



Charged Water Gas Electrolyzers

Moray B. King

Cluster Map of Web Hits



Google: water fuel

<http://www.waterforfuel.com>

<http://www.panacea-bocaf.org>

<http://www.waterfuelconverters.com>

<http://www.h2earth.org>

<http://www.waterfuelcell.org>

<http://peswiki.com>

YouTube: HHO

You Tube Broadcast Yourself™
Worldwide | English



“HHO” results 1 - 20 of about 12,400

All Channels Playlists

Sort by: Relevance ▼ Uploaded: Anytime ▼

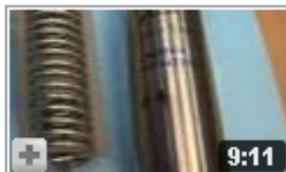
Also try: [hho generator](#) [hho gas](#) [hydrogen fuel cell](#) [oscilloscope](#) [brown gas](#) [hho fuel](#) [hho car](#)



HHO Mythbusters Explained

This video explains why the Mythbusters failed at their attempt to run a car on water.
[hhoh2o.org](#)

★★★★☆ 1 year ago 144,014 views [mikeyidh](#)



HHO SWISS INOX 4 SPIRAL CELL + GAS PRODUCTION TESTS

New spiral cell + test of all cells. The spiral is handmade and absorbs about 32 amps (12 volts) and when I have the casing active it goes to 44 ...

★★★★★ 1 year ago 117,180 views [ammanninox](#)

Playlist Results for HHO



Zero's VSPB HHO Cell Tutorial (play all)

#54 tall HHO bubbler construction details (6:59)

#55 HHO bubbler final assy (5:48)

#92 EM Hybrid VSPB HHO cell (3:28)

26 videos [ZeroFossilFuel](#)

Water as Fuel (via ZPE)

Sterling Allan



[Play](#)

[http://peswiki.com/index.php/Video:Water_as_Fuel_\(via_ZPE\)](http://peswiki.com/index.php/Video:Water_as_Fuel_(via_ZPE))



Names for the Gas

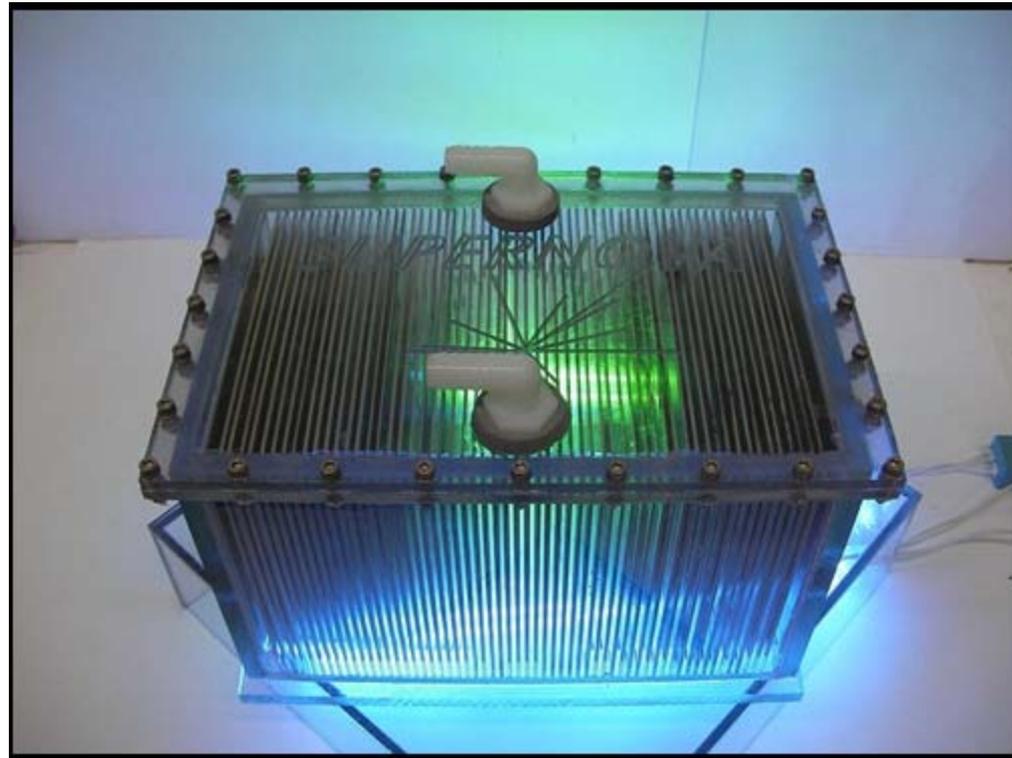
- Brown's Gas
- Stoichiometric Mixture H_2 and O_2
- HHO Gas (Atomic hydrogen, oxygen)
- Hydroxy
- “Electrically Expanded” Water
- Charged Water Gas Clusters

Wide open for other names...

Parallel Plate Electrolyzer



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

Denny Klein in the News



[Play](#)

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
- **Laboratory Analysis Find**
 - Little Hydrogen
 - Gaseous Charged Water Clusters



Source: **Zero-Point Energy**

- Charged Water Gas Clusters
- Similar to Plasma Charge Clusters
- Microscopic Ball Lightning

Ken Shoulders

- EV (Electrum Validum)
 - EVO (Exotic Vacuum Object)
-
- Cavity Quantum Electrodynamics (QED)



Net Energy Gain

- Condition Electrode Surface
 - Rough, sharp, pointy
 - White powdery layer (oxide?)
- Small gap between electrodes ($< 1\text{mm}$)
- No Electrolyte
- Low Current
- Pulsing Voltage



Huge Energy Gain

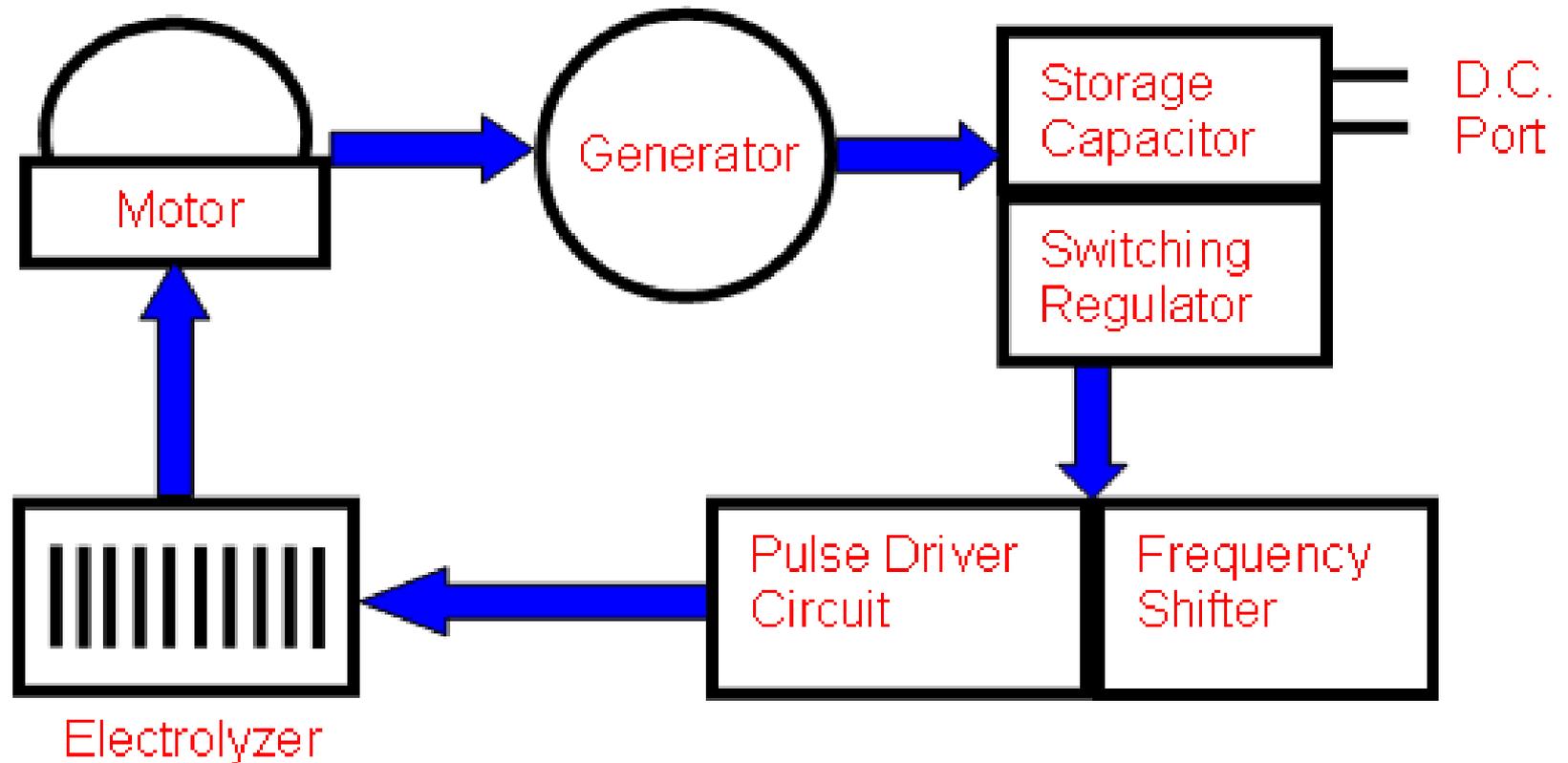
- **Explosive Emission Mixture**
 - Water Mist
 - Ionized Air
 - Inert Gas
- **Stan Meyer Water Injector Plug**



Goal

- **Minimize input power**
- **Maximize gas production**

Closed Loop System



Self Running



Featured Researchers

- Yull Brown
- Ken Shoulders
- George Wiseman
- Chris Eckman
- T.V. Prevenslik
- Horace Heffner
- Bob Boyce
- Stan Meyer
- Stephen Chambers
- Paul Zigouras
- Dave Lawton
- Ravi Raju
- Patrick Kelly



Patrick J. Kelly

Practical Guide to Free-Energy Devices

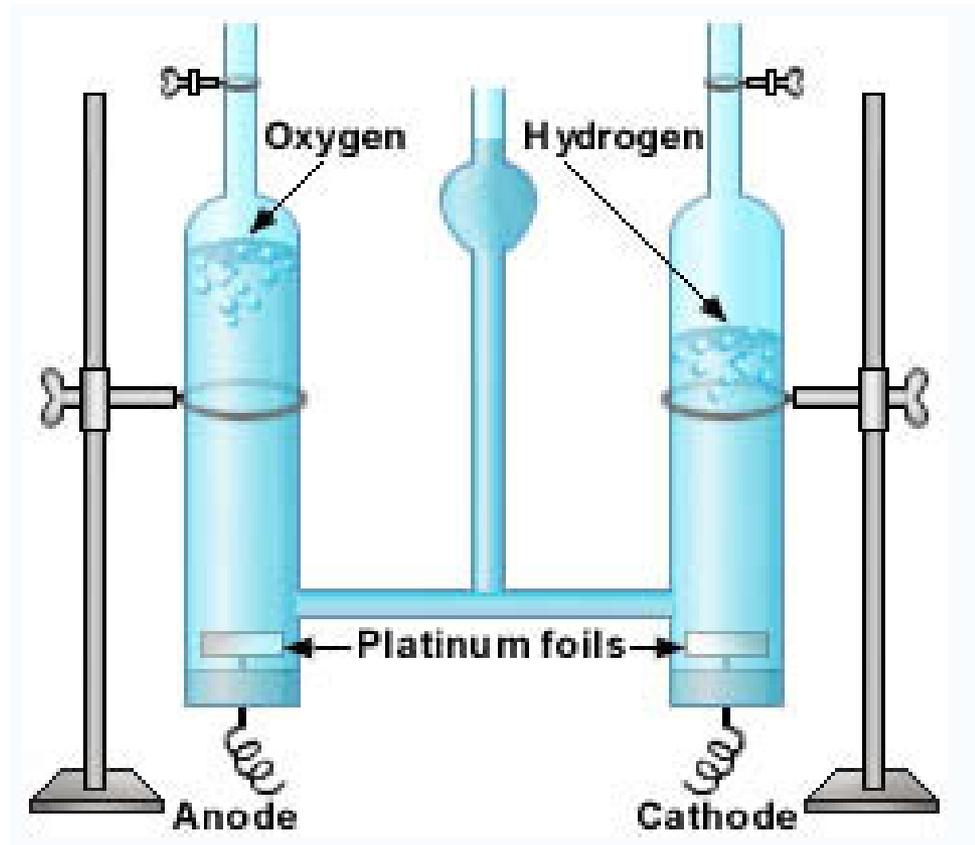
- Free e-book online
- Well written
- Technical details
- 1700 pages
- 20 MB download
- Chapter 10 Vehicle Systems

<http://www.free-energy-info.co.uk/>



Energy Gain is Not From Hydrogen

Electrolysis

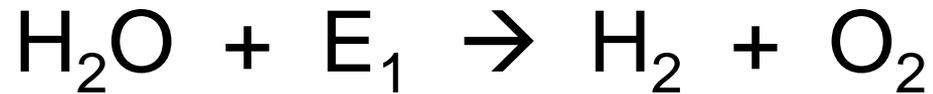


Cannot Yield Excess Energy

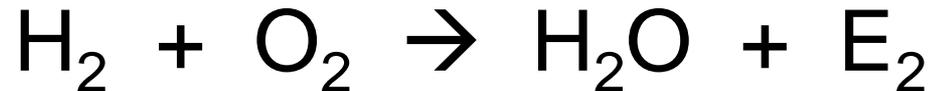


Violates Thermodynamics

Electrolysis:



Combustion:

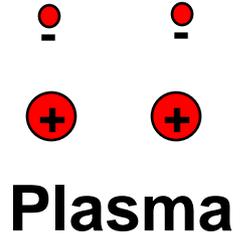
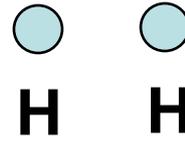
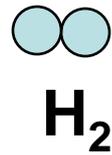
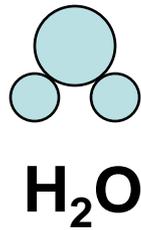


Energy:

$$E_1 > E_2$$

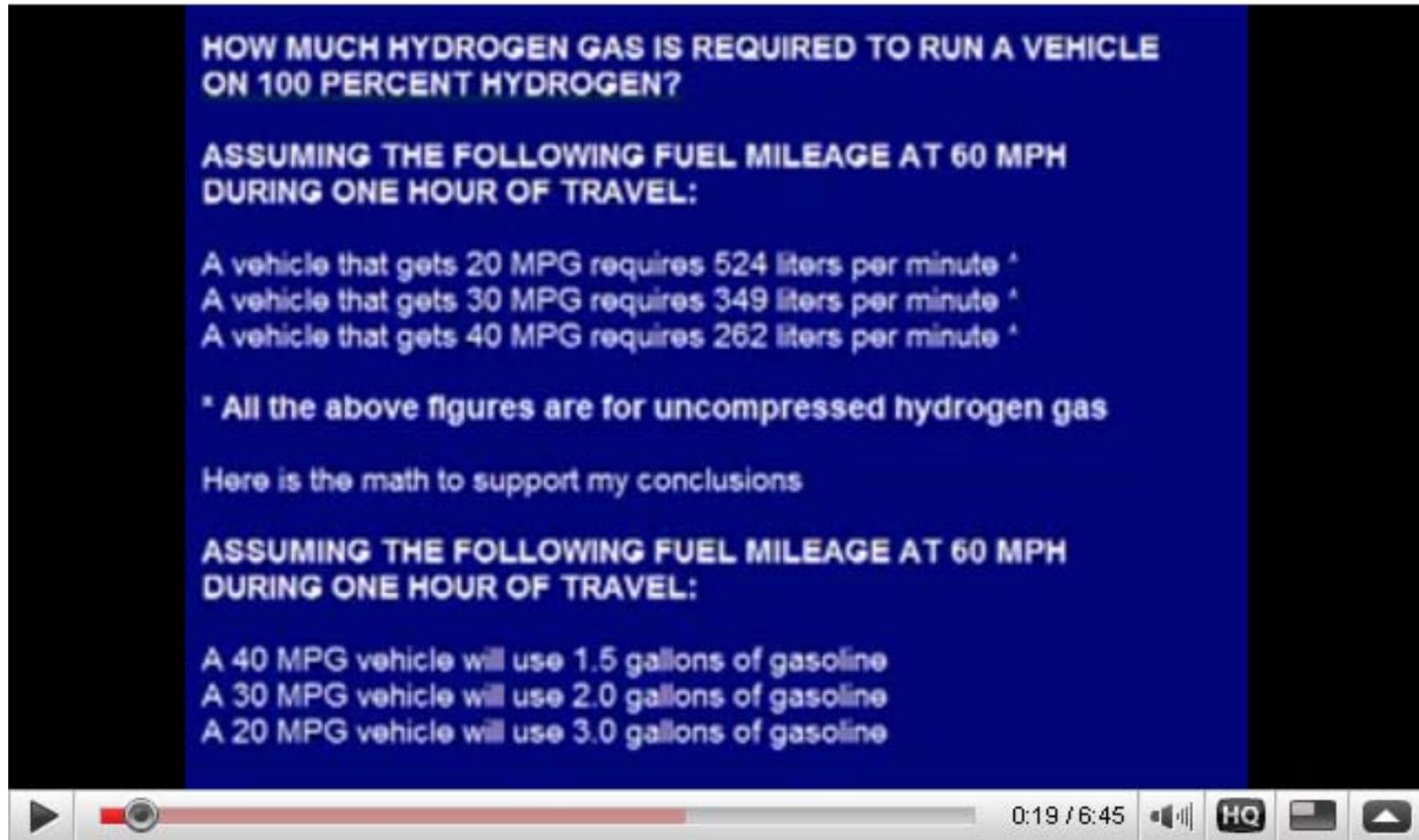


Energy State



Run Car on Hydrogen

300 to 500 liters per minute



HOW MUCH HYDROGEN GAS IS REQUIRED TO RUN A VEHICLE ON 100 PERCENT HYDROGEN?

ASSUMING THE FOLLOWING FUEL MILEAGE AT 60 MPH DURING ONE HOUR OF TRAVEL:

A vehicle that gets 20 MPG requires 524 liters per minute ^
A vehicle that gets 30 MPG requires 349 liters per minute ^
A vehicle that gets 40 MPG requires 262 liters per minute ^

^ All the above figures are for uncompressed hydrogen gas

Here is the math to support my conclusions

ASSUMING THE FOLLOWING FUEL MILEAGE AT 60 MPH DURING ONE HOUR OF TRAVEL:

A 40 MPG vehicle will use 1.5 gallons of gasoline
A 30 MPG vehicle will use 2.0 gallons of gasoline
A 20 MPG vehicle will use 3.0 gallons of gasoline

0:19 / 6:45

<http://www.youtube.com/watch?v=7qzrl20VPCw>

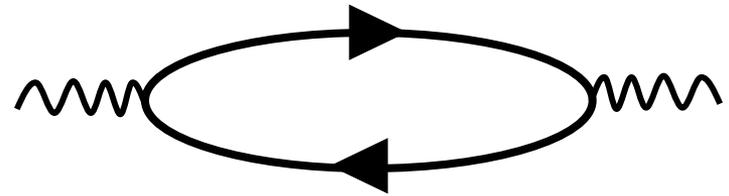


What is the energy source?

Energetic Vacuum

$$\Delta E \Delta t > \hbar$$

Uncertainty Principle



Pair Production

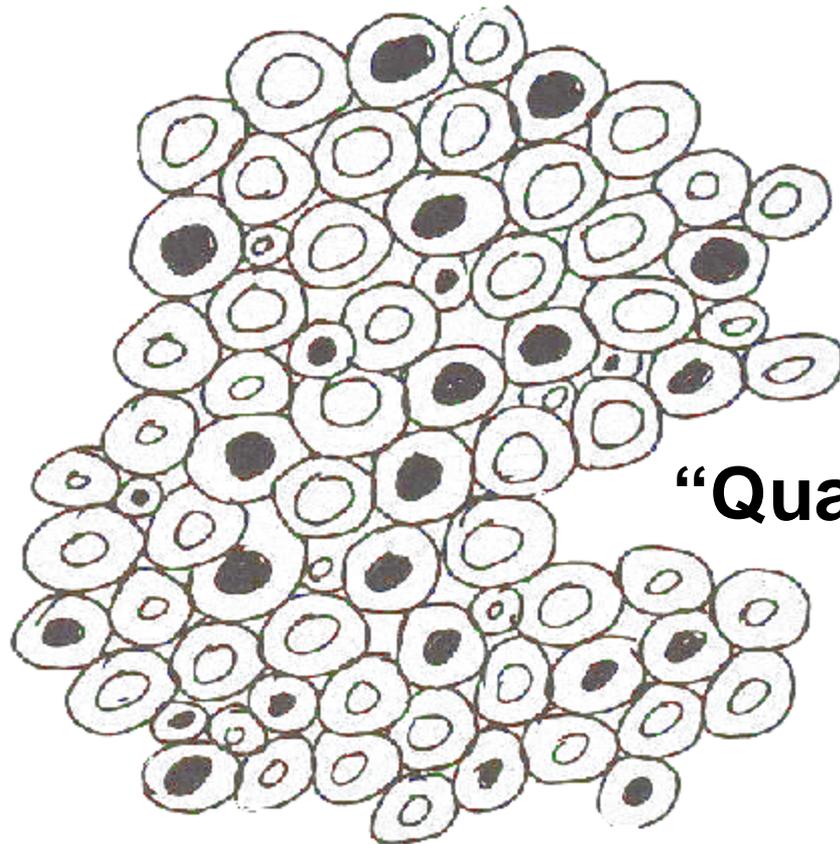


Zero-Point Energy: Basis

- Quantum Effects** – Boyer, *Phys. Rev. D* 11(4), 2832 (1975).
- Hydrogen Atom** – Puthoff, *Phys. Rev. D* 35(10), 3266 (1987).
- Energy Source** – Cole, Puthoff, *Phys. Rev. E* 48(2), 1562 (1993).
- Gravity** – Puthoff, *Phys. Rev. A* 39(5), 2333 (1989).
- Inertia** – Haisch, Puthoff, Rueda, *Phys. Rev. A* 49(2), 678 (1994).



