

Presented by William Alek

intalek Research, LLC

October 5th, 2023 SEM 2023

## My Timeline:

- 1. 1977 While attending IIT Chicago engineering school, I was given by God a vision of my future I was constructing a full-size Anti-Gravity disk-shape craft.
- 2. 1979 I graduated with a BSEE Degree and began my professional career.
- 3. 1997 I attended a Tom Bearden conference on "Free Energy and Anti-Gravity."
- 4. 2022 I began lecturing about Tom's technology.

### Tom Bearden Quotes

- "All matter is made of trapped electromagnetic energy."
- "We can't see the dimension of time but, we know that time exits because of spatial displacement."

#### **ELECTRIC FORCE vs. GRAVITATIONAL FORCE**

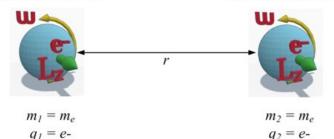
#### GIVEN:

Charge of electron, e- =  $1.60217733 \times 10^{-19} \text{ C}$ Permittivity of Free Space,  $\varepsilon_0 = 8.85418782 \times 10^{-12} \text{ F/m}$ Permeability of Free Space,  $\mu_0 = 4 \pi \times 10^{-7} \text{ H/m}$ Speed of Light,  $c = 2.99792458 \times 10^8 \text{ m/s}$ Mass of electron,  $m_e = 9.1093897 \times 10^{-31} \text{ kg}$ Gravitational Constant,  $G = 6.67430 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$ 



#### **ELECTRON 1:**

#### **ELECTRON 2:**



#### **ELECTRIC FORCE**

$$F_E = \frac{q_1 \times q_2}{4\pi\varepsilon_0 r^2}$$

#### **GRAVITATIONAL FORCE**

$$F_G = \frac{G m_1 m_2}{r^2}$$

#### WHICH FORCE IS LARGER?

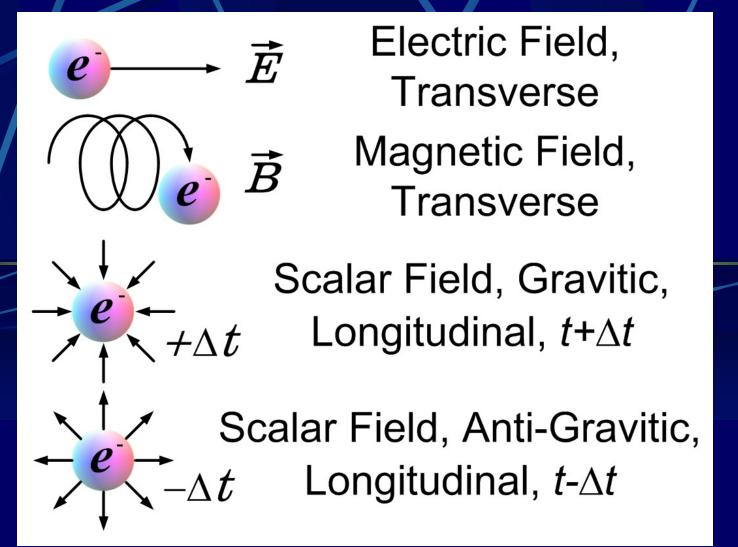
$$F_E : F_G$$

$$F_E = \frac{q_1 \times q_2}{4\pi\varepsilon_0 G m_1 m_2} F_G = \frac{e - \times e - e}{4\pi\varepsilon_0 G m_e^2} F_G$$

$$F_E = 4.16668831 \times 10^{42} F_G$$

IN COMPARISON, THE GRAVITATIONAL FORCE IS INCREDIBLY SMALL BUT, NOT ZERO.

# Is their a link between EM & Gravity/Anti-Gravity?



# Einstein's Unified Field Theory

- Einstein spent the rest of his life searching for a connection between EM Theory and the Scalar Field Theory.
- He failed.
- His Unified Field Theory (UFT) was a complete failure.

# Modern Science Discovered this Connection!

Yes, we call it: "SCALAR WAVES"

#### Tom Bearden's SCALAR WAVES:

They are best described as <u>Anti-Gravitational Waves</u> that have the properties of being both Time-Reversed and Longitudinal.

# How to Produce SCALAR WAVES:

CROSS PRODUCT: q<sub>1</sub> x q<sub>2</sub>



EQUAL in magnitude, but OPPOSITE in direction are EQUILIBRANT VECTORS (produce the Zero Vector) where,  $q_1 + -q_2 = 0$ , must be operated in resonance for the Scalar term to appear.

# Two Types of SCALAR WAVES are Produced Simultaneously:

- 1. Time-Reversed EM Transverse Wave.
  - 2. Time Reversed Gravity (or, Anti-Gravitational) Wave.

