

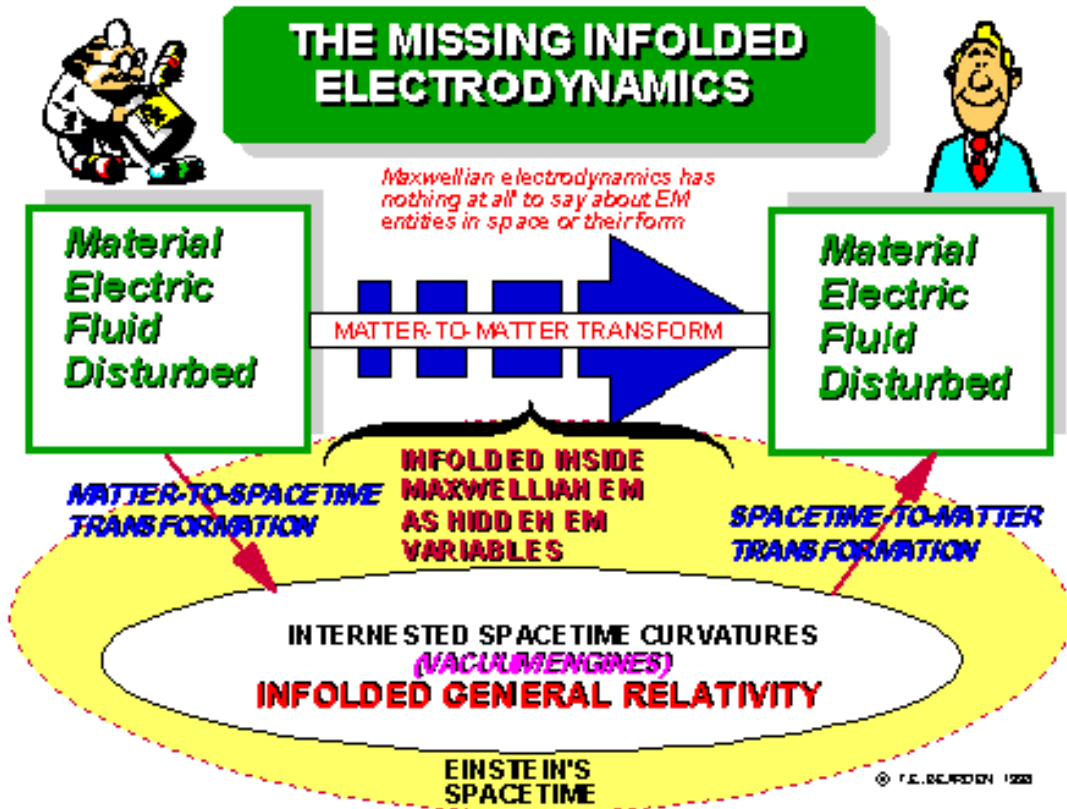
# The Missing Infolded Electrodynamics

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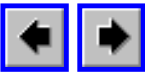
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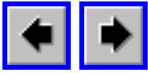


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## *Major Points of Presentation*

- **Electrodynamics is seriously flawed**
  - **Some major flaws**
  - **Corrections indicated**
- **Why past corrective attempts failed**
  - **Force field concept is material**
  - **Missing two infolded transforms (M->ST; ST->M)**
- **Missing Infolded general relativity inside electrodynamics**
- **Several Kinds of EM Waves in Space**
  - **How to make**
  - **Transduction**
- **A French medical example as a deep experimental demonstration**
  - **Spectacular regenerative cures funded by French Govt**
  - **Not comprehended, therefore suppressed**
- **Cold Fusion examples of time-density wave effects**
  - **China Lake instrumental anomalies in electrolysis**
  - **Explanation of anomalous behavior of instruments**
  - **Explanation of new nuclear reactions**
  - **Wave energy transduction provides excess heat**
- **Urge theorists to consider dramatically new reactions**



## ***Major Points of Presentation***

- **Electrodynamic is seriously flawed**
- **Why past corrective attempts failed**
- **Missing Infolded general relativity inside electrodynamics**
- **Several Kinds of EM Waves in Space**
- **French medical example as a deep experimental demonstration**
- **Cold Fusion time-density wave effects**
- **Urge theorists to consider new reactions**

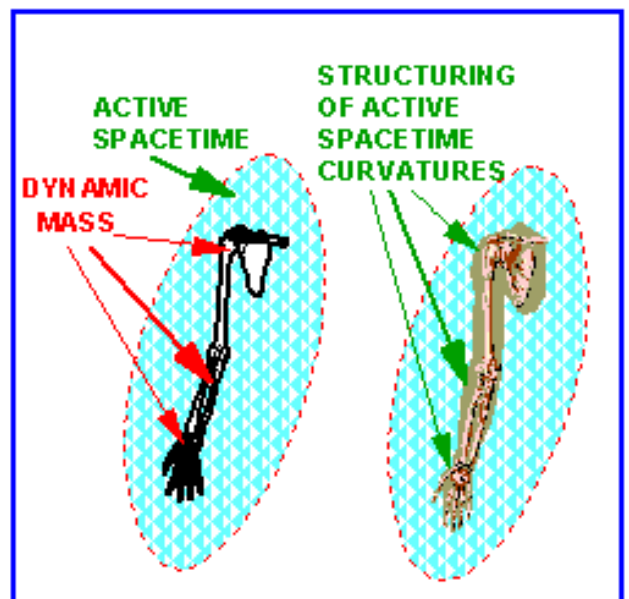
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## ***MTW's General Relativity Principle***

- **"Space acts on matter, telling it how to move.**
- **In turn, matter reacts back on space, telling it how to curve."**



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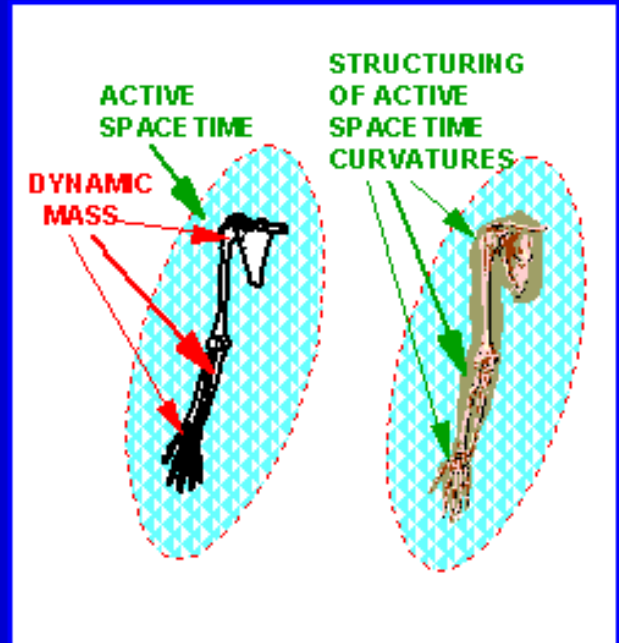
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# Extended General Relativity Principle

- "All levels of energy structures and all levels of time structures mold spacetime geometry.
- This is called a vacuum engine (spacetime engine).
- Spatial and temporal structuring act upon mass at all levels.
- This produces templates of forces, for translations and stresses."

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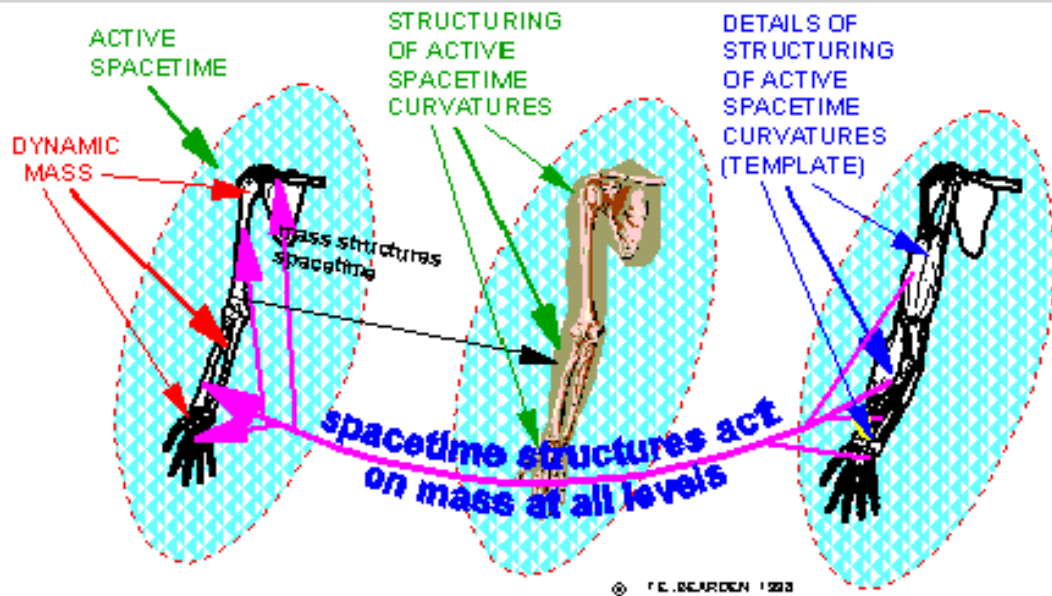
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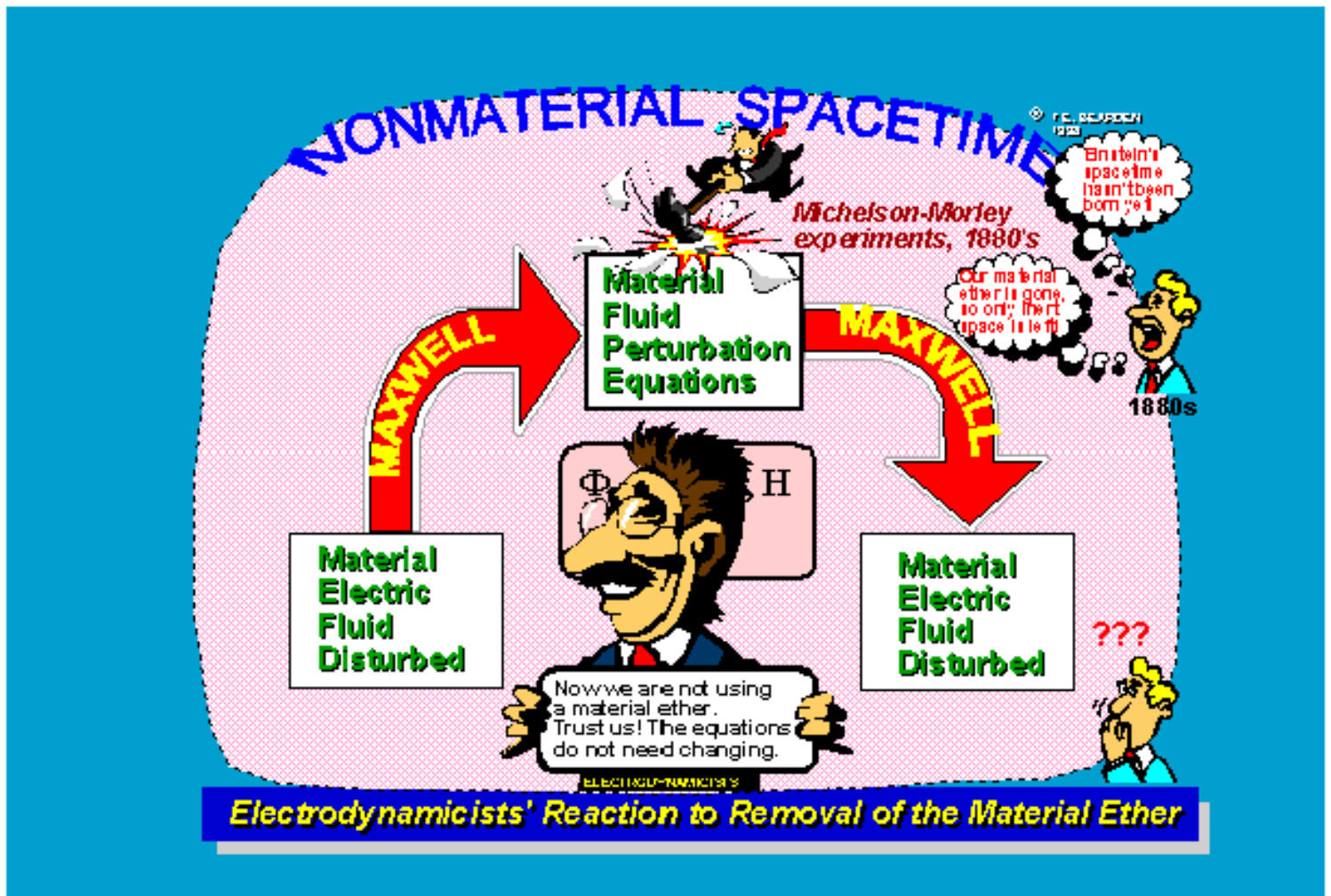


# Active Spacetime and a Specific Vacuum Engine (Spacetime Engine)

(A General Relativistic Concept and Analogy)



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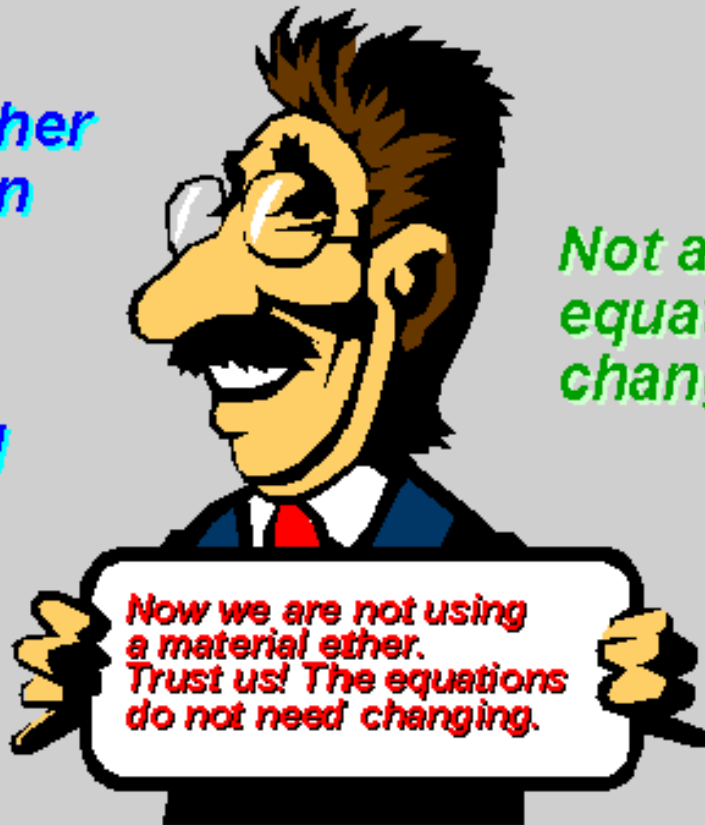
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## REACTION TO LOSS OF MATERIAL ETHER

*Material Ether  
Assumed in  
Equations*

*Potentials,  
Fields, and  
Waves  
Assumed  
Material*



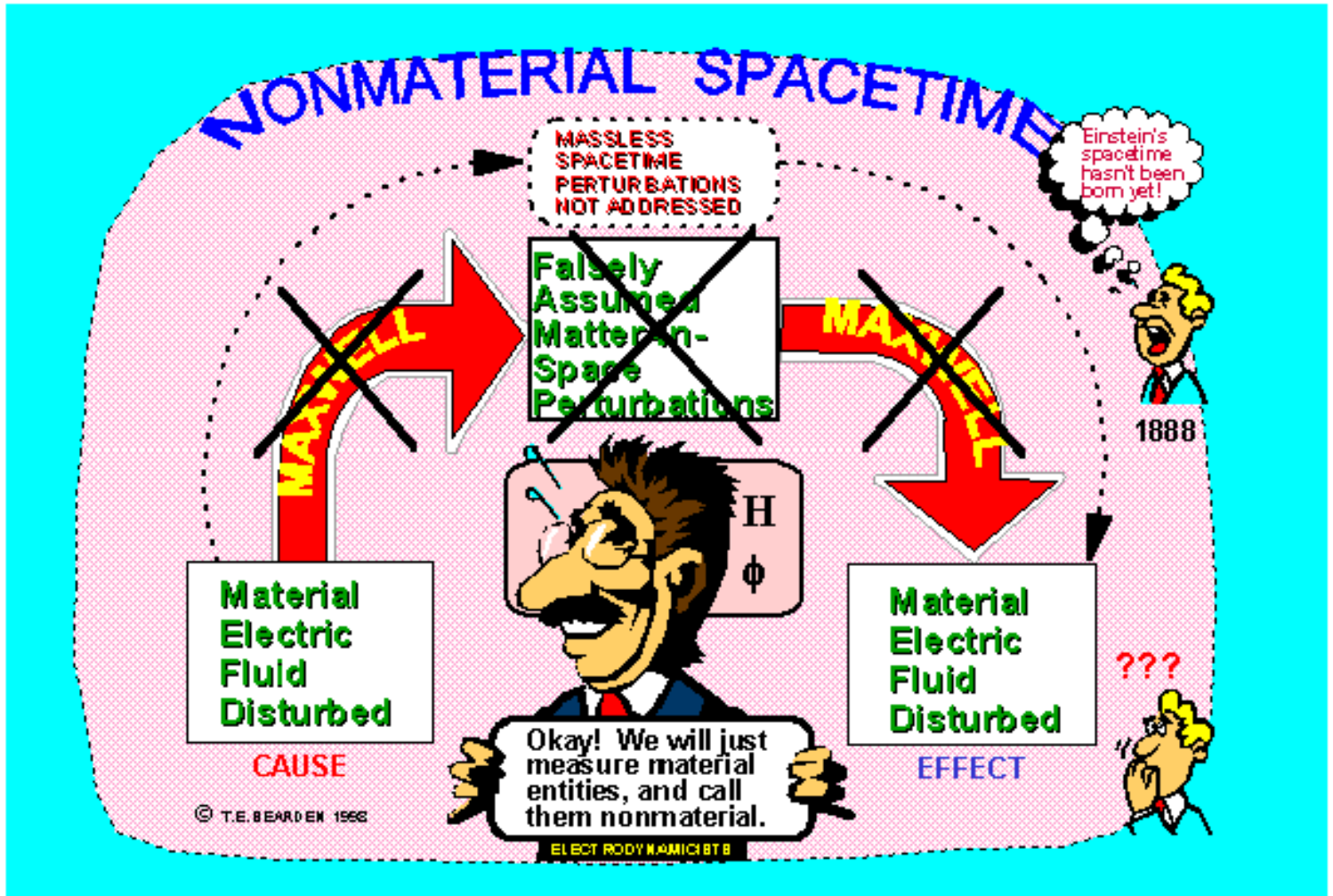
*Not a single  
equation was  
changed!*

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**ELECTRODYNAMICISTS**

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## ***Bunge on the Status of Electrodynamics***

---

***"... it is not usually acknowledged that electro-  
dynamics, both classical and quantal, are in a  
sad state..."***

***"... the best modern physicist is the one who  
acknowledges that neither classical nor  
quantum physics are cut and dried, both being  
full of holes and in need of a vigorous  
overhauling..."***

© 1998 F. E. BEARDEN

\*Mario Bunge, Foundations of Physics, Springer-Verlag,  
New York, NY, 1967, p. 176..