The Zero-Point Energy is a Turbulent Virtual Plasma

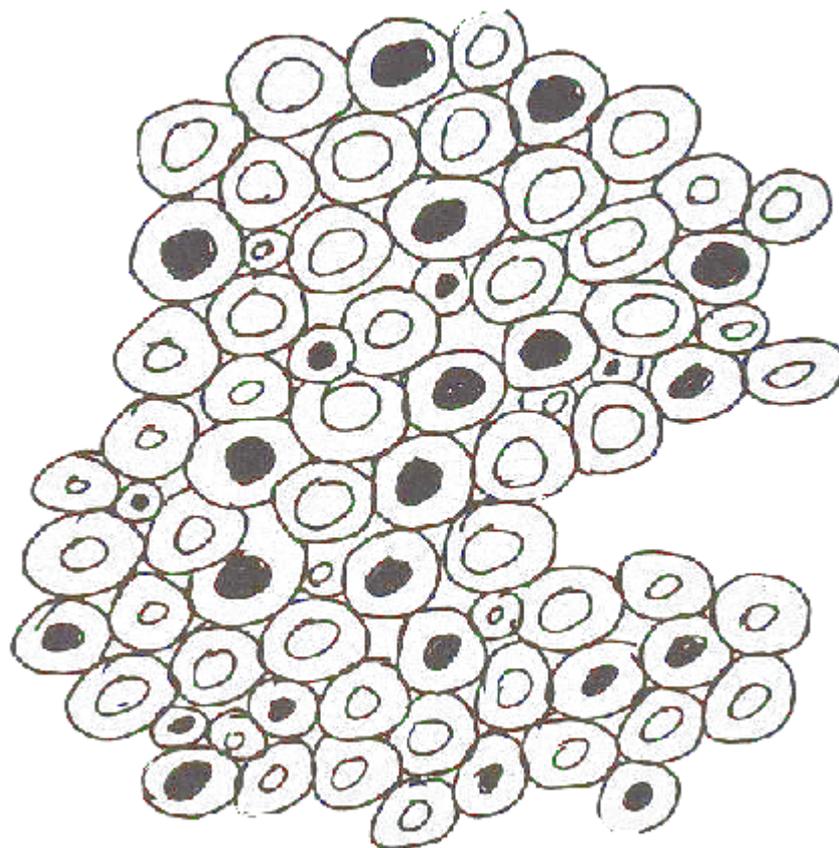


“Quantum Foam”

Electric flux enters and leaves our 3D space through mini virtual particles that constantly appear and disappear.



Can Self-Organization be Triggered in the Quantum Foam?





Entropy

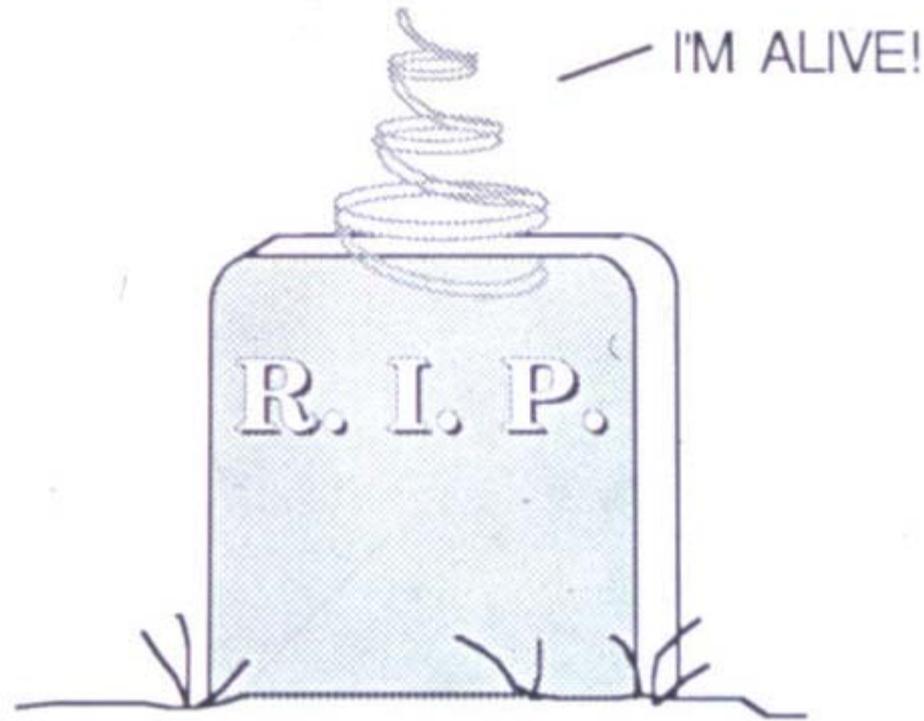
Everything decays to randomness





Ilya Prigogine

Under certain conditions self-organization may occur.

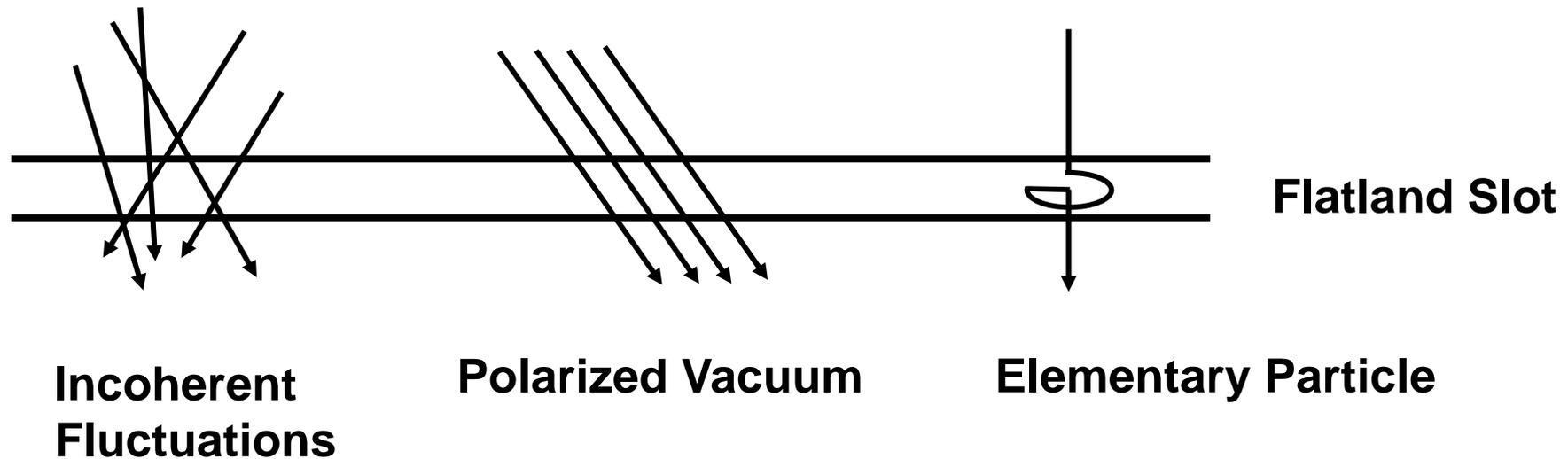




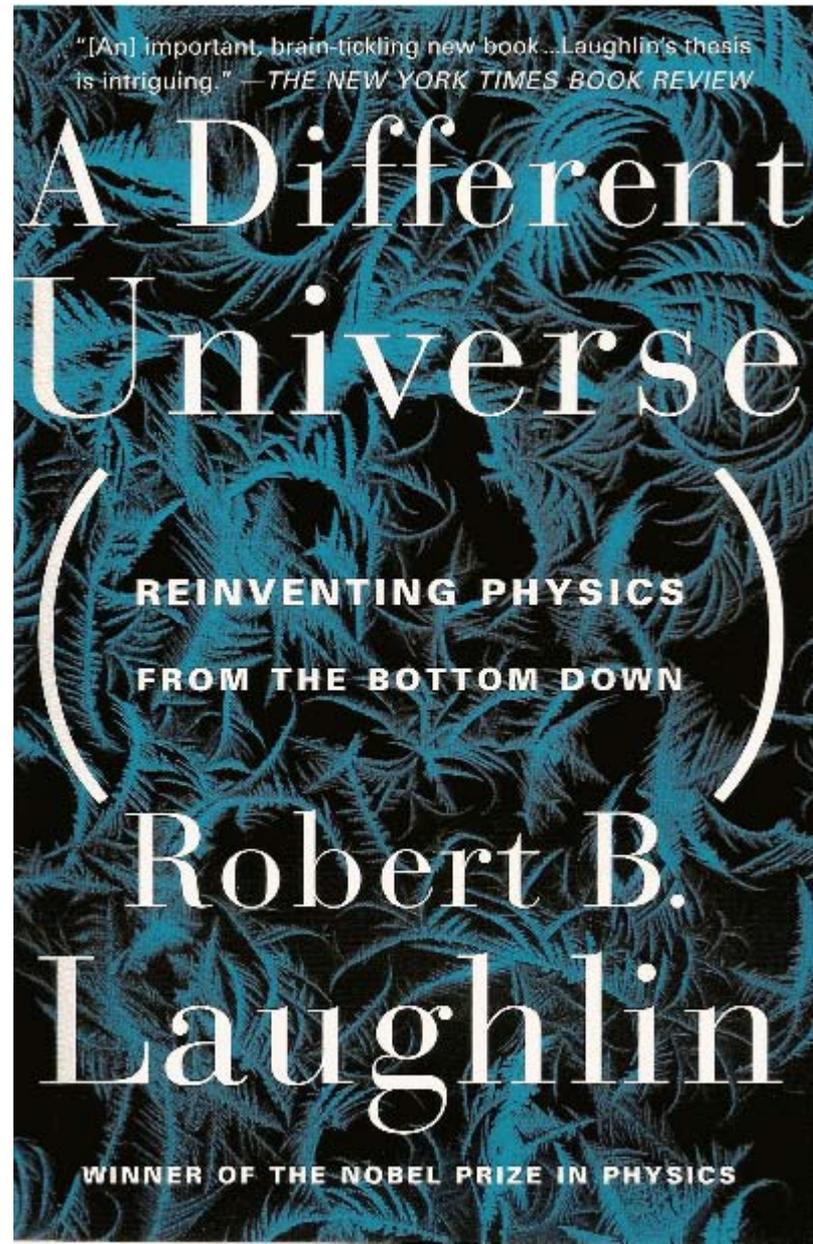
System Self-Organization

- **Nonlinear**
- **Far From Equilibrium**
- **Energy Flux**

ZPE from Hyperspace Flux



Everything Emerges from Collectives

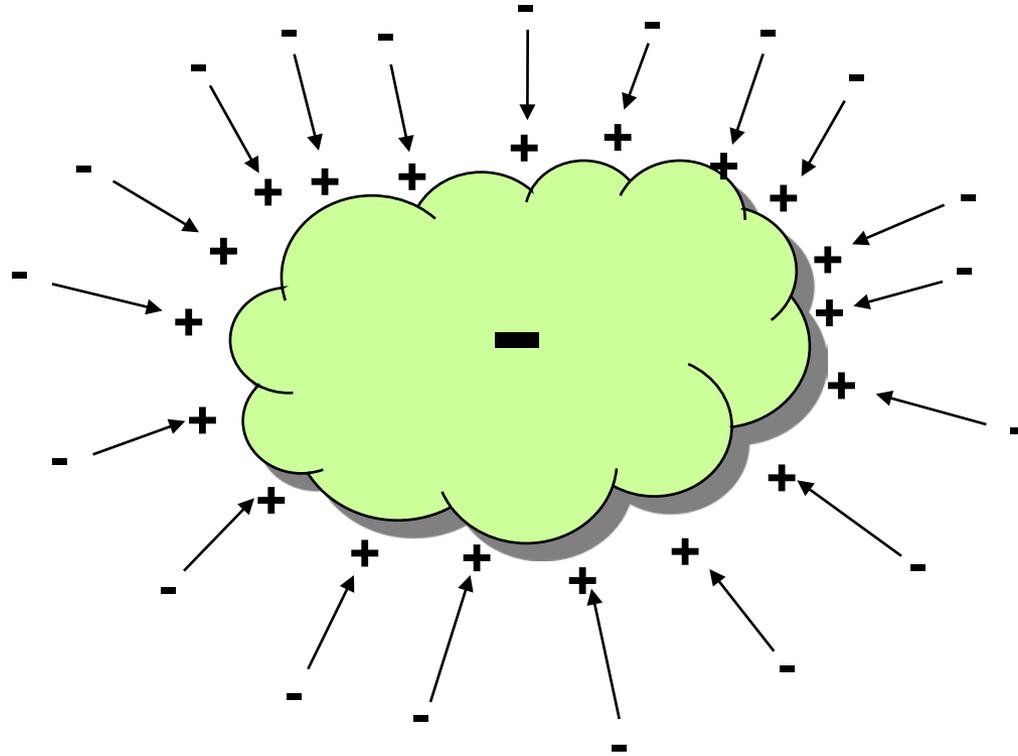




Principles for Cohering The Zero-Point Energy

- **Highly Nonlinear System**
- **Abruptly Drive Far From Equilibrium**
- **Maximize ZPE Interaction Using**
 - **Ions**
 - **Vortex Forms**

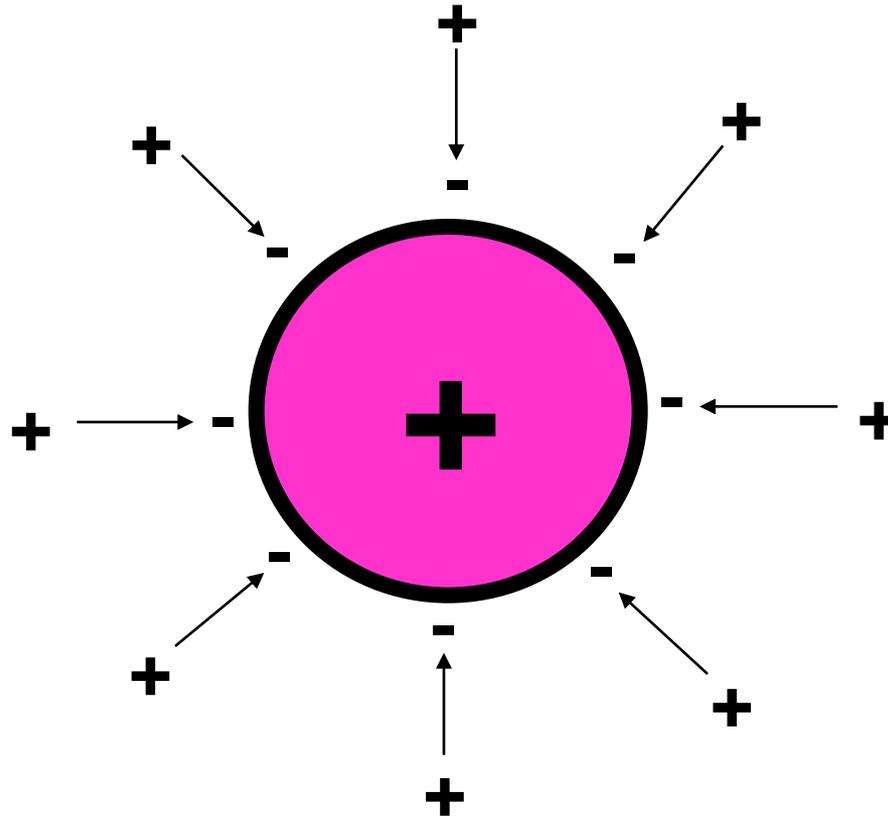
Vacuum Polarization Conduction Electron Cloud



In equilibrium with ZPE

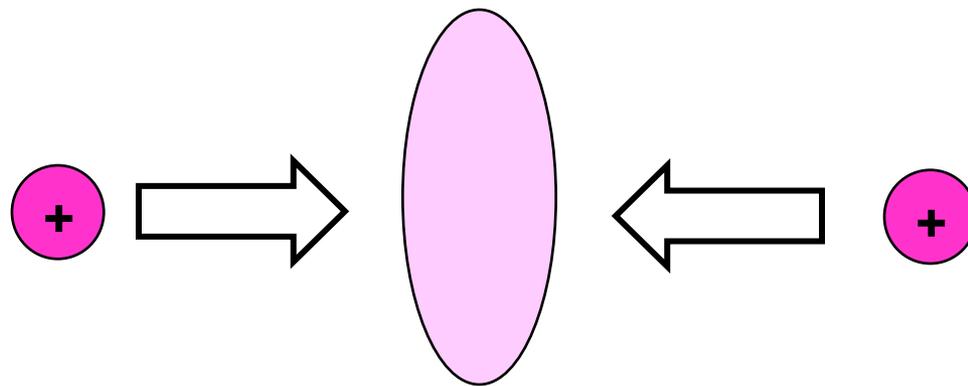


Vacuum Polarization of Nucleus



Can trigger self-organization in ZPE

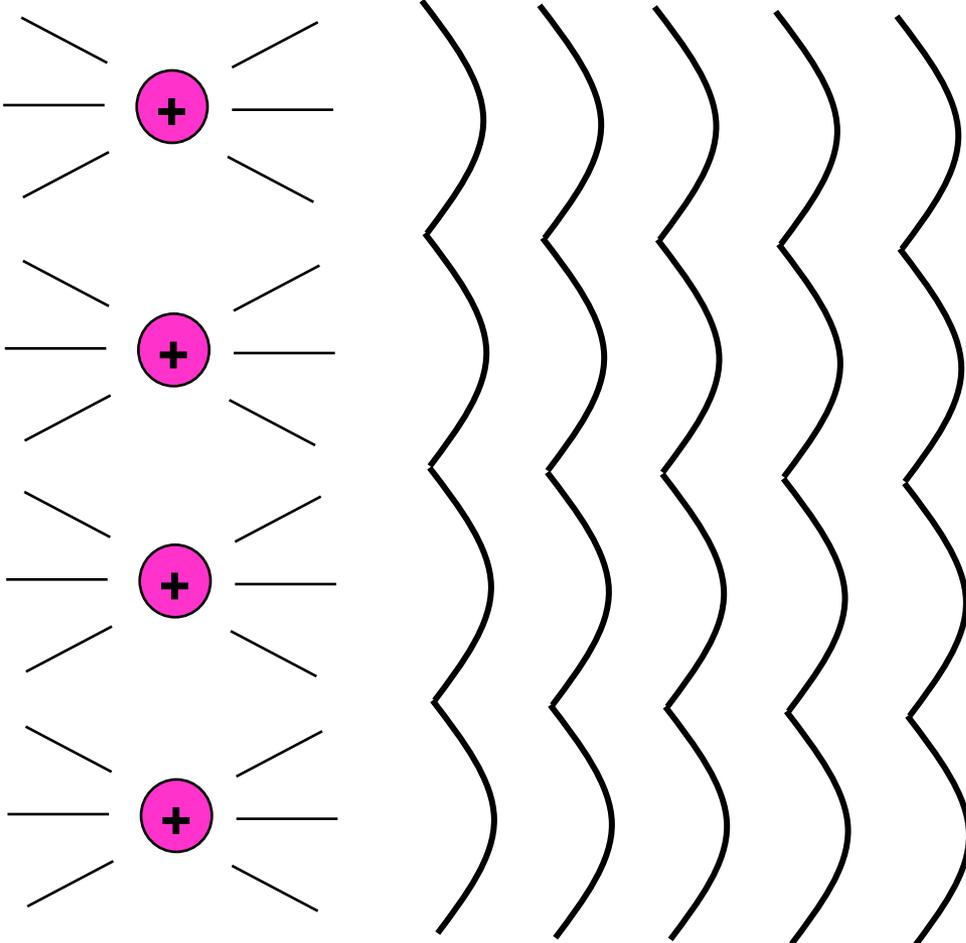
Exotic, Coherent Vacuum States in Quantum Electrodynamics arise from heavy ion collisions



Calenza, et al., *Phys. Rev. Lett.* 57(1), 55 (1986)