### SCALAR QUATERNION SOLUTION TOM BEARDEN'S SCALAR WAVE THEORY

OPPOSING VECTORS (EQUILIBRANT)

Vector Solution (Heaviside/Maxwell Electromagnetics):

Let 
$$q_n = ai + bj + ck$$

 $q_1 \times q_2 = 0$  vector

➤ ZERO VECTOR (EMPTY – FAILURE OF MAINSTREAM SCIENCE)

Quaternion Solution (Original Maxwell Electromagnetics):

Let 
$$q_n = w + ai + bj + ck$$

So, 
$$q_1 \times q_2 = a^2 + b^2 + c^2 + 0$$
 vector

Simplify: ZERO VECTOR ENTITY  $q_1 \times q_2 = A^2 + 0 \text{ vector}$ SCALAR ENTITY

Use a Sine Wave,  $sin (\omega t)$ :

Let  $q_1$ ,  $q_2 = A \sin(\omega t)$ So,  $q_1 \times q_2 = A^2 \sin^2(\omega t) + 0 \text{ vector}$ SCALAR WAVE

INSIDE

VACUUM ENGINE

SCALAR

ANTI-GRAVITATIONAL

LONGITUDINAL WAVE

THE SCALAR WAVE (sin² TERM) IS AN EM TIME-REVERSED TRANSVERSE WAVE FUNCTION. THE ZERO VECTOR VACUUM ENGINE PRODUCES AN ANTI-GRAVITATIONAL LONGITUDINAL WAVE.

# Oliver Heaviside Simplified James Maxwell's Electromagnetics in 1880s

#### THE FAILURE OF MODERN MAINSTREAM SCIENCE:

Heaviside/Maxwell Electromagnetics.

#### Oliver Heaviside:

In regards to the Scalar Component "Mystical, and should be murdered from the theory."

#### **Tom Bearden:**

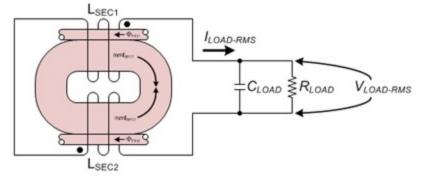
"Oliver Heaviside threw the Baby out with the Bath Water."

#### William Alek:

"The main reason why we don't have Star Trek today."

## HOW TO DETERMINE **RESONANCE:**

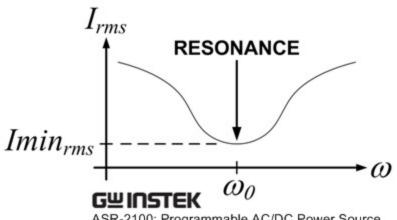
SFT BIFILAR-LIKE COIL OUTPUT ARRANGEMENT



PRODUCES OPPOSING MAGNETOMOTIVE FORCES SCALAR WAVE AT RESONANCE

©2022, Intalek Research, LLC

RESONANCE OCCURS AT **MINIMUM INPUT CURRENT:** 

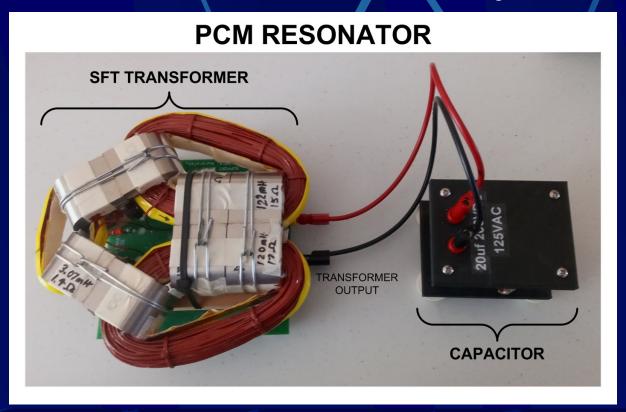


ASR-2100: Programmable AC/DC Power Source

PUMPING ACTION AT RESONANCE CREATES A PCM

### PCM RESONATORS

- Pumped Phase Conjugate Mirror or PCM.
- I filed a patent app on Dec 31st, 2020.
- Tom Bearden lectured on this Subject in 1990's.



## PCM RESONATORS

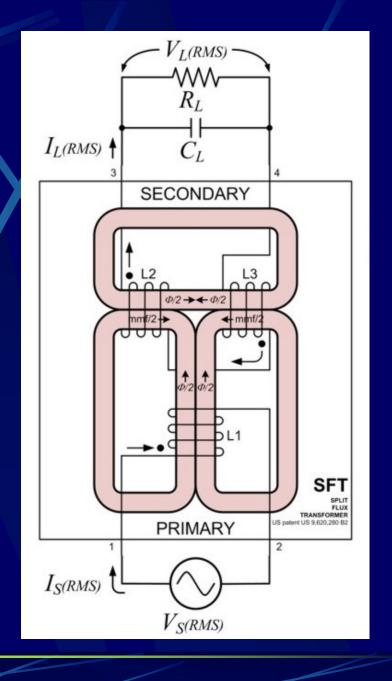
- Outputs a Time-Reversed Transverse EM Wave. The output becomes more efficient. Efficiencies can exceed 100%.
- The device outputs an Anti-Gravitational Wave. It decreases its' own Mass\*Acceleration effect. The weight can become negative or less than zero.

# Examples of PCM RESONATORS

- William Alek's Split-Flux Transformer.
- Nikola Tesla's Magnifying Transmitter.
- Stanley Meyer's Water Car.
- Metamaterial Resonators.

