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White Paper XXIV

***An Introduction to
Psychoenergetic Science &
Information Medicine***

by
William A Tiller, Ph.D.

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DESCARTES

The **Unstated Assumption**
of
today's **Establishment Science:**

*"No human qualities of **consciousness**,
intention, **emotion**, **mind** or **spirit** can
significantly influence a well-designed
target experiment in physical reality."*

Because there was a natural hangover from the earlier religious-based paradigm, in the early 1600s, Descartes proposed that society adopt this assumption in order to clearly separate what is science from what is religion.

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A Metaphor for Today's Orthodox Science:

MASS $\leftrightarrow$ ENERGY

Many different variants studied over the past 400 years

Einstein: $E = mc^2$

*Human consciousness is **NOT**
a significant experimental variable*

4

Introduction:

Around 1500 AD, the theocratic paradigm was replaced by the science paradigm of Copernicus, Galileo, Kepler, Newton, etc, who used a distance-time only reference frame (RF) for investigating nature (3 perpendicular coordinates of distance and one of time).

A relevant metaphor for broadly characterizing the scientific efforts of the next ~400 years is shown here.

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Psychoenergetic Science:

*Human consciousness **IS**
a significant experimental variable*

MASS ↔ ENERGY ↔ INFORMATION ↔ CONSCIOUSNESS

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Slide #2 was very useful for the 1600s. However, it is still in force in the unconscious mind of today's orthodox scientists (and thus orthodox medical practitioners) and that is not good.

Tiller and his colleagues decided to seriously test this unstated assumption and found it to be quite wrong in today's world. These experiments, which are to follow, led to the creation of psychoenergetic science.

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Thermodynamics:

Internal energy

Entropy

$G = PV + E - TS$

Pressure Volume Temperature

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Over the past 150 years, we have learned that all processes in nature are driven by a difference in thermodynamic free energy, G.

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Information Theory:

$\Delta I_j = -\Delta S_j$

→ **$G = PV + E - T(S_o - \Delta I_j)$**

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Over the past 70 years, we have learned that a process in nature leading to an increase in **information content** of the cosmos by an amount ΔI also creates a change in thermodynamic entropy, $\Delta S = -\Delta I$. This leads to a value of G given in this slide.

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**How do we experimentally
test whether or not this
DESCARTES
assumption is correct in
today's world?**

Now one can see quantitatively, how information creation via a natural process **increases** the thermodynamic free energy of nature. That is why information, as driven by human consciousness (slide 7) is intimately connected to internal energy, E , (via slides 4 & 5).

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Carefully designed 4 target experiments :

- (1) $\Delta pH = +1$ units (water)
- (2) $\Delta pH = -1$ units (water)
- (3) *in vitro* exposure of ALP to an IHD-conditioned space for 30 minutes (ALP=alkaline phosphatase enzyme) (IHD=intention host device) to significantly increase a_{ALP} (a=chemical activity)
- (4) *in vivo* exposure of fruit fly larvae for entire lifetime (~28 days) to significantly increase the ATP/ADP ratio in the cells and thus reduce the fly development-time, τ , to the adult fly state.

Four uniquely different target experiments were carefully designed with one special IHD imprinted for each different target experiment.

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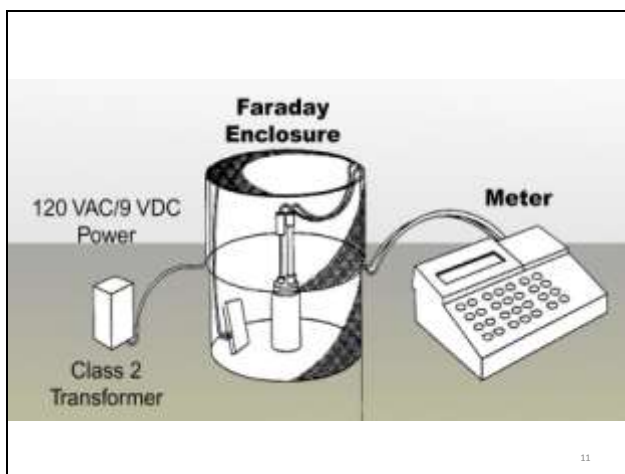
How did we insert human **intention** into these experiments?

Place an appropriately imprinted IHD ~1 ft to 2 ft from the continuously running and monitored target experiment & continue to gather the recorded data!

Testing the Descartes Assumption

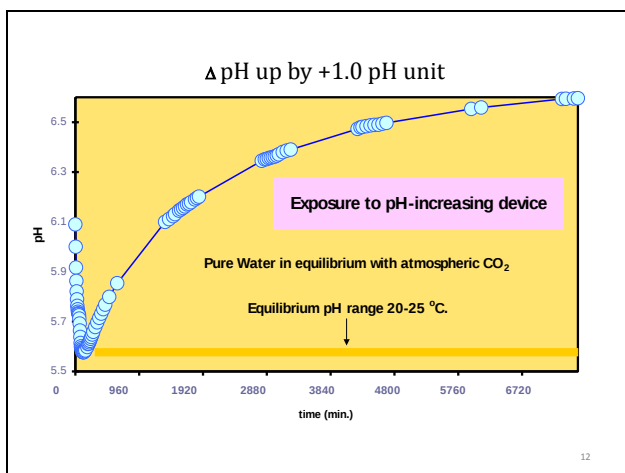
By 1997, after almost 30 years of personal subtle energy investigations, Tiller had experimentally found that a simple electronic device was capable of storing a specific intention (aspect of consciousness) within its electrical system when imprinted by well-qualified meditators focused on the task from a deep meditative state. The imprinted device was eventually labeled an IHD (intention host device).

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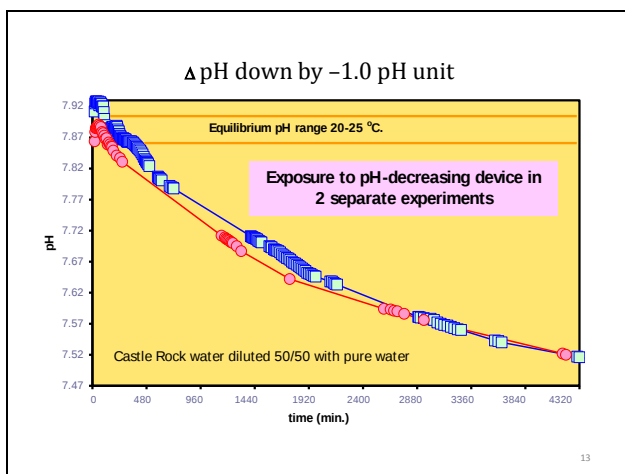
Once the particular target experiment was set up and running to gather background data for about a month, its own imprinted IHD was placed about a foot or so from the operating measurement equipment and switched on.