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## **Bunge on the Status of Electrodynamics and Physics**

---

***"... it is not usually acknowledged that electro-  
dynamics, both classical and quantal, are in a  
sad state..."***

***"... neither classical nor quantum physics are  
cut and dried, both being full of holes and in  
need of a vigorous overhauling..."***

© 1988 F. E. BEARDEN

\*Mario Bunge, Foundations of Physics, Springer-Verlag,  
New York, NY, 1967, p. 176..

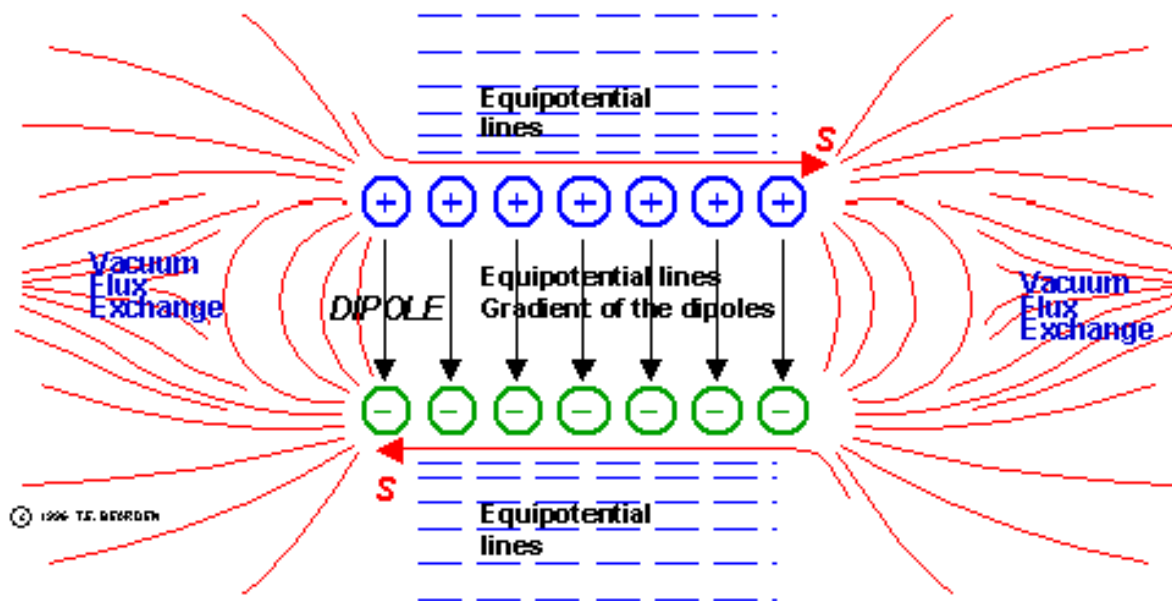
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## Poynting energy flow $S$ along two parallel conductors

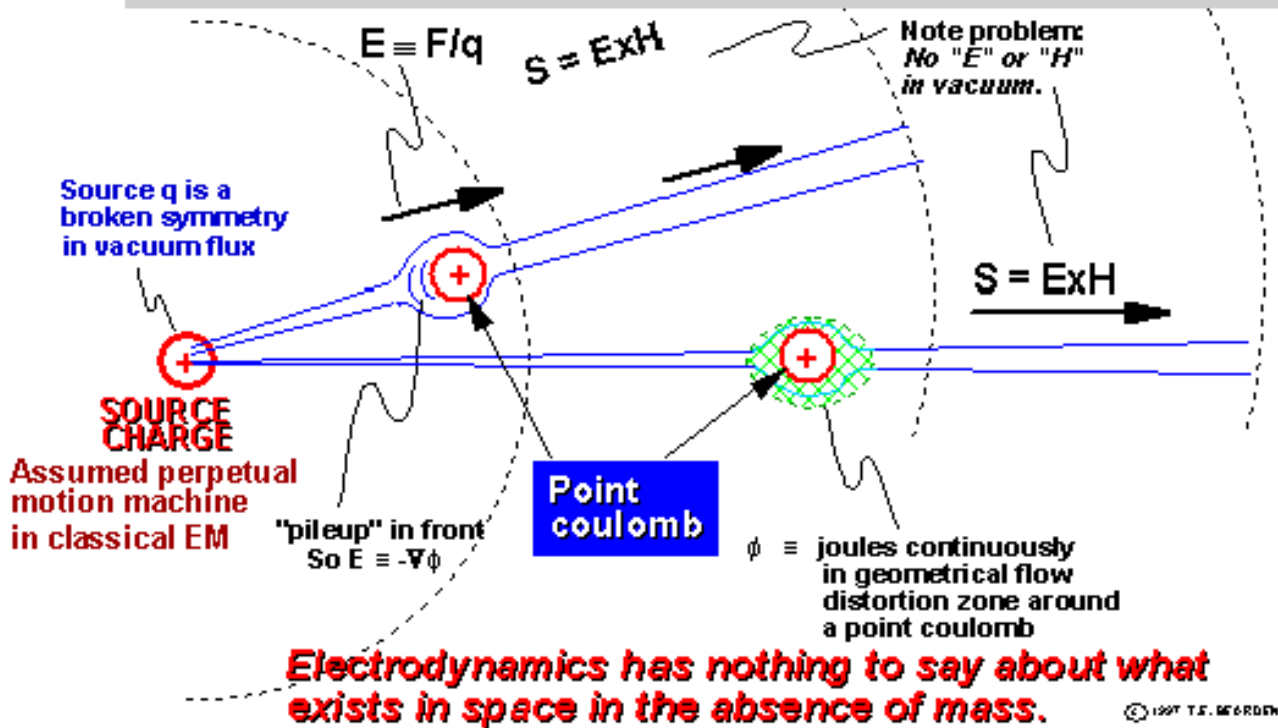
Surface charges in conductors form a distributed dipole



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**As defined, fields and potentials only exist in and on charged matter**

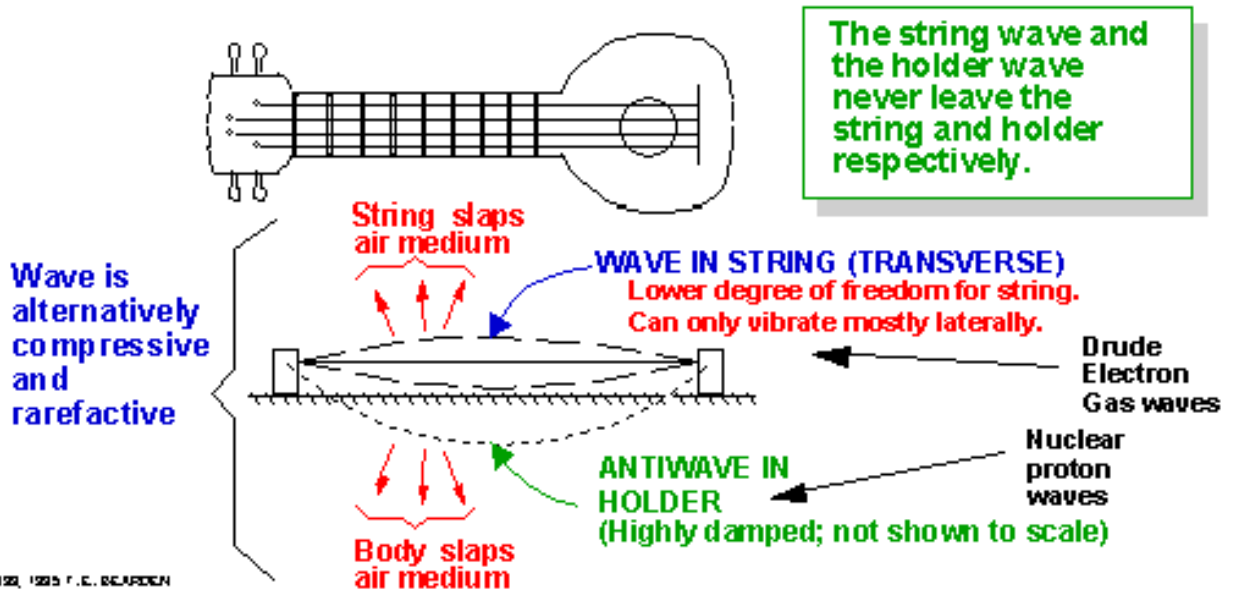


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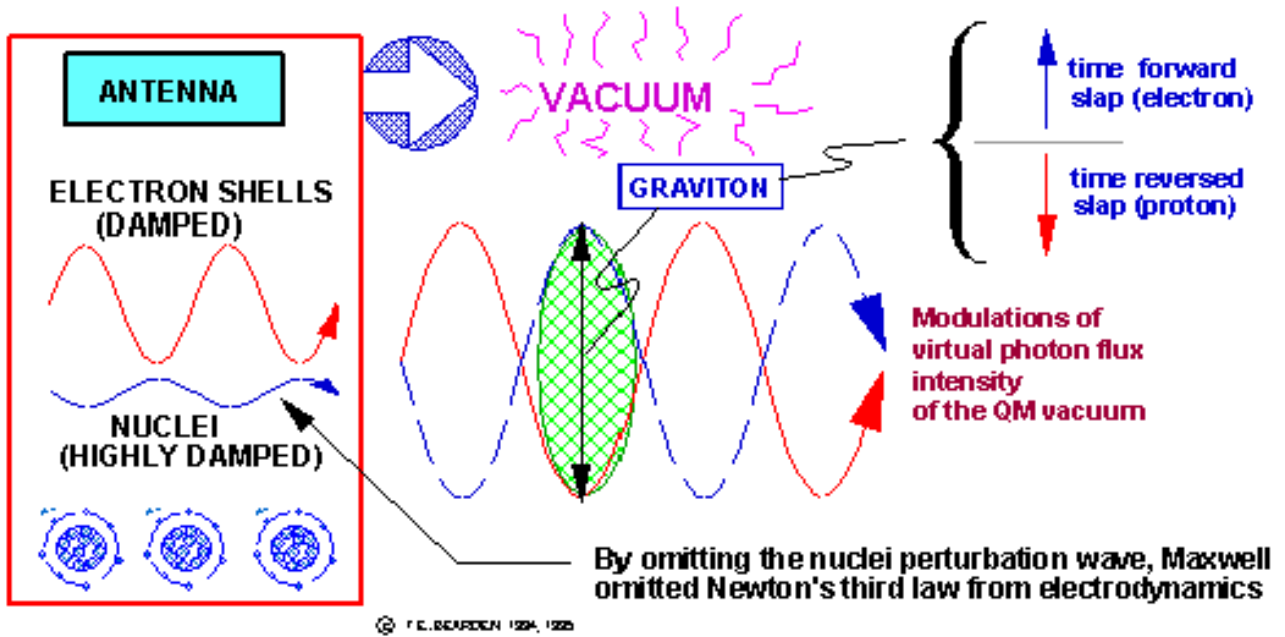
# Air Medium Disturbances Generated When Air is Perturbed by a Plucked Taut String



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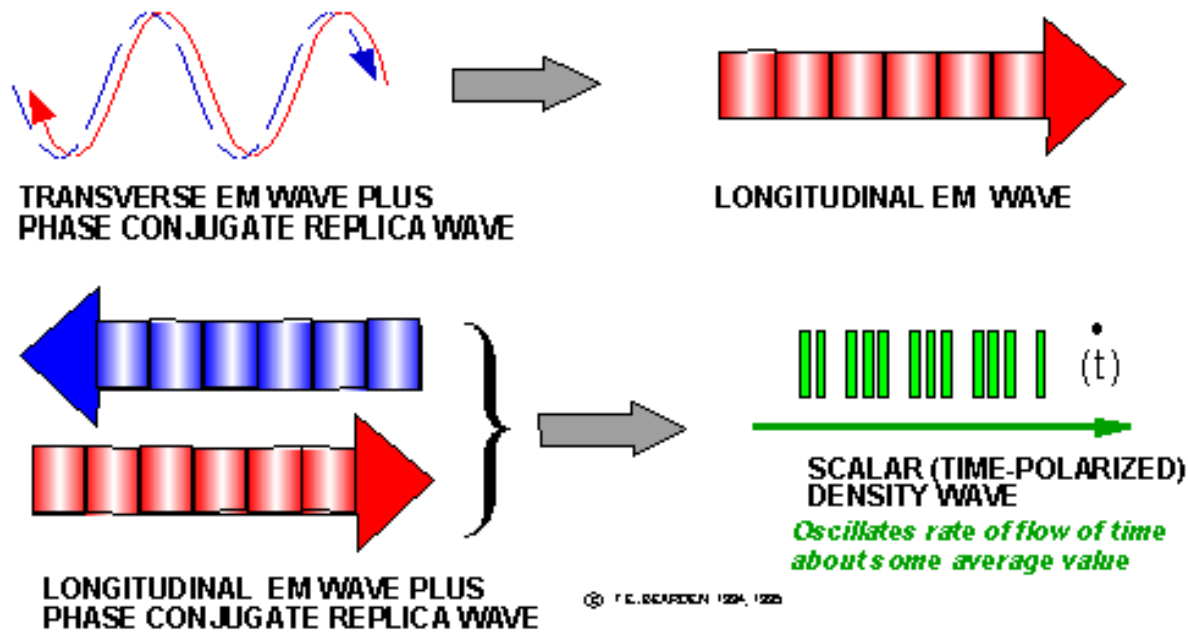
# Launching a Spacetime Perturbation ("EM Wave") from a Wire Antenna



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# Phase Conjugate Wavepairs Produce New Waves

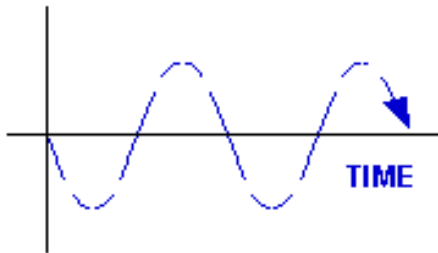


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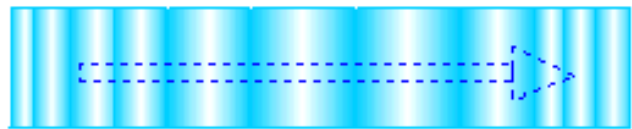
## Time-Polarized (Scalar) EM Wave

Rate of flow  
of local time

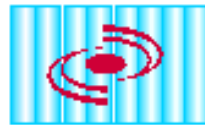


Amplitude vs.  
observer time

© T.E. BARDEN 1988



Time-density wave: Time flow rate  
dilates and compresses rhythmically



Particle with  
dense time-charge



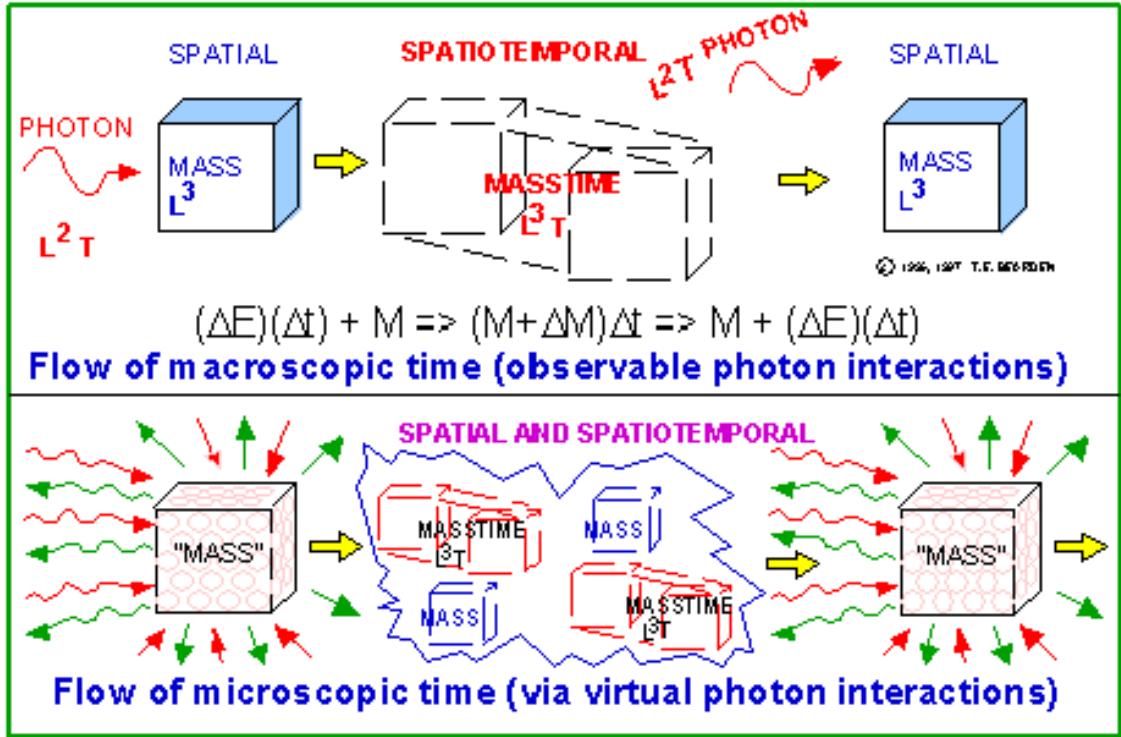
Particle with  
thin time-charge

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# Mechanism for the Flow of Time

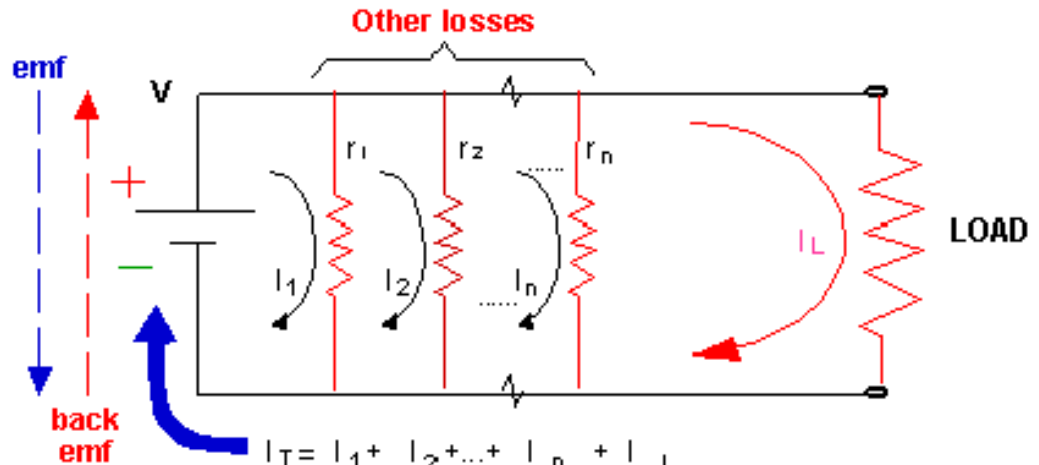


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# WHY PRESENT SYSTEMS HAVE COP < 1.0