# The Split-Flux Transformer

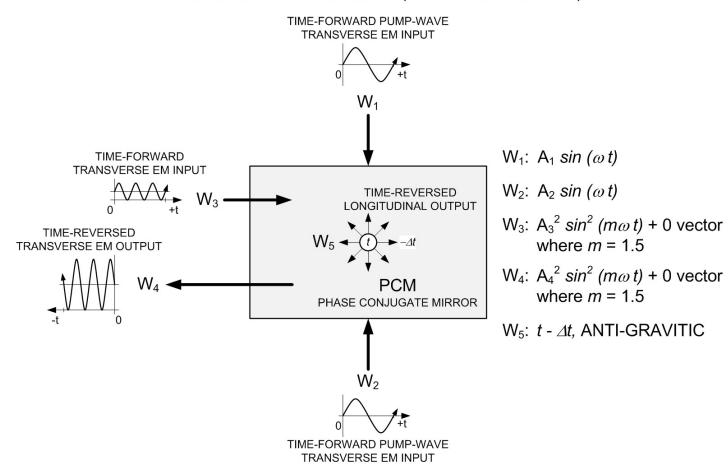
- INVENTOR: William Alek
- Energy Management System
- US Patent: US9620280B2
- YEAR FILED: 2015



### PCM RESONATORS

#### **4-WAVE MIXING PROCESS**

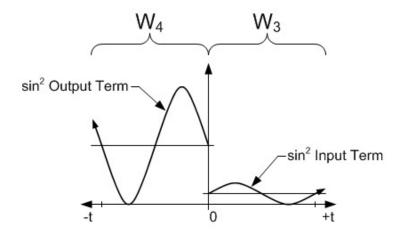
TRANSVERSE EM WAVE PUMPING CREATING
PHASE CONJUGATE MIRROR (PCM) +
LONGITUDINAL SCALAR WAVE (ANTI-GRAVITATIONAL)



## PCM RESONATORS

#### **PCM OUTPUT WAVE FUNCTION**

TIME-REVERSED TRANSVERSE EM WAVE (W<sub>4</sub>)



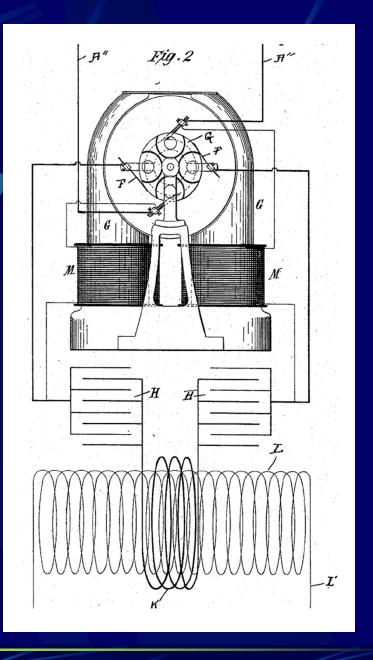
#### TIME-FORWARD INPUT (W3):

W<sub>3</sub>:  $A_3^2 \sin^2 (m\omega t) + 0$  vector where m = 1.5

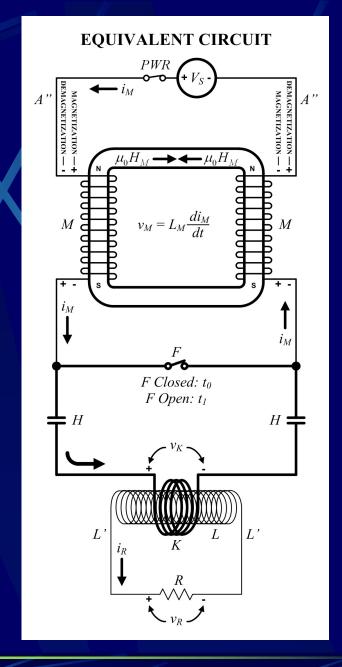
#### TIME-REVERSED OUTPUT (W4):

W<sub>4</sub>:  $A_4^2 \sin^2 (m\omega t) + 0$  vector where m = 1.5

- INVENTOR: Nikola Tesla
- TITLE: Magnifying Generator
- US PATENT: 568,176
- YEAR FILED: 1896



- INVENTOR: Nikola Tesla
- TITLE:Magnifying Generator
- US PATENT: 568,176
- YEAR FILED: 1896



- INVENTOR: Stanley Meyer
- TITLE: Water Fuel Cell
- Burn Water, not Gasoline.
- US PATENT: 5,149,407
- YEAR FILED: 1992

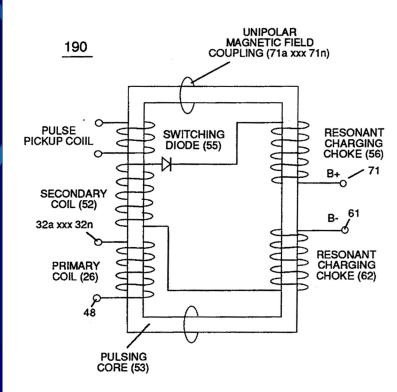


FIGURE 3-23: PULSING CORE CONFIGURATION

- INVENTOR: Stanley Meyer
- TITLE: Water Fuel Cell
- US PATENT: 5,149,407
- YEAR FILED: 1992