Plasma Ion Acoustic Oscillations



Manifest Energetic Anomalies



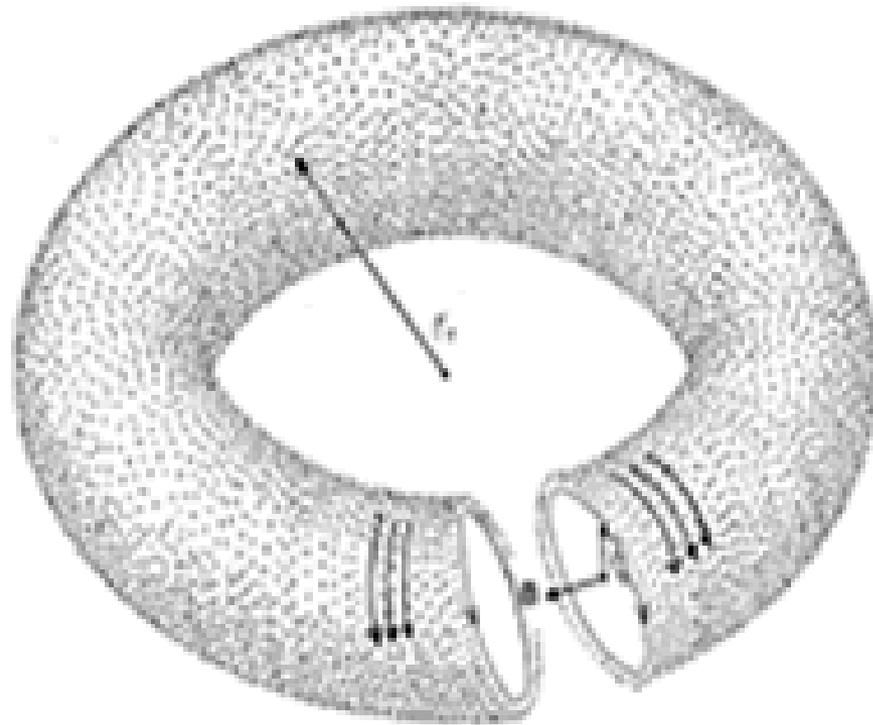
Ion Acoustic Activity Triggers Plasma Self-Organizational Modes

- **Large radiant energy absorption**
- **High frequency spikes**
- **Runaway electrons**
- **Anomalous plasma heating**

Watanabe, et al., “Self-organization and dynamo responses in toroidal confinement plasmas” (2005)

<http://www.icpig2005.nl/cd/D:/pdf/14-253.pdf>

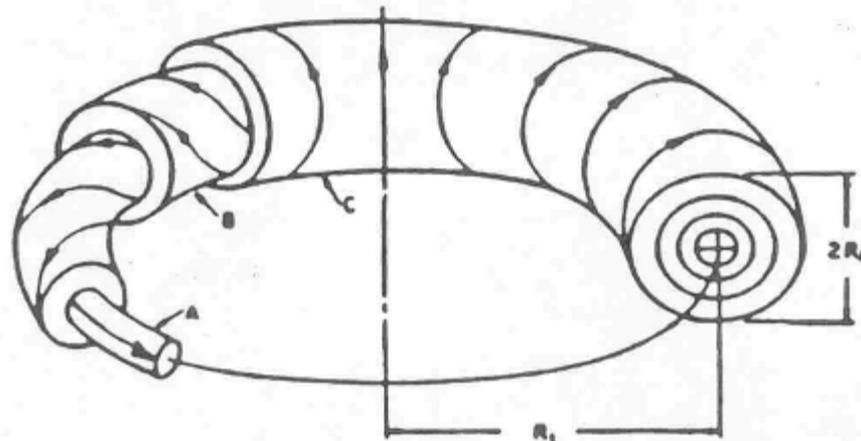
Ball Lightning Plasmoid



Electron Spiral Toroid

<http://www.electronpowersystems.com/Technology.htm>

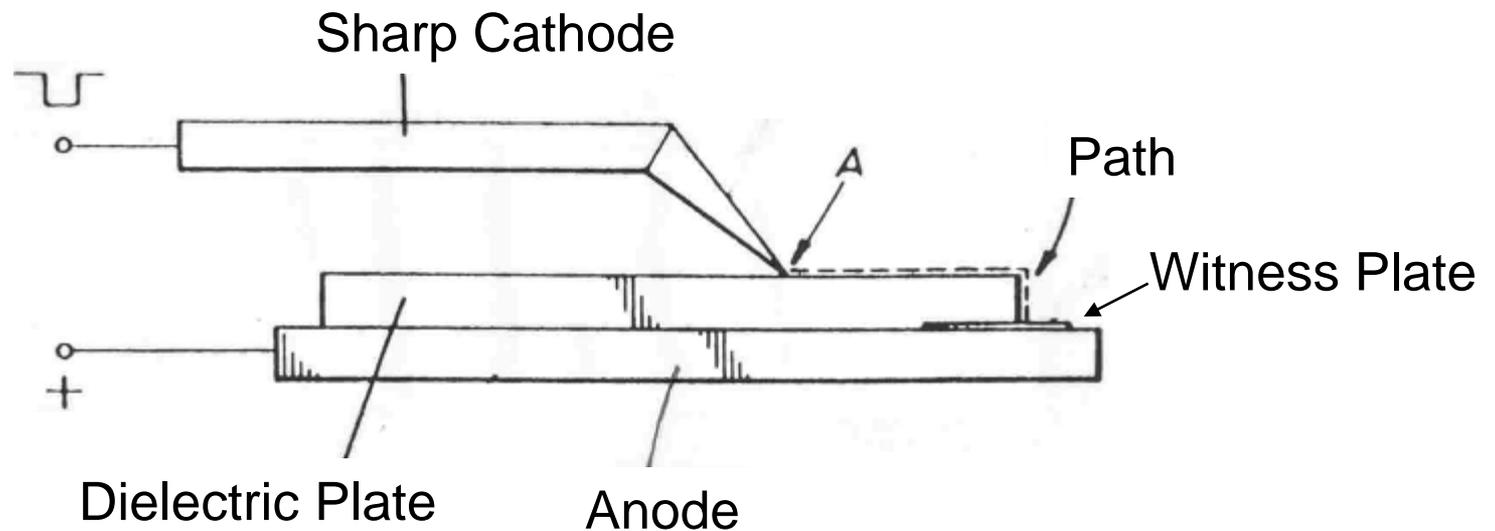
Helical Flow in Plasmoid Vortex Ring Filament



Force Free Vortex Yields Natural Stability

Alex, Radar, *Fusion Tech.* 27, 271 (1995)

Ken Shoulders Launching Charge Cluster



U.S. Patent 5,018,180 (1991)

<http://www.svn.net/krscfs>



Electrum Validum (EV) Exotic Vacuum Object (EVO)

10^{11} Electrons

10^6 Ions

e/m Ratio like electron

Contains excessive energy

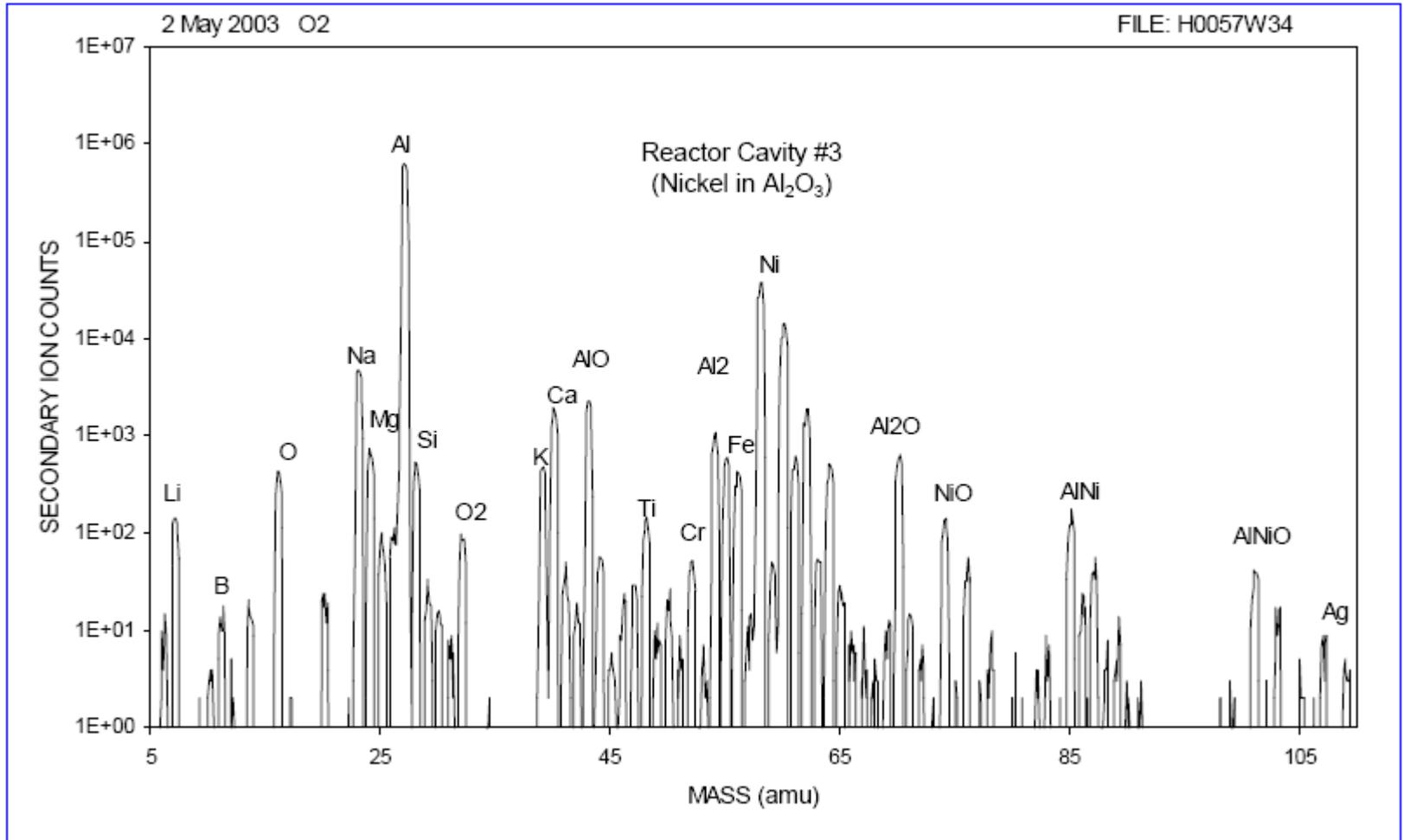


Charge Cluster Anomalies

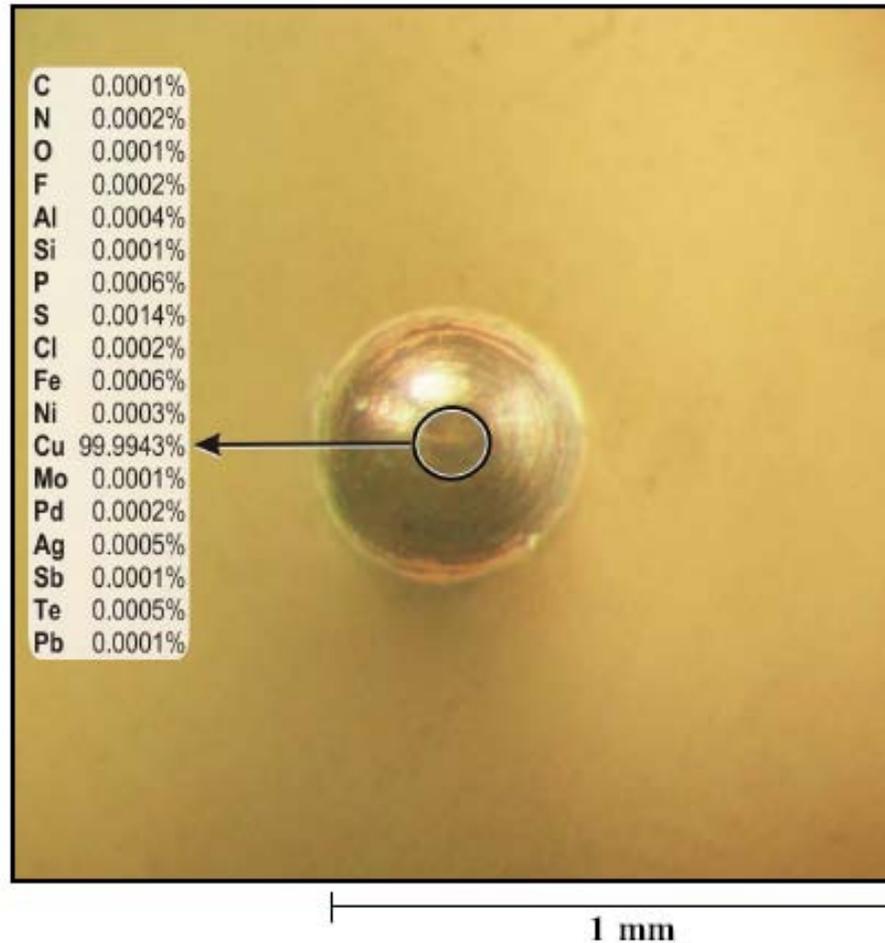
- Adhere to dielectrics
- Many can clump into “necklace” formation
- Bore holes in ceramics (aluminum oxide)
- Disruption of electron bonds appears like melting
- Element Transmutation
- Radioactivity Reduction

Ken Shoulders, <http://www.svn.net/krscfs>

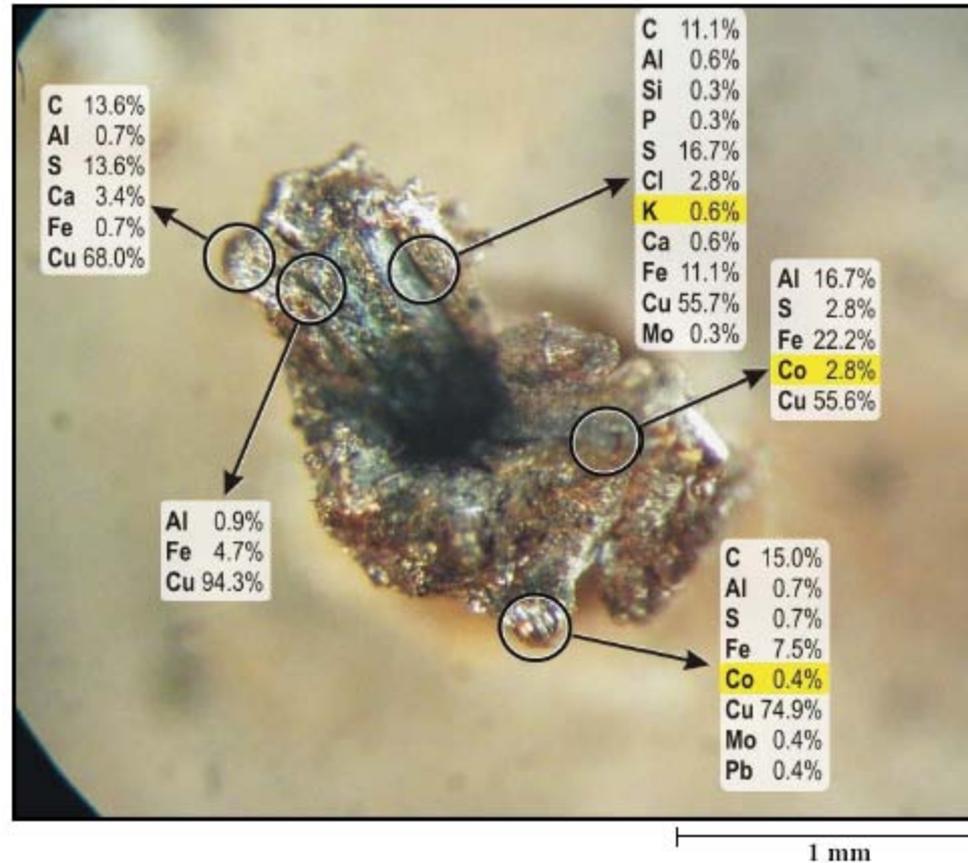
Low Voltage Transmutation



Nucleosynthesis



Nucleosynthesis





Charged Water Gas Clusters

Can Also Cause

Element Transmutation

George Wiseman



[Play](#)

<http://www.youtube.com/watch?v=E-dca5fVLTM&feature=related>

Brown's Gas Information



<http://eagle-research.com>



Cool Flame

130 deg F



[Play](#)

<http://www.youtube.com/watch?v=4wYY1V46YDQ>



Does Not Boil Water



[Play](#)

<http://www.youtube.com/watch?v=wK85QQPAuiU>

Vaporizes Tungsten



[Play](#)

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 **130 F** **54 C**

Torches

Acetylene	5972 F	3300 C
Hydrogen arc	7232 F	4000 C
Cyanogen	8477 F	4525 C
Dicyanacetylene	9009 F	4987 C



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

Todd Knudston, <http://www.amasci.com/freenrg/hydroxy.html>

George Wiseman, <http://eagle-research.com>



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 F (54 C)

Extraordinary Technology, vol. 2(6), pp 15-25, 2008

SG Gas

New Isomer of Water

O--HH



Ted Suartt

Rob Gourley

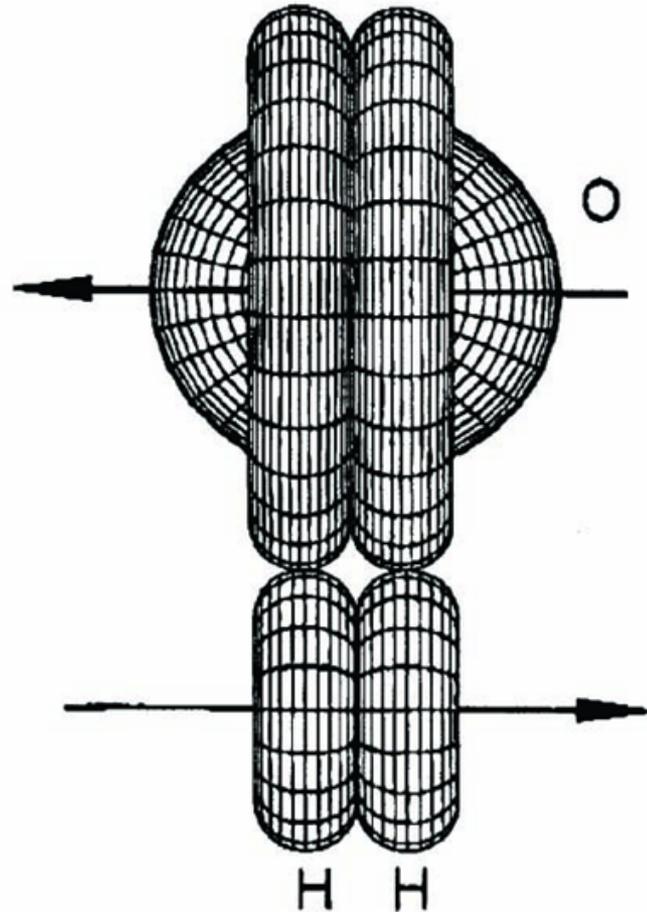


Ice Infused with SG Gas

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

<http://www.wateriontechnologies.com>

Water Gas Magnecule



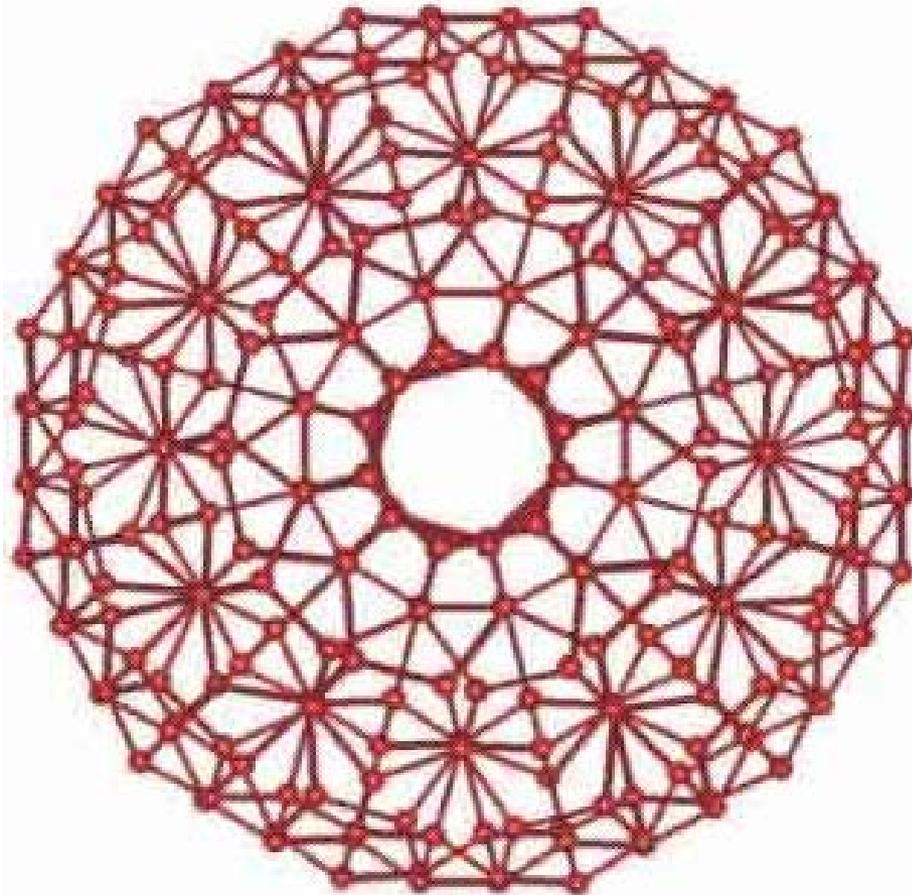
R. Santilli, "A New Gaseous and Combustible Form of Water,"
International Journal of Hydrogen Energy **31** (9), 1113 (2006)