Dissipative power inside source =  $V I_T$  and  $V I_T > F I_L$



$$I_T = i_1 + i_2 + \dots + i_n + I_L$$

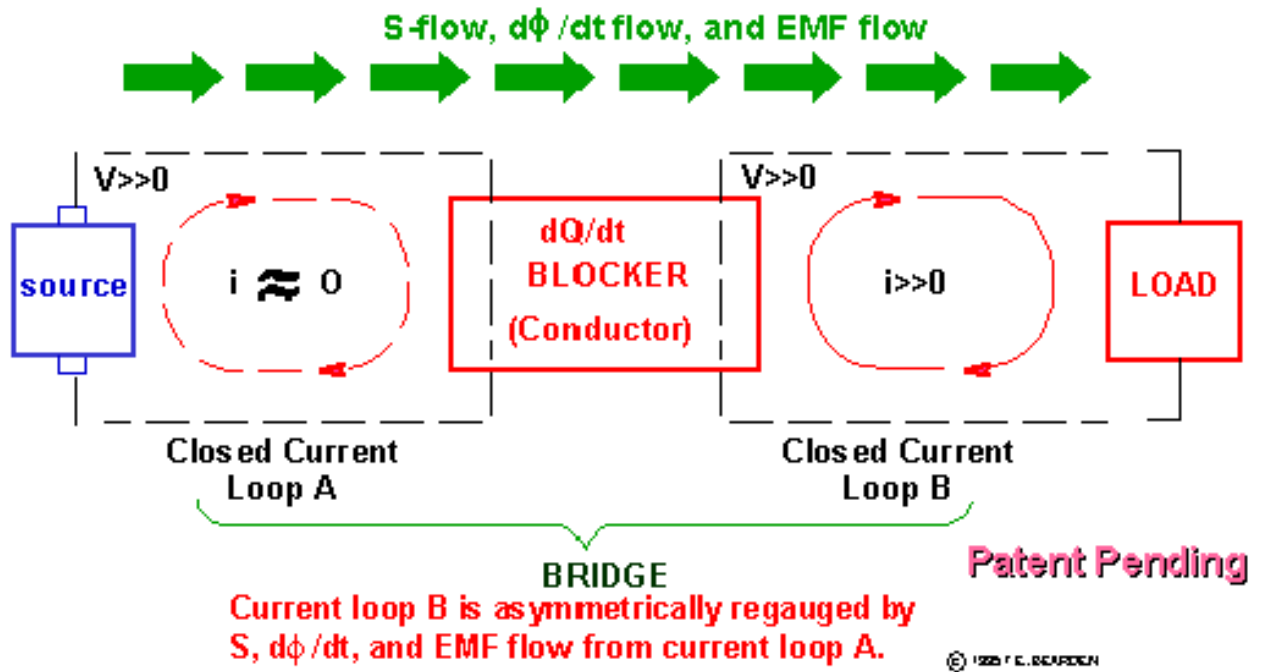
$$Eff = \frac{P_L}{P_T} = \frac{V \times I_L}{V \times I_T} = \frac{I_L}{I_T}$$

$$I_T > I_L \quad ; \quad \text{so Eff} < 1.0 \quad \text{© 1991, 1995 T.F. MCGRATH}$$

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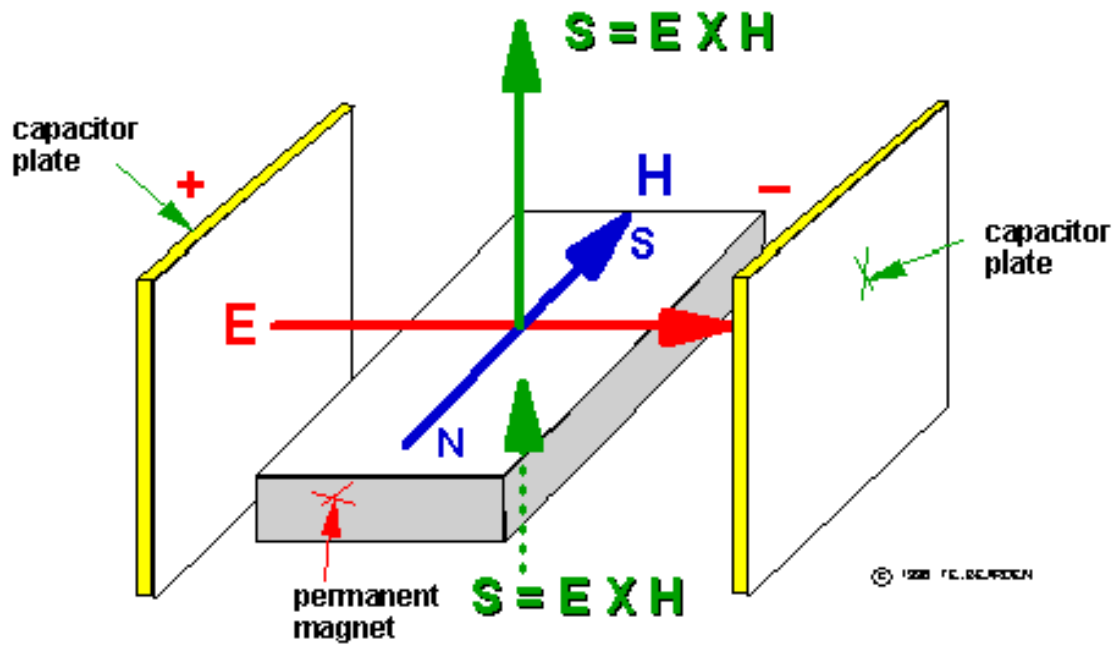


# BRIDGING ENABLES COP > 1.0





## "Static" Poynting free-energy generator



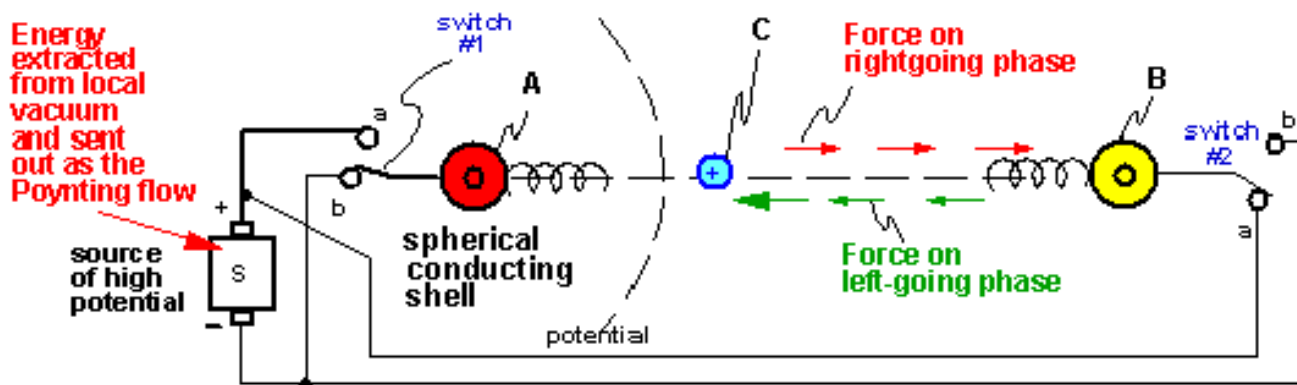
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# Demonstration of an Overunity Concept (By Asymmetrical Self-Regauging)

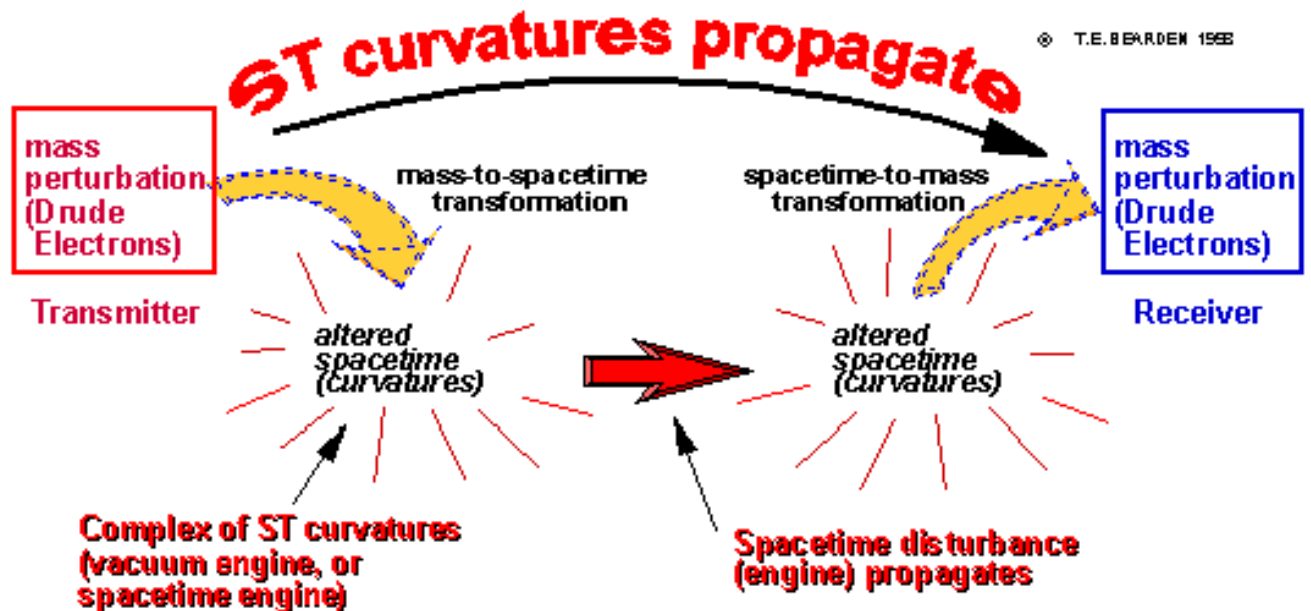
Patent Pending



**Assumptions:** Capacitances of A and B very small;  
Charge B large, power-free switching

© T.F. MEYER 1991, 1994, 1996

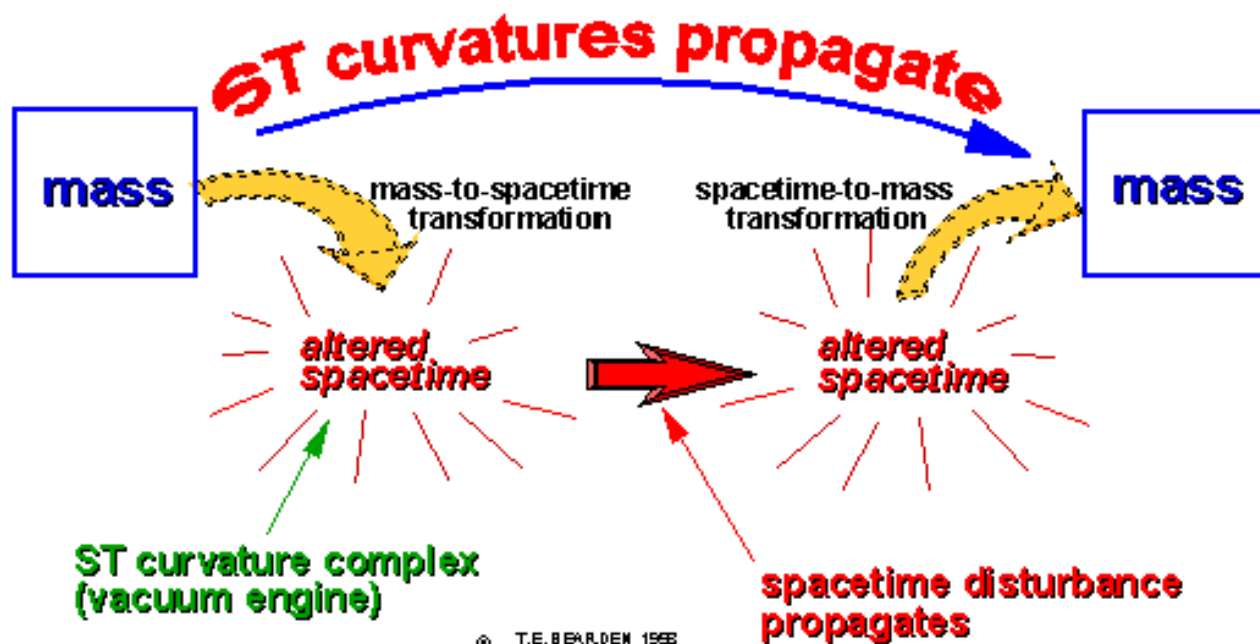
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The *mass-to-mass transform* contains two hidden infolded transforms: (i) the *mass-to-spacetime transform* and (ii) the *spacetime-to-mass transform*. What is transmitted and propagates in space is a *spacetime perturbation*.



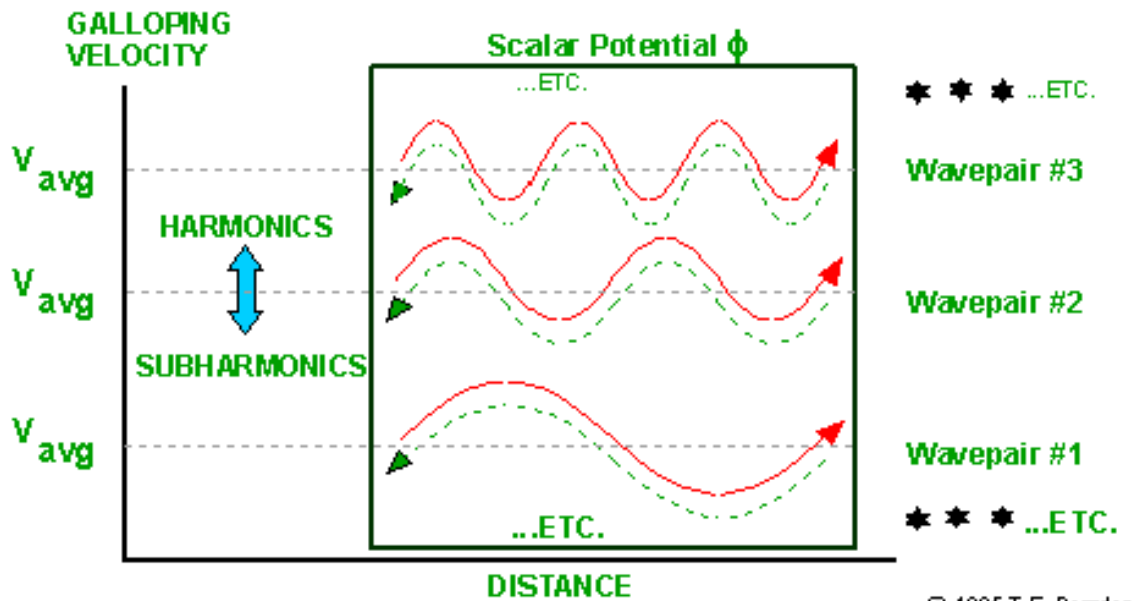
# Mass curves and structures spacetime; ST curvatures change and structure mass



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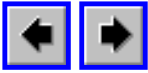


## Composition of the Scalar Potential $\phi$



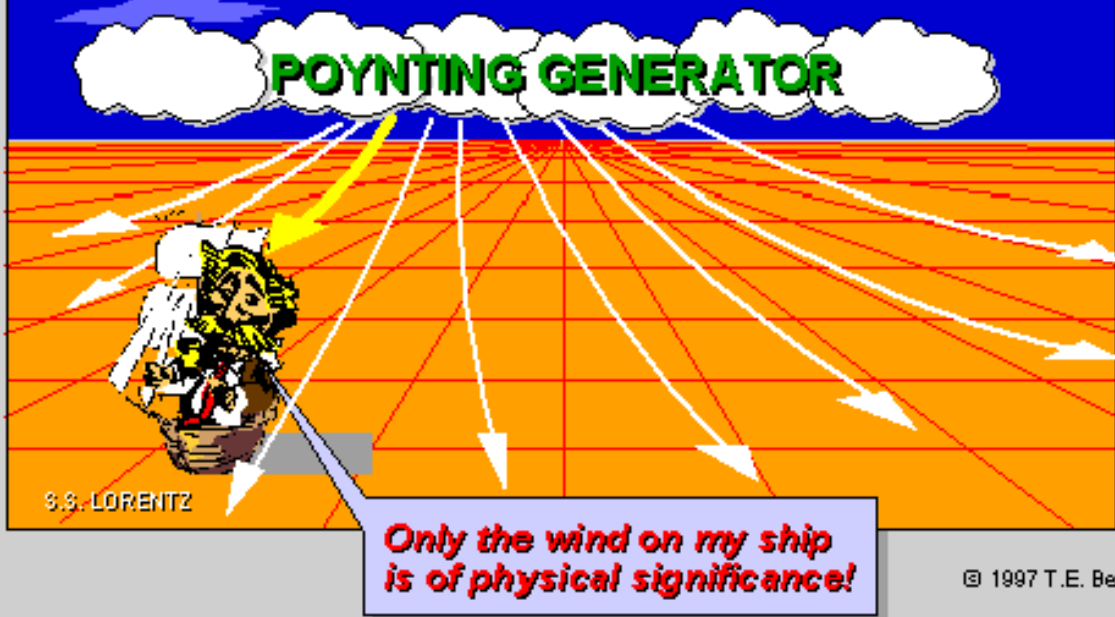
**A harmonic set of bidirectional longitudinal EM wavepairs.  
Each wavepair is also a net time-polarized EM wave.**

© 1995 T.E. Bearden



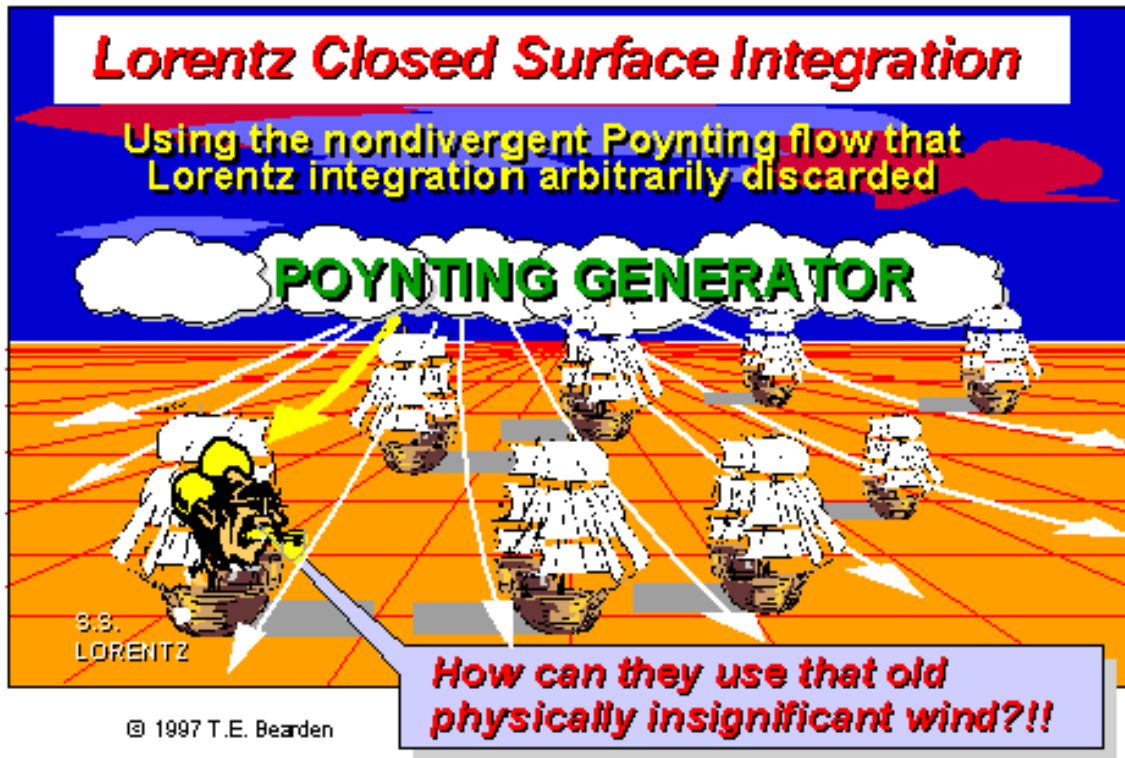
## **Lorentz Closed Surface Integration**

Selects only the locally divergent portion of the Poynting energy flow that powers the component.



