

Some Background on Dr Tiller's Work

Four Target Experiments that Spin Science on Its Head

Human beings that are highly inner-self managed can hold a focused thought – intention- from a deep meditative state for 20-30 minutes (Figure 1). This intention or information can be “imprinted” into a simple electrical device. The actual device is not all that important. Indeed, anything can be imprinted, but for standardization, an unimprinted device (UED) is used. Not only can properties of inorganic materials such as pH of water be changed in line with the intention, but liver enzyme activity (chemical potential) of alkaline phosphatase (ALP) can be augmented. The life cycle of a whole living system such as the fruit fly drosophila can be positively impacted and have also been target experiments.¹ The pH of water results have been replicated by others numerous times.

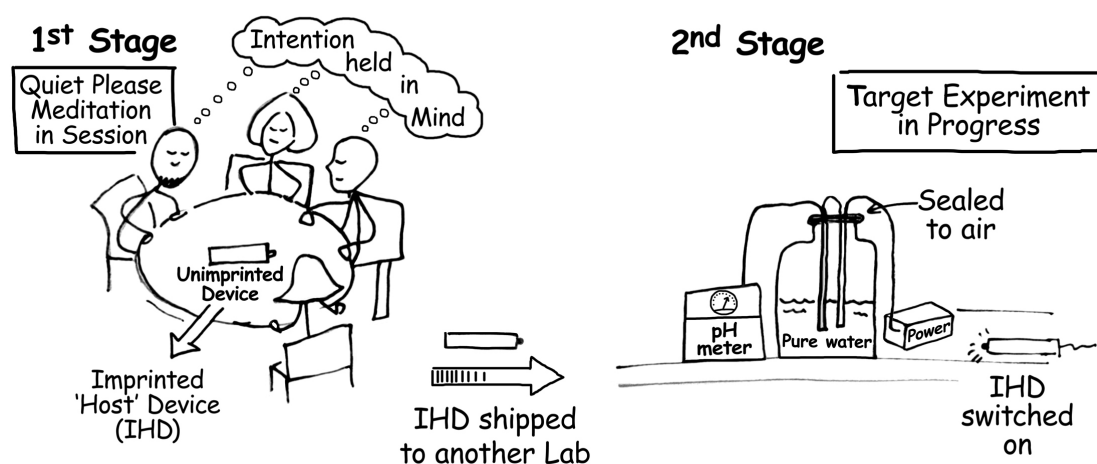


Figure 1: The 2-stage Protocol of the Target Intention Experiments¹

Human Intention Raises The Symmetry States of the Physical Space.

The replication of the target experiments led to a startling finding: the laboratory space wherein the target experiments are conducted *itself* undergoes a fundamental change. The space becomes “conditioned” (Figure 2).¹

The thermodynamics of a conditioned space are different than normal reality. Normally empty space, also known as the “physical vacuum” in Physics, has tremendous stored potential energy (see below). The physical vacuum also has unique levels or gauge states. Normal reality is at the atom-molecule gauge state and this is readily measureable as it is electric-charge based. On the other hand, the physical

vacuum is devoid of electric-charge based particles by definition and in this sense it is 'invisible' to conventional and traditional measurement instruments. Tiller and colleagues have developed subtle energy detectors and they have found that any change in physical space characteristics can be quantified in a predictable and reproducible way.² In many cases, the excess thermodynamic free energy of the experimental space was measured to *more than double* from its normally expected room temperature value due to this type of space conditioning to a higher electromagnetic gauge symmetry state.²

Everyday world experience teaches us that there is an impression (or signature) to each space in which we live and work and visit. Each space has its own 'feel' or level of conditioning. The bedroom of our house feels quite different than the kitchen or the den. Dramatic examples are the great cathedrals of Europe where, over centuries the space is conditioned to a very high degree by all the people who visit and hold prayerful intentions in such a space. This kind of sacred space feels very different compared with say, the space of a café.