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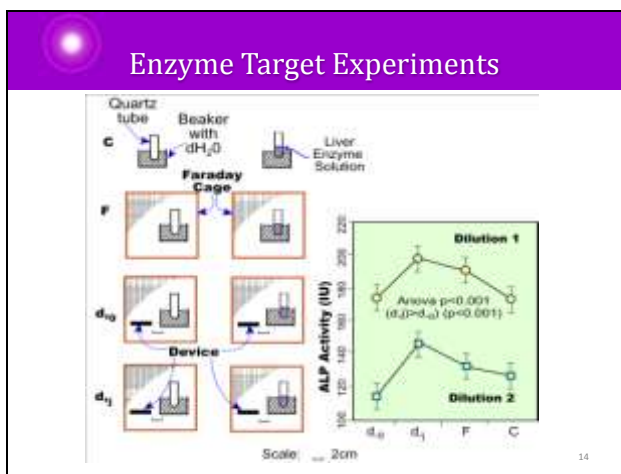
The two inorganic material targets involved a 10-fold decrease in chemical activity of the H⁺-ion

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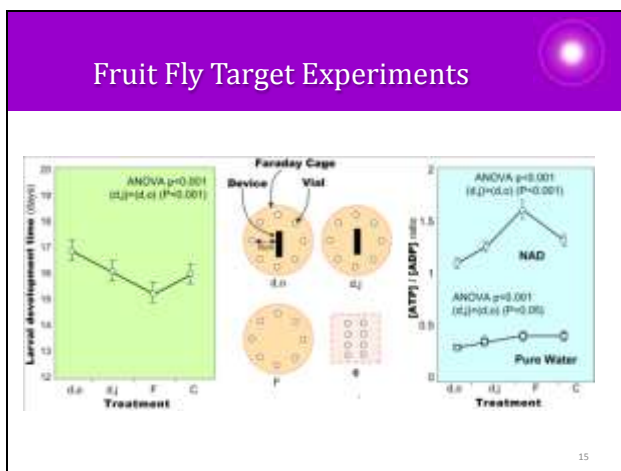
a 10-fold increase, in a particular chemical change (the H⁺ ion). Both were robustly successful!

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The two inorganic material targets, one *in vitro* and the other *in vivo* were exposed to the imprinted IHD-conditioned room for different amounts of time and the material chemistry (the enzyme-ALP) change noted. (30 minutes exposure)

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The former exposure time was 30 minutes and yielded a plus 30% increase in chemical activity of ALP at p<0.001. The latter exposure time was the entire duration of the species' lifetime (~28 days) and yielded an **increase** in the key chemical (ATP/ADP ratio) by about 15% at p<0.001 and a **decrease** in time (fruit fly) to its mature state by about 25% at p<0.001

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Main conclusion :

The unstated assumption of today's orthodox science is very, very wrong!

All four target experiments were **robustly successful**, proving that, in today's world, the unstated assumption of orthodox science is **very, very wrong!** Human consciousness, properly applied, is a significant thermodynamic variable in the conduct of orthodox experiments in the study of nature.

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References:

1. W.A. Tiller, (2007) Psychoenergetic Science: A Second Copernican-Scale Revolution, (Pavior Press, Walnut Creek CA), p 72, Fig 4.3.
2. W.A. Tiller, W.E. Dibble, Jr. & J.G. Fandel, (2005) Some Science Adventures with Real Magic, (Pavior Press, Walnut Creek, CA), pp 89-92.
3. W.A. Tiller, (2007) Psychoenergetic Science: A Second Copernican-Scale Revolution, (Pavior Press, Walnut Creek CA), pp 73-82.
4. W.A. Tiller, W.E. Dibble, Jr. & M. Kohane, (2001) Conscious Acts of Creation: The Emergence of a New Physics, (Pavior Press, Walnut Creek, CA) Chapter 6.
5. W.A. Tiller, W.E. Dibble, Jr. & J.G. Fandel, (2005) Some Science Adventures with Real Magic, (Pavior Press, Walnut Creek, CA), Chapter 2.
6. W.A. Tiller, (2007) Psychoenergetic Science: A Second Copernican-Scale Revolution, (Pavior Press, Walnut Creek CA).
7. W.A. Tiller, W.E. Dibble, Jr. & M. Kohane, (2001) Conscious Acts of Creation: The Emergence of a New Physics, (Pavior Press, Walnut Creek, CA).
8. W.A. Tiller, www.tiller.org, White Paper V (free to download), "Why Has Orthodox Physics Neglected the Superluminal Velocities of de Broglie Pilot Wave Components?"

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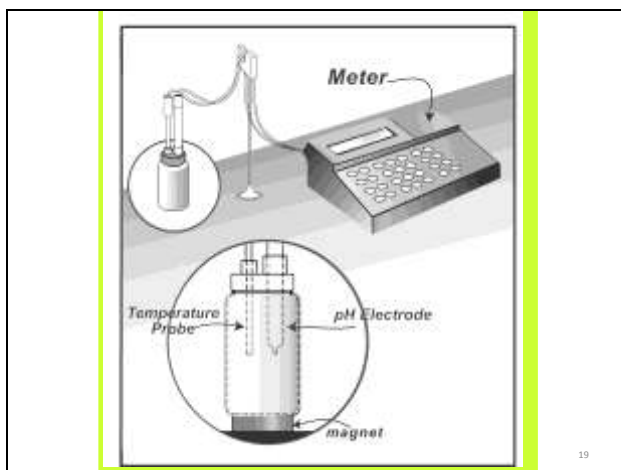
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IHD-Conditioned Space Experiments