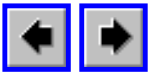
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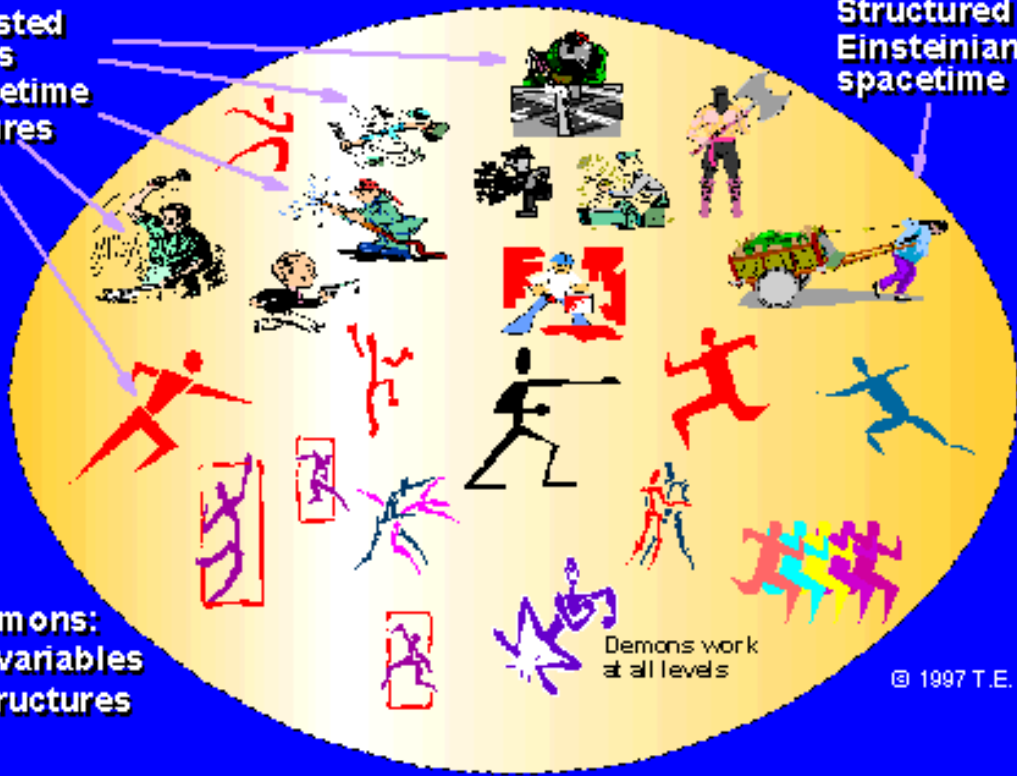
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# Vacuum Engine: Working ST Demons

Interrelated  
patterns  
of spacetime  
curvatures

Structured  
Einsteinian  
spacetime



Maxwell Demons:  
EM hidden variables  
Dynamic structures  
at all levels

Demons work  
at all levels

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## **Undistorted Progressive Waves (UPWs)**

Waves with velocity  $v$ , where  $c \leq v < \infty$

- **UPWs:**

- Translationally invariant
- Do not spread, or reconstruct after a period
- Have infinite energy

\*Rodrigues and Lu, *Found. Phys.*,  
27(3), 1997, p. 435-503.

- **Quasi UPWs:**

- Can have finite energy
- In theory, can be launched into space
- Can move subluminally
- Can move superluminally

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## **Undistorted Progressive Waves (UPWs)**

Waves with velocity  $v$ , where  $c \leq v < \infty$

- **Major equations having UPW solutions:**

- *Homogeneous wave equation*

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- *Maxwell equations*

- *Dirac, Weyl, and Klein-Gordon Equations*

- **Maxwell solutions:**

- *Subluminal solutions are EM particles*

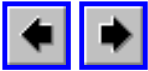
- *Superluminal solutions are X-waves*

- **Experiment indicates such waves will  
will be produced soon**

\*Rodrigues and Lu, *Found. Phys.*,  
27(3), 1997, p. 435-508.

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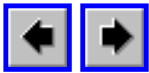
## ***Other Superluminal Waves***

- **Waves can move superluminally in quantum tunneling**
- **Nimtz *et al.* have translated Mozart's 40th symphony at  $v = 4.7 c$** 
  - *Through a barrier in a waveguide*
  - *Other researchers have also transmitted EM waves superluminally through quantum tunneling*

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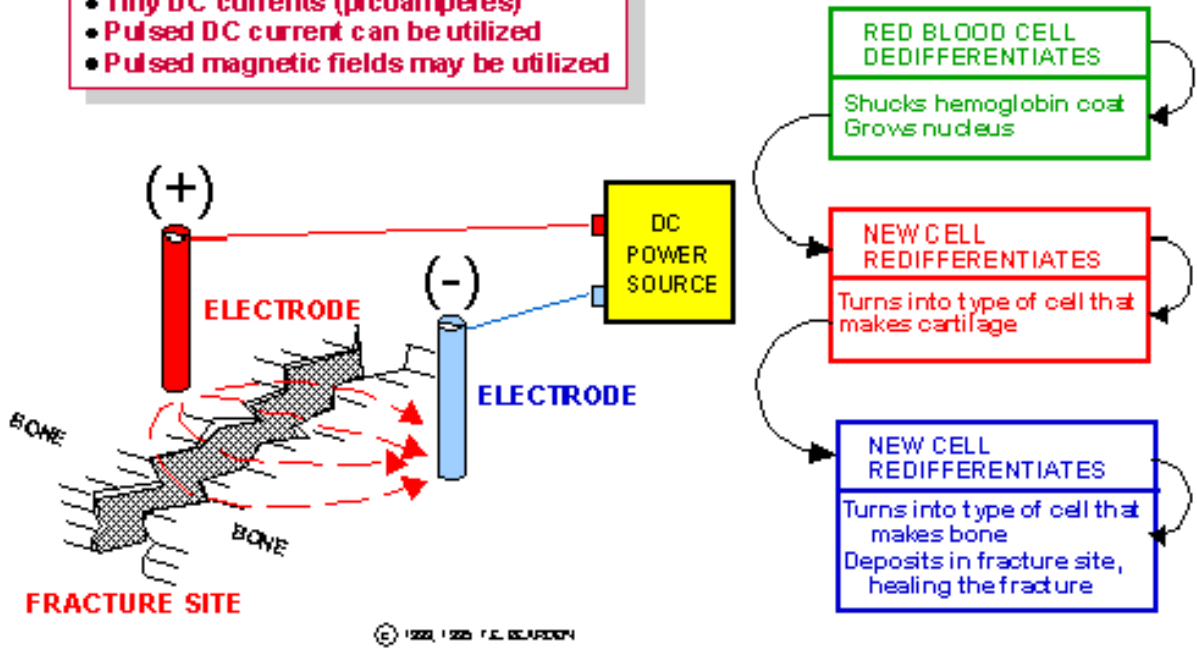
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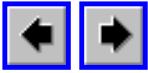


## Becker's bone fracture healing experiments

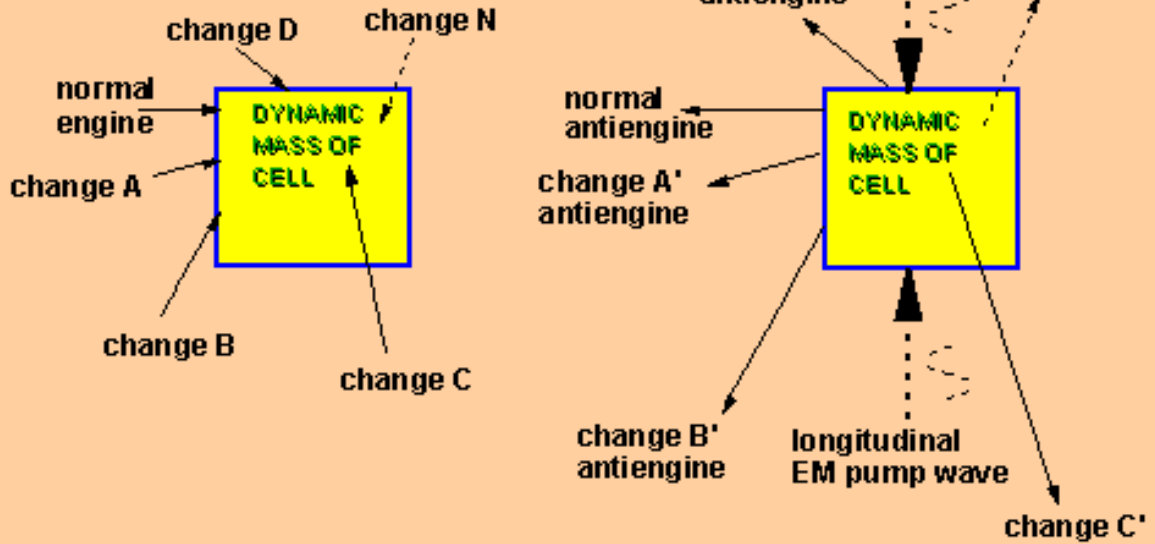
- Tiny DC currents (picoamperes)
- Pulsed DC current can be utilized
- Pulsed magnetic fields may be utilized



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**DISEASED CELL'S DEVIATIONS FROM NORMAL ARE LITTLE SPACETIME ENGINES**

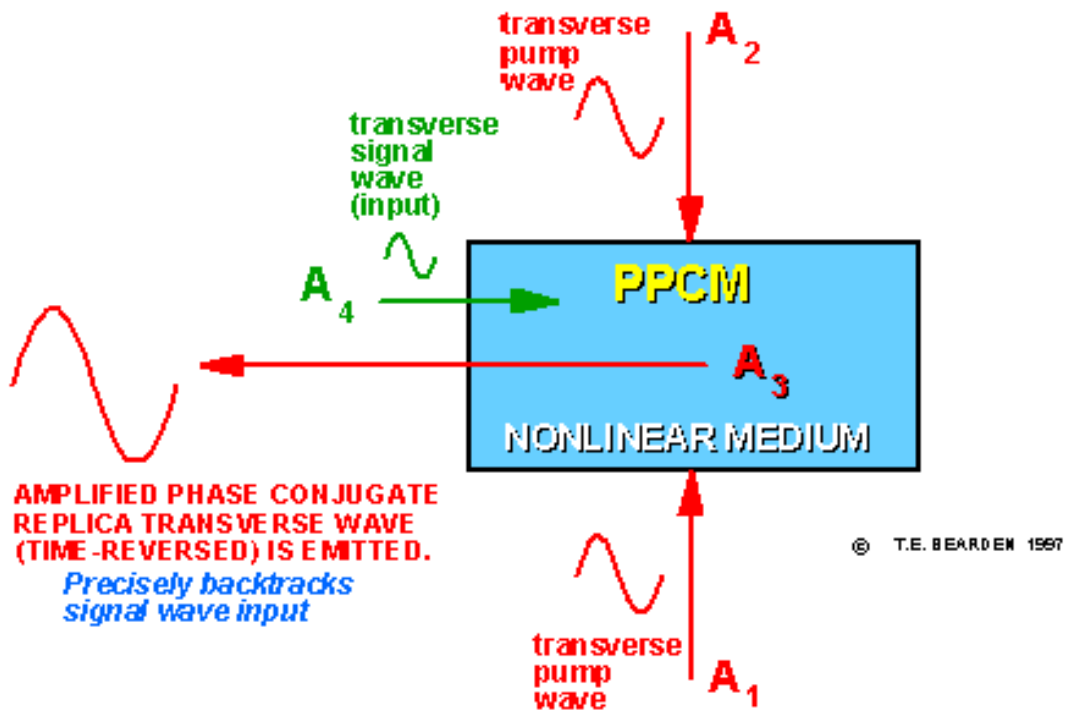


**PRODUCING A SPECIFIC VACUUM (SPACETIME CURVATURE) ENGINE**

© T.E. BEARDEN 1998



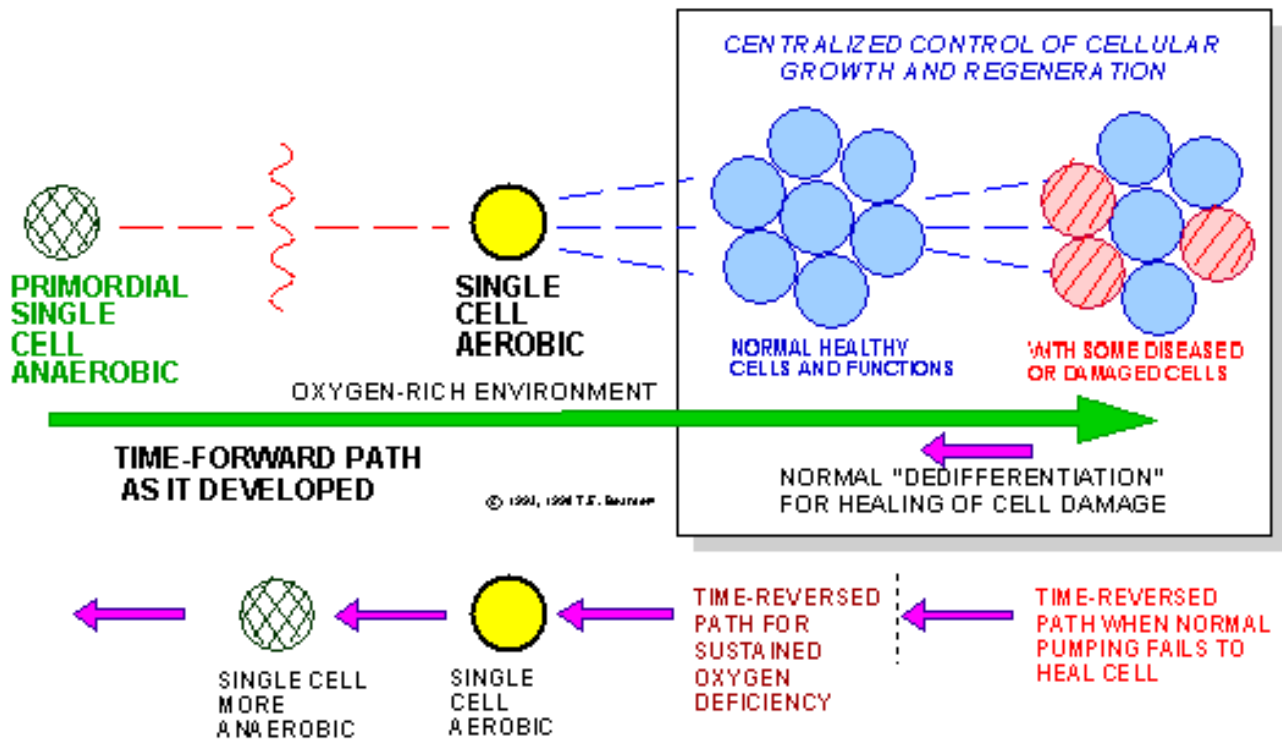
## Transverse EM Wave Pumping of PCM



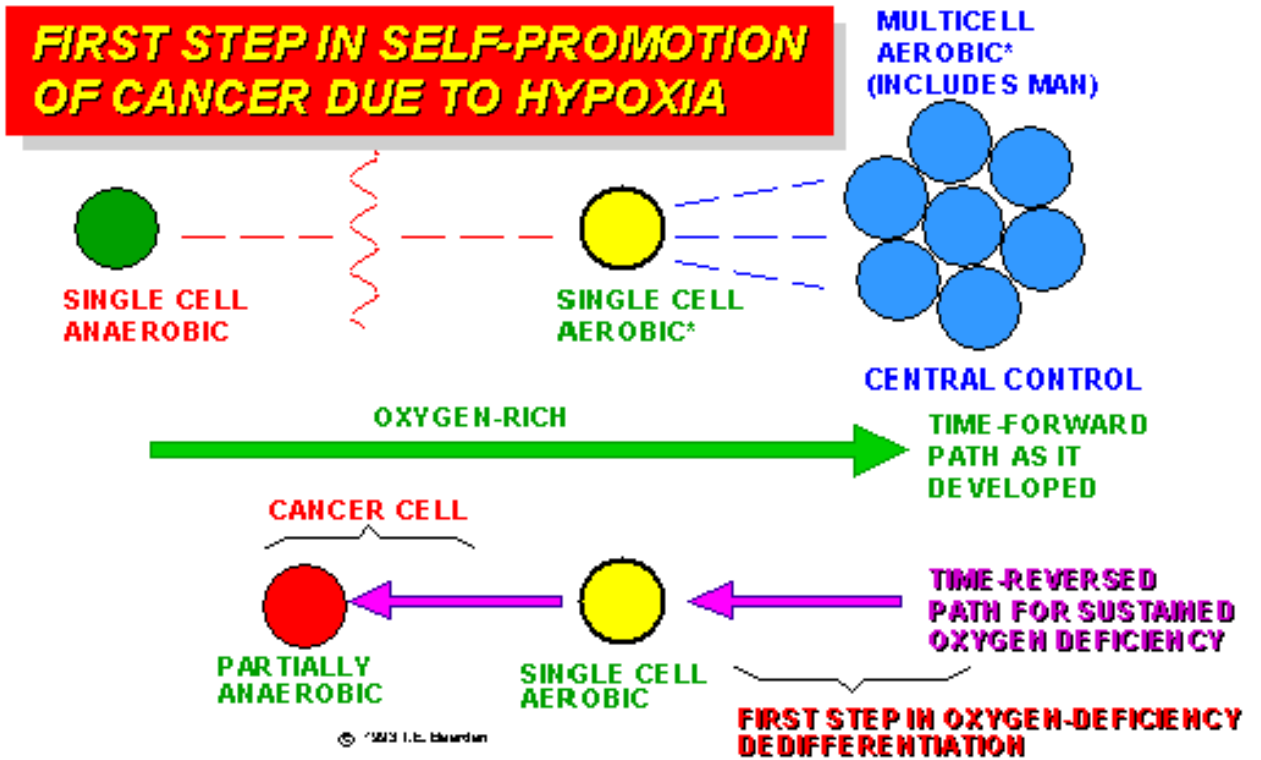
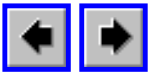
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# Differentiation and Dedifferentiation Timelines



