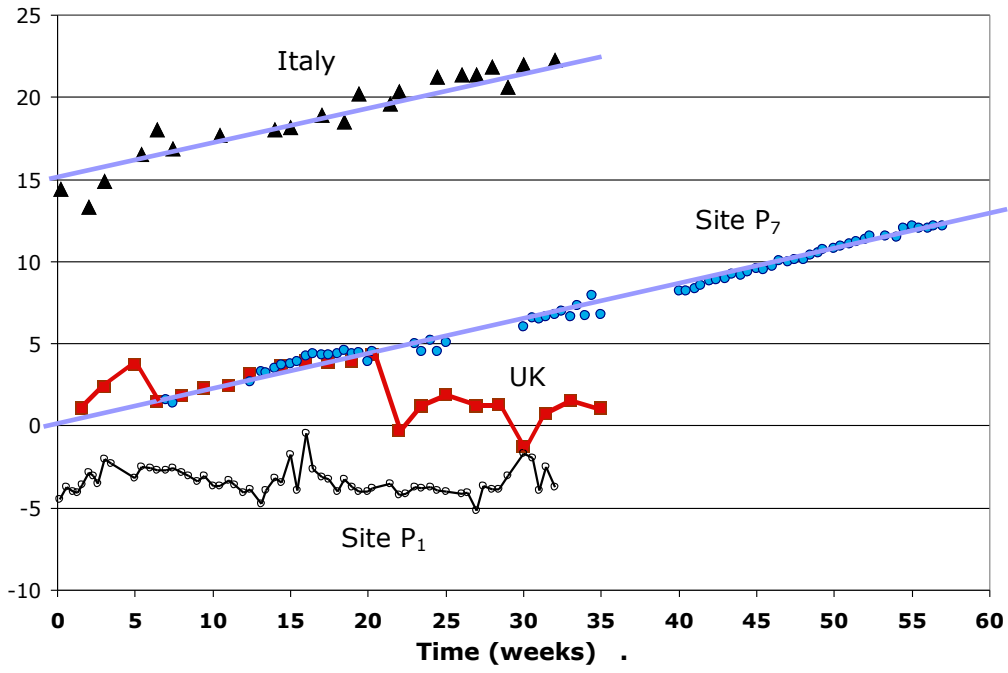


Figure 5.  $\delta G^*_{H^+}$  vs. time at four diverse sites.

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