

An Extended Bio of William A Tiller and His Psychoenergetics Research

- **Born:**

Toronto Canada, September 18, 1929

- **Education:**

B.A.Sc., Engineering Physics, University of Toronto, 1952

M.A.Sc., Physical Metallurgy, University of Toronto, 1953

Ph.D., Physical Metallurgy, University of Toronto, 1955

- **Employment:**

(1955-1964) Westinghouse Research Laboratories, Pittsburgh PA; Research Scientist, Advisory Physicist; conducting basic and applied research in the area of crystallization science, from 100 ton steel ingots to dislocation-free silicon crystals to chemical crystallizers to water purification systems via the freezing process. Developed a group of ~10 scientists working in this area and was principal investigator (P.I.) on D.O.D. contracts that supported ~50% of this research activity for several years. Published ~60 scientific papers and ~6 patents during this time period.

- (1964-2000) Stanford University, Stanford, California; Professor, Department of Materials Science, Chairman of that department (1966-1971) and Professor Emeritus 1992 to present. Taught graduate level classes in the areas of thermodynamics, kinetics, phase transformations and semiconductor processing. Supervised ~50 Ph.D. theses during this time period and was either P.I. or co P.I. on ~\$10M of D.O.D. and NASA contracts. Served on many professional and government committees and was consultant to many industrial corporations. Published an additional ~200 scientific papers and 3 books during this time period.

In parallel with the foregoing, Professor Tiller began personal investigations of human consciousness, inner enlightenment and meditation processes beginning in 1965. While on a Guggenheim Fellowship and sabbatical to Oxford University with his family in 1970-71, he reached the conclusion that it was extremely important for humanity and future science that some competent U.S. investigator make a long-term, serious commitment to both experimentally and theoretically investigate psychoenergetic phenomena, an area that was a total anathema to current and past science which works under the implicit assumption that no human qualities of consciousness and intention can significantly influence scientific experiments into physical reality. By this time, Professor Tiller realized that the fragmentary experimental data from psychoenergetic studies conducted at various locations in the world over the past two centuries overwhelmingly showed this implicit assumption to be very wrong.

In 1971, on returning to the U.S., Professor Tiller gave up the chairmanship of his Stanford department, as well as most of his committee work, in order to gather a block of time wherein he could avocationally and visibly pursue serious psychoenergetic research studies in parallel with his conventional

science research at Stanford. His ultimate goal was to build a robust and reliable bridge of understanding that would, on the one end, seamlessly join with conventional scientific understanding while projecting through the various subtle domains of reality all the way to spirit at the other end. He was substantially supported in this by his wife, Jean, but, substantially opposed by most of his Stanford Colleagues.

In the 1970's, he lectured widely on the topic of psychoenergetics as well as on conventional materials science. He was a founding director of the Academy of Parapsychology and Medicine as well as the Institute of Noetic Science and began to write scientific papers in psychoenergetics. In 1992, he gave up his academic teaching and became Professor Emeritus, continued his conventional science theses programs and began to write a book on his psychoenergetic studies entitled "Science and Human Transformation: Subtle Energies, Intentionality and Consciousness". By the mid-90's, he had published ~70 scientific papers in the psychoenergetics area. Today, over 30 White Papers are free to read and download from his website <https://www.tillerfoundation.org/>, and three more psychoenergetic books are available for purchase: "Conscious Acts of Creation: The Emergence of a New Physics", "Some Science Adventures with Real Magic" and "Psychoenergetic Science: A Second Copernican-Scale Revolution" <https://www.tillerfoundation.org/store>.