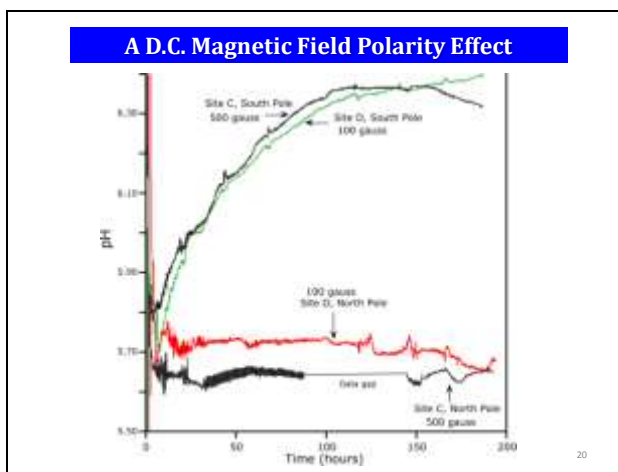
In addition to the remarkable results of the previous section devoted to the four target experiments, the activated, imprinted IHDs left the experimental space strongly **conditioned** to a superior level of physical reality that has manifested several new and unique characteristics. What are these new characteristics and what does it tell us about the nature of **nature**?

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A disk-shaped ceramic magnet was placed symmetrically under the pH-measurement vessel.

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- From such a conditioned space, one appears to be able to access magnetic monopoles (or at least very strange pH-behavior in the presence of DC magnetic field polarity change). This slide⁽¹⁾ illustrates this strange behavior when a disk-shaped ceramic magnet was placed symmetrically under the pH-measurement vessel (slide #18). This behavior cannot possibly occur in our conventional reality, where only magnetic dipoles exist (the U(1) gauge symmetry state). However, if the “conditioned” space has been lifted to the higher SU(2) gauge symmetry state, then electric monopoles and magnetic monopoles could coexist and the data illustrated here would be theoretically allowed. (see Figure 7 White Paper VII)

If we take this presence of a “DC magnetic field polarity effect” as a criterion indicating that the SU(2) rather than the U(1) gauge state is operating in a system, we could test the human acupuncture meridian/chakra system, via placing one end of a rod-shaped ceramic magnet in the near field of acupuncture points and see what happens when the south pole vs the north pole is adjacent to such points. Using advanced kinesiological testing procedures, we found that the south-pole significantly strengthened the arm muscle while the north-pole significantly weakened the arm muscle⁽²⁾. This means that the human acupuncture meridian system is always at the SU(2) state which thus has a higher thermodynamic free energy per unit volume than the rest of the physical body which is at the U(1) state. Thus, focused intention held by a human to heal an organ, muscle group, body system, etc, can drive chi-flow in the SU(2) state system to induce the wore electric →enhanced electric current-flow in the U(1) state system to heal that aspect of our overall physical body.

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"Conditioned" Space Experiments

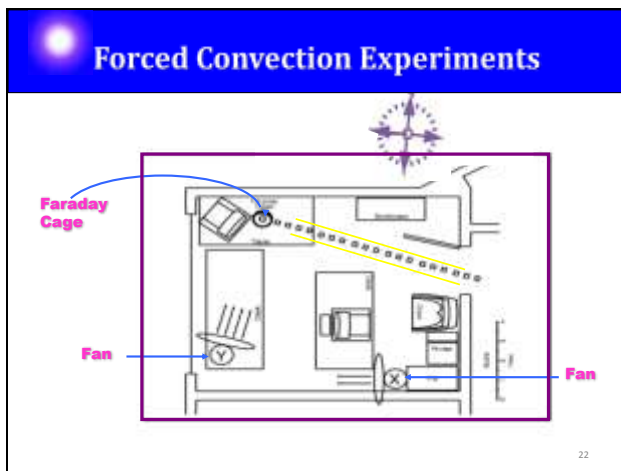
- pH Vessel in **Faraday** Cage and Line of **Thermistors**

Extending to **11 Feet** Away May Exhibit Small Homogeneous Air Temperature Oscillations Due to Natural **Convection** in the Room for a U(1) EM Gauge Symmetry State. If a **Fan** is Directed at These **Oscillations**, They Should **Disappear**.

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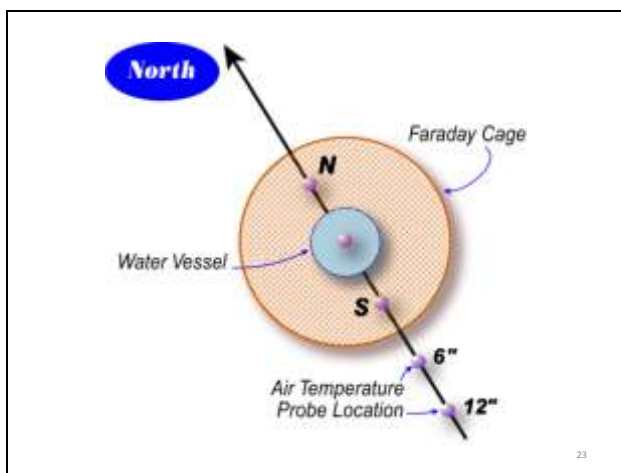
B. In such an IHD-conditioned space, all measured material properties exhibited large time-dependent oscillations in the one-tenth to one-millionth Hertz range^(3,4) (slides 19-28). This type of behavior is never seen in our normal U(1) gauge state physical reality.

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C. Such an imprinted IHD-conditioned space exhibits great property coherence behavior over the entire room (10 ft square floor). When the expected source of the oscillations, is removed to a far location, the room oscillations do not decay immediately (they would in a U(1) gauge state room) but decay only very slowly (over a month or so) with a wave pattern inversion by insertion of a quartz crystal into the experimental space^(3,4). These types of behavior are never seen in our normal U(1) gauge state physical reality.

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Illustrating the experimental setup.