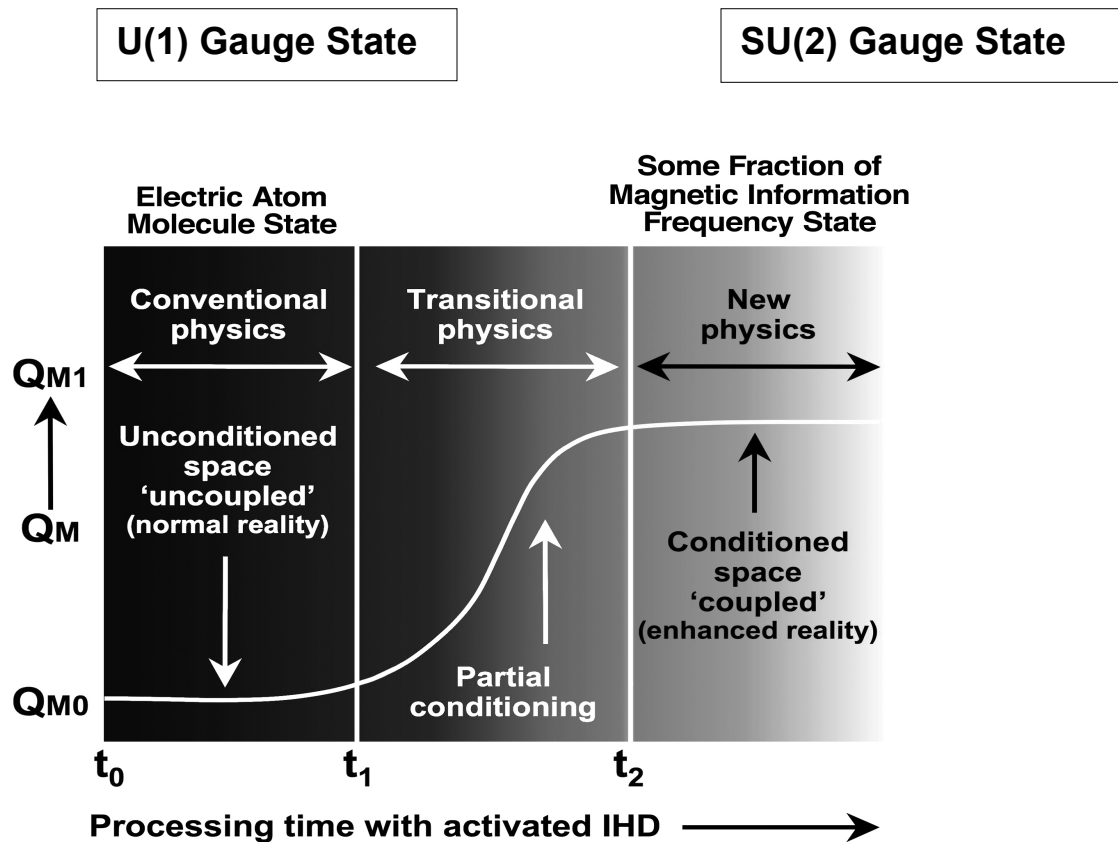


Figure 2: The time-evolution pattern of the intention target experiments. The measured property, QM, of a particular material (e.g., pH of water) is shown as a function of time (t) of exposure of the experimental space to the Intention Host Device (IHD). The measurement at t_0 is QM_0 , the value expected in the unconditioned space (normal electric charge-based U(1) gauge state on the left). After approximately t_0 to t_1 , between one and two months, the $QM(t)$ data begin to change in a sigmoidal fashion, always in the direction of the specific intention, to a value close to $QM_1 \sim QM_0 + \Delta QM(\text{intention})$. The SU(2) gauge is the "conditioned" state of physical reality wherein the effects of the IHD are observed.

The Second Law of Thermodynamics: Increased Coherence and Reduced Entropy of a Conditioned Space and the Buddha Relics Tour (White Paper #XXV)

The Second Law of Thermodynamics is one of the most fundamental laws in science.³ Scientists trust the foundations of the Second Law implicitly. It has even been referred to as the scientific equivalent of Shakespeare.⁴ Every process and discovery in nature conforms to this law. All processes in nature are driven by a difference in thermodynamic free energy, G (for Gibbs free energy). The Second Law also tells us that in physical terms, over time a system tends toward maximal disorder, or entropy. And startlingly, *every* physical system must inevitably tend toward maximum disorder (entropy) and death.

The master equation of the Second Law is the following:

$$G = PV + E - TS$$

Equation 1

Here the P =pressure, V =volume, E =internal energy, T = temperature, and S =entropy, a measure of disorder. Thus, all the terms that can lead to changes of G , that is, ΔG , ($P\Delta V$, $V\Delta P$, ΔE , $T\Delta S$, and $S\Delta T$) are equally important for producing significant changes in our world. We can examine the results of the Relic-IHD space conditioning experimental results, and ask: do the results conform to the Second Law? Remember, this is a fundamental Law and to date there have been no observations in nature that violate it.

If we then consider each of the terms in the right side of the equation, we can systematically determine where the contribution of the excess ΔG in a “conditioned” space is originating from. It was clear from the Buddha Relic tours and the Tiller home casita experiment that the excess ΔG does not have a significant contribution (if at all) from pressure changes within the space nor does the volume of the room change.