Water Clusters

Water Cluster Architecture

Based on Gas Clathrates



Prof. Martin Chaplain, London South Bank University

<http://www.lsbu.ac.uk/water/clathrate.html>

Water Buckyballs



"WATER BUCKYBALLS"

CHEMICAL, CATALYTIC, BIOLOGICAL, AND COSMIC IMPLICATIONS

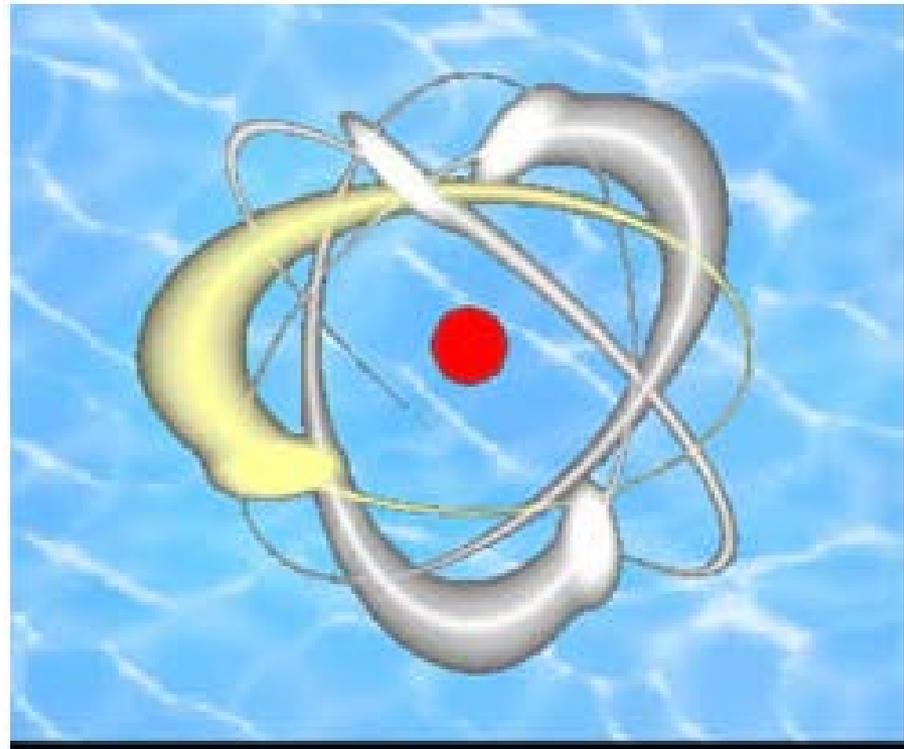
Professor Keith Johnson

Massachusetts Institute of Technology; kjohnson@mit.edu

<http://www.watercluster.com/>

Hydrated Electrons

Negatively Charged Water Clusters

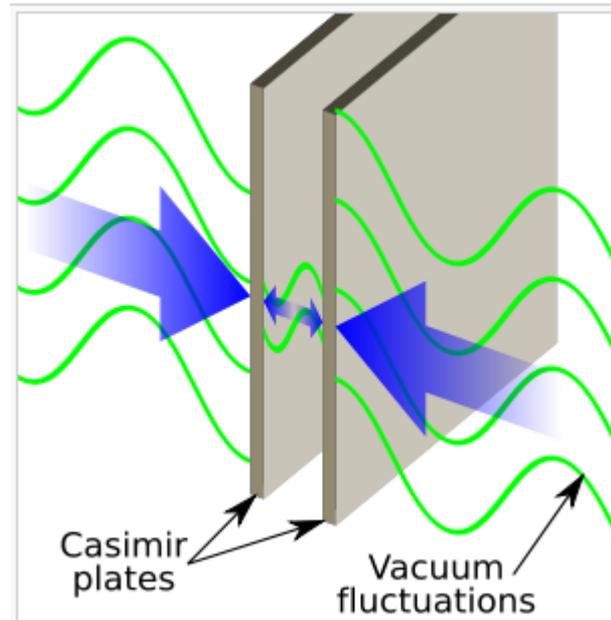


Aggregates between liquid water and steam

<http://www.lbl.gov/Science-Articles/Archive/CSD-hydrated-electrons.html>

Coupling Zero-Point Energy into Water Clusters

Cavity Quantum Electrodynamics QED



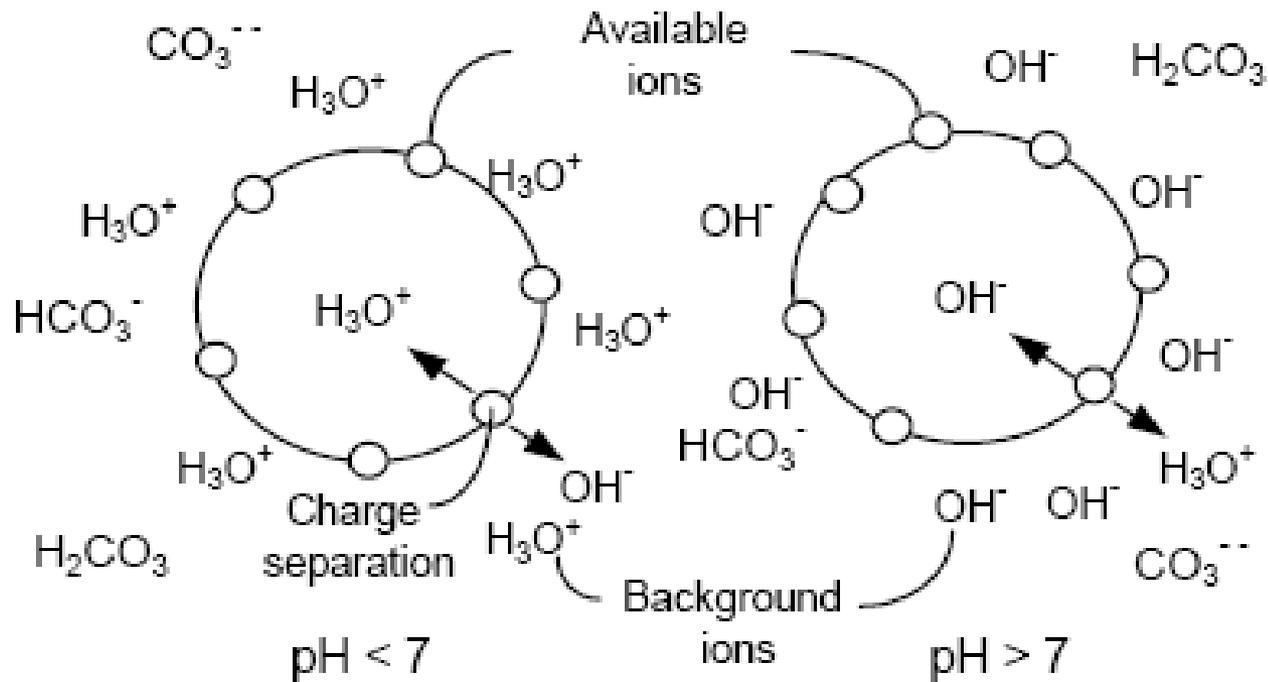


T.V. Prevenslik

Bubbles and Steam Electricity

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

Water Bubble, Cavity QED Model Coheres ZPE



Charge Separation: Hydronium + Hydroxyl -

<http://www.esdjournal.com/techpapr/prevens/previndx.htm>



Bubble Cavity

Quantum Electrodynamics

- Zero-point energy activated
- Bubble wall collapse
- Continuously increases resonant frequency
- Acts like ultraviolet to x-ray laser
- Coincides with **dissociation frequency** of water molecule bonds

T.V. Prevenslik

<http://www.esdjournal.com/techpapr/prevens/previndx.htm>



Sonoluminescence

- Bluish light
- Ultrasonic excitation, water + argon
- Shock Waves: Bubble wall collapse
- Cavity QED resonance couples in ZPE
- Creates excimers: Ar^*OH
- Emits photons when excimers decompose during rarefaction

T.V. Prevenslik

<http://www.esdjournal.com/techpapr/prevens/previndx.htm>



“Water Fuel” Projects

- **Boosters** – Improve gas mileage
- **Pure** – Run completely on water
- **Pure self-running** – Disconnect battery

Prove It!

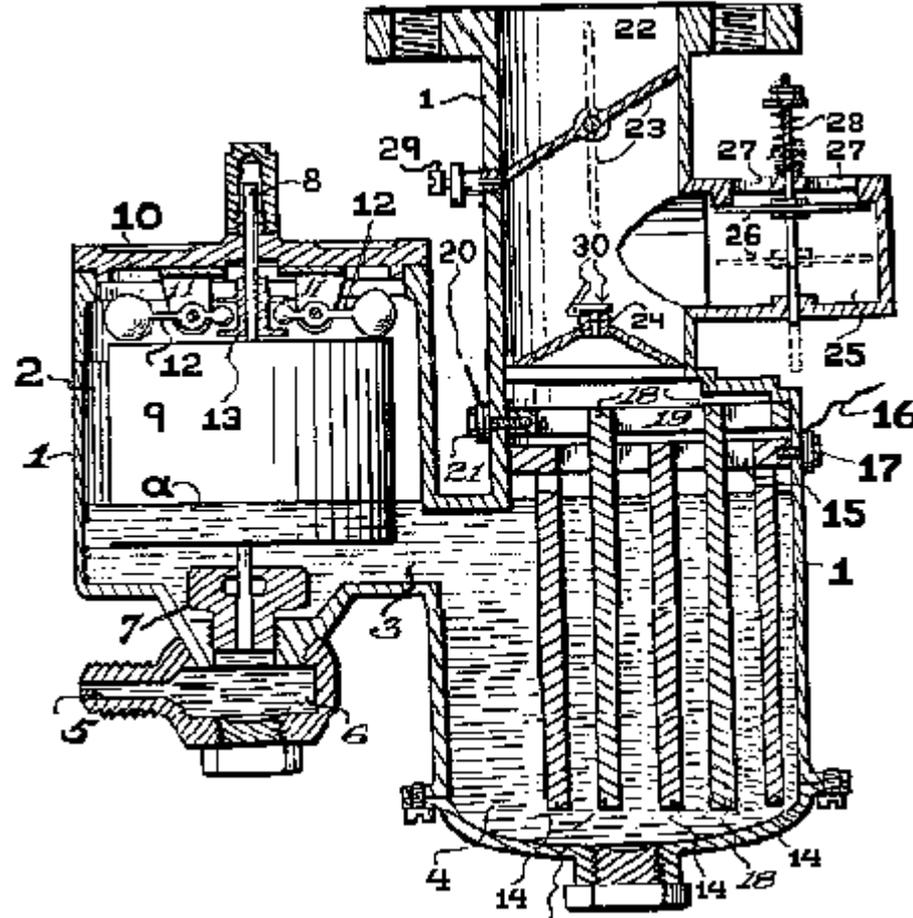


Pure “Water Fuel” Projects

Run Completely on Water

History

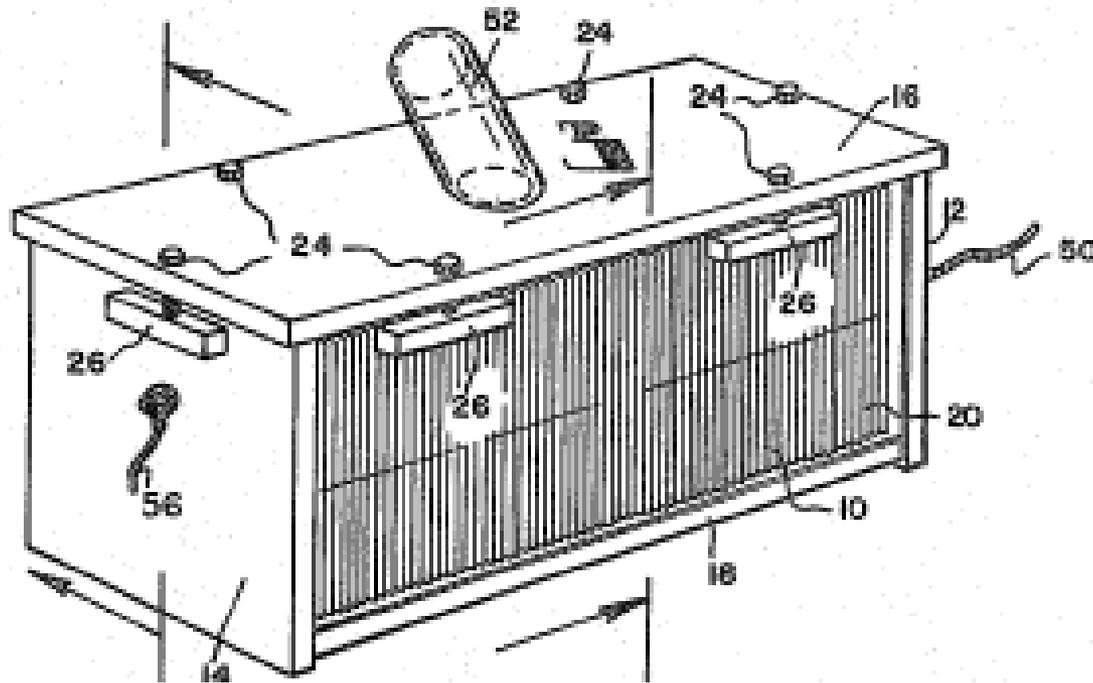
Charles Garrett Electrolytic Carburetor



U.S. Patent 2,006,676 (1935)

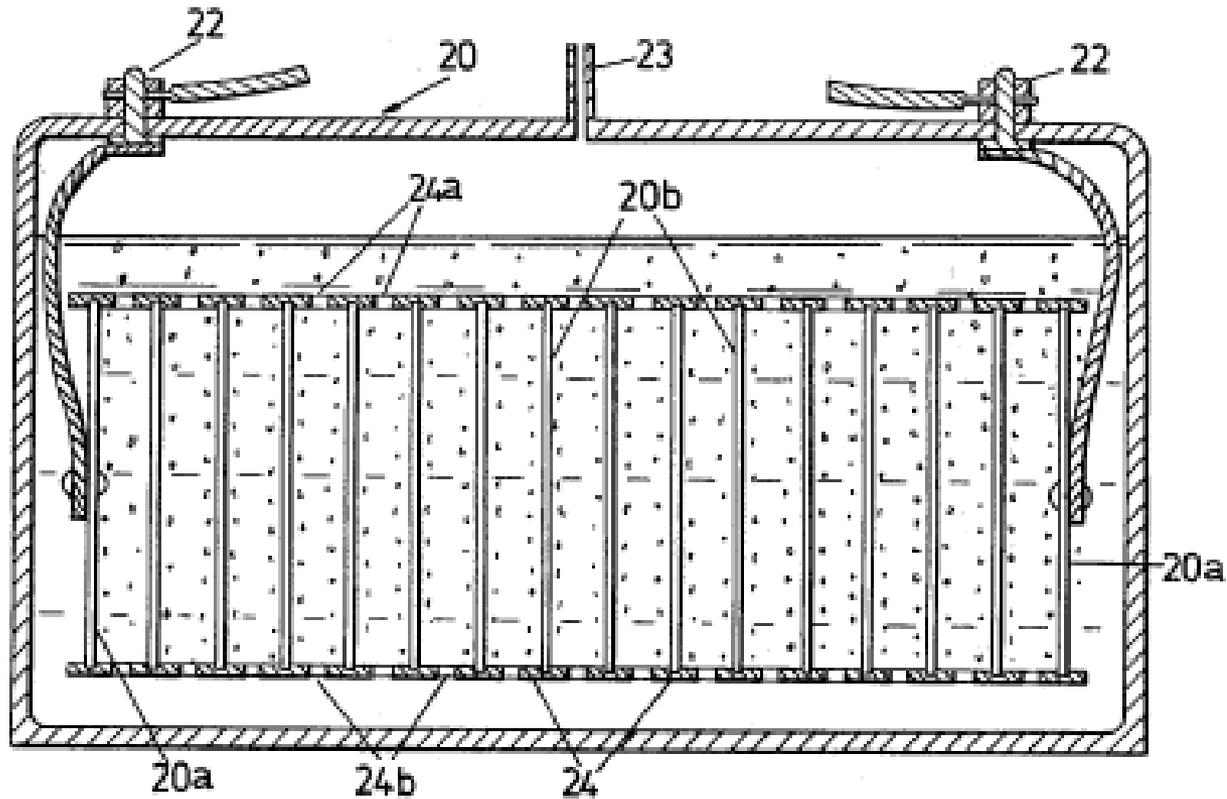
William Rhoads

Multicell Oxyhydrogen Generator



U.S. Patent 3,310,483 (1967)

Yull Brown Welding



U.S. Patent 4,014,777 (1977)

