Steve Ryan on 60 Minutes

http://www.youtube.com/watch?v=POJQKg9CRJc
Cavitating Electrolyzers
The Key to “Over Unity”

Moray B King
HHO Device to ZPE Device

Cavitate the Water

Circulate the Water
HHO Device to ZPE Device

Cavitate the Water

Activates/Coheres Zero-Point Energy

Circulate the Water

Creates Turbulence

Electrostatic Charging

Builds Up Energy Content
Featured Inventor: Mark LeClair

Mechanical Engineer
Fluid Dynamics – Cavitation
Element Transmutation Experiment
Microscopic Water Crystal
Extraordinary Energy Density- ZPE

http://nanospireinc.com/
LeClair’s Water Crystal Similarities

• Ken Shoulder’s
  – EV Electrum Validum
  – EVO Exotic Vacuum Object

• S.V. Adamenko’s
  – Plasmoid Strikes
  – Super-Nucleosynthesis

• All Exhibit Element Transmutation
Explain Brown’s Gas

Excess Energy Anomalies
Not from Burning Hydrogen

Charged Water Gas Cluster:
LeClair’s Microscopic Water Crystal
Stabilized in a Ring Form
Water as Fuel (via ZPE)
Sterling Allan

HHO Games

HHO Games & Exposition, Inc.
A Florida Non-Profit Educational Organization
PROUDLY PRESENTS

2010 HHO SUMMER GAMES

http://hhogames.com/
YouTube: Water Fuel

Over 41,000 Videos

Chevron Technology Video
Chevron Is Using Steamfoboding to Extend the Oil Supply. Watch Video.
by Chevron | 14,815 views

PEM Electrolyser on sale - Start creating pure hydrogen gas
Visit www.H2Sunlight.com
by H2Sunlight | 50,131 views

Water Fuel Car
A CAR THAT RUNS ON WATER!
by Hefeweizen | 6 years ago | 3,652,152 views

Salt Water Fuel
An accidental discovery of salt water fuel while doing cancer research
by ChelseyTang | 5 years ago | 741,390 views

Water fuel.
This little engine has been retrofitted with a device that takes the waste heat from an engine and uses it to make hydrogen out of tap water. This ...
by eternastarsurfer | 6 years ago | 1,127,827 views
March Labs

25 LPM, 110 V, 18 A

http://www.marchlabs.com
B.E.S.T. Korea Co., LTD

http://www.browngas.com/eng_bestkorea/main_eng.htm
Bob Boyce

70 Plates
3 mm gap

http://www.bobboyce.org/

Dry Cell Kits

Gaskets Separate Plates
Anton Cell

1 mm Gap

http://anton-shop.com/
Anton Cell Feeds Water at Bottom

http://anton-shop.com/
Electrolyzer Wiring

Typical Wet Cell

Plates Completely Immersed

All Plates Connected

4 V
Electrolyzer Wiring

Typical Dry Cell

Floating plates are equipotential surfaces
Charged by electric polarization

+ 12 V -
Denny Klein in the News

http://www.youtube.com/watch?v=6Rb_rDkwGnU
Nearly Everyone Believes
The Energy is from Hydrogen
Energy Not from Hydrogen

• Big Anomalies:
  – Cool Flame that Vaporizes Tungsten
  – Alters Radioactivity
  – Transmutation

• Laboratory Analysis Find
  – Little Hydrogen
  – Gaseous Charged Water Clusters
Source: Zero-Point Energy

- Charged Water Gas Clusters
- Similar to Plasma Charge Clusters
- Self-Organized Matter-ZPE Conglomerate
- Microscopic Ball Lightning

Ken Shoulders
  - EV (Electrum Validum)
  - EVO (Exotic Vacuum Object)
Ball Lightning Plasmoid

Electron Spiral Torus

http://www.electronpowersystems.com/Technology
Helical Flow in Plasmoid Vortex Ring Filament

Force Free Vortex Yields Natural Stability

Ken Shoulders
Launching Charge Cluster


http://www.svn.net/krsdfs
Electrum Validum (EV)
Exotic Vacuum Object (EVO)

$10^{11}$ Electrons

$10^6$ Ions

e/m Ratio like electron

Contains excessive energy

Ken Shoulders, http://wwwsvn.net/krscfs
Charge Cluster Anomalies

- Electrically Polarized: Adhere to dielectrics
- Clumps into “Necklace Formations”
- Bores holes in ceramics (aluminum oxide)
- Carves Trenches
- Disruption of electron bonds appears like melting
- Element Transmutation
- Radioactivity Reduction

