



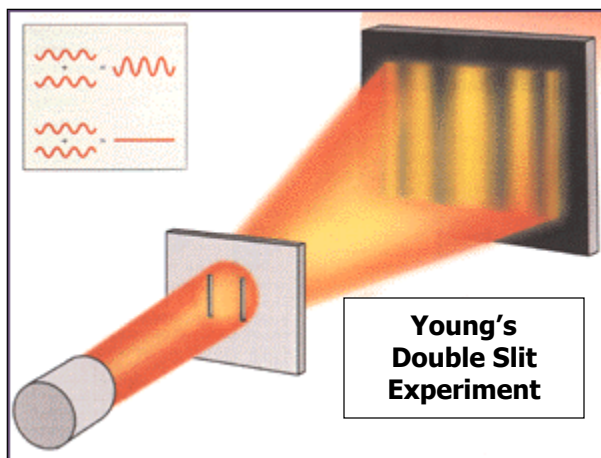
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ZERO-POINT ENERGY & THE 3 LAWS OF THERMALDYNAMICS

We have all heard the expression that nature abhors a vacuum. Yet for nearly one century until recently physicist have tried to assert just that. This all started with scientist pondering how light can travel across a virtual vacuum through space. Prior to this modern heresy, all scientists believed that all of space was filled with this ocean of dynamic energy known as “ether.”

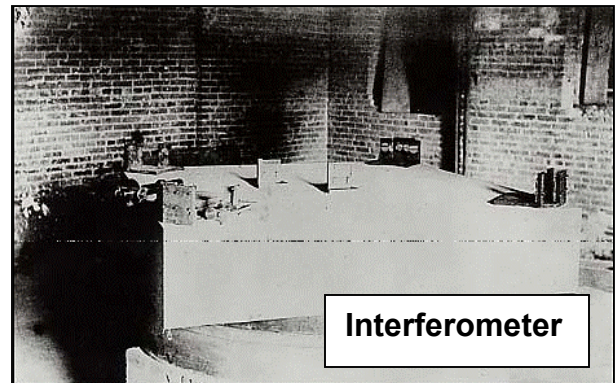
After all, if light is a wave or vibration, then what is it vibrating as a medium of transportation across the vacuum of the universe between galaxies, stars, and planets? The earliest experiment known as the famous *double slit experiment*, first done by Thomas Young in 1801 (shown below), reveals that



light can act as a wave or a particle depending on whether it is projected through two slits or one. If traveling through one slot only, light acts as a particle and creates only one image of a slot on the receiver plate. On the other hand, when going through two slots, it creates the interference band pattern wave shown above. Thus, light is now referred to as a wave-particle since it can be either. Now lets talk more about the disappearance of the ether of space.

The Death of Ether: Michelson and Morley

In 1887 Michelson and Morley built an interferometer, which is shown below, to measure the existence of ether. If ether existed then it should be able to be measured. In this interferometer, you shoot a beam of light at a beam splitter. The beam splitter splits the light into two parts, which each bounce off of their own mirror. The light is then recombined by the beam splitter and goes to a detector. Light is a wave, so when the path lengths are equal, the waves add to produce a bright spot at the detector. When the path length changes by only half a wavelength (which for visible light comes out to be about 250nm) the waves cancel each other to produce a dark spot.



Anyway, one of the beams should get back later than the other one due to the interference of the ether with the beam. However, this did not happen and scientist gave up on the existence of ether.

Relativity, Einstein and Ether

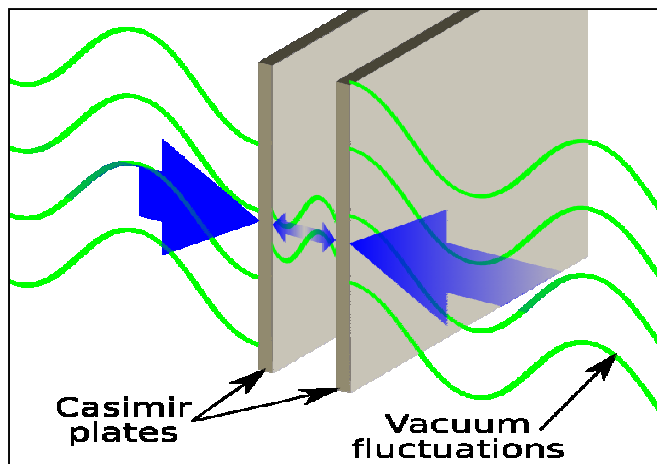
To his credit, Albert Einstein argued for the existence of the ether and insisted that his general theory of relativity demanded it. On May 5th, 1920, at the University of Leyden, during his lecture titled, *Ether and the Theory of Relativity*, Einstein

said, *According to the general theory of relativity space without ether is unthinkable; for in such space there not only would be no propagation of light, but also no possibility of existence for standards of space and time (measuring-rods and clocks), nor therefore any space-time intervals in the physical sense.*