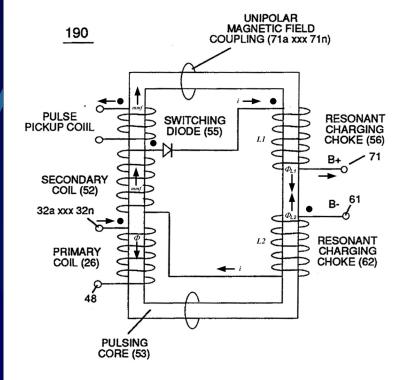


FIGURE 3-23: PULSING CORE CONFIGURATION

### What is Water Fuel?

- Also known as Hydroxy Gas, Oxyhydrogen Gas, HHO Gas, Electrically Expanded Water, or Brown's Gas.
- Highly flammable.
- Gas burns cold, 266°F or 130°C.
- But, can vaporize Tungsten, >10,000°F.
- Made using multi-plate electrolyzer and DC voltage & current.
- OBJECTIVE: Burn water, not gasoline.
- BOOK: WATER, The Key To New Energy, by Moray B. King, ISBN: 978-1-939149-90-9.

## What is Water Fuel?



#### RELATIVISTIC QUANTUM FIELD THEORY

https://www.youtube.com/watch?v=QPAxzr6ihu8

#### So, what is a particle?

A particle is the smallest possible vibration (quantum) of a quantum field

#### Particles with mass

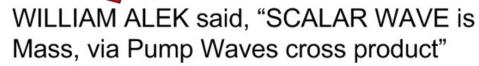
$$\frac{\partial^2 \Psi}{\partial t^2} - c^2 \frac{\partial^2 \Psi}{\partial x^2} = -(2\pi f_{min})^2 \Psi$$

$$m = \frac{hf_{min}}{c^2}$$

#### Massless particles

$$\frac{\partial^2 \Psi}{\partial t^2} - c^2 \frac{\partial^2 \Psi}{\partial x^2} = 0$$

$$m = 0$$



TOM BEARDEN said, "Matter is made of Trapped Electromagnetic Energy"

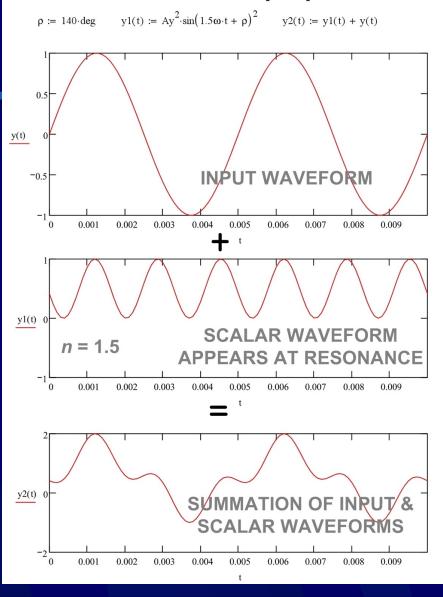
SCALAR WAVE TERM  $(2\pi f_{min}) \times (2\pi f_{min})$ 

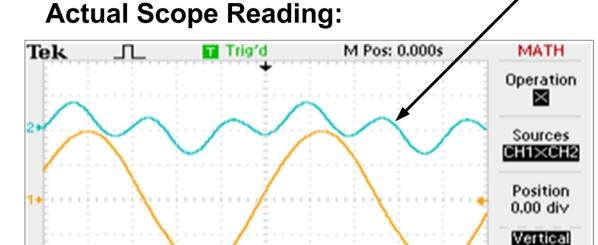
## SCALAR WAVE TEST BENCH



**SOFTWARE: Transformer Efficiency Calculator** 

#### MathCAD Model of q x q Solution:





21-Feb-21 12:17

TPS 2024B - 12:23:17 PM 2/21/2021

CH1 5.00VB<sub>W</sub> CH2 500mAB<sub>W</sub> M 1.00ms

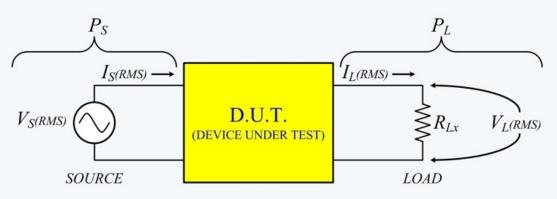
— BLUE TRACE:
INPUT CURRENT
SINE WAVE + SINE<sup>2</sup>
SCALAR WAVE TERM

Scale 2.00VA

CH1 / -200mV

189.996Hz

# DETERMINING TRANSFORMER EFFICIENCY USING AC CIRCUIT ANALYSIS



INPUT SOURCE POWER  $P_S$ PHASE ANGLE,  $\phi$  BETWEEN

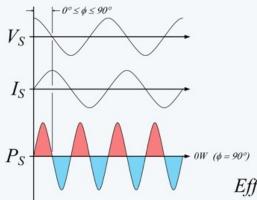
VOLTAGE AND CURRENT

WHAT

WE active Power (AA)