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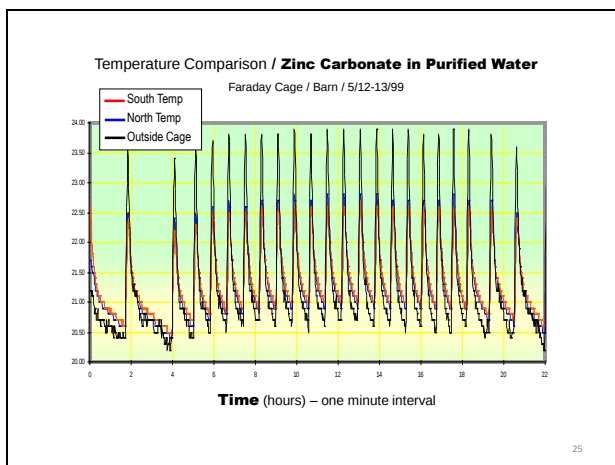
But in an IIED-Conditioned Space:

- (i) **Oscillation** Amplitude is Large with a **Unique** Pattern.
- (ii) **Fourier** Transform all **Nest** with Each Other.
- (iii) A Blowing Fan Does **Not Eliminate** the **Oscillations**.

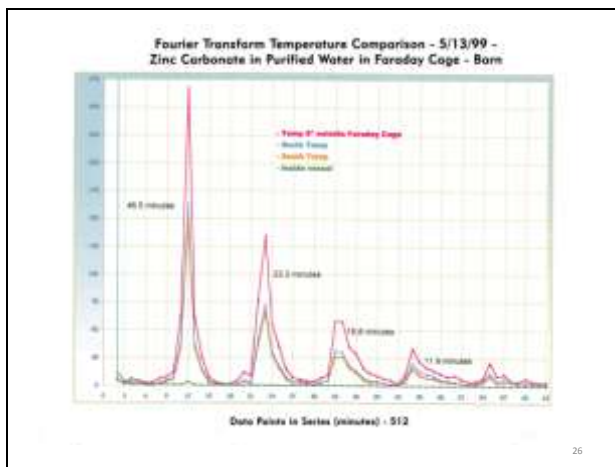
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D. In such an IHD-conditioned space, non-local information entanglement (~100 feet to ~6000 miles) was experimentally observed to occur between a “conditioned” space of large size (~10,000 cubic feet) and an **unconditioned** space of macroscopic size at room temperature. This is very different than in our normal quantum mechanical, U(1) gauge state reality.

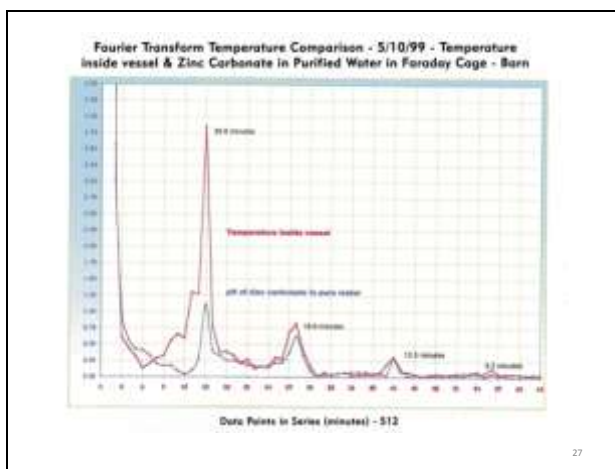
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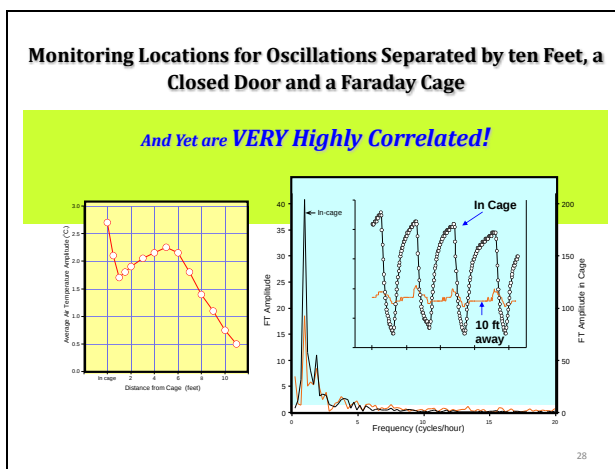
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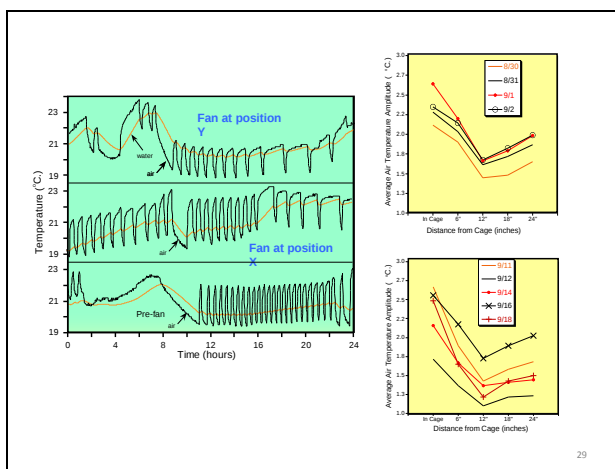
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But in an IIED-Conditioned Space:

(iv) Removing FC & Water **Does Not Remove** the Oscillations.

(v) Quartz **Crystal** vertical (c-axis up) Slightly Increased Phantom T-Oscillation Amplitude.

(vi) **Rotating** the Crystal 90° Caused an **Inversion** Immediately.

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Immediately after our very first IHD imprinting session, Tiller did a simple experiment of placing an unimprinted IHD and this imprinted IHD about 100 feet apart and turned them both **off** electronically. We noted that after ~5 days, the unimprinted IHD had picked up the imprint of the IHD ~100 feet distant. This would never happen in an unconditioned, normal, U(1) gauge state space. Thus, there is a second type of information signal than electromagnetism (EM) operating in nature and which probably operates with a different channel than distance-time.

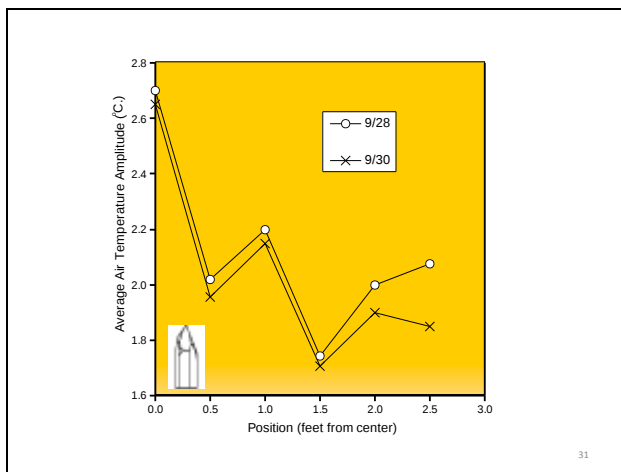
When we did a successful replication study of the target, $\Delta\text{pH}=+1$ pH units at 5 different sites in the U.S.⁽⁵⁾ we found that the 3 activated IHD sites were information entangled first with control sites, 2 to 20 miles away, where **no** IHD was present. Next, information entanglement occurred with sites ~1500 miles away and lastly with two sites in Europe (~6000 miles away). No IHD was present at any of these latter sites.