- **(1996-2000 and present):**

Research funds for the psychoenergetics area had always been difficult to come by. However, in 1996, a wealthy Minnesota man invited him to submit a 3-year research proposal in this general area. The research focused on the use of intention host devices (IHDs) to significantly influence specific target experiments with inorganic and organic materials and, for the latter, both *in vitro* and *in vivo*. Four target experiments were selected:

1. To increase the pH of purified water in equilibrium with air by one full pH unit and with no chemical additions.
2. To decrease the pH of this purified water in equilibrium with air by one full pH unit and with no chemical additions.
3. To increase the *in vitro* thermodynamic activity of a specific liver enzyme, alkaline phosphatase (ALP), by a significant amount with high statistical reliability.
4. To increase the *in vivo* ATP/ADP ratio in the cells of fruit fly larvae by a significant amount so that they would be more fit and therefore have a significantly reduced larval development time to the adult fly stage (all with high statistical reliability).

The experimental approach was to set up the functioning target experiments in different laboratory spaces and introduce either an IHD or a physically identical control device (unimprinted) and just turn the device on (total electromagnetic power output of less than 1 microwatt) for some period of time. All four of the above experiments were robustly successful.

To convert a control device to an IHD, four highly inner self-managed, long-time meditators sat around a table upon which an unimprinted device was placed and turned on. Then they went into a deep

meditative state and, after mentally cleansing the local space, mentally held the specific intention for that particular device in mind for ~15 minutes before totally releasing it. Finally, they mentally sealed the device against all kinds of extraneous leakage of the imprint signal, returned to their normal state of consciousness and, after wrapping the device in aluminum foil, placed it in its own electrically grounded Faraday cage for storage purposes until use with its particular target experiment.

One of the unexpected outcomes of this research was that, after running an IHD in a given space for ~3 months, the space developed a type of “conditioning” with a characteristic signature involving the presence of large temporal oscillations in pH, electrical conductivity, water temperature and air temperature with all these profiles exhibiting the same Fourier spectra (except for phase). To try and understand this “conditioning”, a heretical pH experiment was conducted. A disk-shaped, DC magnet was placed under the cylindrical pH vessel with one pole pointing upwards for several days of continuous pH measurement. Then the magnet was turned over so that the opposite pole faced upwards for several days. Thus, one could measure $\Delta\text{pH} = \text{pH}(\text{S-pole}) - \text{pH}(\text{N-pole})$. This was a heretical experiment because, in our conventional reality, the magnetic force is proportional to the gradient of the square of the magnetic field, H^2 , so the sign of the field shouldn’t matter and $\Delta\text{pH} = 0$ is expected. However, in one “conditioned” space, $\Delta\text{pH} \sim +1.5$ pH units was observed and $\Delta\text{pH} \sim -0.5$ pH units was observed in another (measurement accuracy $\sim \pm 0.01$ pH unit). Clearly, a “conditioned” space violated conventional physics and changed the properties of materials (see Appendix II). From a theoretical perspective, the only way one could expect $\Delta\text{pH} \neq 0$ to occur is if a “conditioned” space accessed a level of nature wherein magnetic monopoles exist and function. In exotic physics theories, connected with supersymmetry models and higher electromagnetic (EM) Gauge symmetry states, there exists the SU(2) EM Gauge symmetry state wherein both electric and magnetic monopoles coexist and function. Thus, through the use of IHDs, it appears that one can raise the EM Gauge symmetry level of nature and thus the thermodynamic free energy state of the local space so that different material properties are manifest. Tiller and his colleagues now have an experimental procedure for quantitatively measuring the degree of elevation of this thermodynamic free energy level above the U(1) level for a particular space. They have also found that, in all humans, their acupuncture/meridian system is at the higher EM Gauge SU(2) level. This is why bioelectromagnetism is very different than conventional electromagnetism. A patent application is currently in the hands of attorneys and will be applied for in 2003. As of 2002, the psychoenergetics publication list had grown to ~100 and it is given as Appendix III.

The areas of application for this IHD technology abound. A partial list is given below.