Bob Boyce



70 Plates

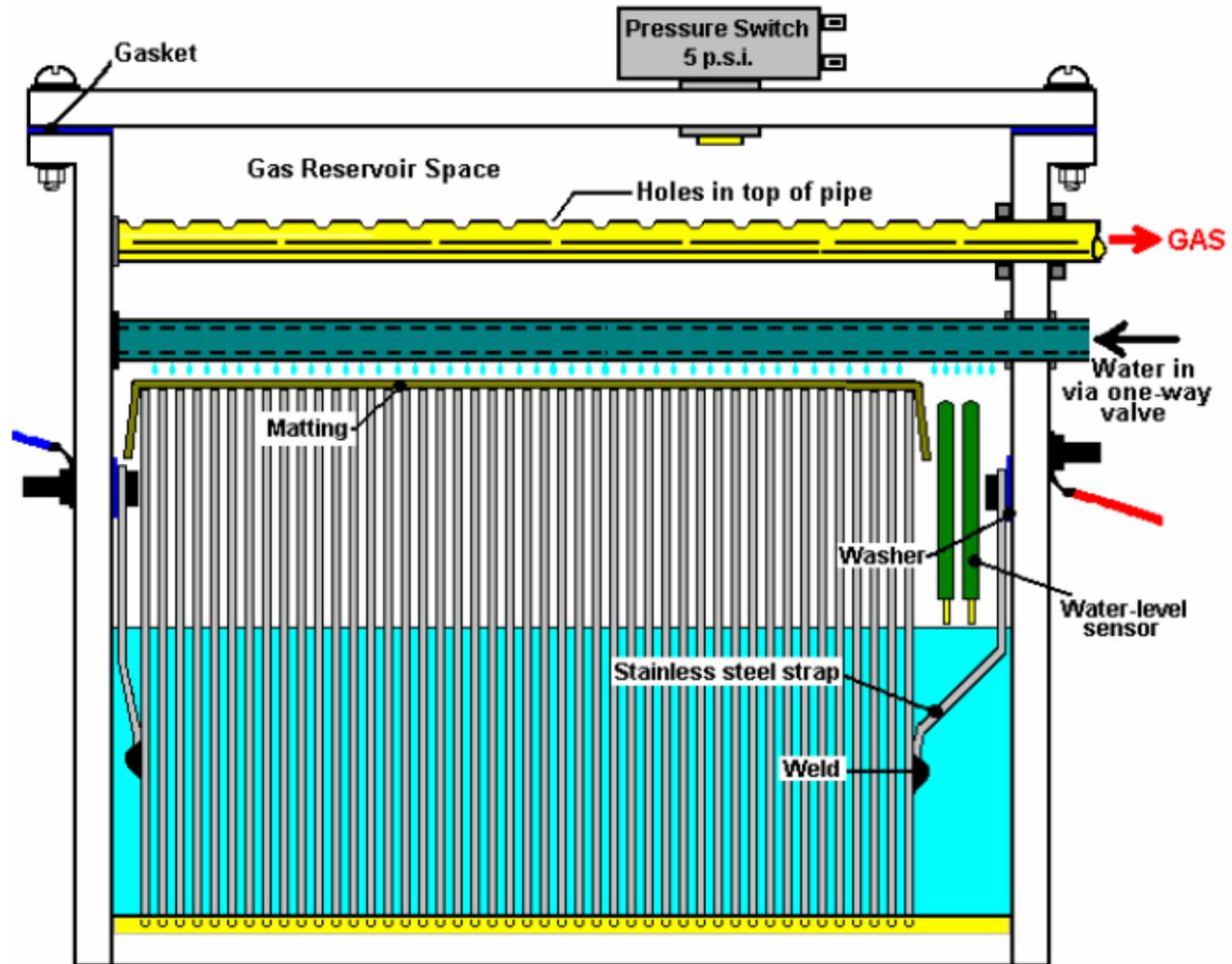
3 mm gap



<http://www.bobboyce.org/>

http://peswiki.com/index.php/OS:Bob_Boyce_Electrolyzer_Plans

Boyce Electrolyzer

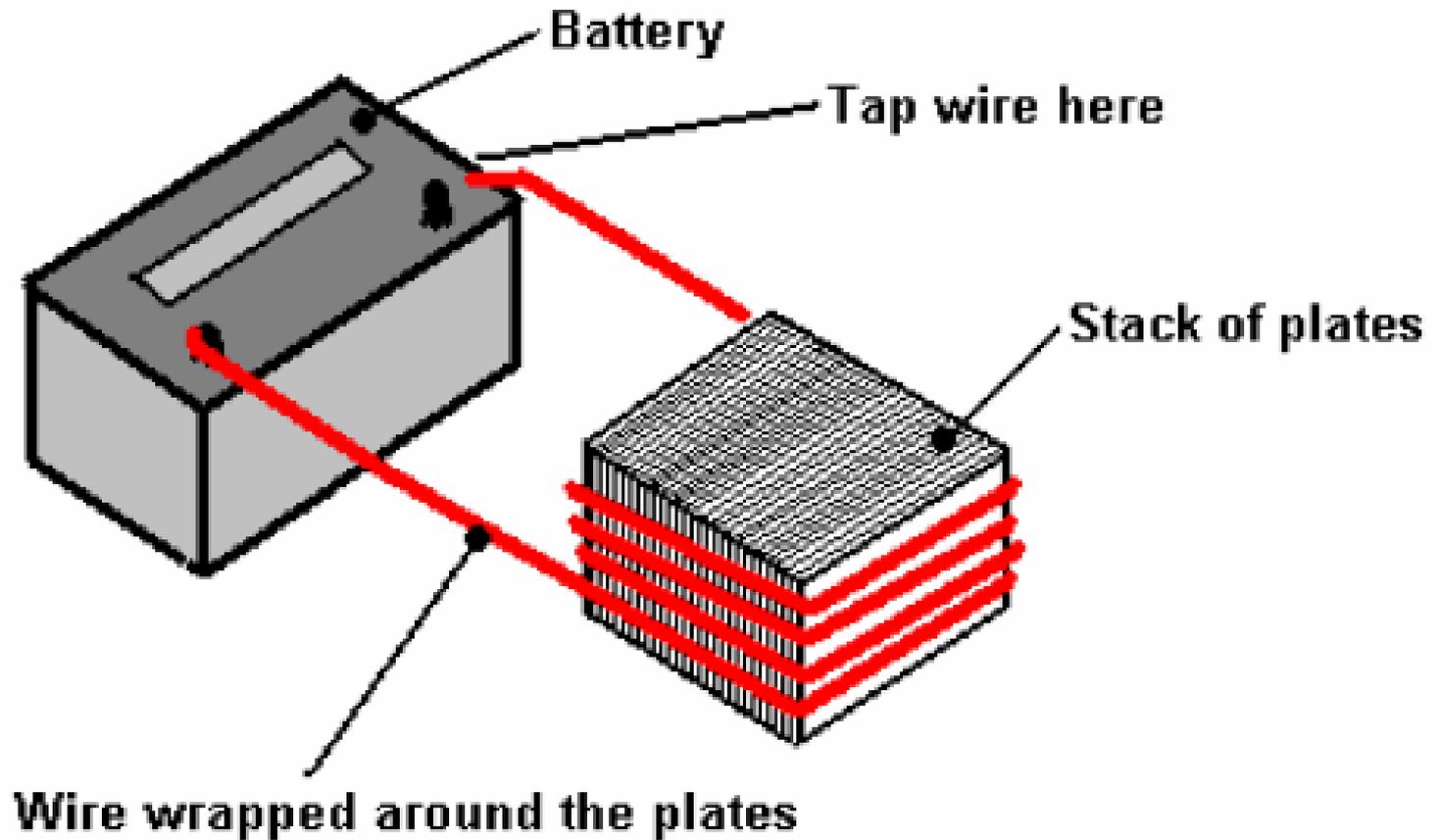


70 – 101 plates

3 mm gap

KOH electrolyte

Magnetic Alignment



Bob Boyce



10 Videos

<http://www.youtube.com/watch?v=hfk0yPBVoLk>

Stanley Meyer



[click on photo to see the movie](#)



[click on photo to see the movie](#)

Documentary "It Runs on Water"
Narrated by Arthur C. Clark

<http://waterpoweredcar.com/stanmeyer.html>

Stanley Meyer



<http://www.youtube.com/watch?v=nOGAkRkCWfA>

Water Fuel Injector Plug

Stanley Meyer - Water Fuel Injector

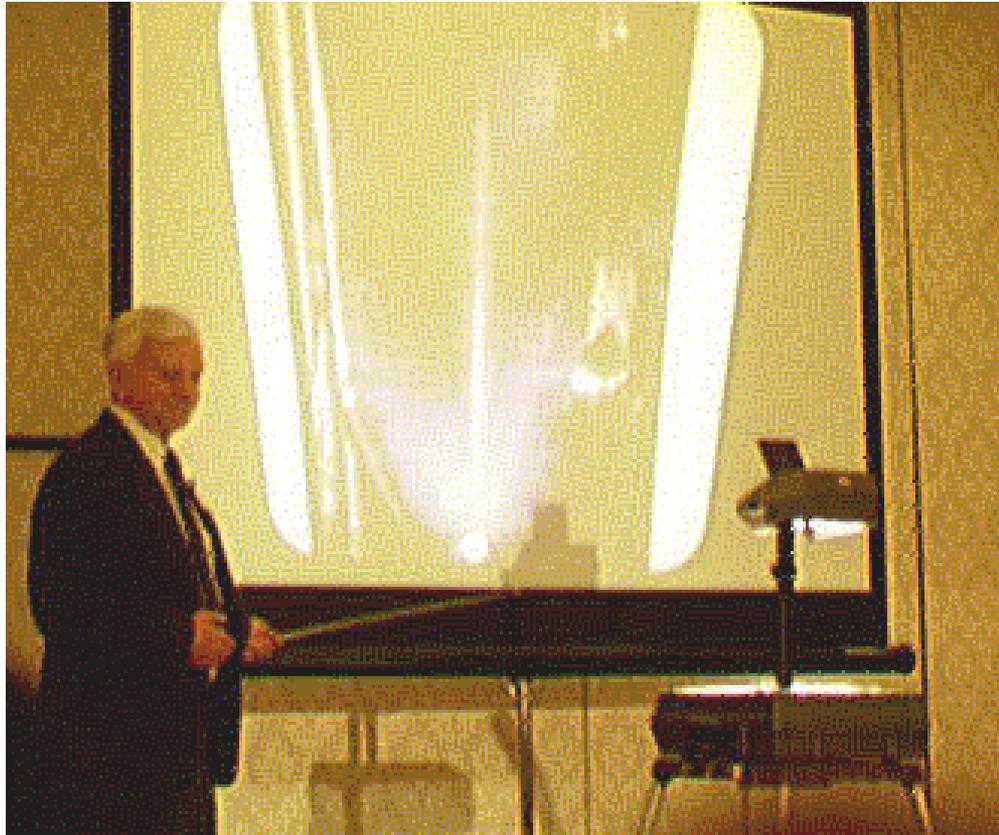


<http://www.youtube.com/watch?v=D7BAODqqcpQ>



Explosive Water Discharge

Water Arc Explosions

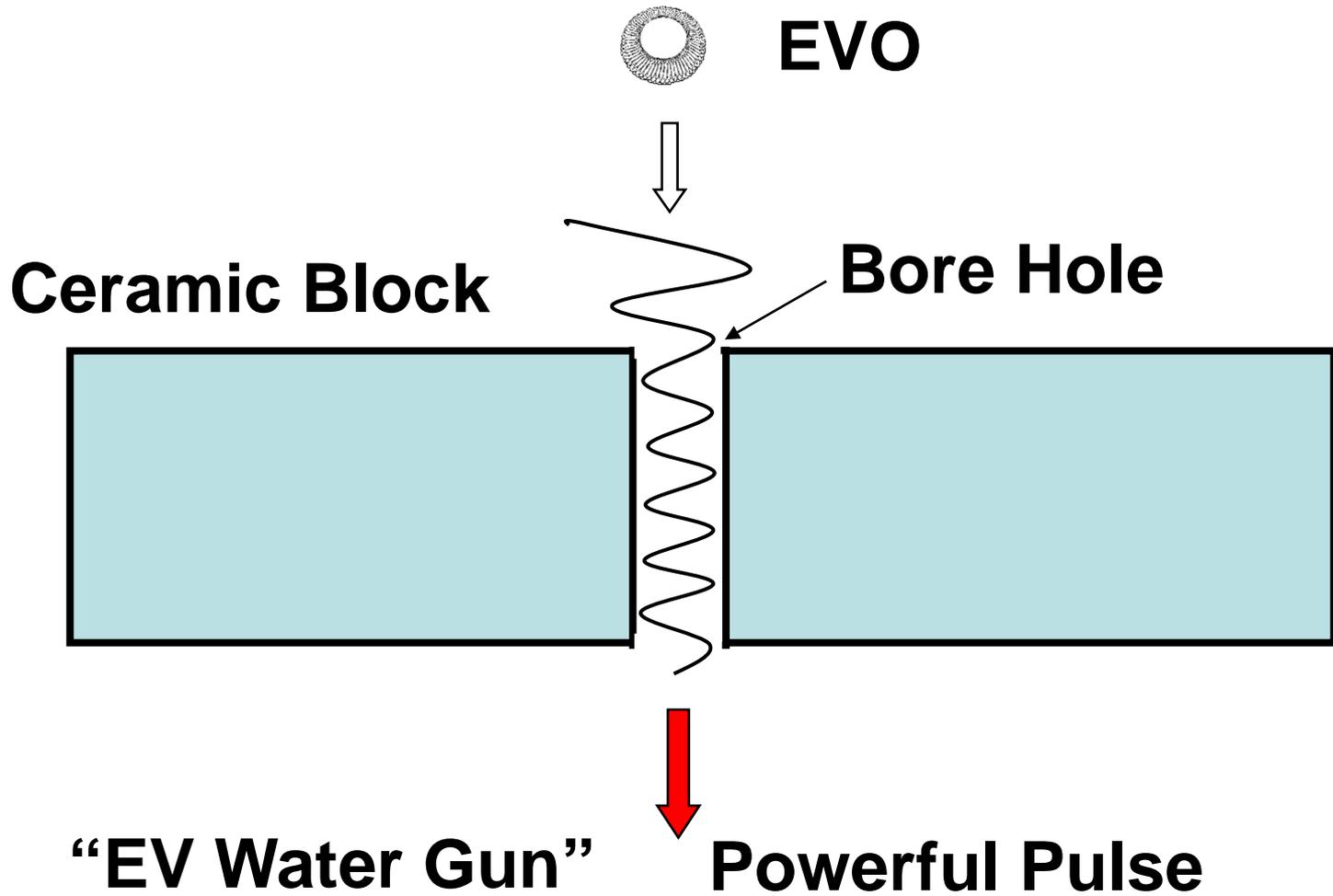


Peter Graneau photographed plasmoid

Frank Znidarsic, Ball Lightning

<http://www.angelfire.com/scifi2/zpt/chapter2.html>

Shoot EV Into Water Vortex



Stanley Meyer



[Play](#)

<http://www.youtube.com/watch?v=QH32STcxveo>



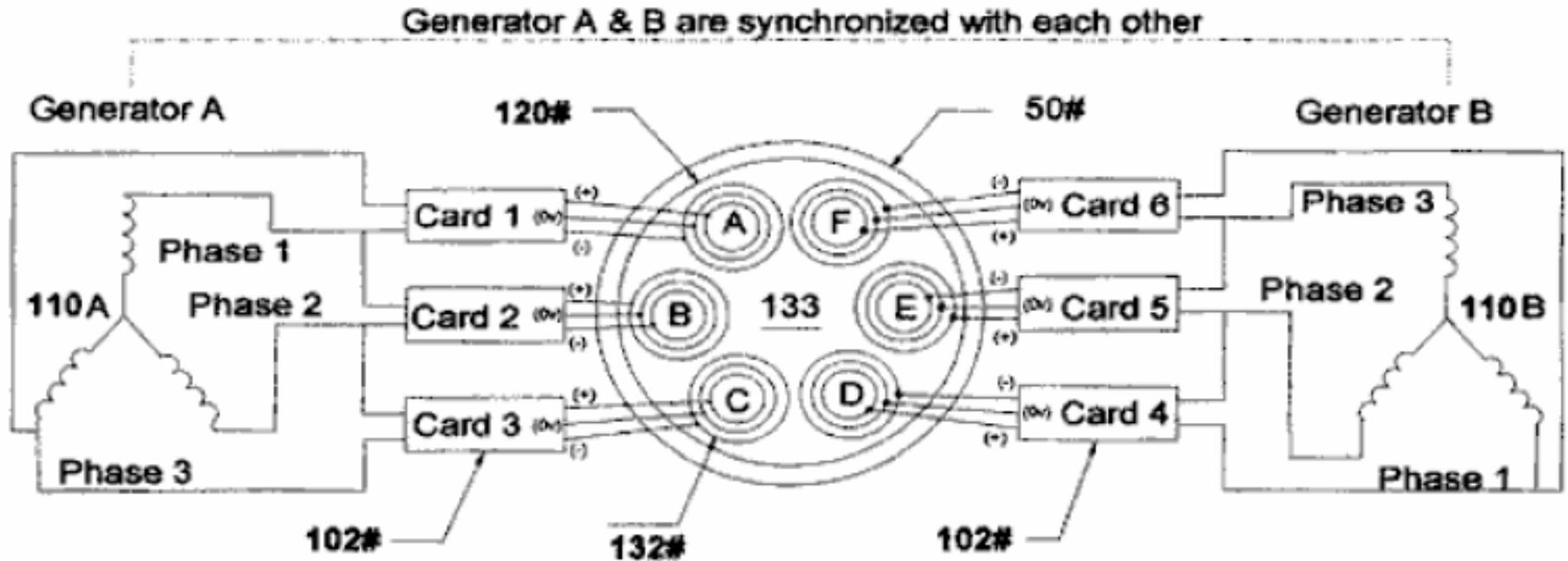
Stanley Meyer Murdered

- March 20, 1998
- Poisoned at restaurant
- Two Belgian “investors”
- Audio tape interviews of dozen witnesses
- Audio tapes of two Belgians missing

Dean Narciso, “The car that ran on water,” July 8, 2007

Google: Columbus Dispatch “Stanley Meyer”

Stephen Meyer



Configuration of Hydroxyl gas producing appartuses

MLS-Hydroxyl Filling Station

US Patent Application 20050246059 (2005)

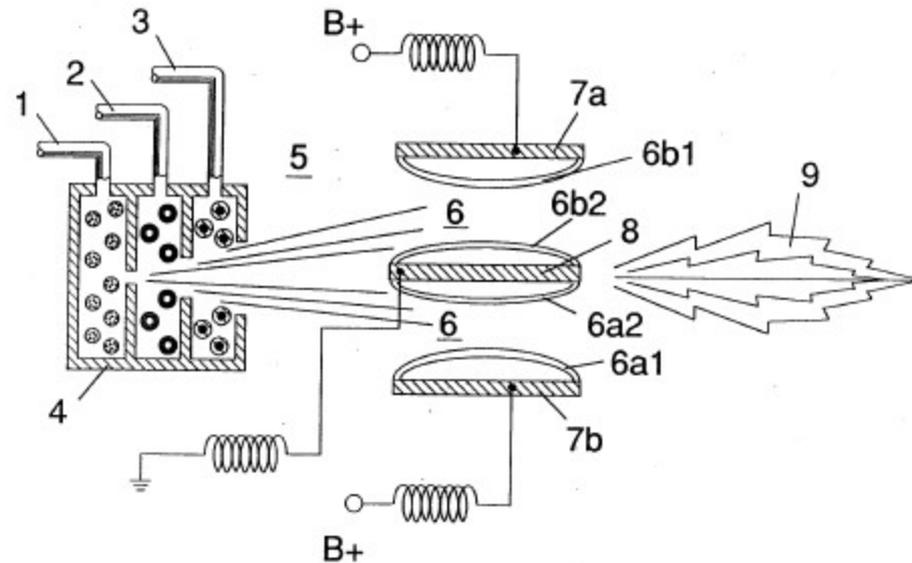
<http://www.panaceauniversity.org/> Patent 46

Meyer Water Injector

1 Water

2 Ionized Air

3 Rare Gas (argon)

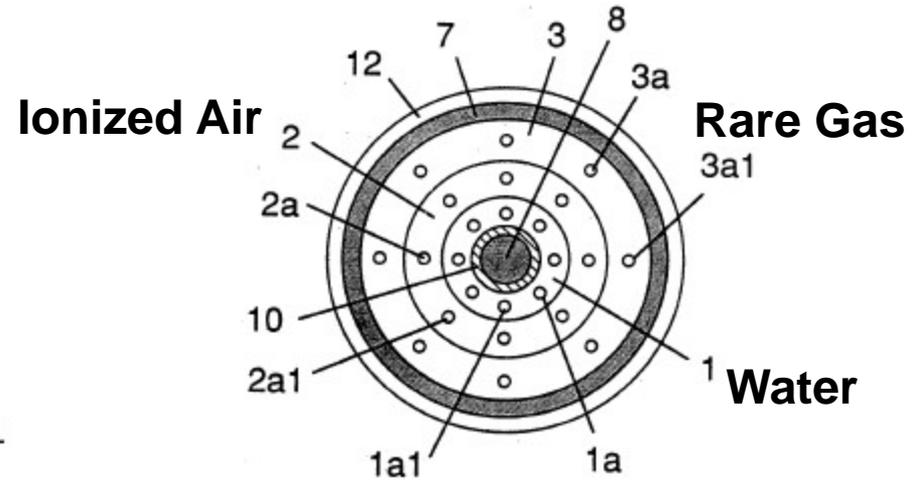
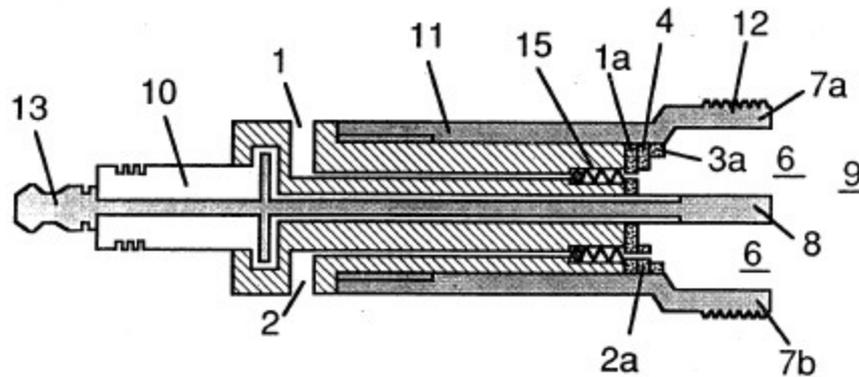


Canada Patent # 2,067,735

1991, 1992, 1998 (May 15)

<http://www.rexresearch.com/meyerhy/2067735.htm>

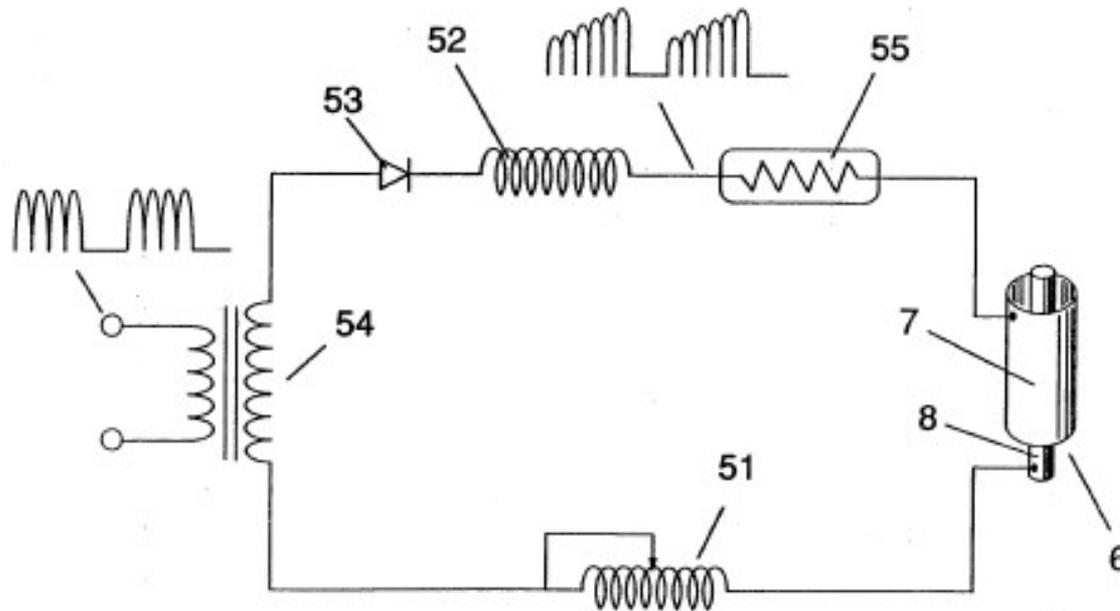
Meyer Water Injector



Canada Patent # 2,067,735

<http://www.rexresearch.com/meyerhy/2067735.htm>

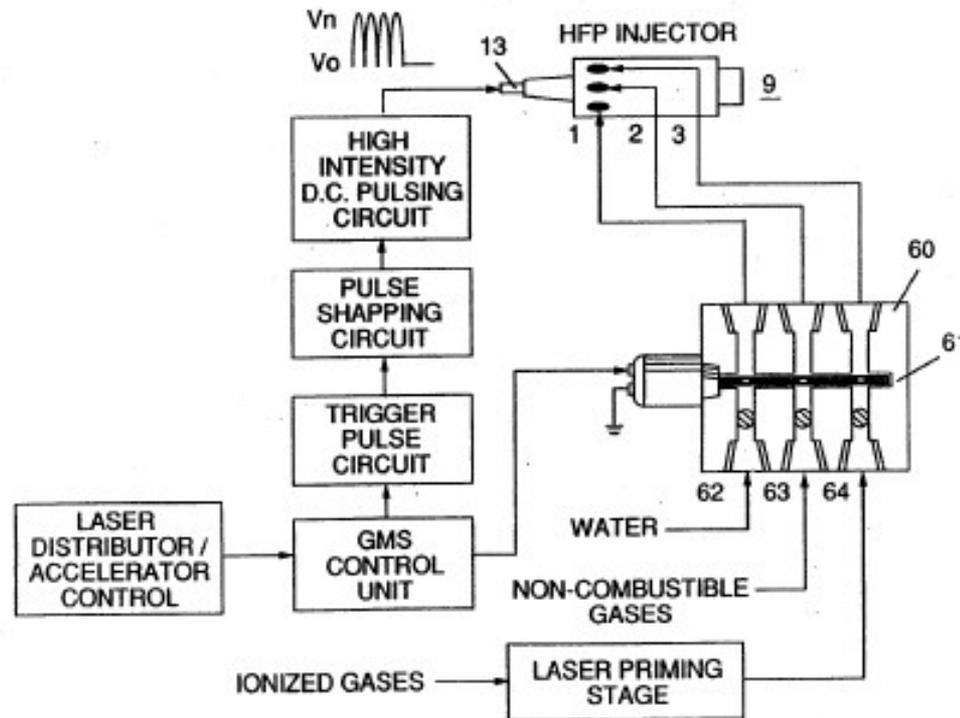
Circuit for Injector



Canada Patent # 2,067,735

<http://www.rexresearch.com/meyerhy/2067735.htm>

Meyer Water Injector



Canada Patent # 2,067,735

<http://www.rexresearch.com/meyerhy/2067735.htm>

Xogen Power, Inc.