We have concluded from all this that:

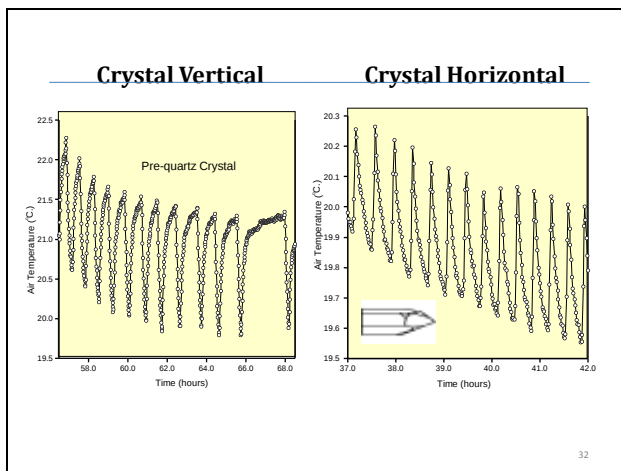
- There is at least **one other** communication medium functioning in present nature than EM and at least **one other** information broadcasting channel in nature than D-space-time (spacetime);
- We need to expand our reference frame (RF) for viewing nature to a duplex RF, consisting of two, **reciprocal**, four-dimensional sub-spaces, one of which is spacetime (D-space);
- The reciprocal sub-space (R-space) is the coarse physical vacuum domain. This is a frequency domain with 3-spatial frequency coordinates and 1-temporal frequency coordinate that exists **between** the fundamental electric particles that make up our normal electric atoms and molecules;

- Because of the reciprocal relationship between these two sub-space domains, the thermodynamic equilibrium magnitude of a specific material property in the electric atom/molecule domain (D-space) has its mathematically complex conjugate property functioning in the coarse physical vacuum domain (R-space) given a material coupler-modulated Fourier transform of the D-space component. Thus, if these two material domains **can** energetically interact with each other, **then**, the total material property will be the mathematical vector sum of the electric domain part and the coarse physical reality vacuum domain part where **the latter** magnitude is determined by the specific intention. This is how the four target experimental results were thought to have been created;
- Some theoretical results^(6,7,8) suggest that coarse physical vacuum domain substances all travel at velocities faster than that of EM-light in vacuum, c , so that a coupler substance, from a higher domain than D-space, and which can travel both faster and slower than $v=c$, needs to be available to allow both D-space substances and R-space substances to interact with each other. This is a necessary requirement for such alchemy to occur.

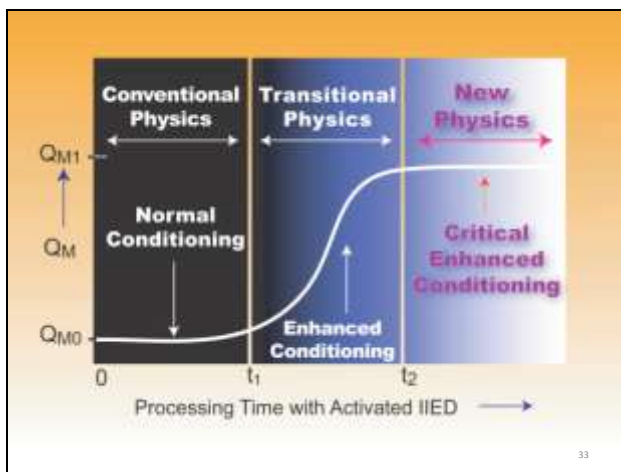
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As the last two items for this section illustrates, the general time-dependent behavior for any imprinted IHD target experiment property magnitude, Q_M , with times t_1 , about 1 month to t_2 about 2 to 3 months is illustrated in this slide. The direction of change for Q_M is **always** in the direction of the applied intention imbedded in the IHD.

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$$Q_M(t) = Q_e + \alpha_{\text{eff}}(t) Q_m$$

Q_M = Magnitude of any material property measurement

Q_e = Magnitude for our normal, electric atom/molecule level

Q_m = Magnitude for the magnetic, vacuum level

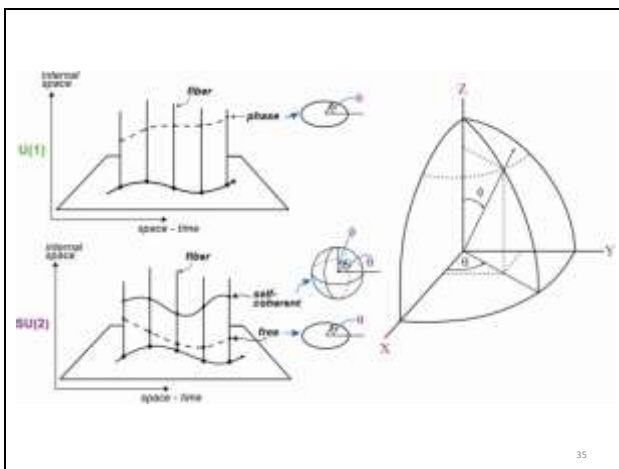
α_{eff} = Magnitude of coupling coefficient created via an intention-host device ($0 \leq \alpha_{\text{eff}} \leq 1$)

t = Time

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Representing the **zeroth order approximation** mathematical expectation for Q_M . This is a visual illustration of the “conditioned” space material.