Real Power (M) =  $V_{(RMS)}$   $I_{(RMS)}$   $cos(\phi)$ 

INPUT SOURCE POWER  $P_S$ 



Given various load resistors:

$$R_{L1} = 98.4\Omega$$
  $R_{L2} = 49.5\Omega$   
 $R_{L3} = 24.4\Omega$   $R_{L4} = 10.3\Omega$ 

$$P_S = V_{S(RMS)} I_{S(RMS)} \cos(\phi)$$

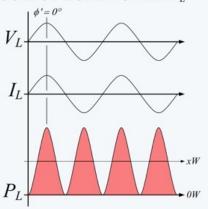
$$P_L = V_{L(RMS)} \ I_{L(RMS)} = \frac{(V_{L(RMS)})^2}{R_{Lx}}$$

$$COP = \frac{P_L}{P_S} \quad \text{conventional transformer}$$

$$COP = \frac{1000}{1000} \left( \frac{1000}{1000} \right) = \frac{1000}{1000} \left( \frac$$

 $Efficiency = COP \ x \ 100\% < 100\% \geq 100\%$ 

#### OUTPUT LOAD POWER $P_L$





**SOFTWARE: Transformer Efficiency Calculator** 

### Transformer Efficiency Calculator performs the following calculations:

To compute the Apparent Input Power (VA): ApparentInputPower = InputVoltage \* InputCurrent

To compute the Phase Real Input Power (Watts): RealInputPower = InputVoltage \* InputCurrent \* Cos(PHI)

To compute the Phase Reactive Input Power (VAR): ReactiveInputPower = InputVoltage \* InputCurrent \* Sin(PHI)

To compute the Input Phase Angle (Degrees):
PHI = Arccos(RealInputPower / (InputVoltage \* InputCurrent))

To compute the Inverse Cosine, Arccos(X): Arccos(X) = Atn(-X / Sqr(-X \* X + 1)) + 2 \* Atn(1)

To compute the Apparent Output Power (VA):
ApparentOutputPower = OutputVoltage \* OutputCurrent

To compute the Phase Real Output Power (Watts):
RealOutputPower = OutputVoltage \* OutputCurrent \* Cos(PHI2)

To compute the Phase Reactive Output Power (VAR): ReactiveOutputPower = OutputVoltage \* OutputCurrent \* Sin(PHI)

To compute the Output Phase Angle (Degrees):
PHI2 = Arccos(RealOutputPower / (OutputVoltage \* OutputCurrent))

To compute the Inverse Cosine, Arccos(X): Arccos(X) = Atn(-X / Sqr(-X \* X + 1)) + 2 \* Atn(1)

To compute the Load Resistor Real Output Power (Watts): ResistorRealOutputPower = (OutputVoltage)<sup>2</sup> / LoadResistor

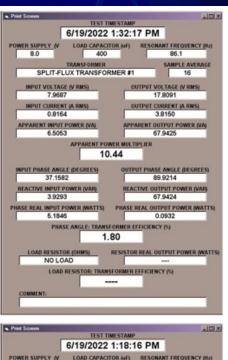
To compute the Apparent Power Multiplier (Unitless):
ApparentPowerMultiplier = ApparentOutputPower / ApparentInputPower

To compute the Apparent Power Multiplier Efficiency (Unitless):

ApparentPowerMultiplierEfficiency = (ApparentOutputPower / ApparentInputPower) \* 100

To compute the Phase Transformer Efficiency, (%): PhaseEfficiency = (RealOutputPower / RealInputPower) \* 100

To compute the Load Resistor Transformer Efficiency (%): LoadResistorEfficiency = (ResistorRealOutputPower / RealInputPower) \* 100

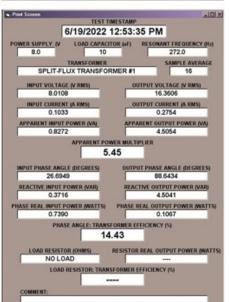




Print Screen	100
TEST TIMESTA	
6/19/2022 1:2	7:09 PM
POWER SUPPLY IV LOAD CAPACITOR (u 8.0 200	F) RESONANT FREQUENCY (Nz)
TRANSFORMER	SAMPLE AVERAGE
SPLIT-FLUX TRANSFORMER	#1 16
INPUT VOLTAGE (V RMS) 8.0463	OUTPUT VOLTAGE (V RMS) 17.4694
INPUT CURRENT (A RMS)  0.6724	OUTPUT CURRENT (A RMS) 2.3020
APPARENT INPUT POWER (VA) 5.4101	APPARENT OUTPUT POWER (VA) 40.2149
APPARENT POWER M	ULTIPLIER
7.43	1/2
INPUT PHASE ANGLE (DEGREES) 0	UTPUT PHASE ANGLE (DEGREES) 89.7740
REACTIVE INPUT POWER (VAR) 4.7326	REACTIVE OUTPUT POWER (VAR) 40.2146
PHASE REAL INPUT POWER (WATTS) PHA	SE REAL OUTPUT POWER (WATTS) 0.1586
PHASE ANGLE: TRANSFORM	ER EFFICIENCY (%)
LOAD RESISTOR (OHMS) RESISTOR (OHMS)	TOR REAL OUTPUT POWER (WATTS
LOAD RESISTOR: TRANSFORM	MER EFFICIENCY (%)
COMMENT:	The second second
COMMENT	