Ken Shoulders, http://wwwsvn.net/krcfs
Plasma Charge Clusters & Charged Water Gas Clusters

Exhibit the Same Anomalies
Brown’s Gas is Not Hydrogen Combustion

Energy is Stored in a Coherent Form
Cool Flame

130 deg C

http://www.youtube.com/watch?v=4wYY1V46YDQ
Does Not Boil Water

http://www.youtube.com/watch?v=wK85QQPAuiU
Vaporizes Tungsten

Melt 6192 deg F  Sublimate 10031 deg F

http://www.youtube.com/watch?v=NQ0yQKI6M-Q
## Temperatures

### Tungsten
- **Melt**: 6192 F, 3422 C
- **Vaporize**: 10031 F, 5555 C

### Browns Gas
- **Temperature**: 266 F, 130 C

### Torches
- **Acetylene**: 5972 F, 3300 C
- **Hydrogen arc**: 7232 F, 4000 C
- **Cyanogen**: 8477 F, 4525 C
- **Dicyanacetylene**: 9009 F, 4987 C
Burning Hydrogen Cannot Explain This

Another Energetic Gas is Present

Empirical Evidence
Balloon Test

Fill balloon with gas
Wait, (hydrogen leaks away)
Balloon falls to ground

Still exhibits balloon torch
Paper Bag Test

Fill paper bag with gas.
Seal bag shut.
Wait 12 hours, hydrogen vents away.
Open bag.
Heavier than air gas remains.
Gas can be ignited.
Glass Pouring Test

Gas is heavier than air.
It can be poured from one glass to another.
Ignite gas at bottom of glass.
George Wiseman

Electrically Expanded Water

Burns downward in an imploding ring

Action Item: Chemistry Departments

• Create Brown’s Gas
• Vent Away the Hydrogen
• Does Remaining Gas “Burn?”
• What is it?
Brown’s Gas Measurements
Chris Eckman

Electron Density (EDMA)

• Not Diatomic Hydrogen
• Not Monoatomic Hydrogen
• Gaseous Water with Excess Electrons

Thermal Imaging (InfraCAM SD)

• Flame Temperature 130 C (266 F)

Brown’s Gas Information

http://eagle-research.com
Wiseman: Middle Bubbles

Charged Water Gas Clusters

Hydrogen

Oxygen

Bob Boyce: Two Colliding Jets

Charged Water Gas Clusters

- Hydrogen

+ Oxygen
Suartt & Gourley: Harvest Middle Bubbles

- Hydrogen

Charged Water Gas Clusters

+ Oxygen

http://www.wateriontechnologies.com
SG Gas
Extract Pure Water Gas

Rhodes and Brown’s gas are "dirty cocktails" with mixtures of gases including H₂ or O₂

http://www.wateriontechnologies.com
Brown’s Gas Anomalies

- Adheres to matter (electrically polarized)
- Electric shock
- Implodes instead of explodes
- Cool flame
- Sublimates tungsten
- Cuts cleanly through wood, metal, ceramics
- Claims of neutralizing radioactive waste
- Claims of element transmutation


George Wiseman, [http://eagle-research.com](http://eagle-research.com)
Vernon Roth

Produced Element Transmutation Within His Electrolysis Cell

Mark LeClair Explains

How Water Cavitation
 Creates Microscopic Craters
 Carves Trenches
 Transmutes Elements
 Manifests Excess Energy
Sonoluminescence

Water + Argon or Xenon

Ultrasonic Excitation

Blue Light: If Thermal > 10,000 K

Abrupt Scalar Compression

ZPE Coherence

http://en.wikipedia.org/wiki/Sonoluminescence
Torus Cavitation Bubble

Forms Near Surface

http://nanospireinc.com/
Collapsing Cavitation Bubble

Launches Reentrant Jet

http://nanospireinc.com/
Sonofusion

Roger Stringham

http://sonofusionjets.com/
Reentrant Jet Formation

Internal Pressure: Over 300000 psi

New Solid State: Macro-ionic Water Crystal
Reentrant Jet  Water Crystal

Plasma Bow Shock Wave: ZPE Coherence

Mark LeClair  http://nanospireinc.com/
“Method and Apparatus for the Controlled Formation of Cavitation Bubbles”