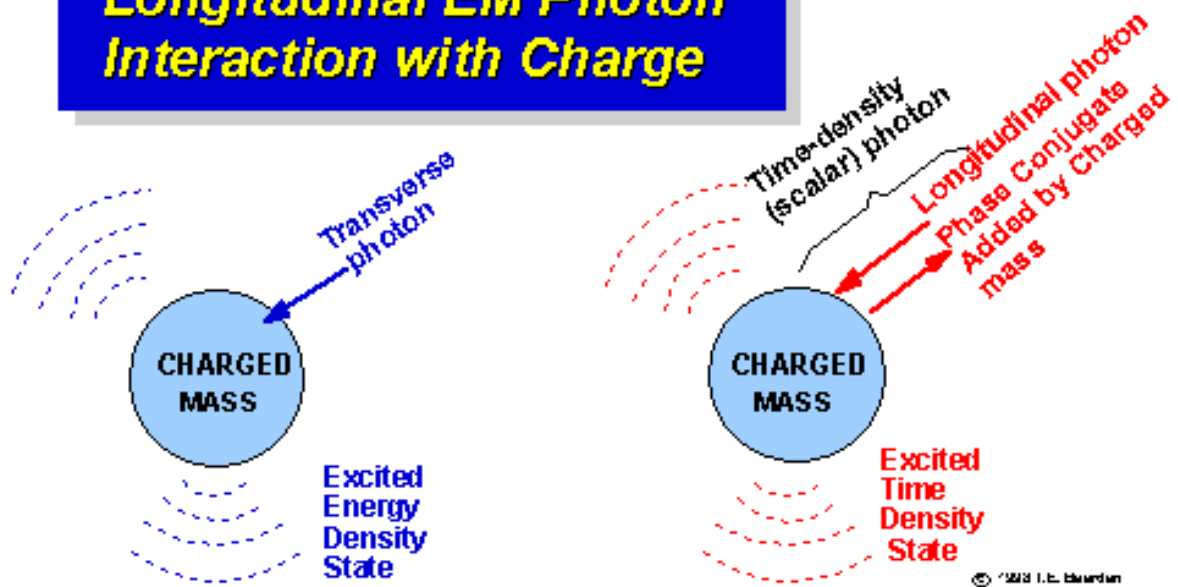
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## Longitudinal EM Photon Interaction with Charge



- Fundamental units are arbitrary in physics
- Can express all physics in one unit -- e.g., time
- Time is highly compressed energy
- 1 sec =  $9 \times 10^{16}$  joules of transverse EM wave energy





## ***Use of General Relativity (GR) in Particle Physics***

---

- GR seldom used in particle physics
- In cold fusion, Matsumoto\* has applied general relativity
- Consistent with important cold fusion results
- Used spacetime (ST) curvature by energy density
- Matsumoto did not utilize:
  - Longitudinal EM waves
  - Time density (time-polarized EM) waves
  - Time density curvatures of ST (gain =  $9 \times 10^{16}$ )

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\* T. Matsumoto, "Mechanisms of Electro-Nuclear Collapse,"  
Proc. ICCF-7, Vancouver, BC, Canada, Apr. 1998, p. 98.

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## *Pepper\* on Time Reversing Mass*

---

- **Conventional NLO interactions restricted to bosons (spin 1 particles) by Pauli exclusion principle**
- **Concludes electrons, protons, neutrons, etc. (fermions, or spin 1/2 particles) cannot take part in such interactions**
- **Perhaps time reversal possible for bosons that are multiple fermions (two protons, Helium 4, pi and K mesons, etc.)**

---

- **Time-reversal of mass demonstrated by Priore, Pautrizel, et. al. without recognizing it.\*\* Questions exclusion for:**
  - Multi-fermion reaction with EM longitudinal waves
  - Multi-fermion reaction with time-density EM waves
- **Prior to the laser, NLO - though known in theory - was a gedanken experiment regarded as experimentally unviable**

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\* David M. Pepper, "Nonlinear Optical Phase Conjugation,"  
Optical Engineering, 21(12), Mar./Apr. 1982, p. 156-183.

\*\* Before the development of NLD in the mid-to-latter 1970s.

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## ***Pepper\* on time-reversing mass***

---

- **Conventional NLO interactions**
  - ***Restricted to bosons (spin 1 particles)***
  - ***By Pauli exclusion principle***
- **Fermions cannot take part in such interactions**
  - ***Electrons***
  - ***Protons***
  - ***Neutrons***
- **Perhaps time reversal possible for multiple fermions (quasi-bosons)**
  - ***Two protons***
  - ***Helium 4***
  - ***pi and k mesons***

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\* David M. Pepper, "Nonlinear Optical Phase Conjugation,"  
Optical Engineering, 21(12), Mar./Apr. 1982, p. 155-183.

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## ***Pepper\* on time-reversing mass (2)***

- Time-reversal of mass demonstrated by
  - ***Priore, Pautrizel, other Priore team scientists***
  - ***Without recognizing it***
- Apparently n-tuple fermions, where n is even, can be time-reversed
  - ***Impact of longitudinal EMI waves***
  - ***Impact of scalar (time-density) EMI waves***
  - ***Major part played by time-reversal regions***
- Prior to the laser, NLO - though known in theory - was a gedanken experiment and regarded as experimentally unviable

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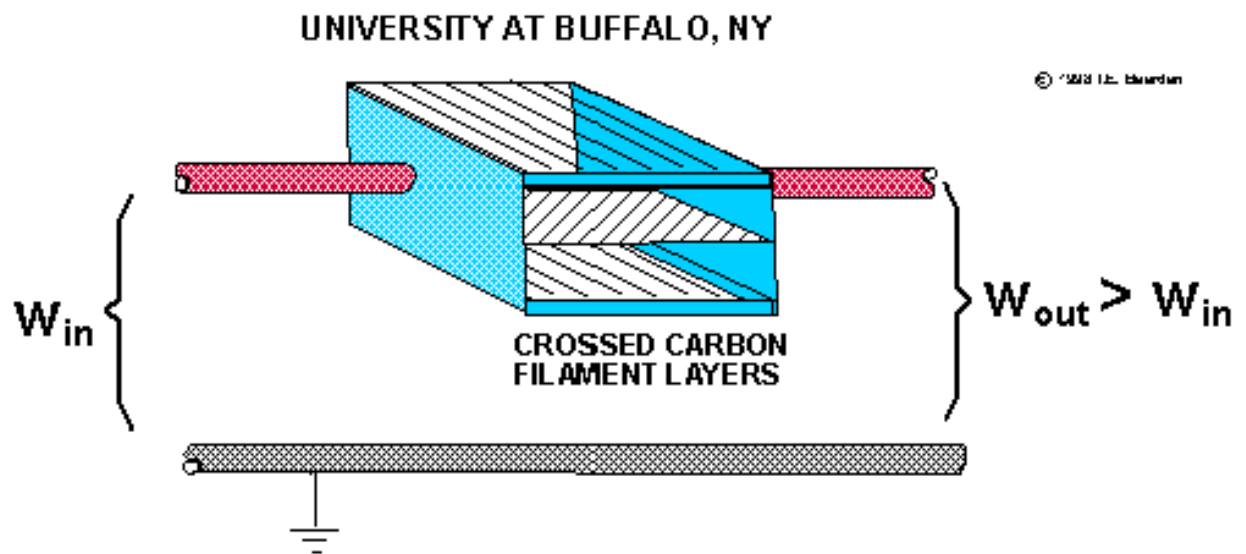
\* David M. Pepper, "Nonlinear Optical Phase Conjugation,"  
Optical Engineering, 21(12), Mar /Apr. 1982, p. 156-183.

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## Chung's Carbon Filament Negative Resistor



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## Consistency of China Lake Anomalies

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- ▶ Variation in LW-TW transduction from experiment to experiment
- ▶ Majority produced insufficient transduction to cause ionization discharge of the GM tube gas (to cause detection)
- ▶ Correlation between appearance of anomalous radiation and the expected time periods to load palladium with deuterium
  - Within few hours in co-deposit experiments where palladium is loaded with deuterium as it deposits from solution
  - Required days of electrolysis for rods that load much slower
- ▶ The faster the deuterium loaded, the greater the interaction of deuterium in phase conjugating and self-targeting in lattice
- ▶ Variation in GM detector readings
  - One would read anomalous radiation, another would be blind to it
  - A few experiments gave simultaneous readings from two detectors
- ▶ Experiments perfectly consistent with LW-TW transduction, time-density charging, variation in GM time histories, and new conservation of energy law

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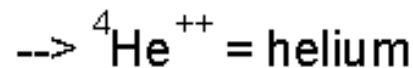
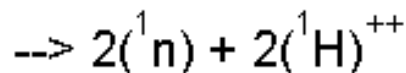
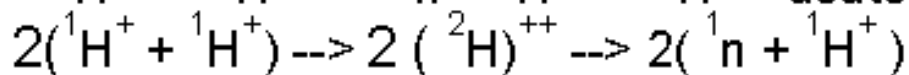
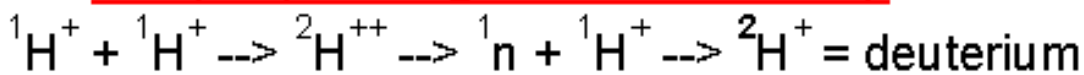


## Time-Reversal Zones in Nuclear and Chemical Reactions

- **TIME REVERSAL ZONE:** A volume or area in a reaction environment where phase conjugate waves predominate over time-forward waves
  - In a given reaction, time-reversal may apply
  - If so, like charges attract and unlike charges repel
  - Charges move against potential gradient, to external observer
  - Time density and longitudinal EM waves become significant
  - Coulomb barrier turns into Coulomb assistant

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- **Examples (assuming a time-reversed zone):**



Quark flipping and energy balancing with curved spacetime assumed)



# ***The Electronuclear Reaction: Nuclear Reactions in TR-Zones (1)***

---

- **Nucleon interchange**
  - Changes neutron into proton and vice versa
  - At high rate (flat spacetime assumed)
- **Statistics become skewed due to curved ST**
- **Can bias statistics toward either neutron or proton end**
  - Biases toward transmutation of elements along isomer chains
  - Concept of "isomer" is vastly expanded

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## ***The Electronuclear Reaction: Nuclear Reactions in TR-Zones (2)***

---

- **Normal dynamics (impulses) may reverse**
  - *Like charges attract, unlike charges repel*
  - *Positive charges cluster (are drawn together)*
  - *H<sup>+</sup> ions (protons) may form quasi-nuclei*
  - *Nucleus coulomb barrier becomes assistant*
- **Many "impossible" reactions now possible**
  - *Quark access and quark flipping by EM*
  - *Ion clustering*
  - *Positive charges as phase conjugate mirrors*
  - *Time-density waves and time-energy charging*

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## ***The Electronuclear Reaction: Nuclear Reactions in TR-Zones (3)***

---

- **Not observed until time-energy charging has become substantial**
  - *Time delay (hours, days)*
  - *Transduction of LW --> TW involved*
  - *Specific time-charging history of detectors is involved in whether they detect or not*
  - *Longitudinal EM waves become significant*
- **Curved spacetime can act as source or sink**
  - *May emit excess radiation*
  - *May absorb excess radiation*

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## On Nuclear Reactions in TR-Zones

---

- **Nuclear interactions now are biased:**
  - Normal nucleon interchange changes neutron into proton and vice versa, at a high rate (flat spacetime assumed)
  - Statistics now become skewed due to curved spacetime
  - Can bias statistics toward either the neutron end or proton end
  - Thus biases toward transmutation of elements along isomer chains
  - Concept of "isomer" vastly expanded
- **Normal dynamics (impulses) may be reversed**
  - Coulomb barrier becomes coulomb assistant
  - Reactions "impossible" from energy density standpoint become possible, even easy, from time-density standpoint
- **Does not become significant until sufficient time-density charges**
  - Time-delay (hours, days) before TR reactions become significant
  - Transduction of LW-->TW involved
  - Specific time-history of detectors is significant
  - longitudinal EM waves become significant
- **Curved spacetime acts as source or sink**
  - Energy balance in curved spacetime may emit excess radiation
  - Energy balance in curved spacetime may absorb excess radiation

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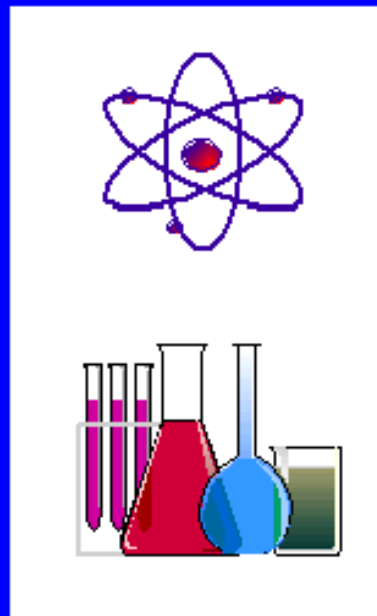
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## *In Time-Reversed Zone: Nuclear reactions are biased*

- In normal flat ST,  $n \Leftrightarrow p$  at high rate
- Curved ST skews statistics
- Biases to either n or p
- Biases to transmutation along isomer chain
- "Isomer" concept greatly expanded

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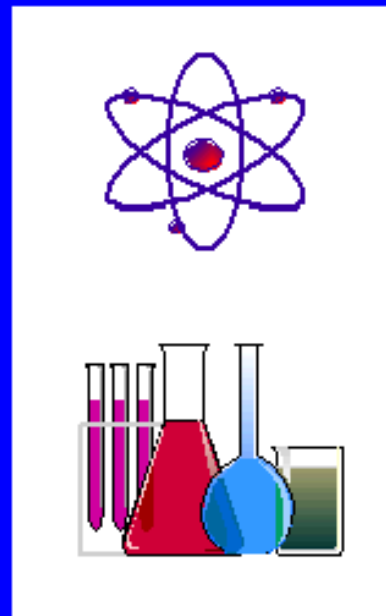
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## ***In Time-Reversed Zone: Dynamics may be reversed***

- Like charges may attract and unlike charges repel
- Coulomb barrier becomes Coulomb assistant
- Clusters like charges and forms artificial nuclei
- "Impossible" nuclear reactions at low energy
- Time-density interactions

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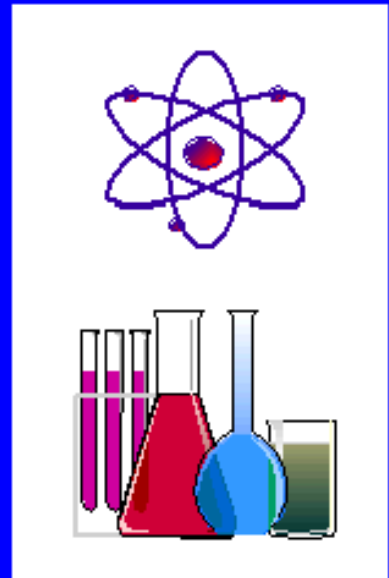
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## ***Time-Reversed Zone: Significant only after time-density charging***

- Hours, for "fast" onset
- Days, for "slower" onset
- Transduction involved for TW  $\leftrightarrow$  LW  $\leftrightarrow$  TDW
- Time-history of each detector is significant
- Longitudinal EM waves become significant



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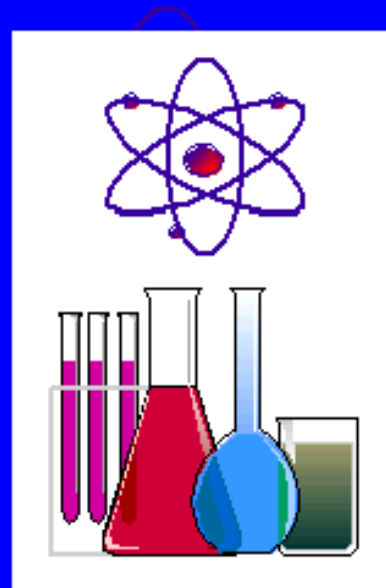
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## ***Curved Spacetime acts as source or sink***

- May emit excess radiation and energy (e.g., heat)
- May absorb radiation and energy (e.g., cool)
- May transduce waves  
TW  $\Leftrightarrow$  LW  $\Leftrightarrow$  TDW
- New energy conservation law applies



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## ***Anomalous LW EM Emission Phenomena at China Lake (1)***

- **Anomalous radiation from electrolysis in ionization processes**
  - Two experiments producing excess power
  - Dental X-ray film showed exposure
  - Simultaneous control study: no exposure
  - 20 experiments without excess power: no exposure
- **Excess energy strongly indicates excess film exposure**

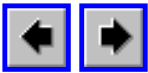
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\* Melvin H. Miles and Benjamin F. Bush, "Radiation Measurements at China Lake: Real or Artifacts?"  
Proc. ICCF-7, Vancouver, BC, Canada, Apr. 1998, p. 101.