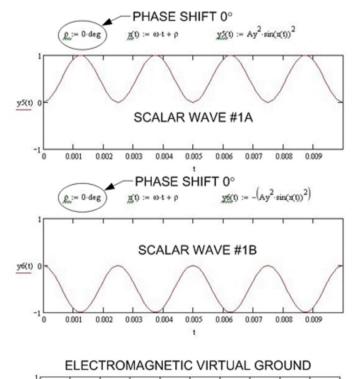


# Tom's Military Applications Revealed

- Scalar Wave Interferometry.
- Defense Application.
- Requires two ground-based Scalar Wave emitters.
- The region where two beams cross create a zone of a strong electromagnetic field.
- Destroy electronics within the target zone.

#### SCALAR WAVE INTERFEROMETRY

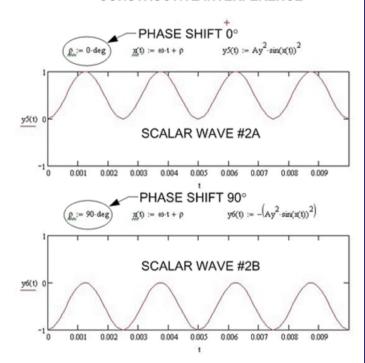
#### SCALAR WAVES #1A & #1B DESTRUCTIVE INTERFERENCE

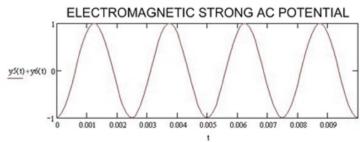


#### y5(t)+y6(t) 0 -1 0 0.001 0.002 0.003 0.004 0.005 0.006 0.007 0.008 0.009

©2022, Intalek Research, LLC.

#### SCALAR WAVES #2A & #2B CONSTRUCTIVE INTERFERENCE

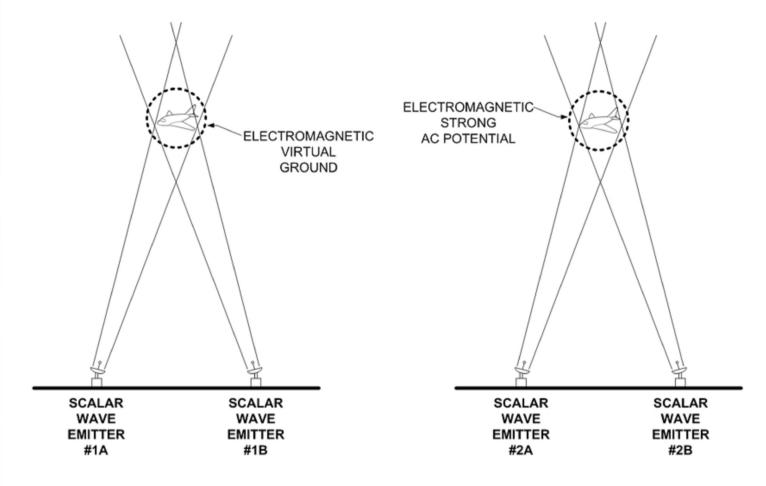




#### **SCALAR WAVE INTERFEROMETRY**

SCALAR WAVES #1A & #1B
DESTRUCTIVE INTERFERENCE

SCALAR WAVES #2A & #2B CONSTRUCTIVE INTERFERENCE



©2022, Intalek Research, LLC.

# Boyd Bushmann Experiment

In the mid 90's, Boyd performed a Drop Test Experiment with magnets in opposing configuration.

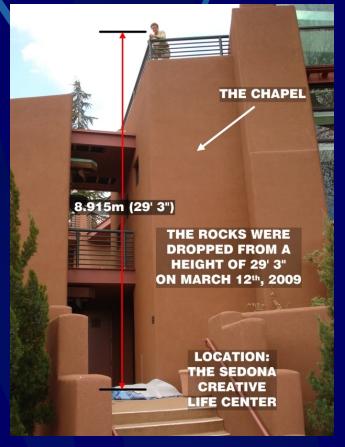
He observed opposing magnets fell slower than neutral control rock – a decrease in Mass \*

Acceleration Effect.