As wonderful as this statement by Einstein was, it was not until 1948 when during an experiment involving a “vacuum” that the ether field rediscovered. It became known then as the Casimir Effect and is now called Zero Point Energy.

Ether Reborn: The Casimir Effect

In 1948, two metal plates were placed close together to each other in a virtual vacuum at near zero degrees; they were expected to remain exactly where they were. However, there were vacuum fluctuations in this “empty” space and it pushed the two plates toward each other. This was impossible. Michelson & Morley proved that the ether did not exist. How could this be? Einstein was right!

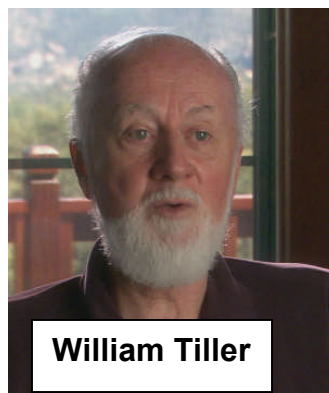


This form of energy broke all three laws of classical thermodynamics. The three laws of classical thermodynamics stated briefly are:

- (1) Energy can neither be created nor destroyed, only changed in form (conservation of energy).
- (2) Energy entropies and wears down over time. This is why our sun will someday burn out (being a closed system).
- (3) The more energy, the higher the temperature. Thus, at zero degrees Kelvin, there is no energy, which is a state that cannot be reached in theory but has been reached up to one millionth of a degree (nearly zero) in actuality.

Zero-Point Energy – Ether Resurrected

What was discovered was that there is no conservation of energy in this etheric field, the energy did not change, and the energy was isotropic, meaning, the same all over. The energy did not wear down or entropy, and it functioned at zero degrees Kelvin. This etheric field was thus named Zero-Point Energy among other names.



William Tiller

Dr. William A. Tiller of Stanford University has begun to measure the energy contained within the etheric space or alleged vacuum of space. You may find this startling. He says that within the *empty space* of one hydrogen atom is enough energy equal to one trillion

times the energy that is equal to all the stars and galaxies in a 20 billion light year radius He goes on to further state that the whole vacuum of space contains enough zero-point energy to equal several trillion times all the energy in the known physical universe (or 10^{94} grams of energy per cubic centimeter)! It should be noted that Nicola Tesla had already comprehended Zero-Point Energy ahead of everybody decades ago, but he was not understood. This is sometimes the price of genius and for being ahead of your time.

While other scientists are trying to find traditional ways of tapping into this endless supply of energy, Dr. Tiller is working on human intention. Yes, this energy responds to human intention. Thus, Dr. Tiller has designed UDE devices that are able to store human intention and cause various changes to the environment such as changing the temperature of a tank of water by one degree using only human meditative intention.

Conclusion and Summary

What I wanted to show in this newsletter was the fact that there is no energy crisis for the universe itself is full of energy. It is only our ignorance on how to access Zero-Point Energy and other technologies that is the real problem. Also, I wanted

to show you that this fabulous supply of energy responds to you and me by our spiritual, mental, and emotional intention. Science is proving why Jesus could multiply the five loaves and two fishes reported in the gospel story about him feeding of the 5,000 people. Yet, science by itself is not the complete answer.

True enough, some of us are like the apostle Peter trying to walk upon the water for the first time. Yet, most of us are like the other disciples still sitting in the boat waiting to see what happens to Peter. Will he drown, or will he be successful? Eventually, we must think outside our fishing boat of conventional wisdom and begin to develop ourselves in order to reach our full potential.

As for science, religion, and philosophy, there is no science, religion, or philosophy higher than the truth. The truth is greater than what these systems of knowledge can produce or comprehend. Therefore, I finish with this pithy quote from the arts:

*There are more things in heaven and earth,
Horatio, than are dreamt of in your philosophy.*
(Hamlet, Act I, Scene V., William Shakespeare).