Turning our attention to internal energy, E , and temperature, T , terms, the temperature in the space of the Relic tours and casita did not change by more than $\pm 10^\circ\text{C}$. A ΔT effective of 700°C would give rise to flames if it was internal energy (E) that was contributing. Internal energy was NOT the one. Therefore, the measured thermodynamic free energy change is probably due to a large **decrease of** thermodynamic entropy via an increased **coherence** in the strongly “conditioned” space. In other words, the excess ΔG is from a reduction in the disorder (entropy), or S term of the Second Law. It is known that entropy, S , and information, I , are intimately related. Any change in the magnitude of information, ΔI , is related to a change in entropy, ΔS , by *exactly* the same amount where:

$$\Delta S = - \Delta I \rightarrow \Delta G = -T\Delta S = T\Delta I$$

Equation 2

The lessons we have learned from this study are:

- (1) Imprinting meaningful information of the Buddha Relics (loving kindness energy) onto a simple electrical device (IHD) via passive exposure to the Relics is possible,
- (2) Activating this Relic-IHD information to, in turn, imprint itself onto the space of a particular room (the Tiller casita) so that a *quantitative thermodynamic* measure of its energetic essence can be physically realized (Figure 3, see below) is also possible,
- (3) Crucially, a verbal request from a deep meditative state by four humans appeared to be a necessary condition for this “imbedded loving kindness essence” to manifest itself in this way and
- (4) The physical space-conditioning by the Relic-IHD appears to be much stronger than that generated during the original target IHD experiments
- (5) Information in the context of these space conditioning experiments refers to the quality of loving kindness essence, the most powerful force in healing that humans ‘experience. Information conversion is related to the change in entropy. Less entropy is more coherence – these two aspects go together.

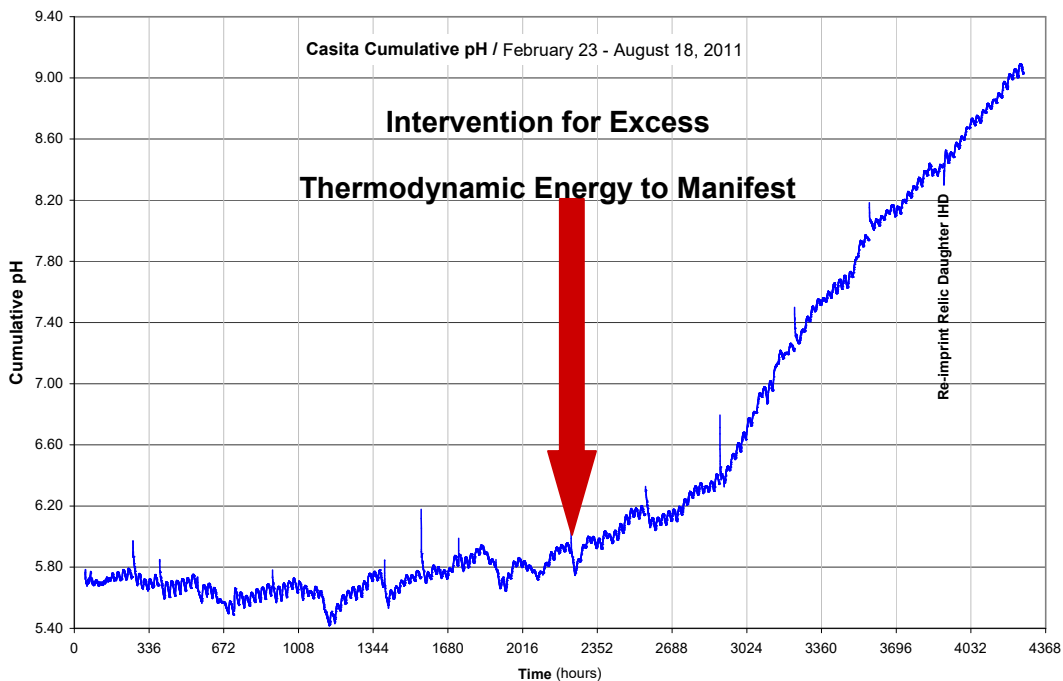


Figure 3: Cumulative pH water change associated with the Relic-IHD. Following the intention (red arrow) for the excess thermodynamic energy to manifest in the experimental space (Tiller home casita), the change in pH water subtle energy detector was robust over the following 2 months (see text).

1. Tiller WA. Psychoenergetic Science: A Second Copernican-scale Revolution. Walnut Creek, California: Pavior Publishing; 2007.
2. Tiller WA, Dibble WE. Toward general experimentation and discovery in conditioned laboratory and complementary and alternative medicine spaces: part v. Data on 10 different sites using a robust new type of subtle energy detector. J Altern Complement Med 2007;13(1):133-49.
3. Vedral V. Decoding Reality. The Universe As Quantum Information. Oxford, United Kingdom: Oxford University Press; 2010.
4. Crease RP. The Scientific Equivalent of Shakespeare: The Second Law of Thermodynamics. In: The Great Equations Breakthroughs in Science From Pythagoras to Heisenberg. New York and London: W. W. Norton & Company; 2008:111 to 28.