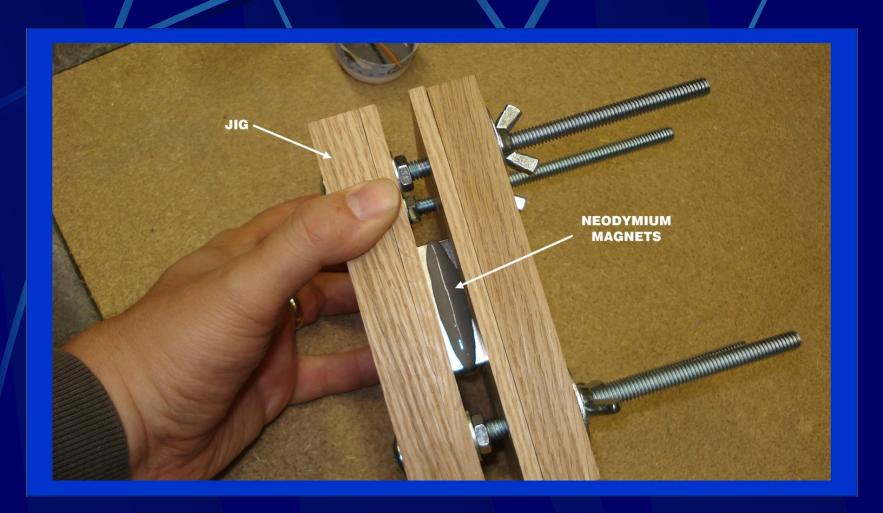


# William Alek Extended the Bushmann Experiment

- In 2009, William successfully replicated the Bushmann Drop Test Experiment and extended it using magnets in attractive configuration.
- He observed magnets in attractive configuration fell faster than neutral control rock an increase in Mass \* Acceleration Effect.