Xogen Technologies, Inc.



<http://www.xogen.ca>

Stephen Barrie Chambers

(12) **United States Patent**
Chambers

(10) Patent No.: **US 6,790,324 B2**
(45) Date of Patent: **Sep. 14, 2004**

(54) **HYDROGEN PRODUCING APPARATUS**
(75) Inventor: **Stephen Barrie Chambers, Calgary (CA)**
(73) Assignee: **Xogen Power Inc., Calgary (CA)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 207 days.
(21) Appl. No.: **10/180,855**
(22) Filed: **Jan. 25, 2002**
(65) Prior Publication Data
US 2002/0079453 A1 Dec. 5, 2002

Related U.S. Application Data

(63) Continuation of application No. 09/608,316, filed on Jan. 30, 2000; now Pat. No. 6,419,815, which is a continuation of application No. 09/105,023, filed on Jan. 26, 1998, now Pat. No. 6,126,794.
(51) Int. Cl.⁷ **C28D 1/00**
(52) U.S. Cl. **204/242; 204/207; 204/272; 204/276; 204/293; 204/278.5**
(58) Field of Search **204/242, 267, 204/205, 276, 272, 278.1; 205/028-032**

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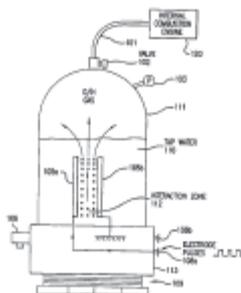
* cited by examiner

Primary Examiner—Donald R. Valentine
(74) Attorney, Agent, or Firm—Stoel Rives LLP

(57) **ABSTRACT**

An apparatus for producing orthohydrogen and/or parahydrogen. The apparatus includes a container holding water and at least one pair of closely-spaced electrodes arranged within the container and submerged in the water. A first power supply provides a particular first pulsed signal to the electrodes. A coil may also be arranged within the container and submerged in the water if the production of parahydrogen is also required. A second power supply provides a second pulsed signal to the coil through a switch to apply energy to the water. When the second power supply is disconnected from the coil by the switch and only the electrodes receive a pulsed signal, then orthohydrogen can be produced. When the second power supply is connected to the coil and both the electrodes and coil receive pulsed signals, then the first and second pulsed signals can be controlled to produce parahydrogen. The container is self-purged and the water within the container requires no chemical catalyst to efficiently produce the orthohydrogen and/or parahydrogen. Heat is not generated, and bubbles do not form on the electrodes.

16 Claims, 10 Drawing Sheets



U.S. Patents:

6,126,794 (2000)

6,419,815 (2002)

6,790,324 (2004)

Xogen Power Inc.



Chambers Patents

- Up to 40 stainless steel electrodes
- 1 mm spacing, no electrolyte
- 10 – 250 KHz square wave
- 90% duty cycle
- 12 V, 0.3 amps (3.6 watts)
- Produces 1 psi of gas per minute
- **Ran 1 KW Honda Generator**

Paul Zigouras



Electrolyzer

<http://www.panacea-bocaf.org/paulzigouras.htm>



Paul Zigouras

- Water Car: 1998 Ford Crown Victoria
- 3 mpg city, 6 mpg highway
- Top speed 47 mph
- eBay auction electrolyzer circuit
- Suppression story:

http://www.stmarystoday.com/News/Jarboe_031807.html

- Company:

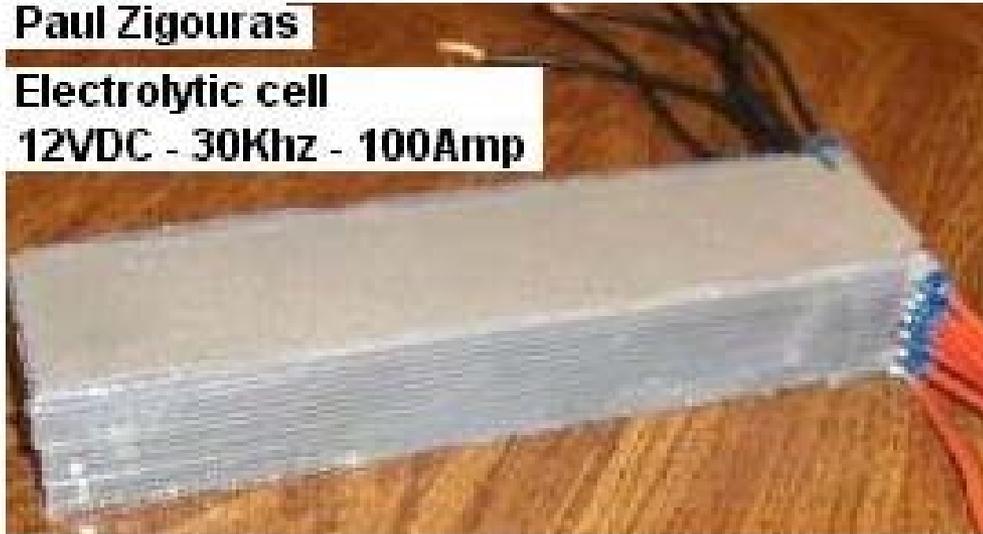
Old: <http://www.zigourasracing.com>

New: <http://zigourasengineering.com>

Zigouras Electrodes

Paul Zigouras

Electrolytic cell
12VDC - 30Khz - 100Amp



316 Stainless Steel Plates

Spacing 0.6 mm

<http://essenceciel.tk.free.fr/phpBB2/viewtopic.php?t=420>

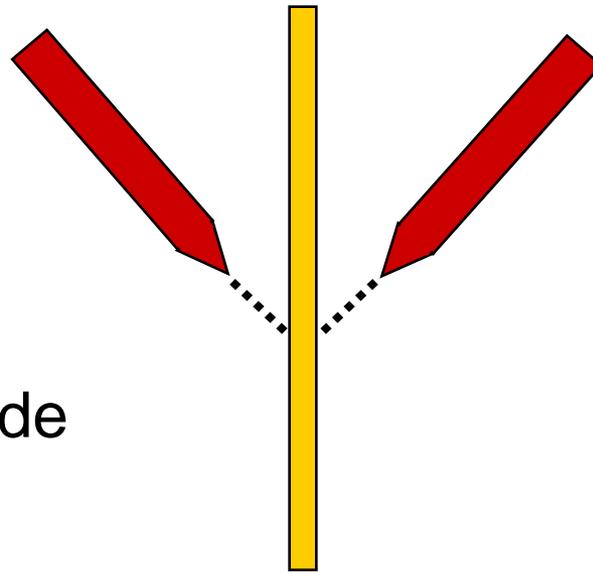
Zigouras Sand Blasting

45 Degree Angle

40 – 45 Grit
Silicon Carbide

Clean with
Ammonia Solvent

316L Stainless Steel Plate



Zigouras Media Blaster



Zigouras Engineering



[Play](#)

12 V DC 90 Amp Tap Water 16 plates

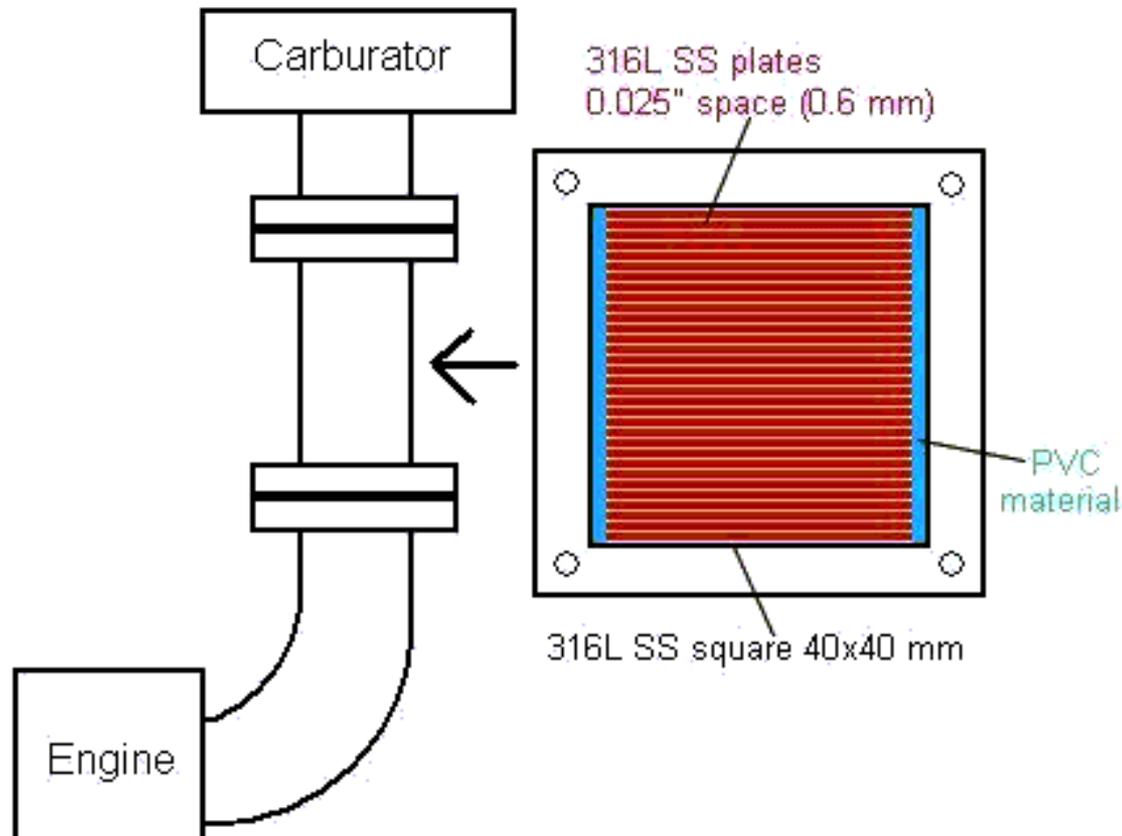
http://www.youtube.com/watch?v=JosdqBMg_mk



Zigouras Electrolyzer

- Stainless steel 316L (nickel alloy)
- Sand blasted
- 32 parallel plates, spaced 0.6 mm
- 40 KHz square wave, 12 volts
- Frequency modulation: +1 to -3 KHz
- 3 second period
- Converted 2 gallons per minute

Vacuum of Venturi Feed

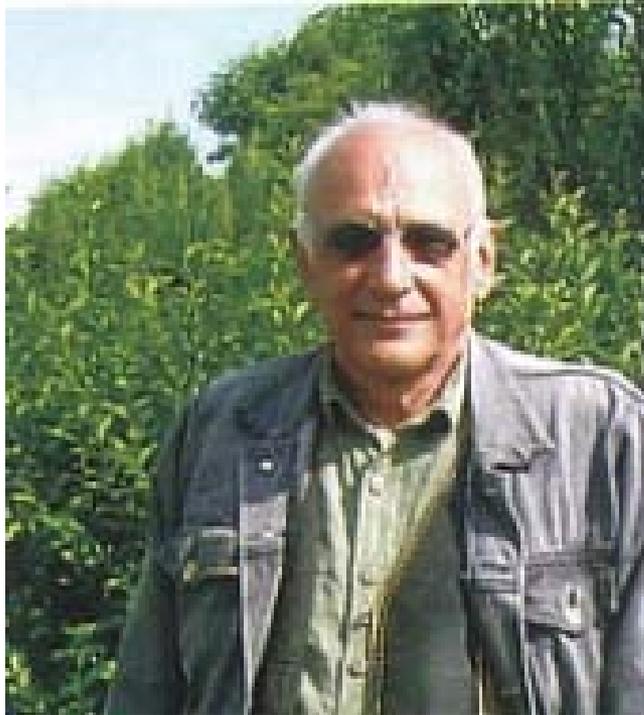




Successful Replications

Sharing of Details

Dave Lawton



Replicated Stan Meyer's Electrolyzer

Patrick Kelly, <http://www.free-energy-info.co.uk/> Chap 10, p 114

Dave Lawton



[Play](#)

Patrick Kelly, <http://www.free-energy-info.co.uk/> Chap 10, p 114

Lawton Concentric Cylinder Electrodes

316L Stainless Steel

Height 5 in

Diameters 1 in

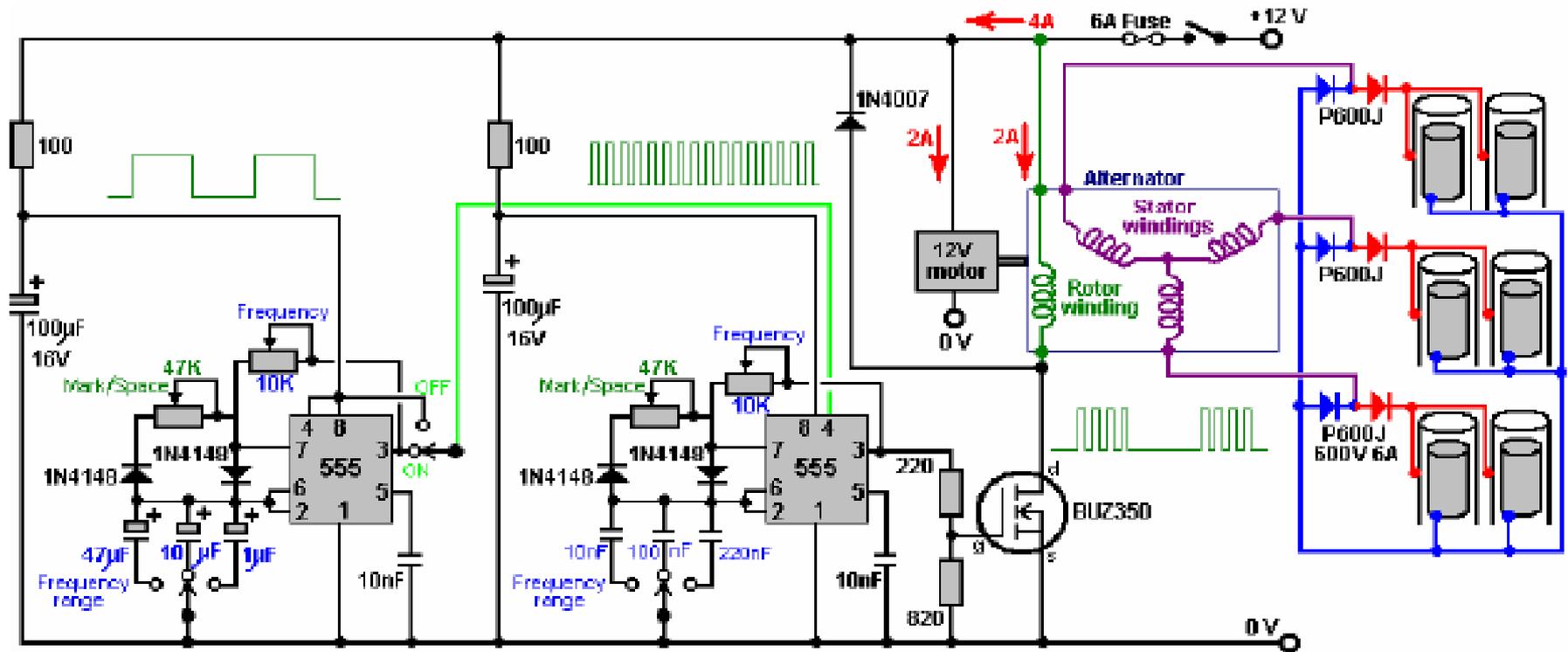
$\frac{3}{4}$ in

Gap $\frac{1}{16}$ in

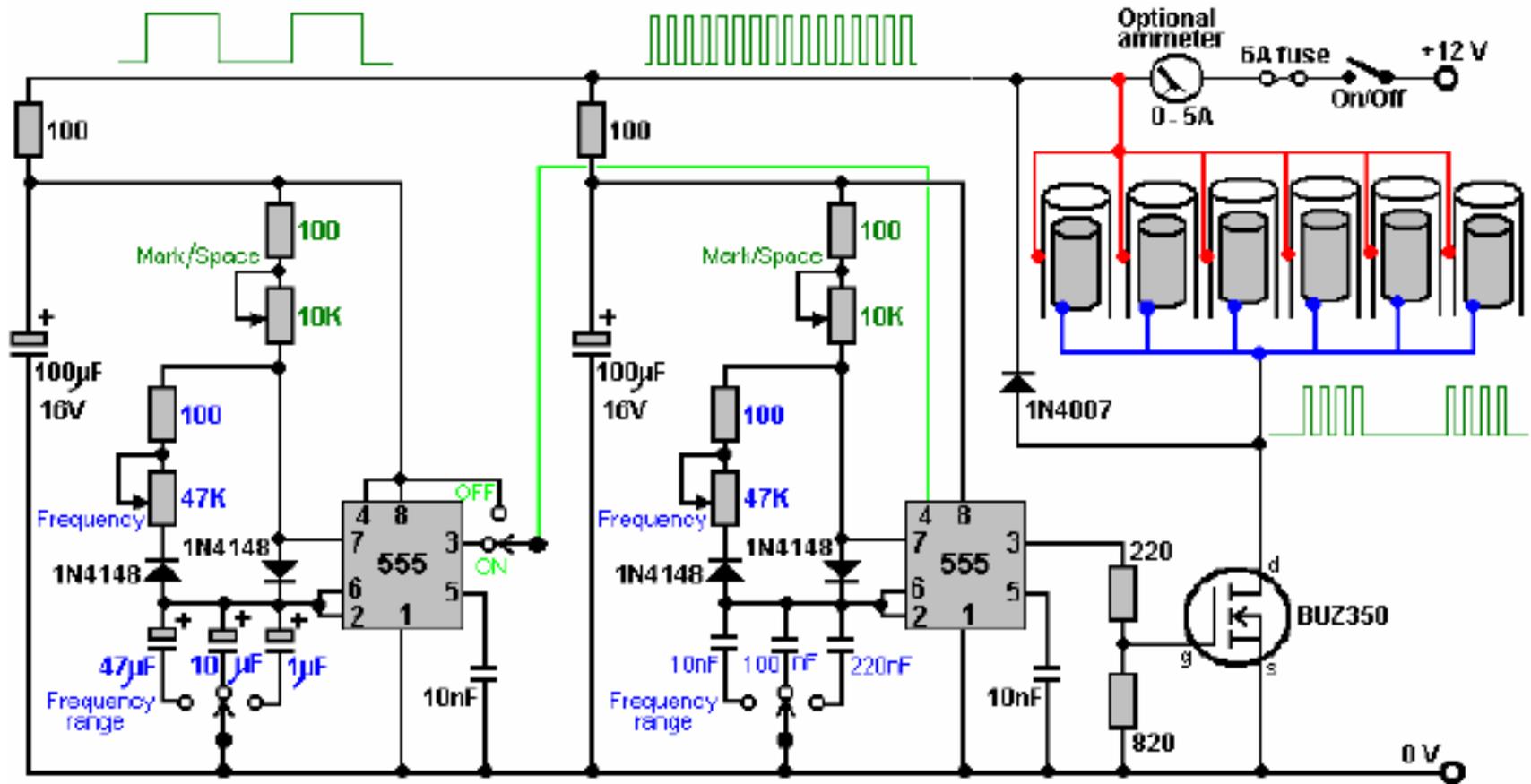
(1.59 mm)