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## ***Anomalous LW EM Emission Phenomena at China Lake (2)***

- **GM and NaI detector reaction when electrolysis with heavy water ongoing**
  - Several Geiger-Muller (GM) tubes gave anomalous detection
  - Reached 73 sigma above background
  - No anomalies when experiment off
- **GM tube detects anything which causes its internal ionization**
  - Nuclear radiation is ionizing
  - Transduced x-ray & gamma is ionizing

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## ***Sufficient LW-to-TW Transduction Ionizes GM Tube Gas (3)***

---

- ***Time-history of detector involved***
  - Some GM detectors show anomalous high counts, some do not
  - Time histories of GM detectors are varied
  - Time histories of film vary minimally
- ***Experimental results consistent with***
  - *LW-to-TW transduction including delay*
  - *Time-energy charging*
  - *New extension to energy conservation law*

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## ***Sufficient LW-to-TW Transduction Ionizes GM Tube Gas (4)***

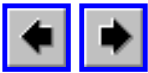
---

- **Time-history of detector involved**
  - Some GM detectors show anomalous high counts, some do not
  - Time histories of GM detectors are varied
  - Time histories of film vary minimally
- **Experimental results consistent with**
  - *LW-to-TW transduction including delay*
  - *Time-energy charging*
  - *New extension to energy conservation law*

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## ***Consistency of Anomalies***

---

- **LW-to-TW transduction varied from experiment to experiment**
- **Most experiments produced insufficient transduction to cause ionization**
- **Appearance of anomalous radiation correlated with expected time loading of palladium with deuterium**
  - **Within few hours in experiments where palladium loads with deuterium as it deposits from solution**
  - **Required days for rods that load much slower**

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## ***Consistency of Anomalies (2)***

---

- **Faster the deuterium loaded, the greater the interaction of deuterium in**
  - Phase-conjugating and self-targeting
  - Producing time-reversal zones © 2003 I.E. Burdun
  - Generating quasi-nuclei of H<sup>+</sup> ions (protons)
- **Variation in GR detector readings**
- **Experimental results predictable by**
  - LW-TW transduction and time-reversal zones
  - Varying time-density charging on GM tubes
  - Variation in GM tube experience histories
  - Time-reversal zones generating electronuclear interactions and quasi-nuclei of H<sup>+</sup> clusters

---

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## Experimental LW Emission Phenomena in Electrolysis

- ▶ Anomalous radiation from electrolysis in ionization processes
  - Two experiments producing excess power
  - Dental x-ray film showed exposure
  - Simultaneous control study: No exposure
  - 20 experiments without excess power: No exposure
- ▶ Excess energy strongly indicates excess film exposure
- ▶ GM and NaI detector reaction when electrolysis ongoing w/heavy water
  - Several Geiger Muller (GM) tubes gave anomalous detection
  - Reached  $73\sigma$  above normal background counts
  - No anomalies when experiment off
- ▶ GM tube detects anything which causes its internal gas to ionize
  - Nuclear radiation is "ionizing" radiation
  - Transduced x-ray and gamma radiation is "ionizing" radiation
  - Sufficient LW-TW transduction ionizes GM gas
- ▶ Time History of detector involved
  - Some GM detectors show anomalous high counts, some do not
  - Time histories of GM detectors vary appreciably
  - Time histories of film vary minimally
- ▶ Experiments consistent with time-density charging, LW-TW transduction, and new conservation of energy law
  - \* Melvin H. Miles and Benjamin F. Bush, "Radiation Measurements at China Lake: Real or Artifacts?" Proc. ICCF-7, Vancouver, BC, Canada, Apr. 1998, p. 101.

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## **A New Conservation of Energy Law**

- **Physics conserves total "energy and mass-energy"**
- **Now also must consider "time-energy"**
- **Conserve total mass-time-energy (spatiotemporal energy)**
- **Let  $E_T$  = total energy,  $E_M$  = mass energy,  $E_E$  = ordinary energy, and  $E_t$  = time energy. Then**

$$E_T = E_E + E_M + E_t$$

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$$(kE_t \Rightarrow E_E > 0) \Rightarrow E_T > (E_M + E_E)$$

- **If some  $E_t$  is transduced into  $E_E$ , the experiment will violate the old spatial mass-energy conservation law**

---

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## QUESTIONS ON CARCINOGENS AND EM RADIATION



### ■ UNRESOLVED QUESTIONS ON EM RADIATION

- DOSAGES
- ACTIVE MECHANISMS
- REPLICATION DIFFICULTIES
- MEASUREMENT DIFFICULTIES
- WHERE, WHEN, HOW ILL EFFECTS OCCUR

### ■ SIMILAR QUESTIONS EXIST ABOUT EVERY CARCINOGEN

### ■ SCIENCE REALLY DOES NOT UNDERSTAND THE MECHANISMS OF A SINGLE CHRONIC DISEASE, INCLUDING CANCER

- FACTORS SUCH AS MIND, STRESS, SPONTANEOUS REMISSION, PLACEBO EFFECTS, AND COMBINATIONS OF FACTORS ARE PARTICULARLY TROUBLE SOME
- GENERATION OF THE PLACEBO EFFECT BY THE REGENERATION & RECOVERY SYSTEM IS UNRECOGNIZED



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## **QUESTIONS ON CARCINOGENS AND EM RADIATION**

---

### **■ UNRESOLVED QUESTIONS ON EM RADIATION**

- DOSAGES**
- ACTIVE MECHANISMS**
- REPLICATION DIFFICULTIES**
- MEASUREMENT DIFFICULTIES**
- WHERE, WHEN, HOW ILL EFFECTS  
OCCUR**



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### **■ SIMILAR QUESTIONS EXIST ABOUT EVERY CARCINOGEN**

---

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## **CHRONIC DISEASE PUZZLING**

- SCIENCE REALLY DOES NOT UNDERSTAND THE MECHANISMS OF A SINGLE CHRONIC DISEASE, INCLUDING CANCER
- MANY TROUBLING FACTORS EXIST
  - *MIND*
  - *STRESS*
  - *SPONTANEOUS REMISSION*
  - *PLACEBO EFFECTS*
  - *COMBINATIONS*
- GENERATION OF THE PLACEBO EFFECT BY THE CELLULAR REGENERATION SYSTEM IS UNRECOGNIZED



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# **Cancer Characteristics**

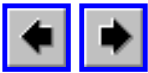
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- Not one disease, but a whole range
- Starts in damaged aerobic cell
- Cell shakes off body's central control
  - Starts uncontrolled division
  - Becomes a lump
- Can send forth cancer cells
  - Through blood
  - Through lymph
- Form metastases (secondary tumors)
- Often become anaerobic

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# ***Solving a Cancer Enigma***

- **An enigma has been failure of immune system to attack some tumor cells**
  - Suppressor cells may curb immune system?
  - Tumor may lack antigens normally identified by the immune system?
- ***Promotion of damaged cell to cancer is usually ordered by cellular control system***
  - *Regenerative and recovery system forces cell back toward anaerobe*
  - *First step breaks free from central growth*
  - *Control continues to recognize cell as self*

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## **CANCER: CHARACTERISTICS**

- **NOT ONE DISEASE BUT A WHOLE RANGE**
- **STARTS IN ORDINARY (AEROBIC) CELL**
- **CELL SHAKES OFF BODY'S DICTATORIAL CONTROL\***
- **STARTS UNCONTROLLED DIVISION**
- **BECOMES A LUMP**
- **CAN SEND FORTH CANCER CELLS**
  - **THROUGH BLOOD**
  - **THROUGH LYMPH**
- **THESE FORM METASTASES (SECONDARY TUMORS)**
- **OFTEN BECOME ANAEROBIC (NON-OXYGEN USING)**
- **ENIGMA IS FAILURE OF IMMUNE SYSTEM TO ATTACK SOME TUMOR CELLS**
  - **SUPPRESSOR CELLS MAY CURB IMMUNE SYSTEM**
  - **TUMOR MAY LACK ANTIGENS NORMALLY IDENTIFIED BY THE IMMUNE SYSTEM**

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*\*R&R system forces cell back toward anaerobe*

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## PORTABLE PRIORE TECHNOLOGY UNIT

- ★ **FACT: DISEASE-SPECIFIC VACUUM ENGINE PRESENT FOR ANY CELLULAR DISEASE, BY WHEELER'S PRINCIPLE**



- *DISEASE CAN BE REVERSED BY CREATING AMPLIFIED VACUUM ANTI-ENGINE (BEARDEN'S PRINCIPLE)*
- *ANTI-ENGINES CREATED BY PUMPING THE NONLINEAR CELLS WITH LONGITUDINAL EM WAVES*



- ★ **PRIORE UTILIZED A PLASMA TO PHASE CONJUGATE AND "INFOLD" MULTIPLE BIDIRECTIONAL LONGITUDINAL EM PUMP WAVES**



- *MULTIPLE FREQUENCIES MIXED IN A ROTATING PLASMA*
- *PHASE CONJUGATES ADDED BY THE PLASMA*
- *INFOLDED MIX INTO STRONG PULSED DC MAGNETIC FIELD, WHICH CARRIED IT INTO ATOMIC NUCLEI*
- *PUMPED ALL NONLINEAR CELLULAR COMPONENTS TO PRODUCE AMPLIFIED, SPECIFIC VACUUM ANTI-ENGINE*



- ★ **NEGATED THE CUMULATIVE CELLULAR DEDIFFERENTIATION ORDER GENERATED BY LONG-TERM HYPOXIA. TUMOR CELLS REVERTED TO NORMAL CELLS.**
- ★ **SCRUBBED OUT CUMULATED PRECANCEROUS STATE**
- ★ **RESTORED THE IMMUNE SYSTEM TO HIGH FUNCTIONING**
- ★ **NO EXCESSIVE TRAUMA TO TREATED ANIMAL**



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## **Lisitsyn's Report: Brain Code Broken**



- ★ **THEORY DEVELOPED AND FITTED**
- ★ **HYSTERESIS MEMORY LOOP**
- ★ **CONTROLLED EM INDUCTION**
  - **IMAGES**
  - **SENSATIONS**
  - **PREDETERMINED EMERGENCE**
- ★ **23 EEG BANDS**
  - **UP TO  $8.1 \times 10^{20}$  HZ**
  - **11 INDEPENDENT CHANNELS**

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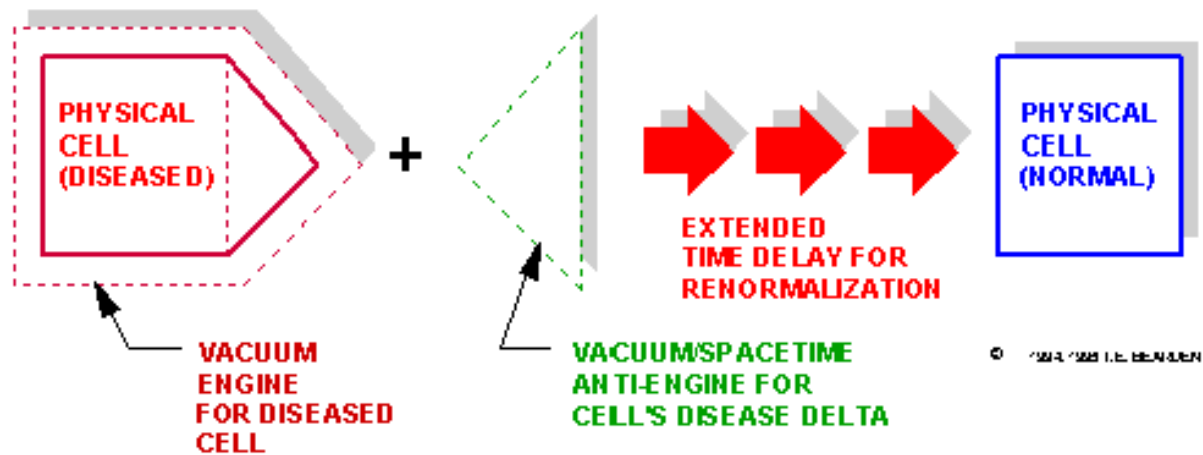
S.E. Lisitsyn, "New Approach to the Analysis of Electroencephograms,"  
IDC Report AD73005, p.16-25.

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# ANTI-ENGINE FOR CELL'S DEVIATION REVERSES CELL BACK TO NORMAL



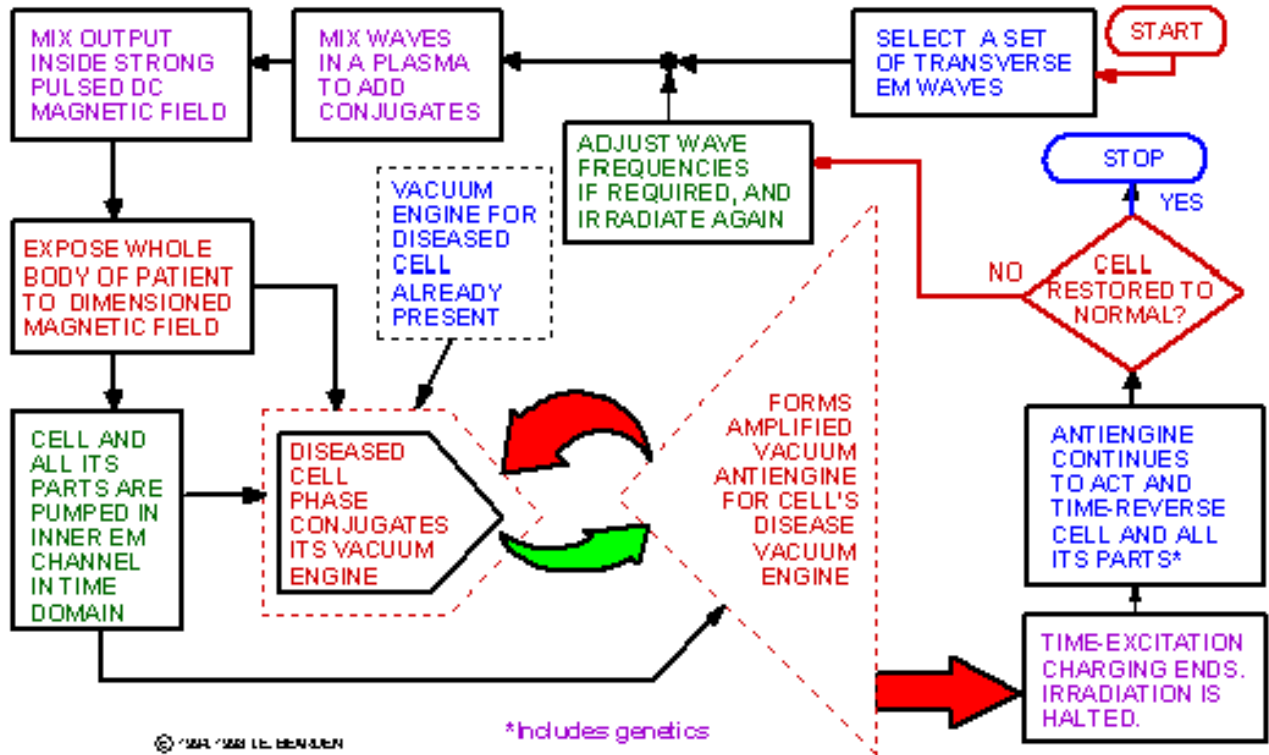
By pumping the internal EM channel, process is dramatically accelerated.  
This is the body's normal recovery mechanism, within its limits.



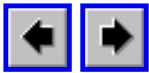


# Priore's Therapeutic Methodology

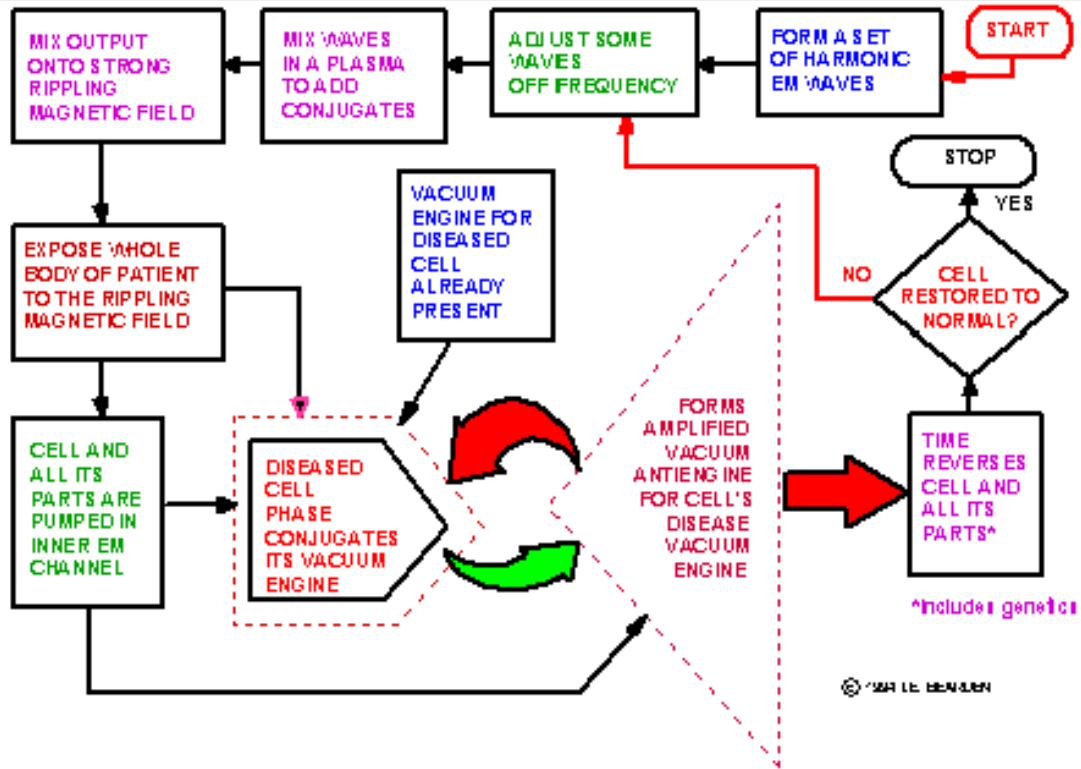
**Time-reverses the cells back to normal state**



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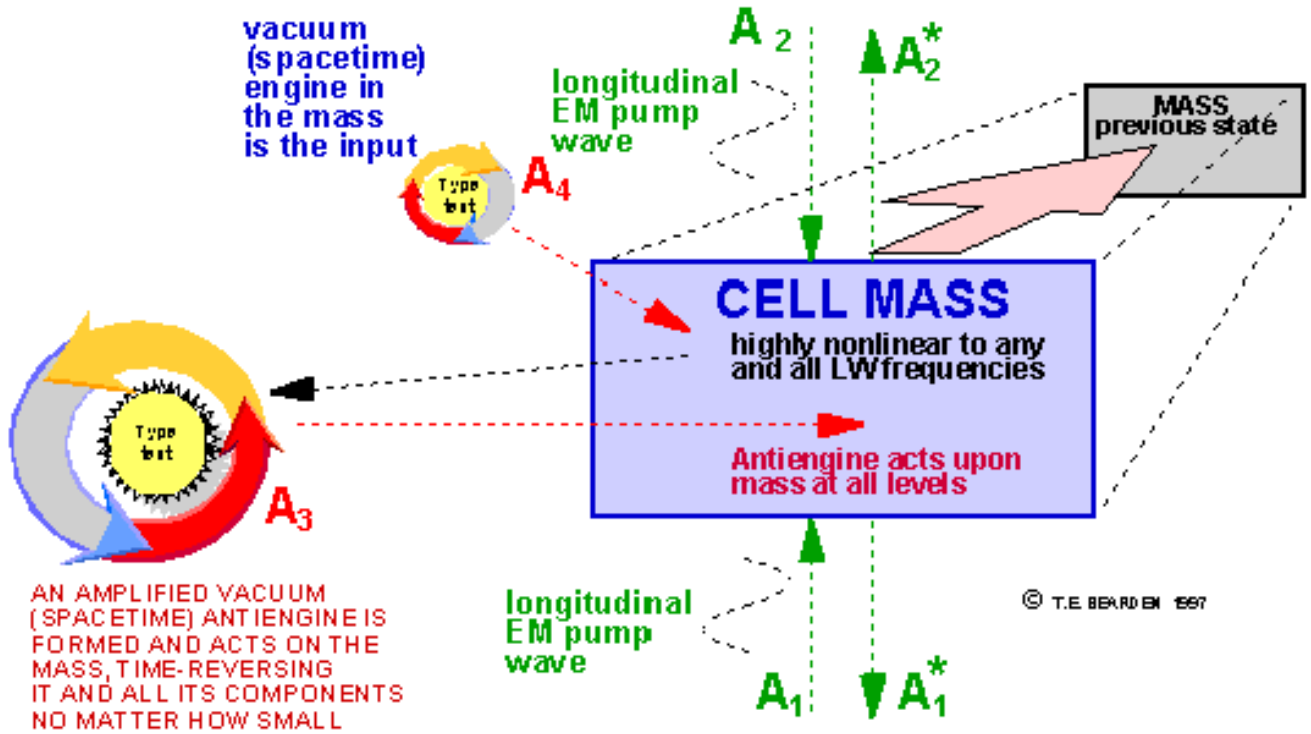
# Priore's Therapeutic Methodology