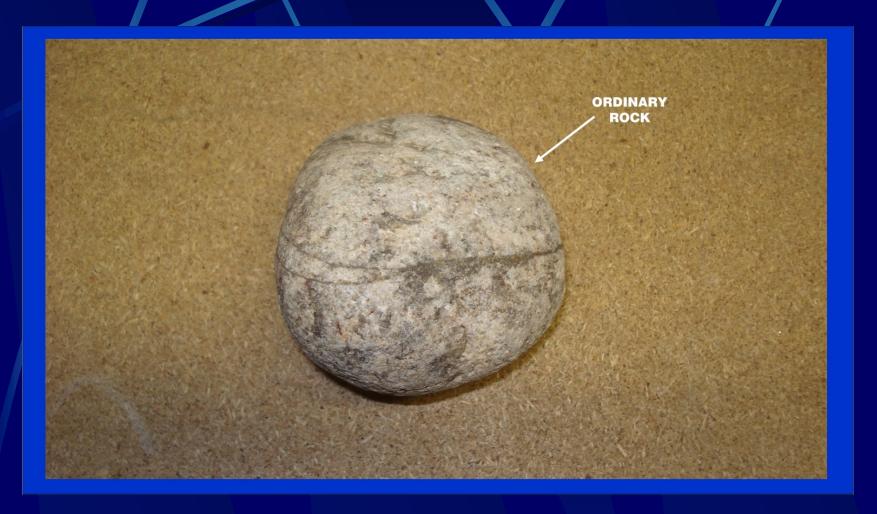


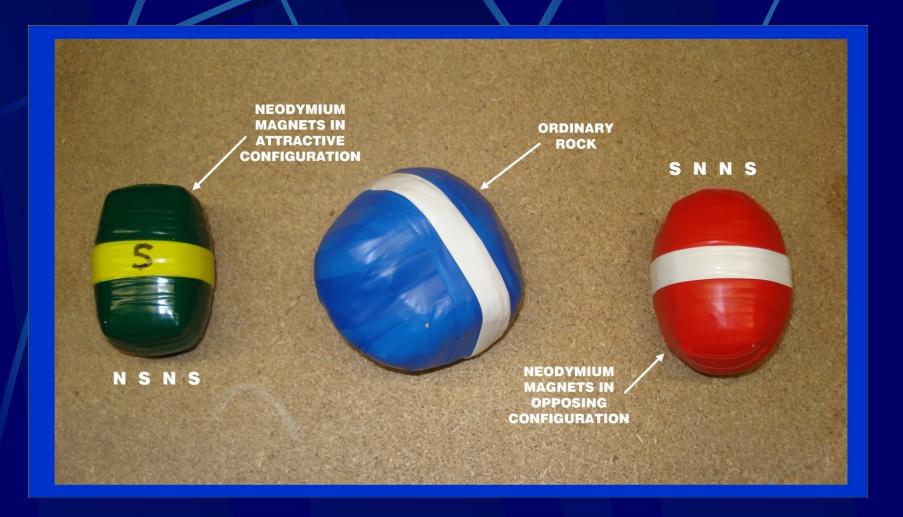


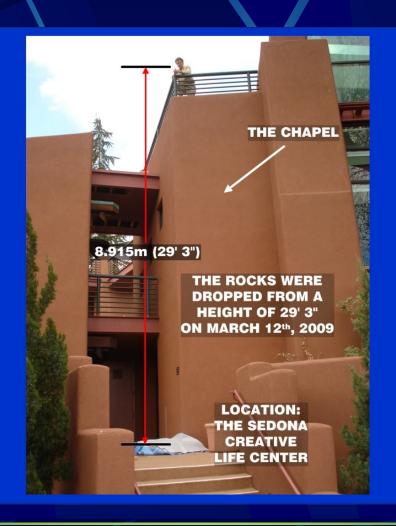






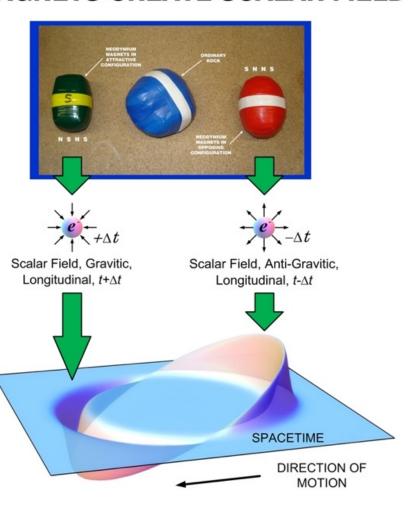






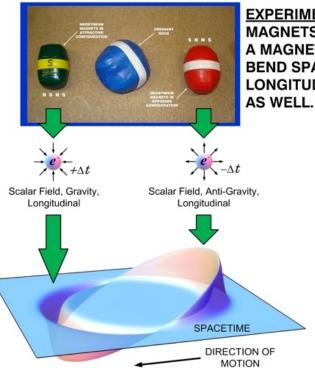
### Alcubierre Warp Drive

#### **MAGNETS CREATE SCALAR FIELD**



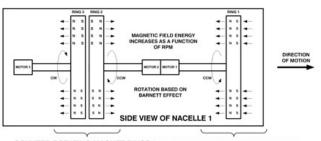
#### **ABA WARP DRIVE ENGINE PROPULSION TECHNOLOGY**

- 1. In the mid 90's, Boyd Bushmann, a Lockheed Skunkworks weapons developer, performed a Drop Test Experiment with magnets in opposing configuration.
- 2. He observed opposing magnets fell slower than a neutral control rock a decrease in Mass \* Acceleration Effect.
- 3. In 2009, William Alek successfully replicated the Bushmann Drop Test Experiment and extended it using magnets in attractive configuration.
- 4. He observed magnets in attractive configuration fell faster than a neutral control rock an increase in Mass \* Acceleration Effect.



**EXPERIMENTAL CONCLUSION:** MAGNETS NOT ONLY PRODUCE A MAGNETIC FIELD, BUT ALSO BEND SPACETIME. THEY EMIT A LONGITUDINAL SCALAR FIELD

#### SIDE VIEW OF **ALEK-BUSHMANN-ALCUBIERRE (ABA)** WARP DRIVE ENGINE

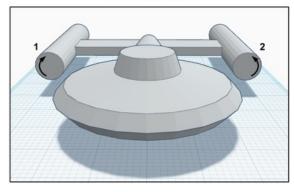


& 3 CAUSES POSITIVE SPACE-TIME CURVATURE

COUNTER-ROTATING MAGNET RINGS 2 ROTATING MAGNET RING 1 CAUSES NEGATIVE SPACE-TIME CURVATURE

#### DOUBLE NACELLES ARE USED:

MAGNETS COUNTER-ROTATE TO ELIMINATE P-FACTOR EFFECT







©2023, Intalek Research, LLC





#### SCALAR WAVE ANTI-GRAVITY TECHNOLOGY

INTALEK RESEARCH, LLC

ADDRESS: 6601 S. Tamiami Trail, Ste 336, Sarasota, FL 34231-4806

PHONE: 480-709-2866 INTERNET: https://www.intalek.com/

#### William S. Alek

President, CEO william.alek@intalek.com

- Time Reversal (Movie, TENET): https://www.youtube.com/watch?app=d esktop&v=AZGcmvrTX9M
- Bearden Psychotronics Lecture: <a href="https://www.youtube.com/watch?app=d">https://www.youtube.com/watch?app=d</a> <a href="esktop&v=7F9E6AANBpl">esktop&v=7F9E6AANBpl</a>

- Evolving Ideas:
  <a href="https://www.youtube.com/watch?v=Tpqr">https://www.youtube.com/watch?v=Tpqr</a>
  FFSECH4
- Tom Bearden Psychotronics Lecture on FREE Energy & Anti-Gravity: <a href="https://www.youtube.com/watch?app=d">https://www.youtube.com/watch?app=d</a> <a href="esktop&v=h8xhrw78utM&fb">esktop&v=h8xhrw78utM&fb</a>

- Scalar Physics:
  <a href="https://www.youtube.com/watch?app=d">https://www.youtube.com/watch?app=d</a>
  <a href="esktop&v=6uYoViFtJ04&fb">esktop&v=6uYoViFtJ04&fb</a>
- Steve Elswick interviews William Alek: https://www.youtube.com/watch?v=dAZ 8Y9j53o

Boyd Bushmann magnet drop experiment:

https://www.youtube.com/watch?v=MR8 0KV7axYU

- Presented by William Alek
- Intalek Research, LLC
- Website: <a href="https://www.intalek.com/">https://www.intalek.com/</a>
- Email: info@intalek.com