Lawton Original Driver Circuit

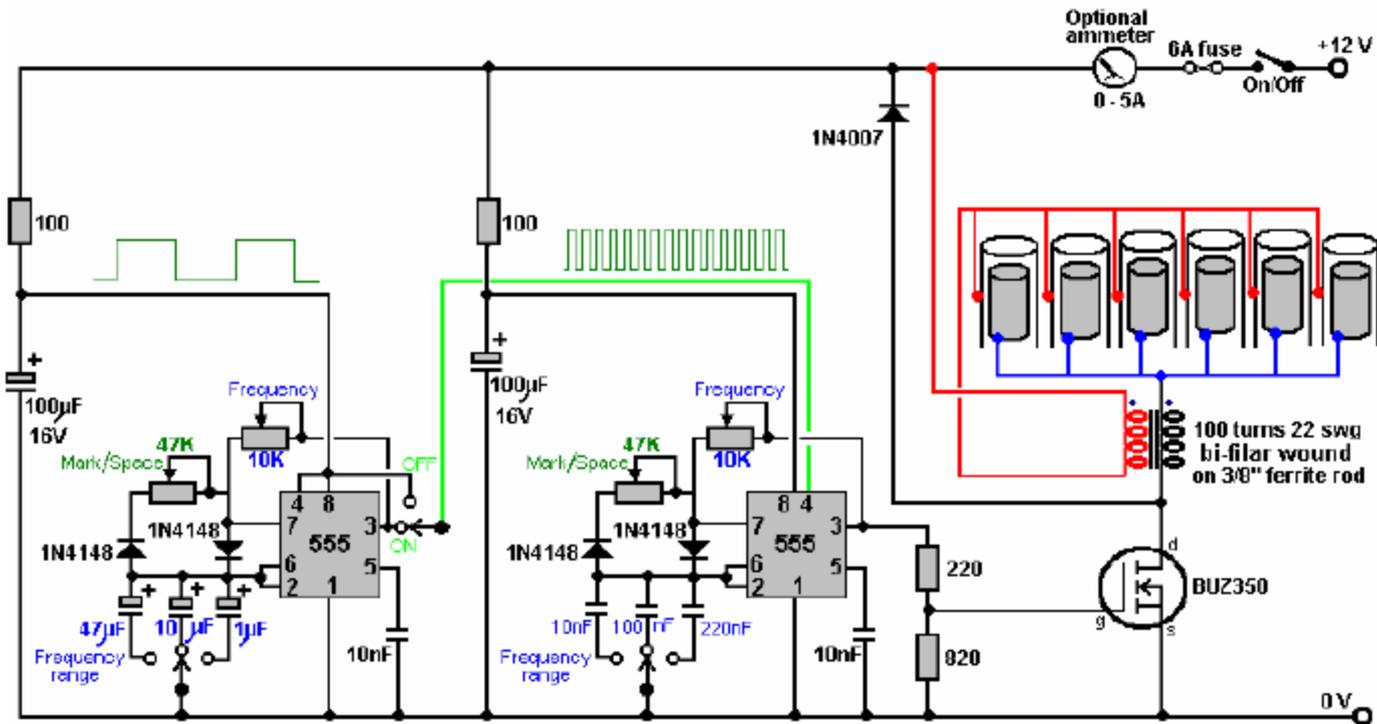


Lawton Simplified Driver Circuit



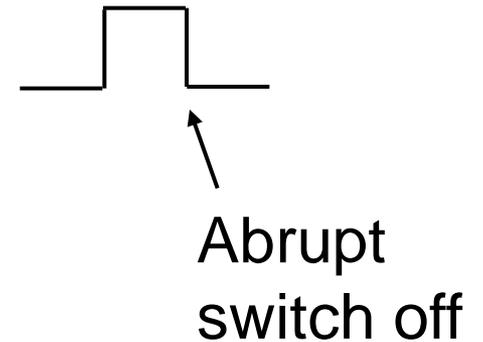
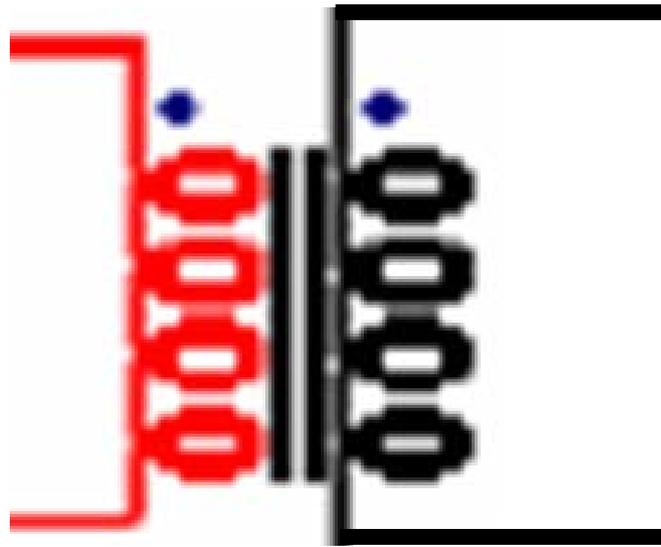
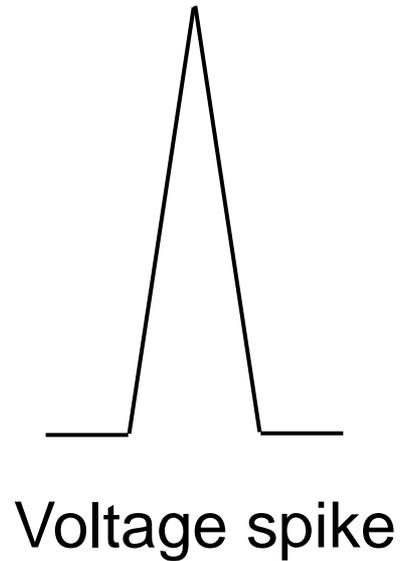
Lawton Driver Circuit

Bifilar Ferrite Coil



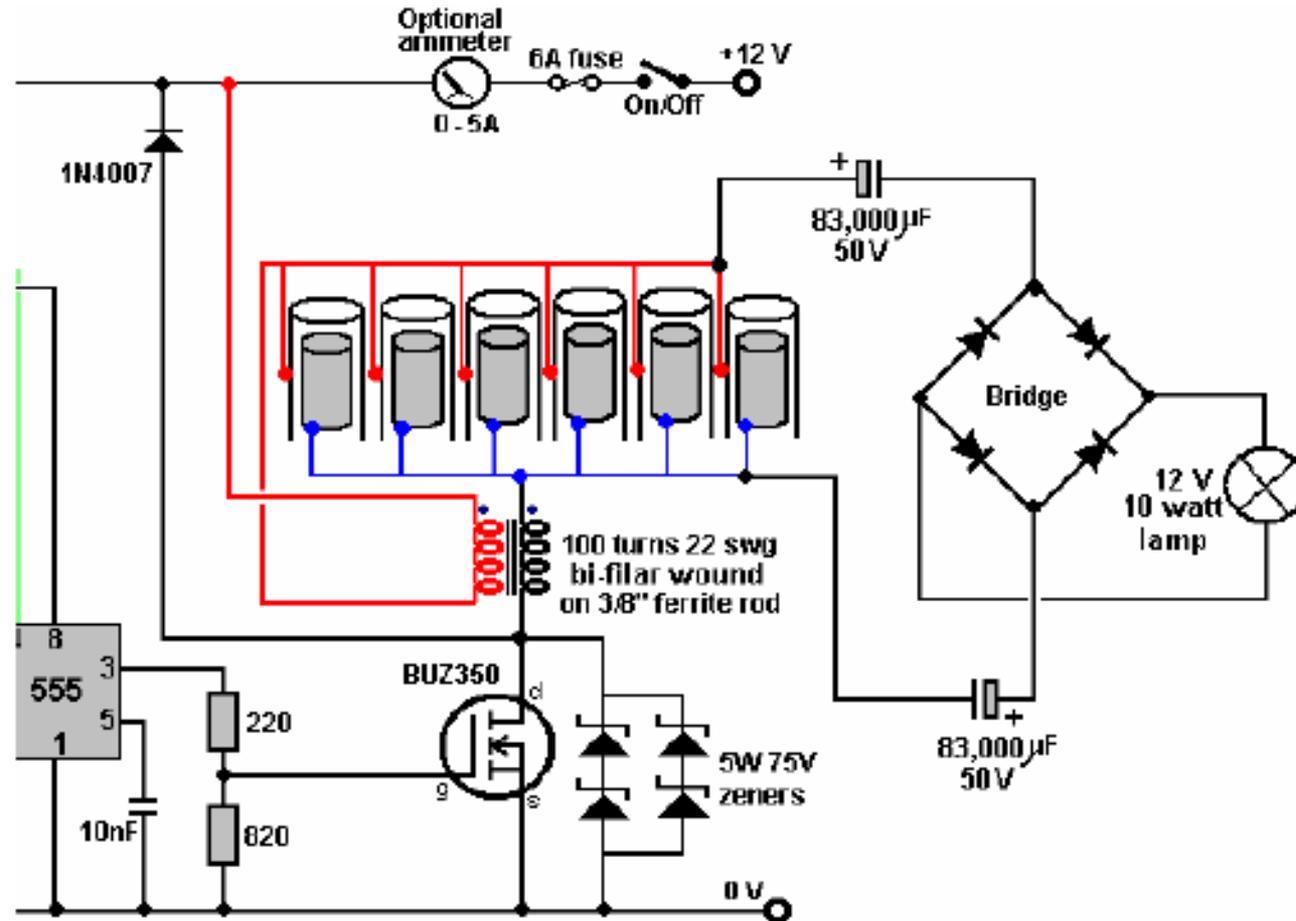
Switching induces sharp, 1200 volt spikes

Inductive “Kick”



$$V = L \frac{di}{dt}$$

Lawton Driver with Coil and Load



Ravi Raju



Conditioning Electrodes

<http://www.hotlinkfiles.com/browse/srawofni/33693>



Ravi Raju



Conditioning Electrodes

<http://www.hotlinkfiles.com/browse/srawofni/33693>

Conditioned Surface is White

Chromium Oxide? Nickel Oxide?



[Play](#)

<http://www.panaceauniversity.org/Ravi+Cell.pdf>



Conditioning in Tap Water

0.5 A	25 minutes	Stop 30 minutes
1 A	20 minutes	Stop 30 minutes
1.5 A	15 minutes	Stop 20 minutes
2 A	10 minutes	Stop 20 minutes
2.5 A	5 minutes	Stop 15 minutes
3 A	2 minutes	Air dry 1 hour

Change water, repeat cycle

1 Month

<http://www.panaceauniversity.org/Ravi+Cell.pdf>

Ravi Success



[Play](#)

12 Volts 0.51 Amps Pulsed

<http://www.youtube.com/watch?v=-1IScTsHBkQ>

<http://www.panaceauniversity.org/Ravi+Cell.pdf>



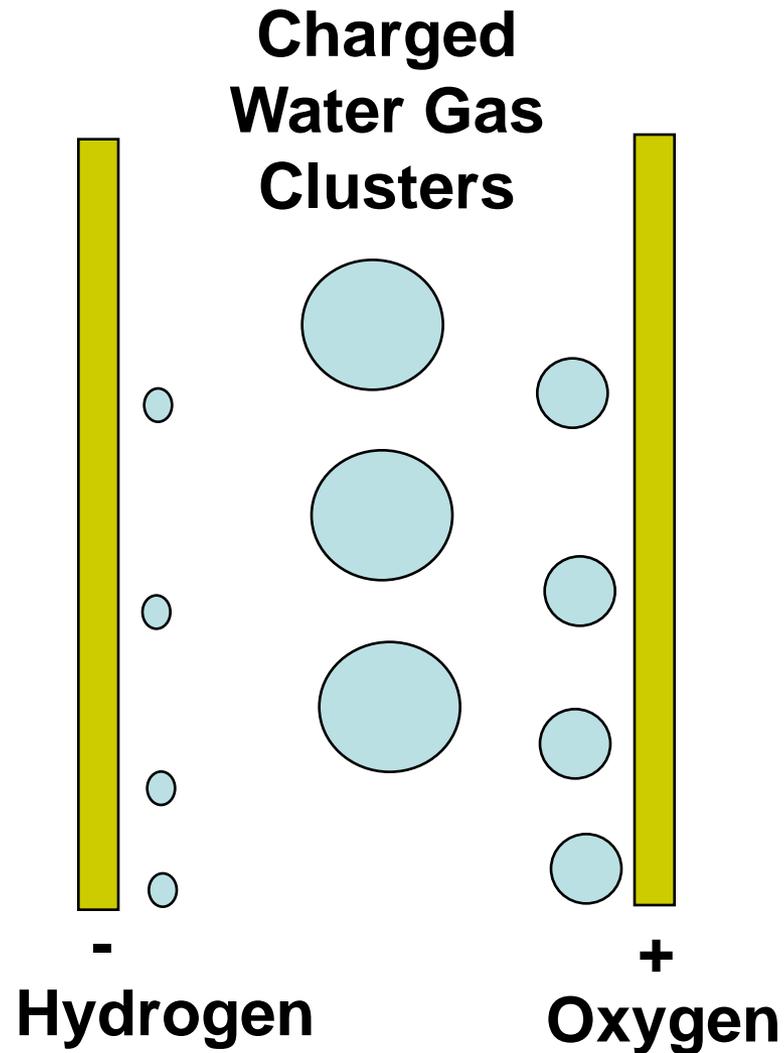
Conditioning with Electrolyte

- Sandpaper 60 – 80 grit, cross hatch pattern
- Potassium hydroxide 5-10% solution
- Repeat until free of crud:
 - D.C. Voltage, 4 amps, several hours
 - Rinse with distilled water
 - Remove brownish residue from water
- **3 Days**
- Steel exhibits rough, white surface
- After conditioning, electrolyte not needed



Emitting Surface

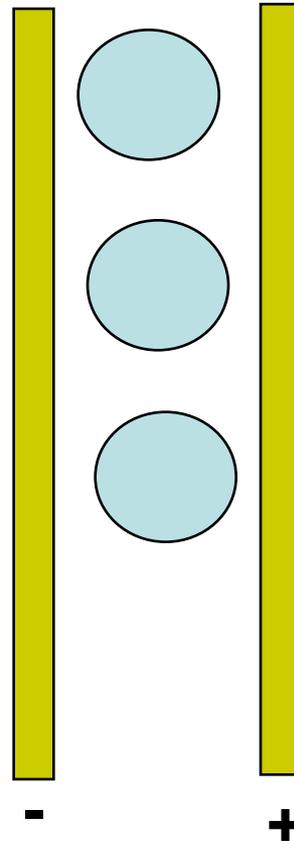
Three Types of Bubbles



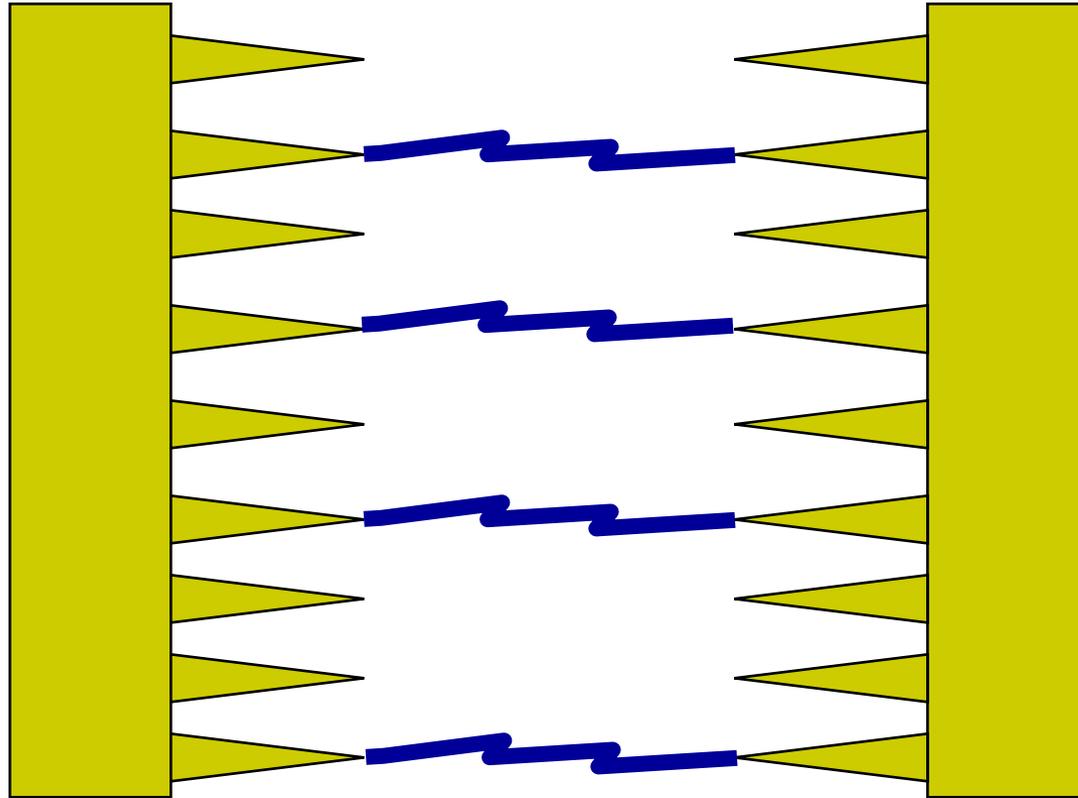
Tight Gap < 1 mm

Charged
Water Gas
Clusters

Hydrogen Atoms
&
Oxygen Atoms
Join the cluster



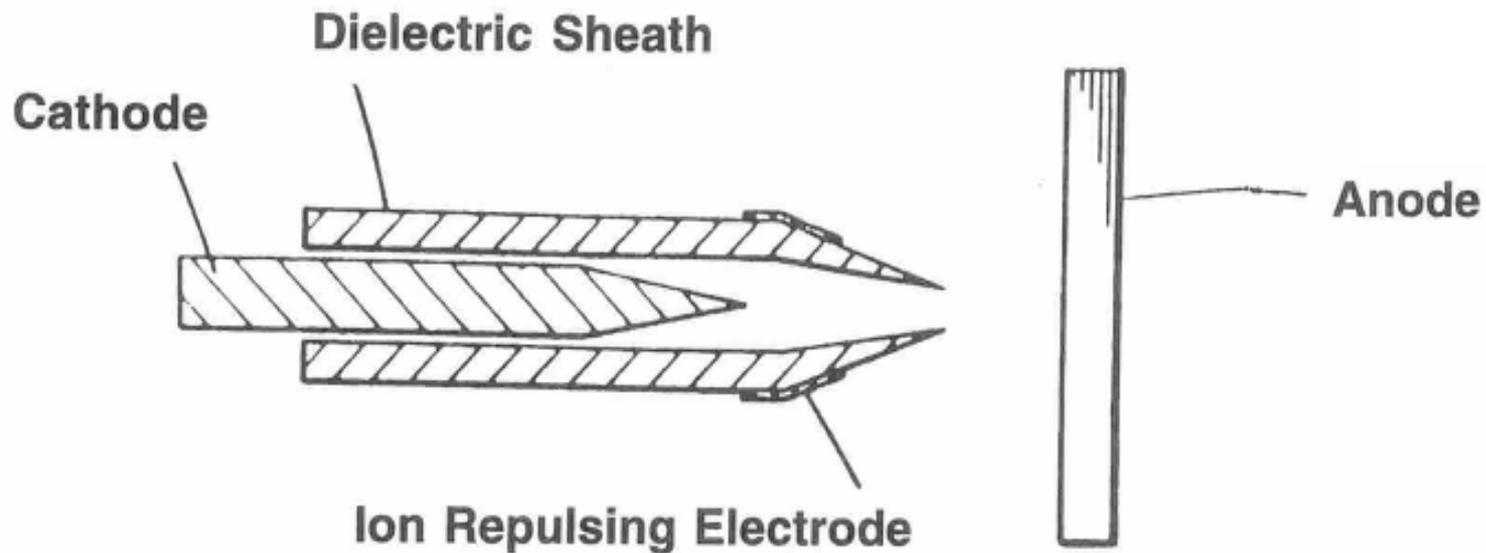
Microscopic Sharp Pointed Surface



Would launch sparks in air
at low pressure

Pure EV Launcher

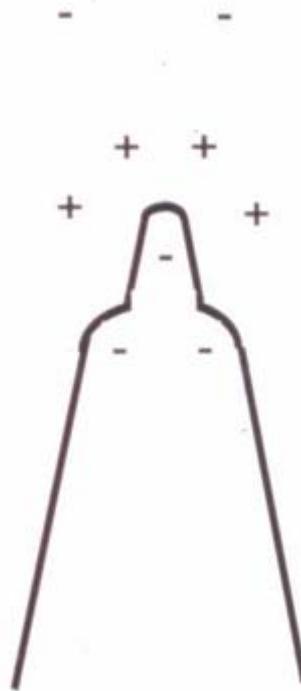
(Cross Section of Cylinder)