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# Pumping with Longitudinal EM Waves Time-reverses the Mass

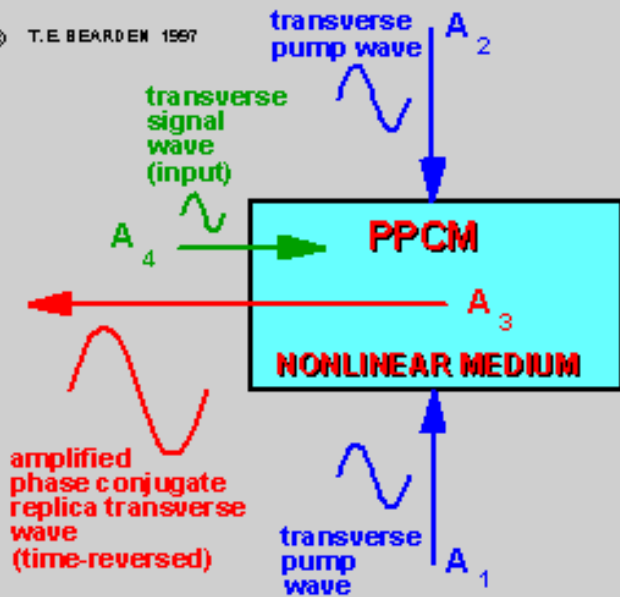


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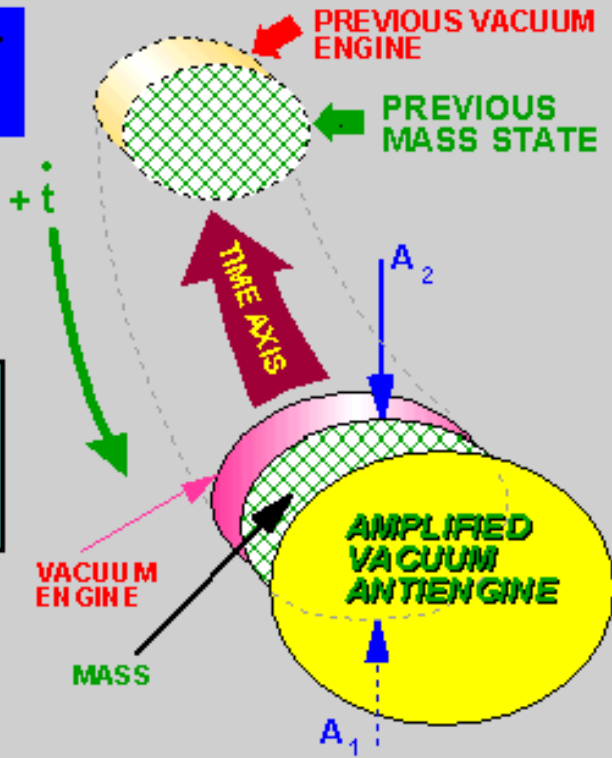


## Extension to nonlinear optical pumping

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a. Pumping with transverse EM waves produces a time-reversed wave.



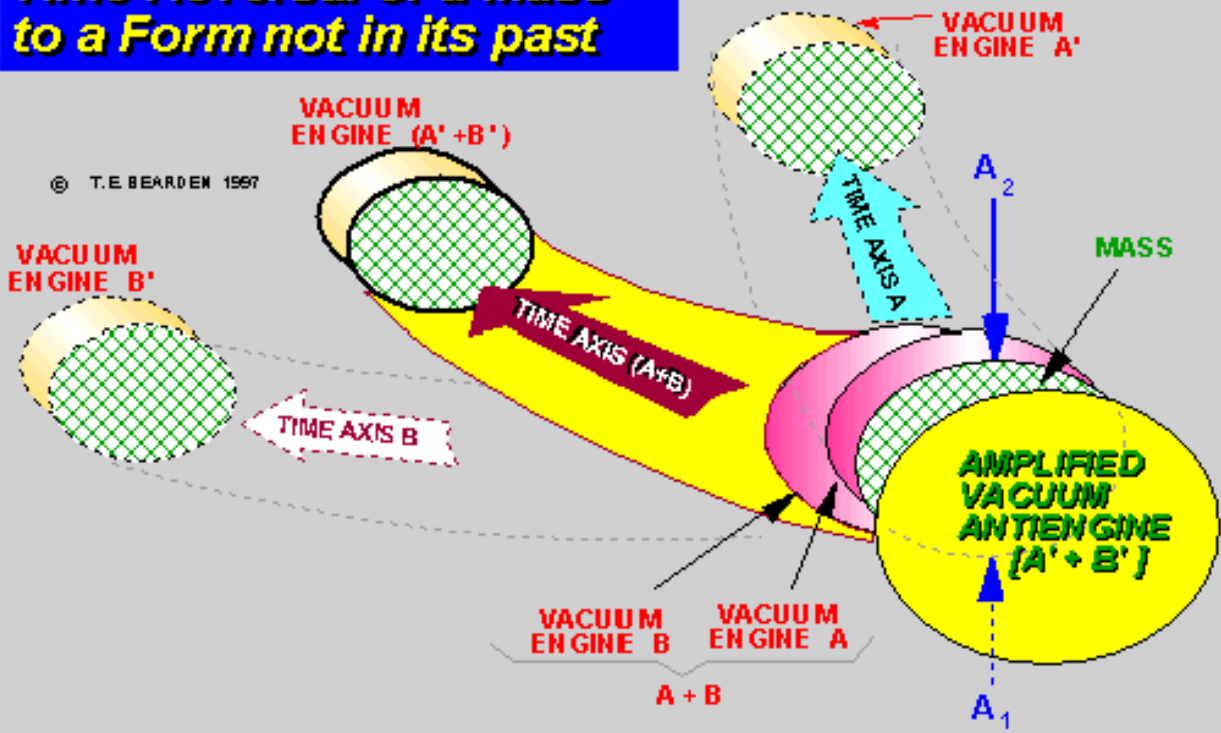
b. Pumping with longitudinal EM waves  $A_1$  and  $A_2$  time-reverses the mass itself.

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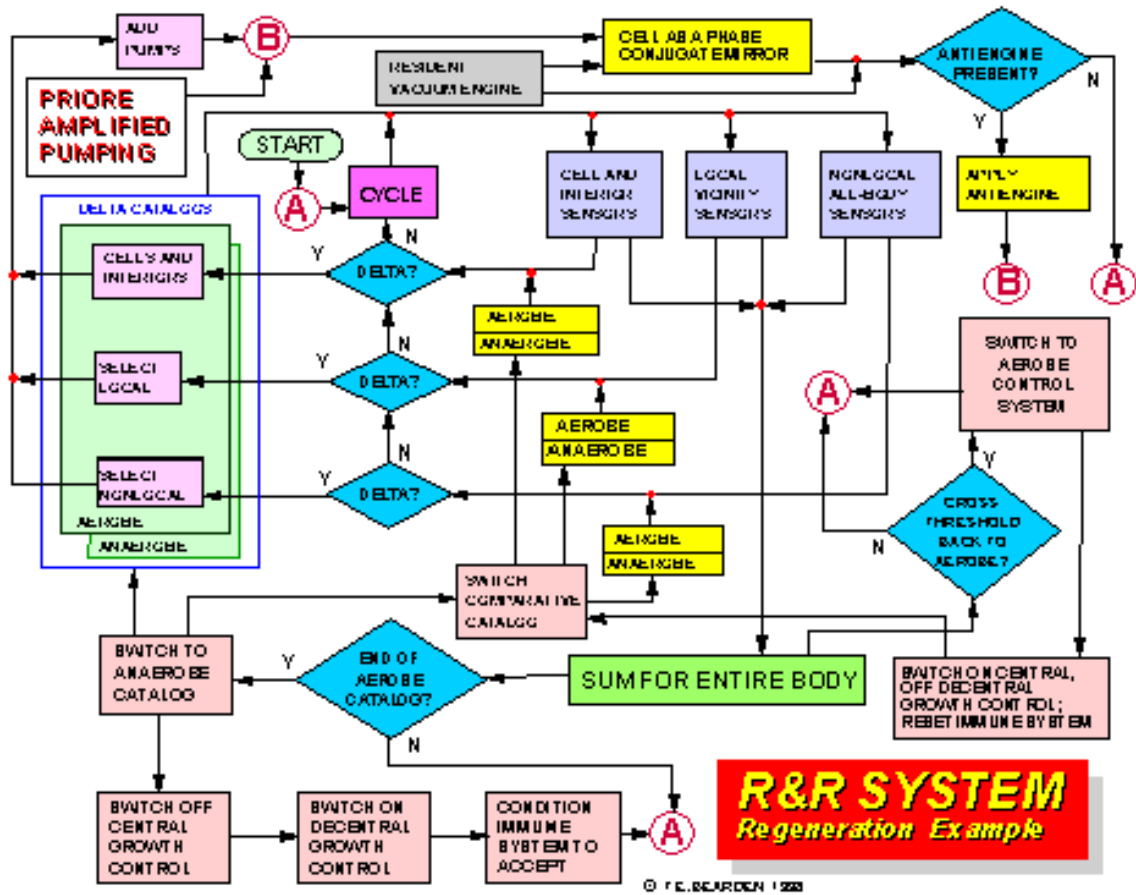
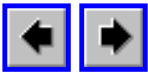


# Time Reversal of a Mass to a Form not in its past

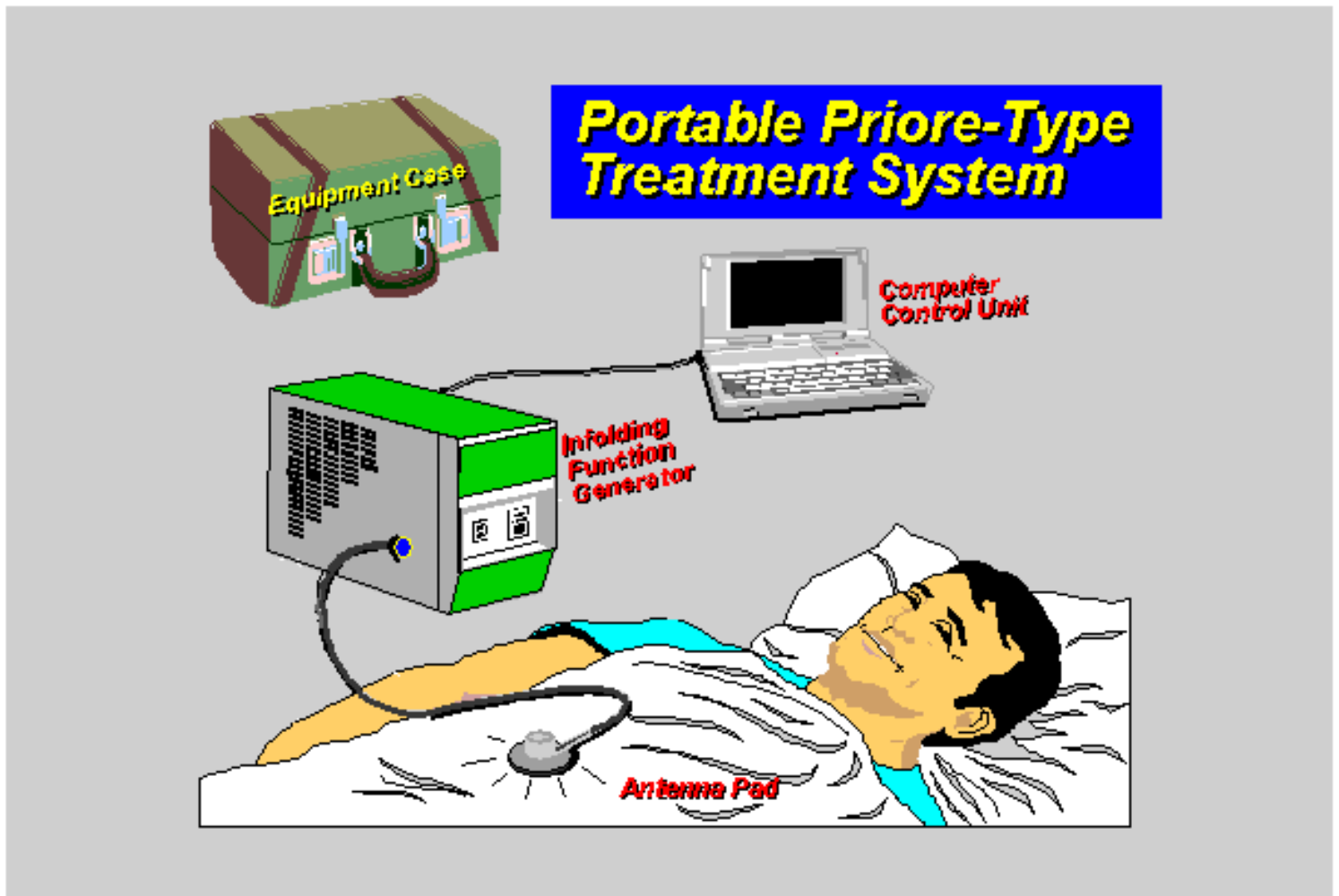
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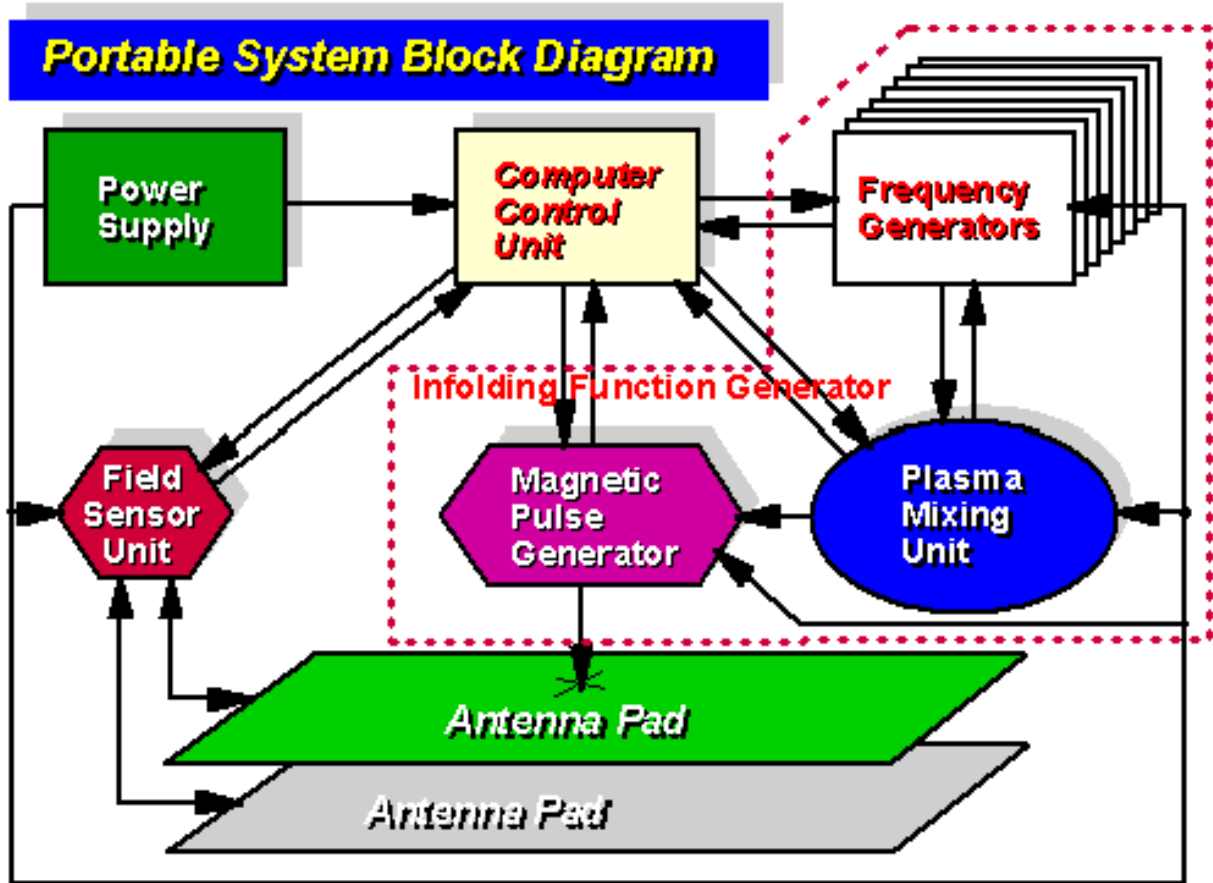


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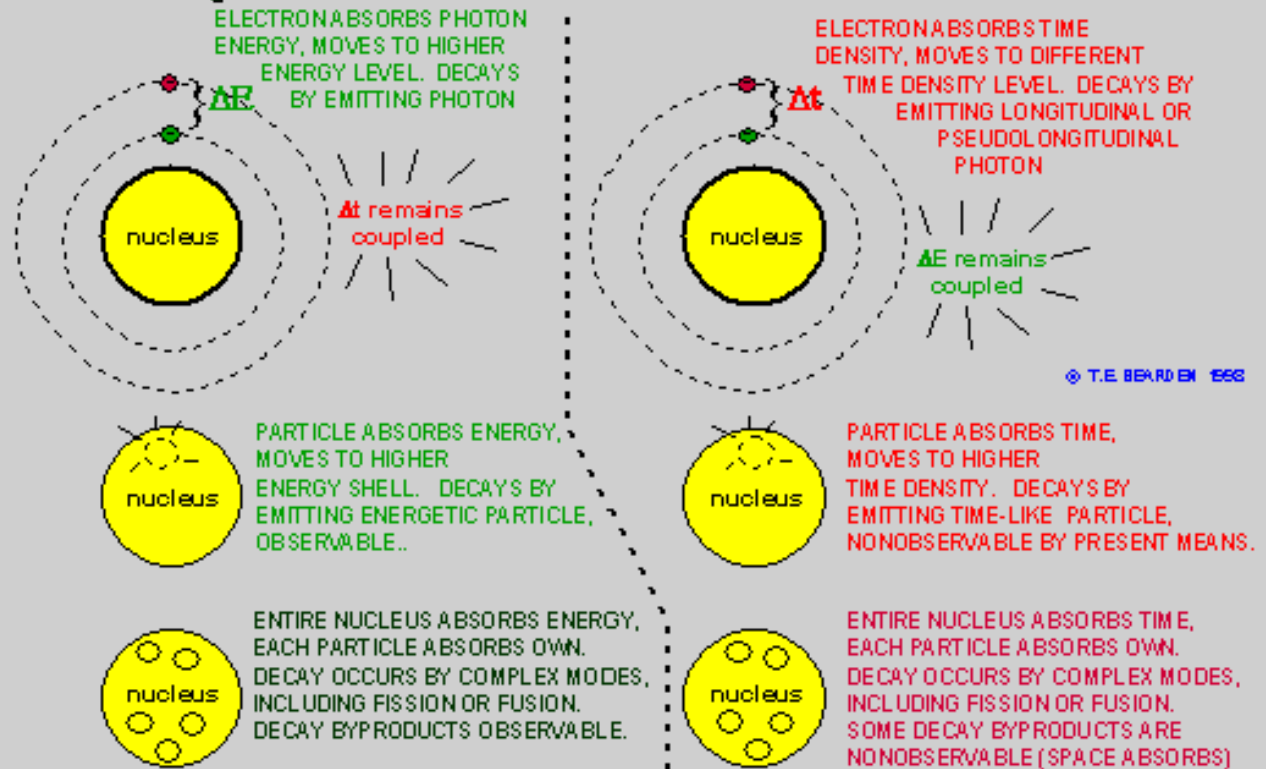
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# Absorption and emission reactions





# Absorption and emission reactions

## TRANSVERSE PHOTON

ELECTRON ABSORBS PHOTON ENERGY, MOVES TO HIGHER ENERGY LEVEL. DECAYS BY EMITTING PHOTON, REMOVING  $\Delta t$

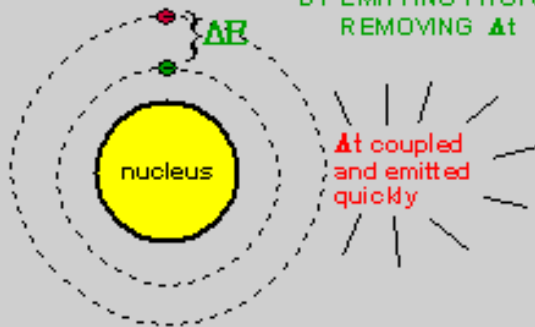


Figure A. Excited energy density level in one jump.