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References:

1. W.A. Tiller, (2007) Psychoenergetic Science: A Second Copernican-Scale Revolution, (Pavior Press, Walnut Creek CA), p 72, Fig 4.3.
2. W.A. Tiller, W.E. Dibble, Jr. & J.G. Fandel, (2005) Some Science Adventures with Real Magic, (Pavior Press, Walnut Creek, CA), pp 89-92.
3. W.A. Tiller, (2007) Psychoenergetic Science: A Second Copernican-Scale Revolution, (Pavior Press, Walnut Creek CA), pp 73-82.
4. W.A. Tiller, W.E. Dibble, Jr. & M. Kohane, (2001) Conscious Acts of Creation: The Emergence of a New Physics, (Pavior Press, Walnut Creek, CA) Chapter 6.
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8. W.A. Tiller, www.tiller.org, White Paper V (free to download), "Why Has Orthodox Physics Neglected the Superluminal Velocities of de Broglie Pilot Wave Components?"".

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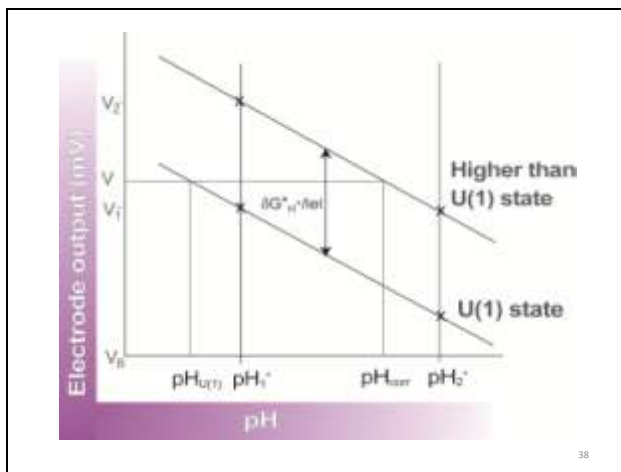


What is Information Medicine?

Let us begin with what I call the “silver colloid metaphor”⁽¹⁾: Take a glass of water, stir some bacteria into it and then sprinkle some silver colloid particles into it. Under suitable conditions, we all know that the silver particles kill the bacteria. The orthodox scientific community inferred from this that it meant physical contact between the particles and the bacteria was the necessary process leading to the demise of the bacteria. This led to pharmaceutical development and **chemical medicine**. What most people do not know is that, stir some water with bacteria in it and (a) bring a fluorescent tube with silver electrodes in it close to the glass of water, (b) plug the tube into a voltage source to ignite an electrical discharge and (c) focus some of the light from the electrical discharge into the glass of water plus bacteria. This will kill the bacteria. Thus, it is not physical contact that kills the bacteria but rather one or more different photons from the silver emission spectrum that is the killing agent. This leads to **energy medicine**.

The third type of medicine offered by psychoenergetic science is to use an IHD which has been imprinted with a specific intention to kill the bacteria present in the glass of water. This leads to **information medicine!**

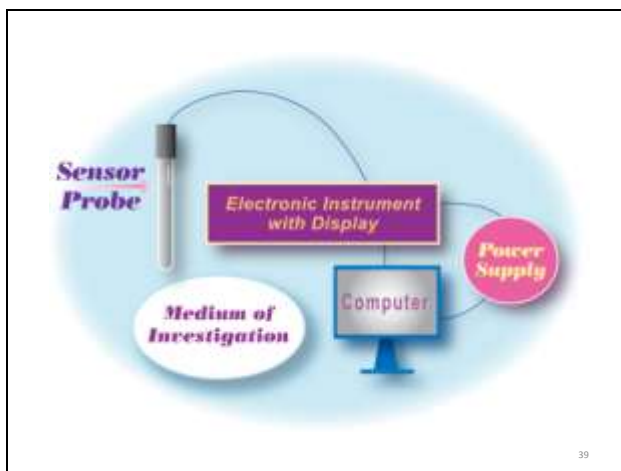
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Converting a pH-electrode System to a Subtle Energy Detector System

Raising or lowering the pH of purified water via an imprinted IHD actually leads to the development of a subtle energy detector that can yield a **quantitative** measure of the excess thermodynamic free energy, $\Delta G_{H^+}^*$, for the aqueous H^+ -ion. If the active IHD raises or lowers the measured pH by 1.0 pH units, at room temperature, this is actually an internal energy change for the H^+ -ion of $\Delta E = 23.6$ millielectron volts. For the U(1) gauge state ($pH = -\log_{10}(a_{H^+})$). This slide illustrates a theoretical calculation for electrode voltage, V , versus pH for both the U(1) gauge state and a state $\Delta G_{H^+}^*$ above the U(1) state⁽²⁾.

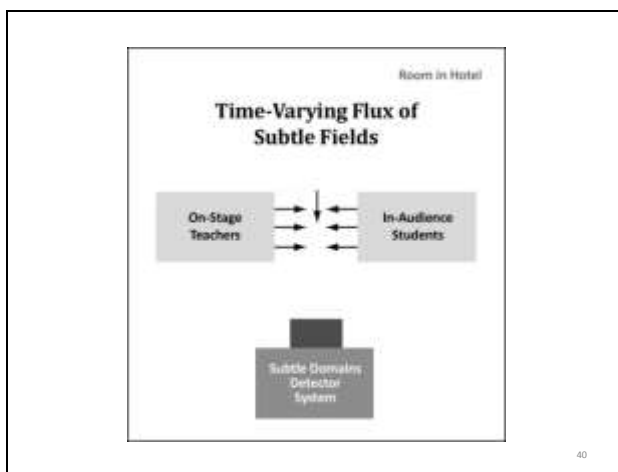
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This slide illustrates the physical measurement system in the subtle energy detector mode.

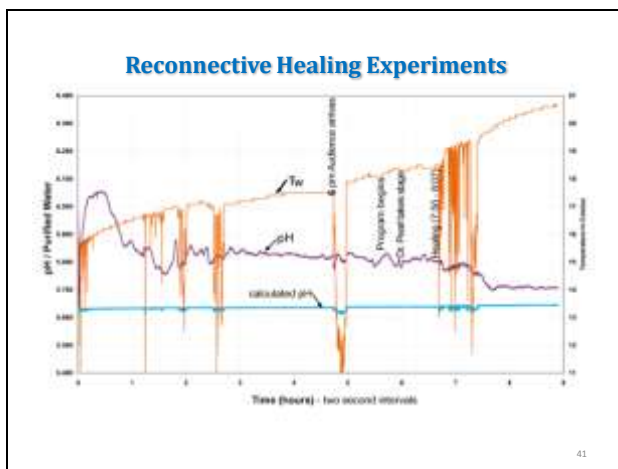
This detector system has been set up and utilized in a number of Reconnection healing workshops to measure the subtle energy changes associated with that process.