Controlled Cavitation

Laser Strike

Expanding Bubble

Asymmetric Collapse

Torus Reentrant Jet

Accelerates through hole

Mark LeClair, US Patents 6,960,307 and 7,517,430
Target Cavitation

Two Laser Pulses
Out of phase

Expanding Bubbles

Asymmetric Collapse

Torus Reentrant Jets

Large Jet Targets
Smaller Bubble

Mark LeClair, US Patents 6,932,914 and 7,297,288
LeClair Controls Reentrant Jet

http://nanospireinc.com/
Pistol Shrimp

http://www.youtube.com/watch?v=eKPrGxB1Kzc
Propeller Cavitation

http://www.ionizationx.com/index.php/topic,1239.5.html
Cavitation Erosion

http://www.ionizationx.com/index.php/topic,1239.5.html
Reentrant Jet  Water Crystal

Hexagonal Form          Linear Axis

Mark LeClair  http://nanospireinc.com/
Water Crystal Structure

Down Axis: Covalent Bonds

Across Plane: Hydrogen Bonds

Mark LeClair  http://nanospireinc.com/
Water Crystal Structure 3D

Mark LeClair  http://nanospireinc.com/
Macroionic Water Crystal Imprint

Mark LeClair  http://nanospireinc.com/
Reentrant Jet Characteristics

- Velocity: 1500 m/s Up to Mach 4
- Pressure: > 100,000 psi
- Water Crystal
  - Axis: Linear HOHOHOHOHO...
  - Shape: Trigonal, Hexagonal
  - Head: Positively Charged
  - Tail: Negatively Charged
- Head: Plasma Bow Shock
  - Creates Craters
  - Carves Trenches
  - Self-Accelerates

Shoulders’ EVO Does Likewise
LeClair Effect

Bow Shock – ZPE Coherence
Like Shoulder’s EVO
Manifests Self-Acceleration
Causes Nuclear Reactions
Water Crystal Carves Trenches
Aluminum Oxide

Mark LeClair  http://nanospireinc.com/
Mark LeClair’s
Transmutation Experiment
Assembly Components

Pump

Aluminum Veneer
Has Decorative Holes

Mark LeClair  http://nanospireinc.com/
Assembled Apparatus

Aluminum Veneer

Pump

Mark LeClair  http://nanospireinc.com/
Experimental Setup

Aluminum Veneer

25 gpm Pump
Starved to 0.5 gpm
Loud Squeal: 5 – 7 KHz

Mark LeClair  http://nanospireinc.com/
Aluminum Veneer

Transmuted Elements on Surface
Carbon in Diamond Form (white blotch)

Mark LeClair  http://nanospireinc.com/
Nucleosynthesis

Mark LeClair

http://nanospireinc.com/
Rare Isotopes

Experiment vs Natural Abundance Ratios Of Heavier/Lighter Detected

Multiples of Helium Nucleus

Mark LeClair

http://nanospireinc.com/
EVO & Plasmoid Strikes

Also Exhibit Transmuted Isotopes across the Periodic Table

Akin to Nucleosynthesis in a Supernova
Low Voltage Transmutation

Ken Shoulders

http://wwwsvn.net/krcfs/ICCF-10+Low+Voltage+Nuclear+Transmutation.pdf
Nucleosynthesis

Adamenko, et al.

Nucleosynthesis

Adamenko, et al.

Annual Conferences in Russia

The 16th Russian Conference on Cold Nuclear Transmutation and Ball-Lightning (RCCNT&BL-16)

Dagomys, Sochi, Russia

June 1 - June 8, 2009

RCCNT&BL-16 INVITATION Download

PROGRAM COMMITTEE of RCCNT&BL-16

ORGANIZING COMMITTEE of RCCNT&BL-16

RESOLUTION of RCCNT&BL-16

PROGRAM & ABSTRACTS of RCCNT&BL-16

http://www.iscmns.org/rccnt16/
Action Item: Physics Departments

- Repeat LeClair’s Transmutation Experiment
- Measure New Isotopes
- Ask Colleagues to Replicate
How Does Cavitation Relate to Brown’s Gas?

Collapsing Bubble Launches Reentrant Jet
Reentrant Jet Water Crystal

Axis Linear Chains

…HOHOHOHOHOHOHOHOHOHOHO…
Chris Eckman

Plasma Orbital Expansion of the Electrons in Water

Linear Water Isomer with Extra Electrons

Proc. NPA, vol. 6, no. 2 (2010)
Chris Eckman

Plasma Orbital Expansion of the Electrons in Water

Linear Water Stable in Rydberg Cluster

Proc. NPA, vol. 6, no. 2 (2010)
Rydberg Matter

Meta-stable Cold Plasma

D orbital electrons - high energy state

Linear Chains
Along Axis of Water Crystal

How can its energy be captured?
Long Water Crystal Can
Close Into Loop

Positive Head Attaches to Negative Tail
To Form Water Crystal Ring

Large Ring is Unstable
Fractal Decay into Smaller Rings

Like Decomposing Vortex Ring
Small Ring: Seed of Water Cluster Gas

Stable Under 0.5 Microns

Mark LeClair  http://nanospireinc.com/
Water Crystal Collisions

Produce Small Ring,
Water Cluster Seeds
Two Approaching Water Crystal Jets
Two Approaching Water Crystal Jets
Two Approaching Water Crystal Jets
Two Approaching Water Crystal Jets