## STREAM OF TIME-POLARIZED PHOTONS

ELECTRON ABSORBS TIME DENSITY, MOVES TO  $1/c^2$  DIFFERENT TIME DENSITY LEVEL. DECAYS BY EMITTING LONGITUDINAL OR PSEUDOLONGITUDINAL PHOTONS

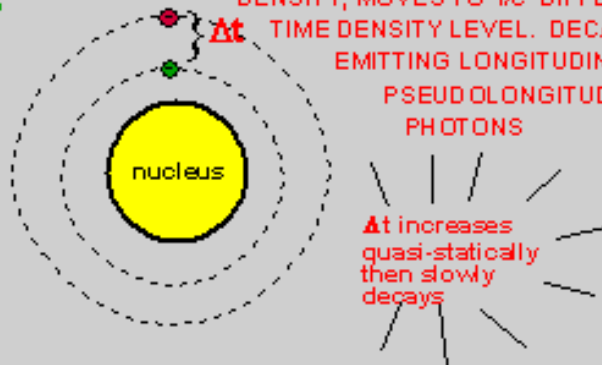
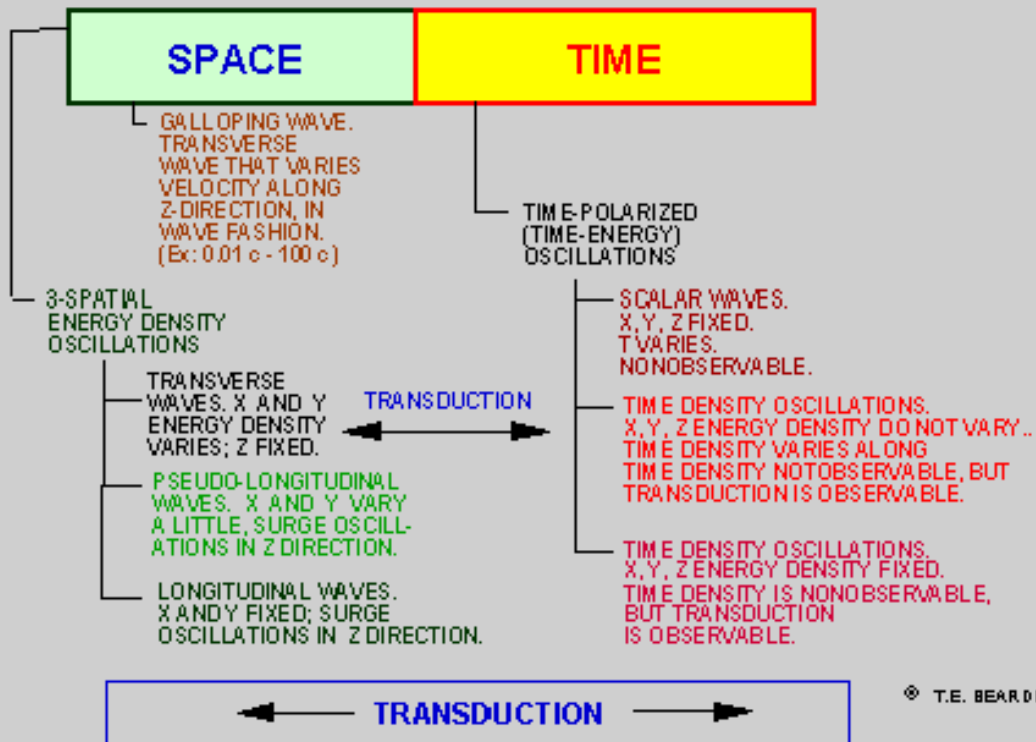


Figure B. Excited time density level significant only after enormous number of increases.

© T.E. BEARD EM 1998

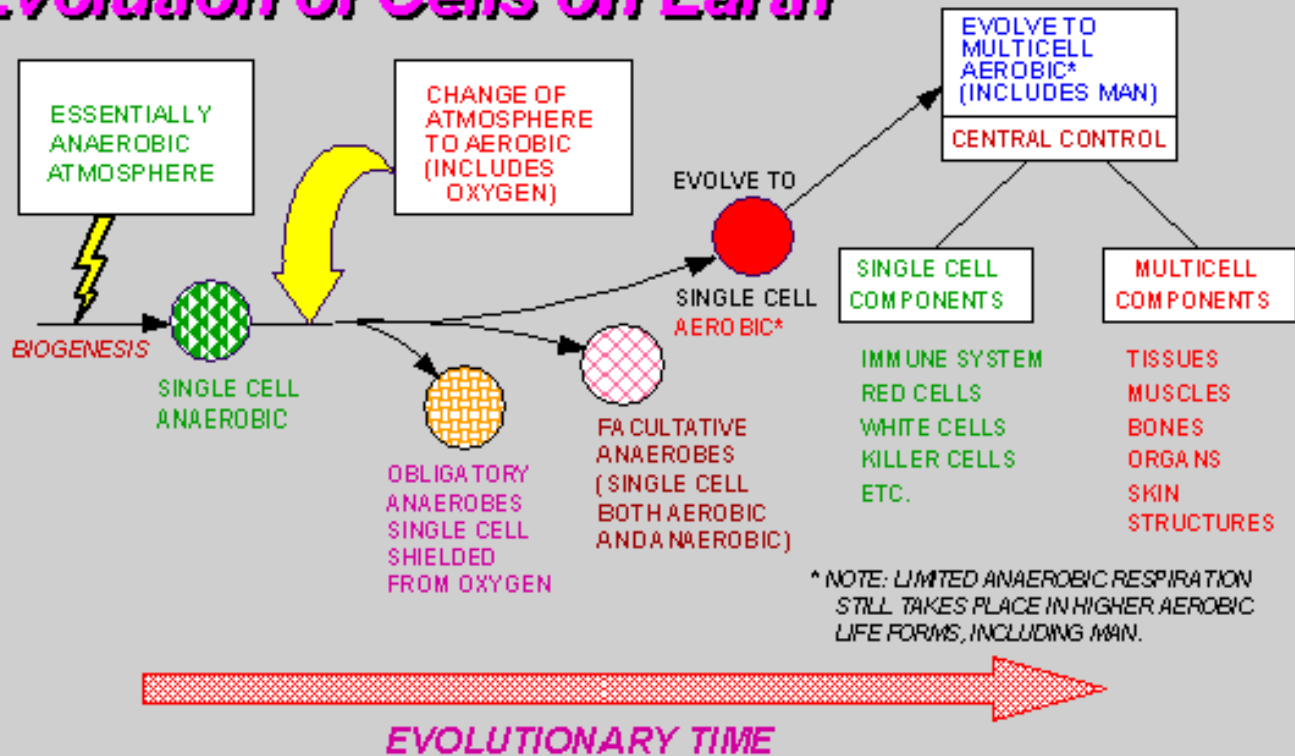
# Some EM Waves in Spacetime



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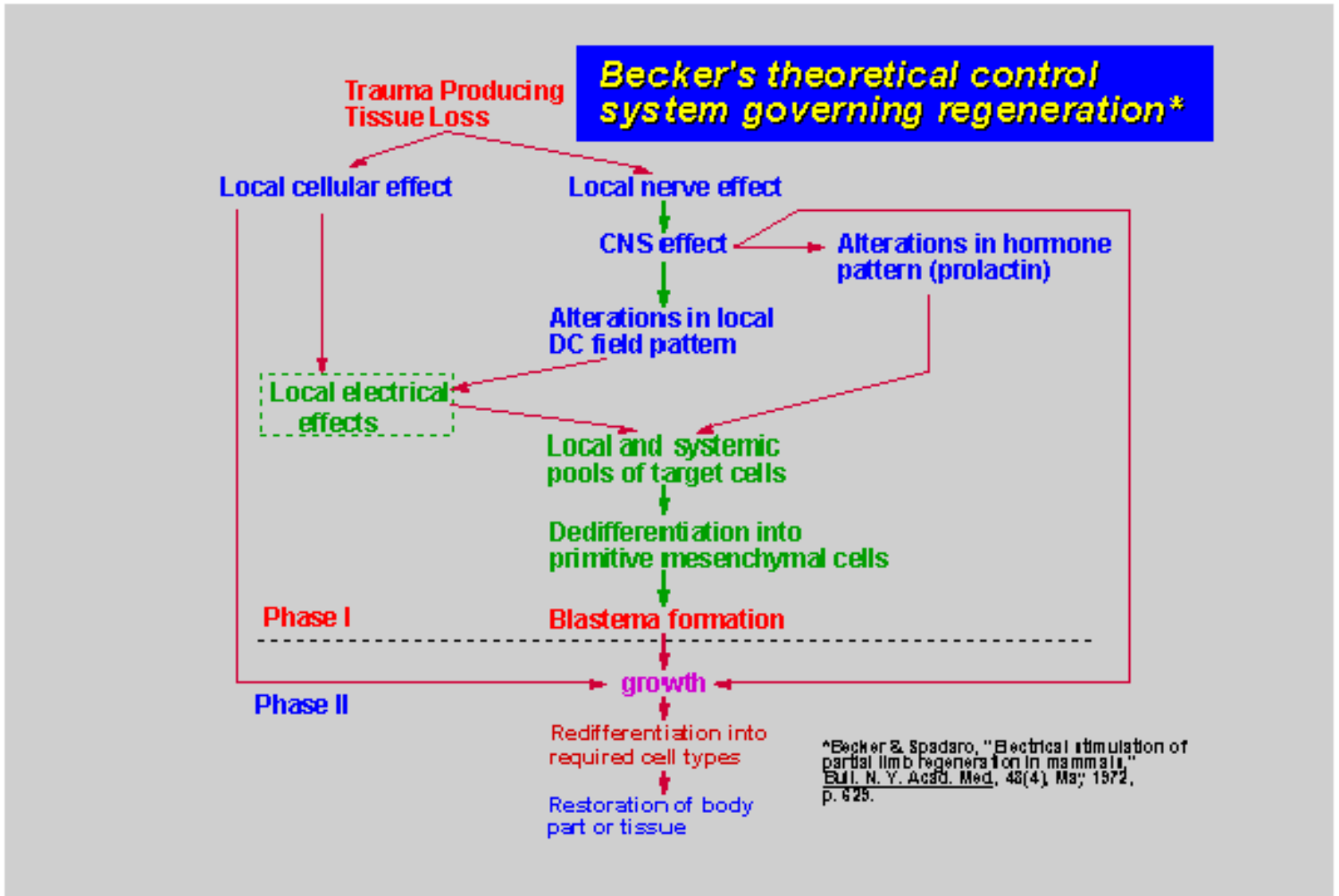


# Evolution of Cells on Earth



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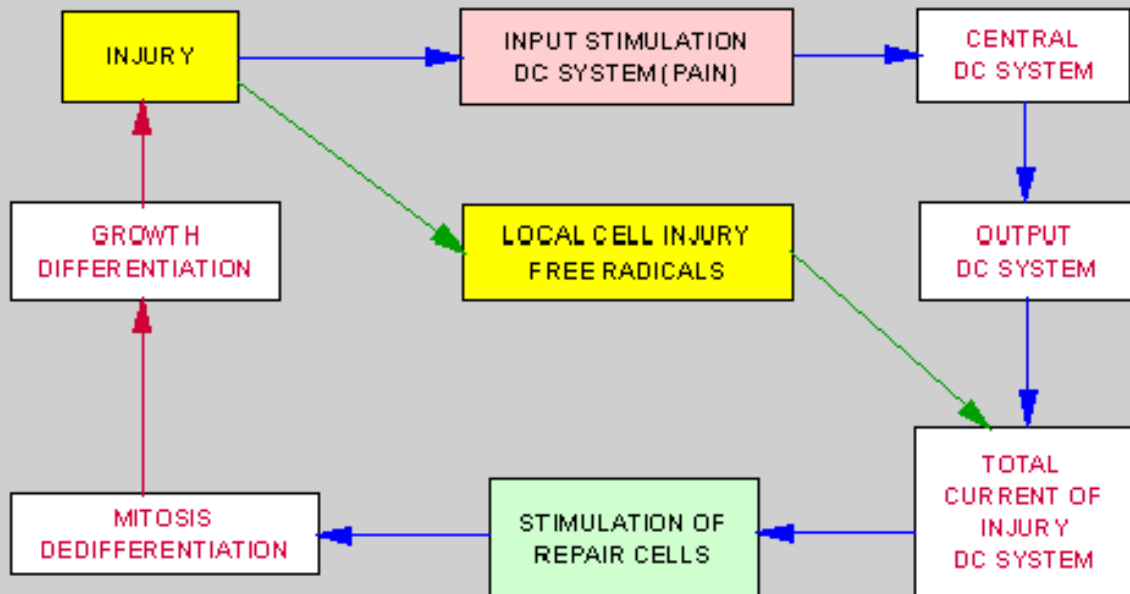
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## **Becker's theoretical DC control system involved with response to injury\***



\*Robert O. Becker, "The significance of bioelectrical potentials," *Bioelectrochemistry and Bioenergetics*, Vol. 1, 1974, p. 191.

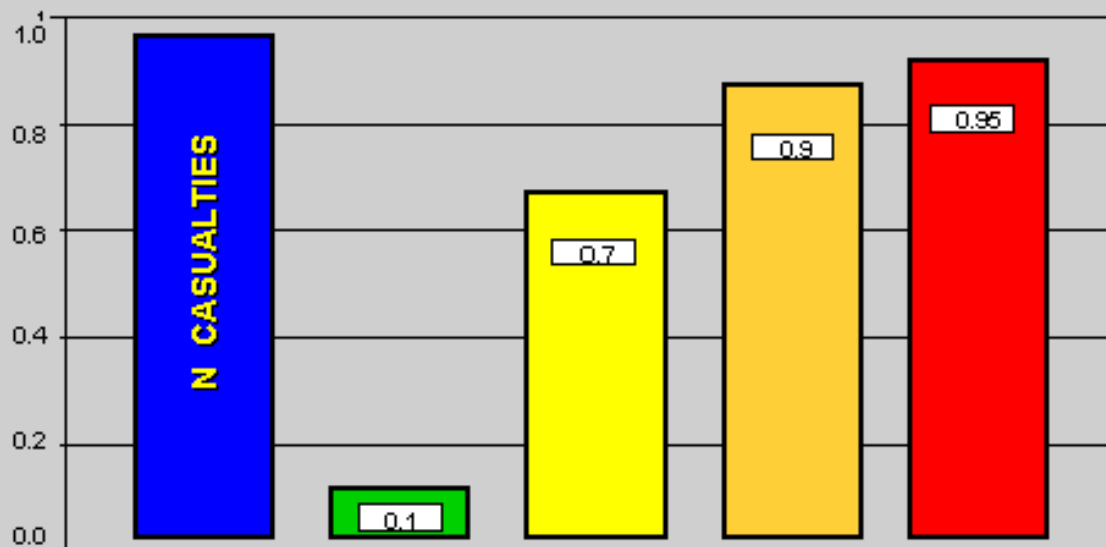
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# Fraction of Casualties Surviving

FRACTION SURVIVING

N = 1 - 40 million



CASUALTIES

TYPE TREATMENT RECEIVED

EXPRESSED IN FRACTION SURVIVING

- With conventional treatment
- With 1st generation P-treatment
- With 2nd generation P-treatment
- With 3rd generation P-treatment

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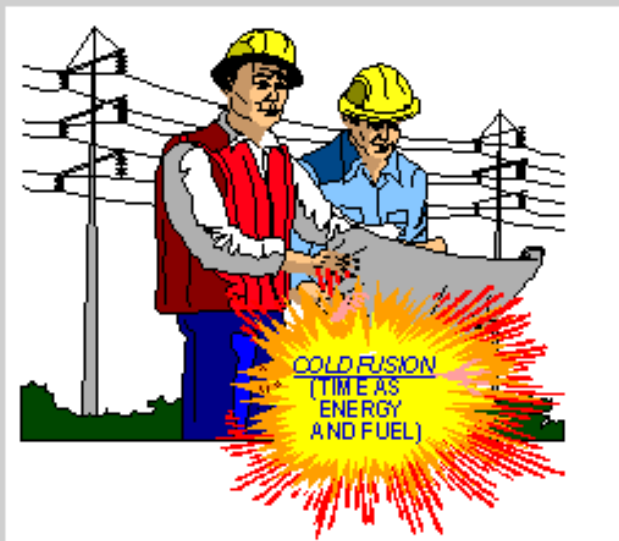
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## ***"Time as fuel" is the future***

- **Present energy science is insufficient**
- **Eventually will use energy locked up in time itself**
- **Cold fusion will provide entrée**
- **Cold fusion has evidence of time-as-energy**
- **Theorists and experimentalists should examine the implications**
- **Must revise foundations of Electrodynamics**

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