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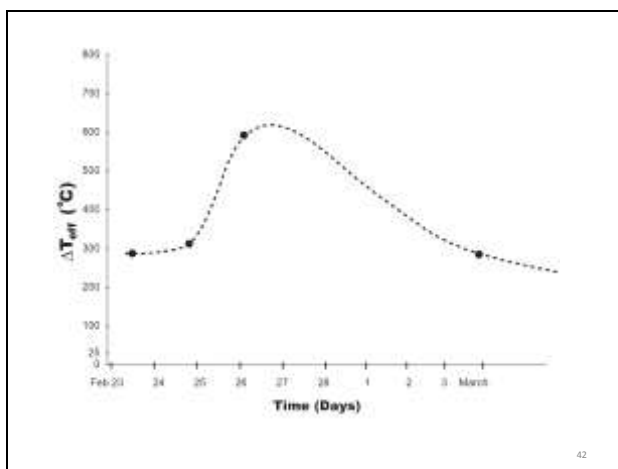
The general methodology is illustrated here.

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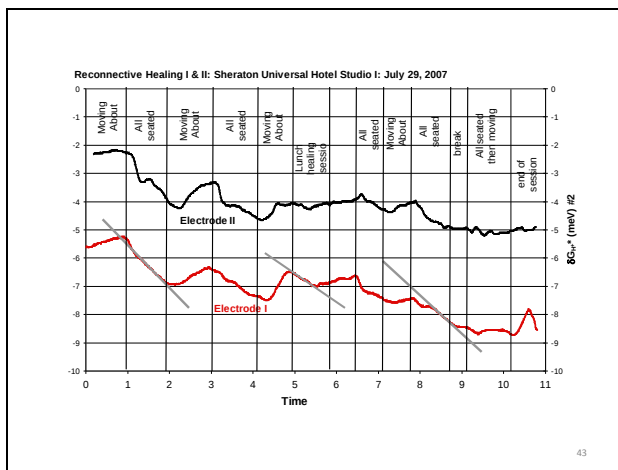
An experimental result for one of the Reconnection healing workshop experiments

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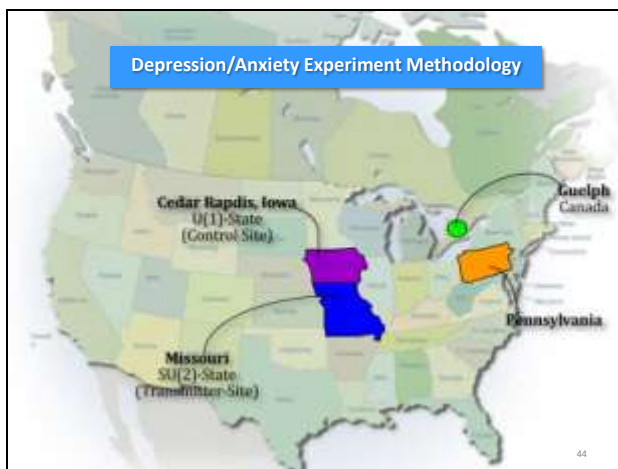
Another experimental result for one of the Reconnection healing workshop experiments. ΔT_{eff} is the temperature to which one would have to heat a room to achieve this same physical effect.

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An experimental result for one of the Reconnection healing workshop experiments which indicate that the thermodynamic change is associated with $\Delta T_{\text{eff}} = -\Delta S$ not an internal energy, ΔE , change.

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Experimental Examples

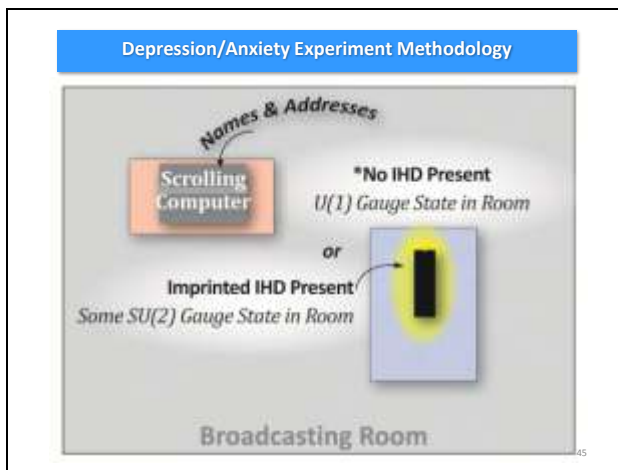
In the zeroth order approximation to the complete duplex space analysis, we use the equation

$$\underline{Q}_M(t) = \underline{Q}_e + \alpha_{\text{eff}}(t) \underline{Q}_m(t) \quad (1)$$

As a metaphor where Q_e can be called the existing condition and we want Q_M to be the healed condition. Thus, we must design the intention statement so that Q_m becomes the change factor needed to yield the desired Q_M .

In 2005 a Th.D. graduate student at Holos University asked to use our IHD technology for her thesis experiments. She wanted to know if she could beneficially influence patients suffering with depression and anxiety from a substantial distance (~1000 + miles). (See White Paper #XVI)

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I designed an imprint statement for the experiments and these slides indicate the methodology, hypothesis and the very significant results⁽³⁾. See following slides

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Hypotheses

Hypothesis	Null Hypothesis
The intention will have a significant effect on anxiety and depression when broadcast in a conditioned space (Pilot Project, Groups A and B).	The intention will have a significant effect on anxiety and depression when scrolled on a computer screen in unconditioned space without an IHD (Groups A and B only).

2005 'depression and anxiety' experiment hypothesis.

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Variables

Independent Variable	Dependent Variable
The independent variable for this study was the intention broadcast by an Intention Imprinted Electronic Device (IIED). Group A participants were randomly assigned to either the intervention group or the control group. Group B received the intention with no control group.	The dependent variables of the study were the state and trait anxiety scores on the State-Trait Anxiety Inventory for adults and the scores on the Zung Self-Rating Depression Scale. Baseline and post-intervention scores were collected for each group.