Attract Head to Tail
Shear Collision

Spirals Into Vortex
Shear Collision Debris

Small Water Crystal Rings
Small Water Crystal Ring

Electrons held in d orbitals – Rydberg Matter
Small Water Crystal Ring

Electrons in Outer d Orbitals

Meta-Stable Torus Form
Breaking the Ring

Re-launches Water Crystal

Coherent ZPE Bow Shock Causes
LeClair Effect, Nuclear Reactions

http://nanospireinc.com/
When Ignited
Ring Converts to EVO

Water Crystal Ring

Plasmoid
How to Cavitate
How to Cavitate

- Electrolysis Gas in tight gaps
- Venturi Vacuum
- Blow Air through Gaps
- Oscillate Electric Field, PWM
- Vibrate Mechanically
- Sonic, Ultrasonic
- Cavitating Pumps, Vortex Action
How to Cavitate

Electrolysis Gas in Narrow Gaps
Electrodes Have Rough Surface
Paul Zigouras

Electrolyzer

http://www.panacea-bocaf.org/paulzigouras.htm
Zigouras Electrodes

316L Stainless Steel Plates
Spacing 0.6 mm

Zigouras Sand Blasting

45 Degree Angle

40 – 45 Grit Silicon Carbide

Makes Barbed Sharp Edge Craters

316L Stainless Steel Plate
Zigouras Media Blaster
Zigouras Electrodes

Walter McNichols

http://www.youtube.com/watch?v=dkT9TpdIVzs
Vacuum of Venturi Feed

How to Cavitate

Blow Air Through Gaps
Archie Blue

U.S. Patent 4,124,463   (1978)

Blow air through electrolyzer

Holes in plates (not shown)

Peter Lowrie

http://waterpoweredcar.com/archieblue.html
How to Cavitate

Mechanical Vibration
Ohmasa Gas

Torch

Runs Engine

Mechanical Vibration 100 Hz

Parallel Plate Electrolyzer

Stored gas under pressure, 2 years

Ohmasa Gas

White smoke is generated by electrifying water.

http://www.youtube.com/watch?v=NUPE0Z9V82E
How to Cavitate

Oscillating Electric Field
Xogen Power, Inc.
Xogen Technologies, Inc.

http://www.xogen.ca
Stephen Barrie Chambers

**U.S. Patents:**

- 6,126,794 (2000)
- 6,419,815 (2002)
- 6,790,324 (2004)

**Xogen Power Inc.**
Toroidal Coil

Under Water
1500 turns
19 Hz

Induced Electric Field

$$E = - \frac{\partial A}{\partial t}$$

Charge water clusters oscillate with E field

Causes turbulence in water
How to Cavitate

Sonic, Ultrasonic Vibrations
Freddy Wells

Vibrate Pipe Electrodes
Acoustically
Inner & Outer Pipes Tuned
Identically

Ran 2004 Dodge Truck

How to Cavitate

Cavitating Pumps

Vortex Implosion
James Griggs
Hydrosonic Pump

Water Heater
Overly Efficient
130%

Barbed Edge
Bore Holes Cause Cavitation


http://www.rexresearch.com/griggs/griggs.htm
John W Keely

Hydro Vacuo Engine

Patent Filed 1872

Based on Water Hammer

Bulbs are Pulsating Chambers

Dale Pond  http://www.svpvril.com/JKMot2.html
Viktor Schauburger

1885 - 1958

Water Jet Turbine
Austrian Patent 117,749 (1930)

http://www.frank.germano.com/theschaubergerpage.htm
Richard Clem Engine

http://keelynet.com/energy/clem1.htm
Vortex Imploder

Dan Winter

http://www.fractalfield.com/
http://theimploder.com/products/imploder-shower-nozzle
Biokavitus (Bio Cavitation)

Andrea Rampado

Enhanced Plant Growth
Water Purification
Separate Oil from Water
Nuclear Remediation

Venturi Shower Head

Sterling Allan  
http://pesn.com/2011/11/05/9501947_Cavitation_as_a_Purification_Panacea/
Circulate Water