- General Statement: From our ~20 years of experimental and theoretical research on IHDs, our working hypothesis is that their use, in the space of any technology present on the earth today, can raise the EM gauge symmetry of that space so that an additional thermodynamic potential exists to increase the operational efficiency of that technology in the direction of the specific intention statement for that particular IHD. Further, because raising the EM gauge symmetry state appears to involve disorder/order transformations in the vacuum, totally new technologies may be created via application of suitable IHDs.
- Some Areas of Application for Specifically Conditioned Spaces:

- A. Water Treatment: (1) for sewage and waste disposal, (2) for scale reduction in boilers, (3) for agriculture (reduction in pesticide and fertilizer use), (4) for human consumption (to balance internal needs such as digestion, oxygen levels, etc., via activation of specific enzymes), (5) for medical use in hospitals (intravenous infusions, nurseries, antiseptic cleansing, etc.).
- B. Chemical and Pharmaceutical Industries: for shifting the yields of specific chemicals in different process reactions (isomer ratios, enantiomer ratios. etc.).
- C. Hospitals, Clinics, Practitioners: potentially healing human physical bodies, minds, emotions.
- D. Fuel Efficiency Enhancement: for engines, furnaces, electric utilities, lighting, etc., via gasoline, propane, natural gas, etc., use.
- E. Transportation Industry: (1) for automobiles, (2) for ships, (3) for aircraft and (4) for spacecraft (via tapping magnetic current and other special features of the vacuum).
- F. Electrical Industries: (1) for raising the superconducting transition temperatures for materials by ordering their vacuum level, (2) semiconductor fabrication plants (by defect reduction and thus increased yields, etc.), (3) computers (by increased coherence, less noise and thus increased speed with fewer errors, etc.), (4) new energy sources (by tapping the magnetic currents of the vacuum state), (5) electrochemical processing industry (by enhancing the efficiency of the electro-separation, -refining and deposition processes).
- G. Bulk and Film Crystal Growth Industries: via ordering the vacuum state within the crystal.
- H. Professional Offices and Other Institutional spaces: (1) by enhancing brain coherence in humans (education, sports, individual, businesses, factories, military, hospital surgeries, etc.) (2) by enhancing cooperative human action in offices of psychologists, psychiatrists, lawyers, medical practitioners, etc. and (3) replacing anesthetics during medical and dental procedures.

Before any serious application work can begin in this field, it is first necessary to show that at least the purified water findings can be reproduced in other people's laboratories around the U.S. provided that they follow the protocols and they are provided with a space-conditioning IHD. Such a two-year program was initiated in October, 2001 and completed at the end of September, 2003. The program involved four IHD sites, one in Kansas, one in Missouri, and two in Maryland (Baltimore and Bethesda) as well as the master site in Payson, Arizona. The first stage has been completed at the Kansas and Missouri sites with a pH-increasing IHD installed by December, 2001. These two sites have exhibited ΔpH -values $\sim 0.5 - 0.8$ pH units above the conventional theoretical value for a $U(1)$ EM Gauge space and also exhibited the characteristic pH and temperature oscillations typical of a partially "conditioned" space. To date, all five sites are showing quantitative signs of elevated thermodynamic free energy above the $U(1)$ EM Gauge state. However, all the data from this remote site study is not yet in hand and some very curious behavior relative to supposed "control" sites is opening a new doorway towards our understanding of data entanglement between different sites of the same overall system even when $\sim 1000 - 2000$ miles separates such sites. Much more research is needed in order to quantitatively investigate this new phenomenon.

- **2015:** He founded The Tiller Foundation; its mission is to design and conduct meaningful research in the field of Psychoenergetic Science in order to document and demonstrate ability to positively influence physical matter via conscious and focused mental intention to better address and resolve problems and difficulties present in today's world. The Foundation publicizes the knowledge gained to foster the creation of new technologies to provide the foundation for a promising future for all. The ultimate goal is the development and creation of scientific technologies that will enable humankind to experience and enjoy a higher level and quality of life.

Bill Roberts is currently the President of The Tiller Foundation