2005 'depression and anxiety' experiment variables.

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Subjects Invited Versus Participated by Practice Type			
Practice Type	Number Invited	Number	Percent
		Participated	Participation
CAM Allergy Practice	700	147	21%
Chiropractic Practice	520	55	11%
Counseling Practice	300	41	14%
Medical Intuition Class	56	43	77%

2005 'depression and anxiety' experiment.

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Significant Results for all Groups				
	Between Groups	Tests within Subjects Pre to Post-test		
	STAI Y-1	STAI Y-1	STAI Y-2	Zung
Group A	.089	.001	.000	.009
Group B	NA	.001	.000	.003
8 Month Intervention	NA	.003	.000	.001
11 month Intervention	NA	.003	.000	.001

2005 'depression and anxiety' experiment significant results.

Leaking Heart Valve

In about 2007, an M.D. friend with a serious leaking heart valve due to some calcification in his heart valve so that it wouldn't close properly, contacted me. He also suffered from depression. I designed an imprint statement to beneficially alter these two conditions. We imprinted an IHD, placed it under his bed, reimprinted it on a 3 month cycle and by the end of the year, both complaints seemed to have disappeared.

Edema

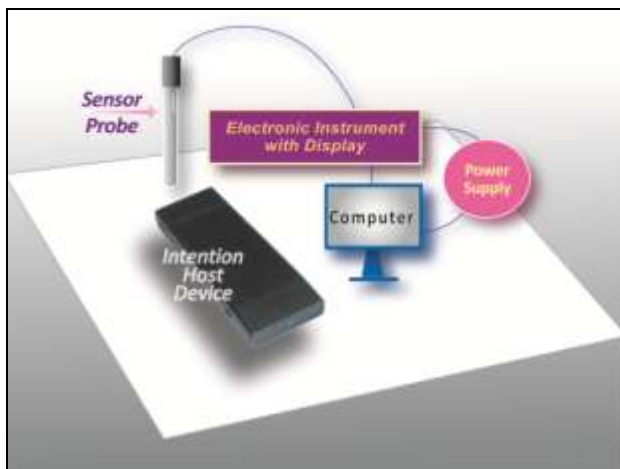
In about 2009, a young woman contacted me with very severe spinal curvature and longstanding, severe edema which orthodox medicine could not help her with. I decided to try and help her, via the specifically imprinted IHD under the bed technique, and was advised that clearing up the edema issue was the first priority. That became the first imprinted IHD target (and reimprinted three times at three month intervals). Significant loss of body mass and body circumference has occurred during the August to November, 2011 time frame. (24 pounds)

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Very recently (2010) we have learned how to successfully R-space **broadcast** a specific intention from our Payson laboratory site to a specific room in a specific building on a particular corner of Berlin, Germany, to raise the pH of a water vessel there by +1.5 pH units.

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(Experimental setup with IHD, for long-range broadcasting intention to Berlin Germany) .

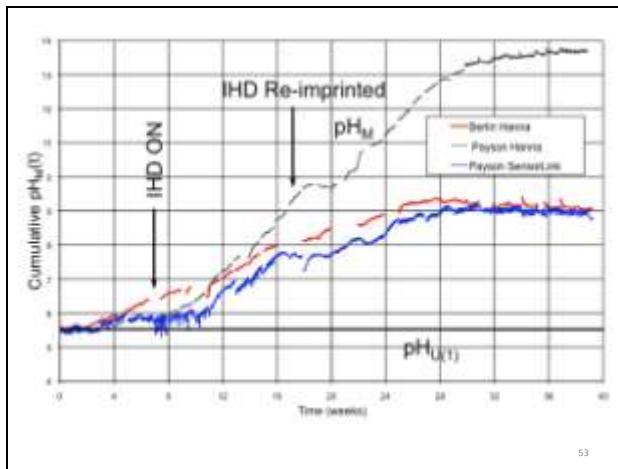
This **greatly** expands our medical outreach and industrial applications.

My colleague, Dr. Nisha Manek, M.D. and I are beginning to explore deeper understandings and applications of information medicine (especially to human fibromyalgia).

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Dr. Tiller's White Papers (free to download, www.tiller.org)

#1 - A Brief Introduction to Intention-Host Device Research

#2 - Steps for Moving Psychoenergetics Science Research Into the Hands of Interested General Public Researchers

#3 - Why CAM and Orthodox Medicine Have Some Very Different Science Foundations

#4 - It Is Time for a Consciousness-Inclusive Science

#5 - Why Has Orthodox Physics Neglected the Superluminal Velocities of de Broglie Pilot Wave Components?

- #6 - What does the Dirac Negative Energy Sea Mean and Why Has Today's Orthodox Physics Neglected it?
- #7 - Why We Need to Create a New Reference Frame (RF) For Viewing Nature and How Do We Do It?
- #8 - What Is Information Entanglement and Why Is It So Important to Psychoenergetic Science?
- #9 - Towards Understanding the Internal Symmetries of Nature: Gauge Symmetry States
- #10 - A Theoretical Interpretation of Non-Local, Spatial, Room Temperature, Macroscopic Size Information Entanglement
- #11 - An Experimental Investigation of Some Reconnective-Healing Workshops via a Unique Subtle Energy Detector
- #12 - Traditional Science Tiller Publication List
- #13 - William A Tiller Biomedical/Psychoenergetics/Philosophy Publication List
- #14 - The Talisman Transfer Tokens – Project
- #15 - Preventative Medicine/Self Healing via One's Personal Biofield Pumping and Balancing
- #16 - The Effect of Intention on Decreasing Human Anxiety and Depression via Broadcasting from an Intention-Host Device-Conditioned Experimental Space
- #17 - On the Importance of a Coherent Radiation Delivery System for Homeopathic Remedies
- #18 - Tiller Affirmations and Current Meditation
- #19 - Towards Understanding the Internal Symmetries of Nature: Gauge Symmetry States
- #20 - Application of Psychoenergetic Science to "The Placebo Effect"
- #21 - Psychoenergetic Science Applied to The Mind-Body Concept
- #22 - Psychoenergetic Science Applied to Information Medicine
- #23 - Some Electric/Magnetic Aspects of Space Conditioning Via the Use of an Intention-Host Device