To Both Cavitate It
And Charge It by

Electrostatic Rubbing
T.V. Prevenslik
Bubbles and Steam Electricity

http://www.esdjournal.com/techpapr/prevens/previndx.htm
T.V. Prevenslik
Bubbles and Steam Electricity

- Steam Electricity
- Waterfall Ionization
- Sonoluminescence
- Thunder Cloud Charge Separation

http://www.esdjournal.com/techpapr/prevens/previndx.htm
Thundercloud Dynamics

Van de Graaff Generator

- pointed electrode produces charge by friction or high voltage
- plastic roller
- rubber belt
- spherical metal cover
- charge taken by pointed electrode
- Comb

Comb
Circulating Water Electrolyzer
Like
Van de Graaff Generator

- Distilled water acts as dielectric belt
- Rough conductive plates act as combs
Water Turbulence
Flow Across Bottom

Electrolyzer

Pump

Gas

Reservoir
Rapidly Circulate Water

- Spark Arrestors
- Reservoir
- Gas
- Cavitating Pump
- Electrolyzer
Reed Cavitation

Reservoir

Pump

Electrolyzer

Circulate through Narrow Gaps Plates Vibrate

Gas
Goal:

Make Self-Running System

Prove New Energy Source
Closed Loop System

Self Running

Motor -> Generator -> Storage Capacitor -> Switching Regulator

Electrolyzer

Pulse Driver Circuit

Frequency Shifter

D.C. Port
Action Item: Inventors

- Make Closed-Loop, Self-Running System
- Prove Discovery of New Energy Source
- Share Information on Web
Two Teams Succeeded
HybridTech Releases Plans

3.25 KW Troy-Bilt Generator
Self-running for 20 minutes
6 liters/minute HHO
12.5 V DC 30 amps
Extra loads:
  Light bulbs
  Power drill

Steven Eaton

Concentric Cylinder Electrodes

6 inches high  1/2 inch outer  3/8 inch inner  1/32 inch gap

Sokol, *You Can Turn Water into Fire*, p 90
Eaton Cell Wiring

Sokol, *You Can Turn Water into Fire*, p 81
Eaton Cell
Concentric Cylinder Electrodes

1/32 inch gap

Sokol, *You Can Turn Water into Fire*, p 87
Eaton Cell
Spiral Monofilament Line
Can induce vortex flow
Sokol, *You Can Turn Water into Fire*, p 87
Eaton’s Large Cell

16 inches

Sokol, *You Can Turn Water into Fire*, p 96
Eaton Cells

Sokol, *You Can Turn Water into Fire*, p 98
Oliver & Valentin
Closed-Loop, Self-Running, HHO System

Anton Cell

1 mm Gap

http://anton-shop.com/
Oliver & Valentin

Self-running for 8 minutes

Rode on elevator

http://www.youtube.com/watch?v=cMLciNOyo_U
Oliver & Valentin
Finale

Stefan Hartmann
http://www.youtube.com/watch?v=uQ9fyam4whg
Summary
Summary: Electrolyzer

- **Electrodes**
  - Rough, Clean Surface
  - Small Gaps (< 1mm)
  - Causes Turbulence, Cavitation

- **Electrical Stimulation**
  - Pulsed Waveforms
  - Minimize Current and Electrolyte
  - Frictional Rubbing via Circulation
Summary: Cavitation

- Bubble Collapses
- Reentrant Jet
- Water Crystal
- Closed Rings
- Stable Torus
- Coherent Energy
- LeClair Effect
Summary: How to Cavitate

- Electrolysis Gas in Narrow Gap
- Blow Air
- Venturi Vacuum
- Vibrations
  - Mechanical
  - Acoustical: Sonic, Ultasonic
  - Oscillate Electric Field
    - Toroidal Coil
    - Pulsed Waveform
Summary: Circulation

- Water Charged by Rubbing
- Turbulence, Cavitation
- Vibrate Plates: Reed Cavitation
- Recycling Water Integrates Energy Content
Action Items

• Chemistry Departments:
  – Make Brown’s Gas --- Remove Hydrogen
  – What is the water cluster gas?

• Physics Departments:
  – Repeat LeClair’s Transmutation Experiment
  – Measure Isotopes

• Inventors:
  – Make Self-Running Systems
    • Electrolyzer -- Generators
Share Information

Make A New World
Cavitation Bubble Collapses into Torus

An Archetype Form
Thrive Movement

http://www.thrivemovement.com/
Questions?

Download this presentation from


Google: Water Fuel ZPE