Shoulders, U.S. Patent # 5,018,180 (1991)

Liquid Metal Protuberance

Glow Plasma

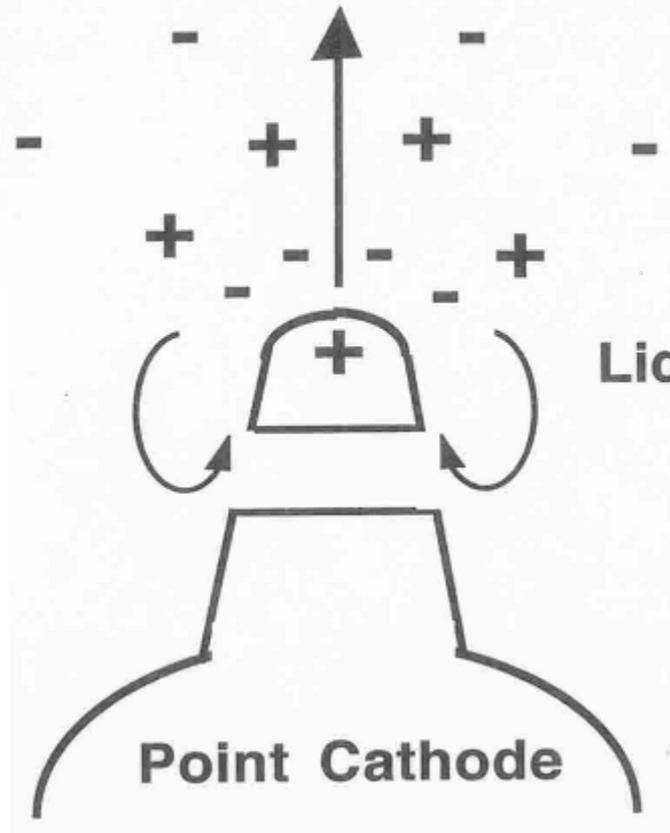


Point Cathode

Mesyats, Proc. 17th Int. Sym. on Discharges and Electrical Insulation in Vacuum, 720 (1996)

Explosive Emission

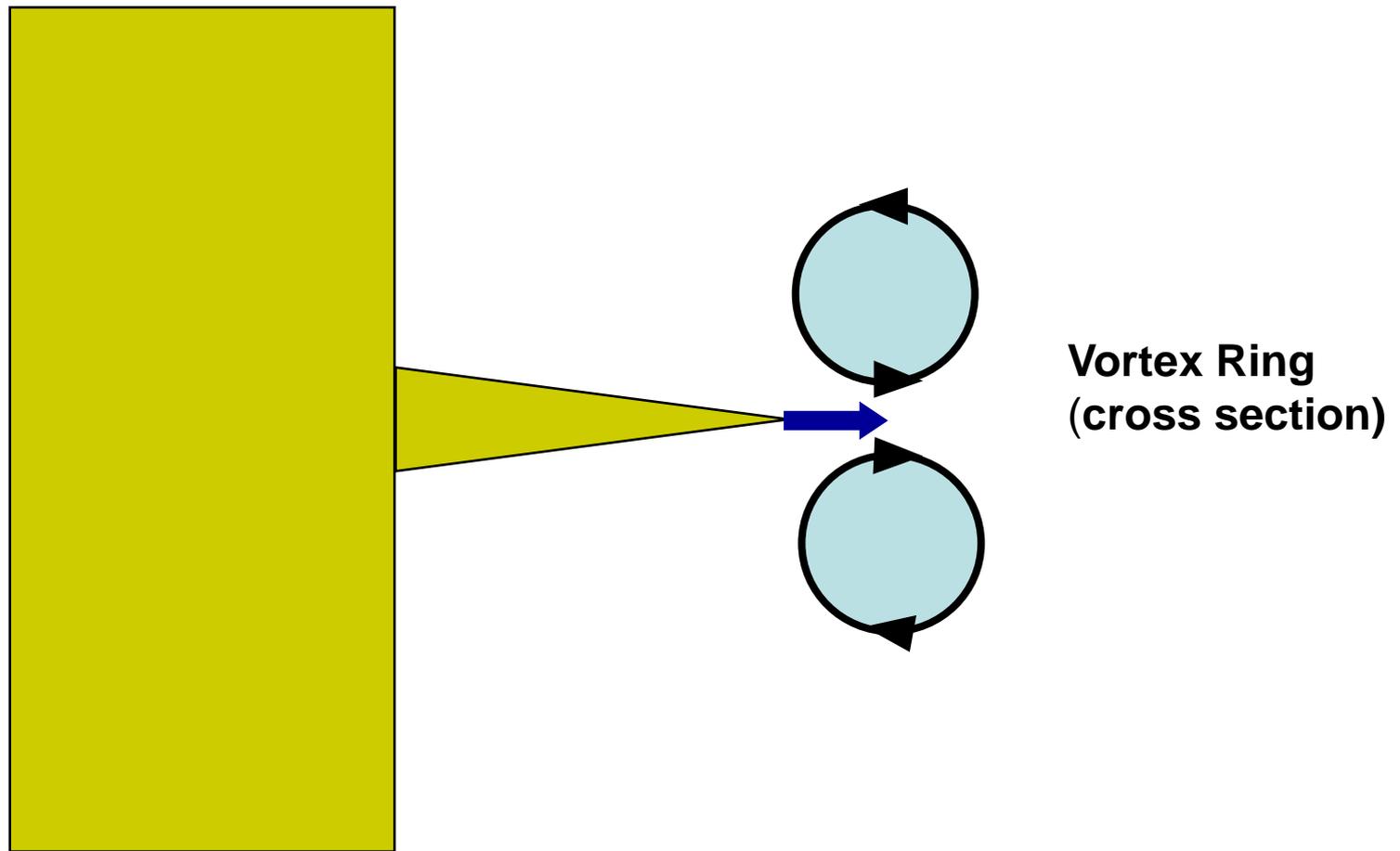
Glow Plasma



Liquid Metal Tip

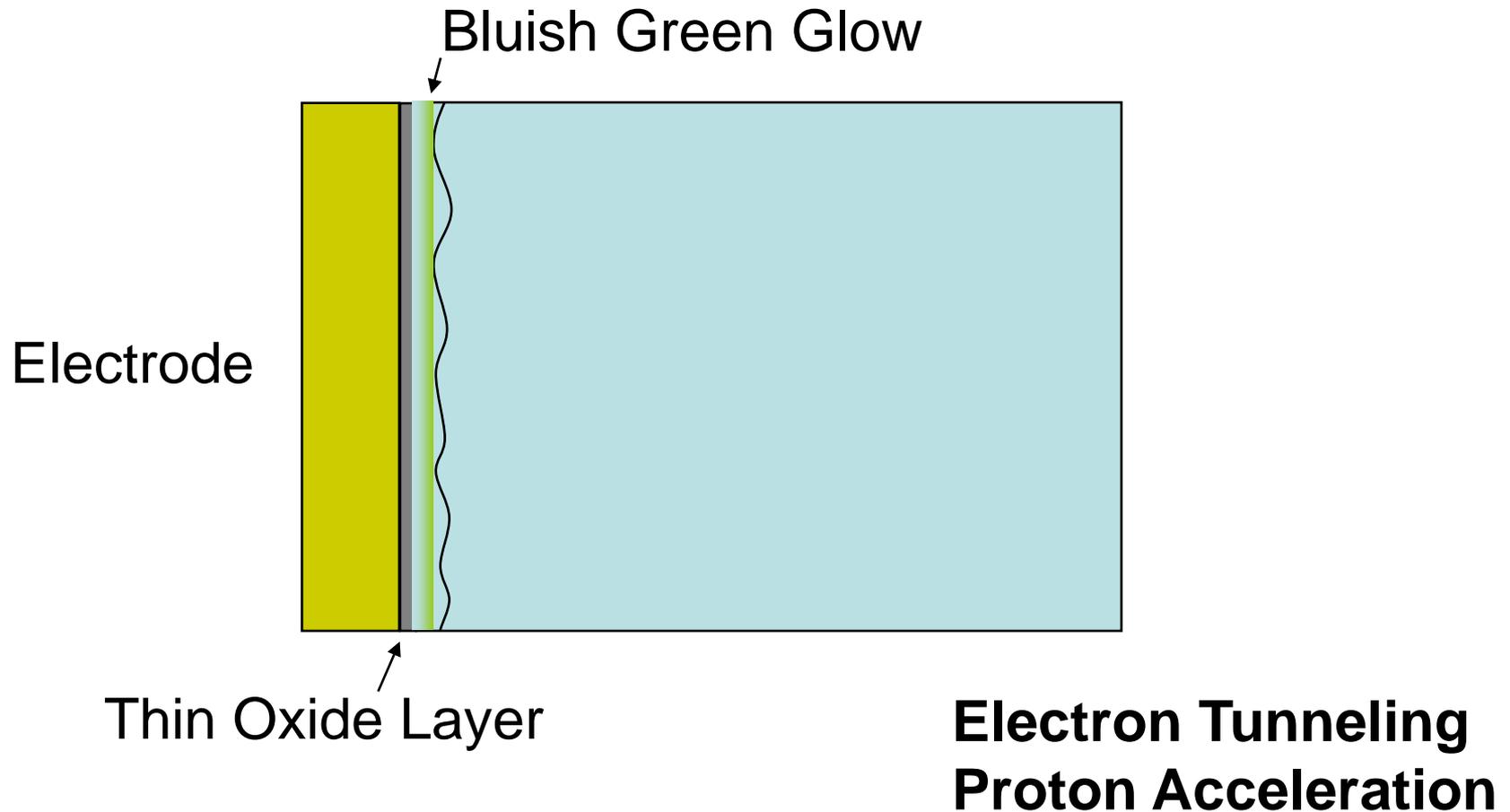
Point Cathode

Sharp Pointed Surface



Launch vortex ring water clusters?

Huge Electric Field Across Thin Dielectric Layer



Horace Heffner

<http://www.mtaonline.net/~hheffner/GlowExper.pdf>



Huge Electric Field Across Thin Dielectric Layer

- Semi Conductor Diode Behavior
- Polarization Stress
- Micro Dielectric Breakdown
- Abrupt Discharge Events
- Fractoemmission
- EVO Formation
- Charged Water Cluster Formation

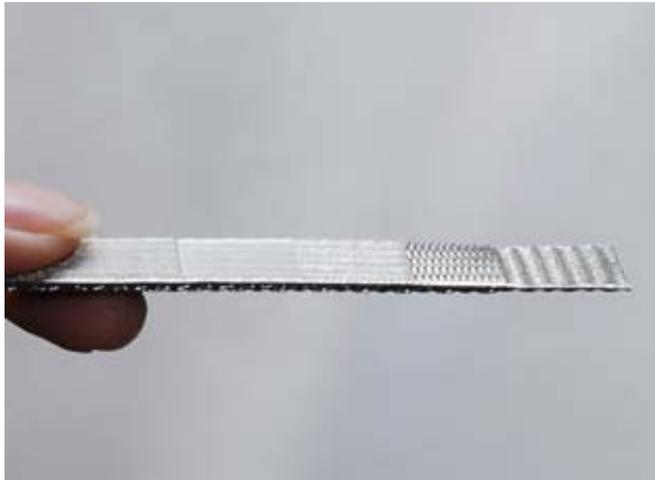


Two Hypothesis for the Electrode Surface

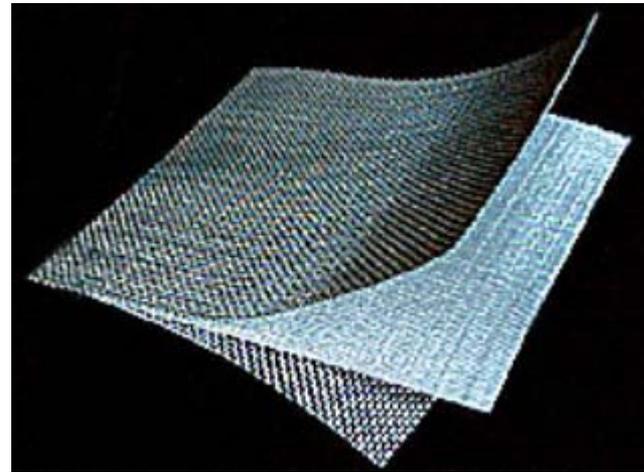
- **Rough, Sharp and Pointy**
- **Thin Dielectric Layer**

What is the whitish material?

Sintered Stainless Steel



1 to 140 micron mesh

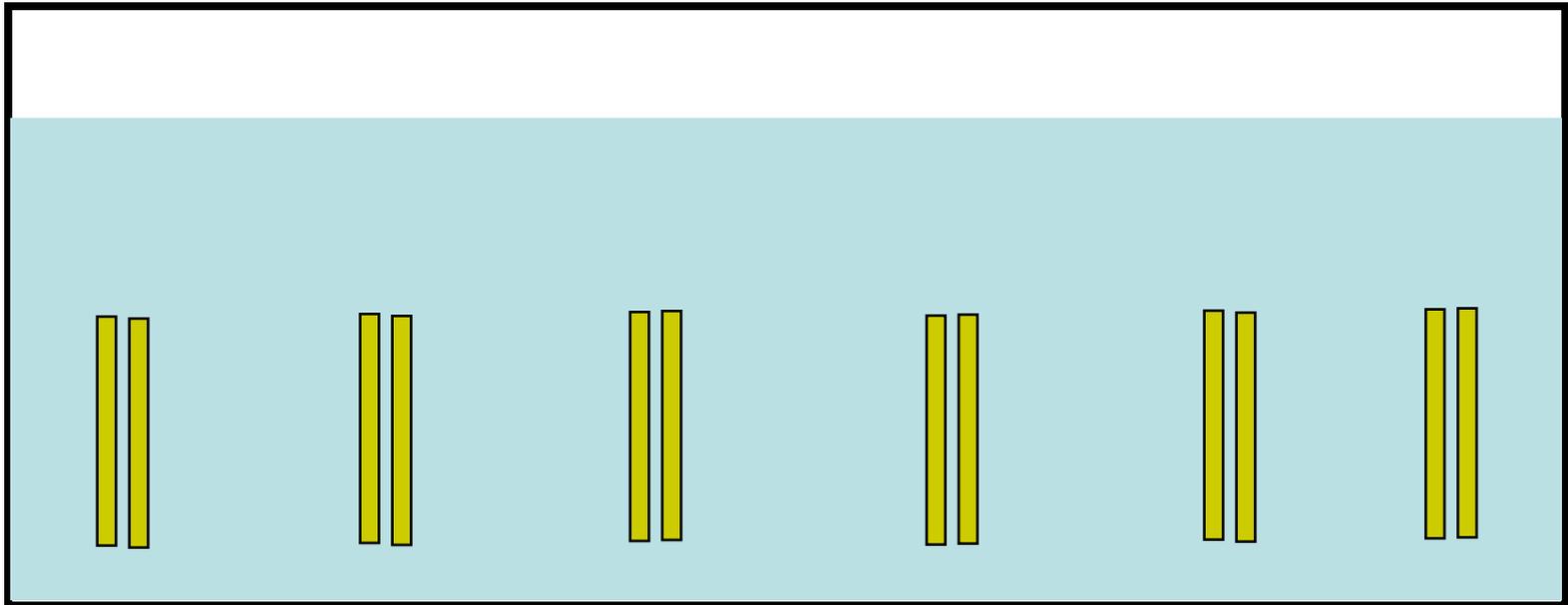


\$8 swatch (1 x 1 inch)

<http://www.twpinc.com>

Study Electrode Pairs

316L Stainless Steel



**Sintered
10 micron**

**Sintered
50 micron**

**Sintered
100 micron**

**KOH
Conditioned**

**Sand
Blasted**

etc...



Electrode Competition:

Properly Conditioned

Versus

Poorly Conditioned

Zigouras Electrodes



[Play](#)

Walter McNichols

<http://www.youtube.com/watch?v=dkT9TpdIVzs>



Myth Busters



[Play](#)

<http://www.youtube.com/watch?v=ydEkV-E0mP8>



Summary



Summary

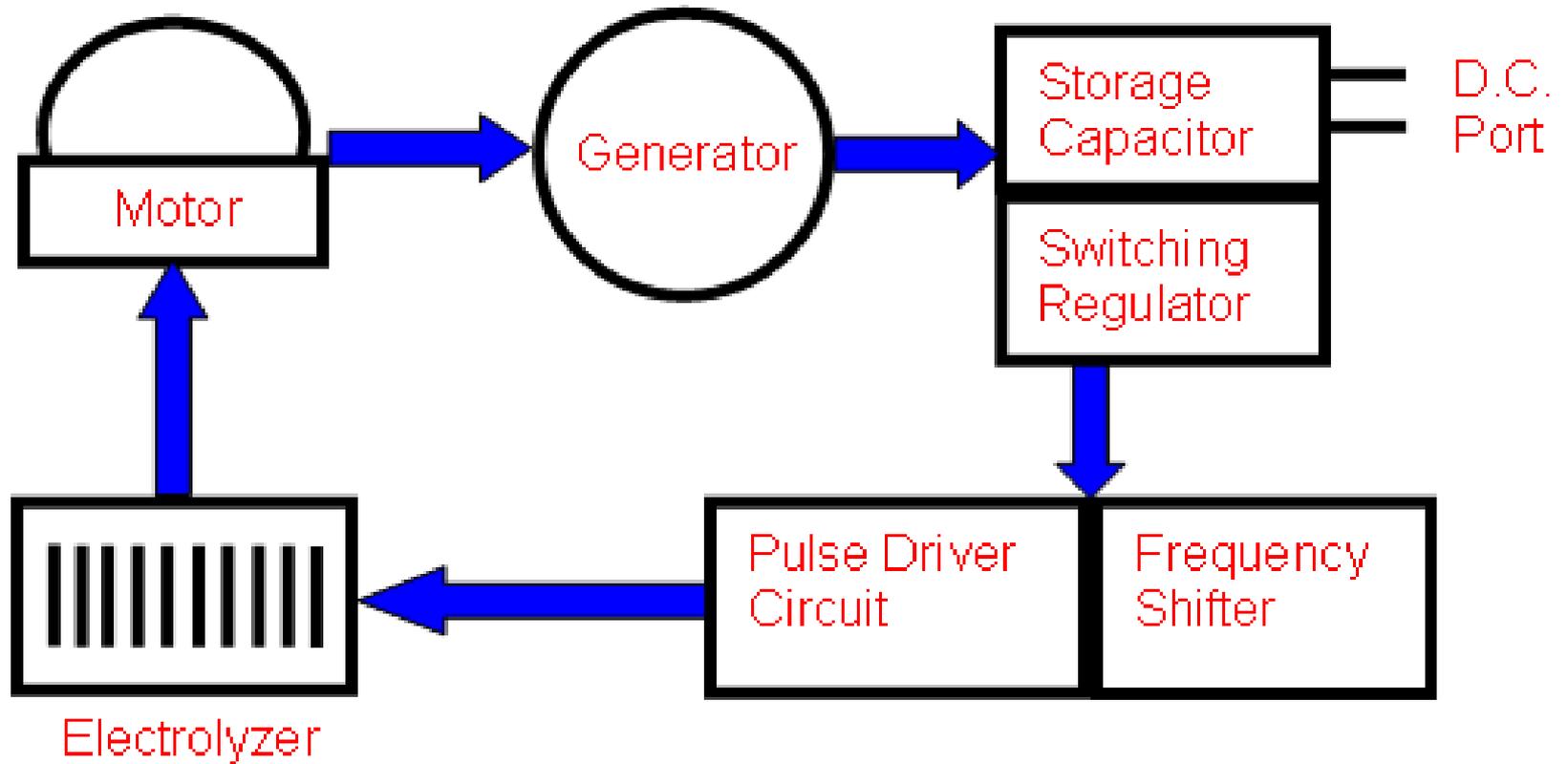
- Pulsing electrolyzers make charge water gas clusters
- They exhibit anomalies similar to plasma charge clusters
- Energy **Not** from Hydrogen
- ZPE coupling occurs via Cavity QED



Simplest Electrolyzer

- Stainless steel electrodes (316L)
 - Rough, pointy surface
 - Clean, conditioned
- Small gap < 1 mm
- Electrical Drive: Large voltage spikes, minimize current
- Wobble frequency around 40 KHz
- Optimize gas output

Make Closed Loop System



Self Running



Change the World

- Create a self-running system
- Simplify it
- Post information on web

<http://www.panacea-bocaf.org>

<http://tech.groups.yahoo.com/group/watercar/>

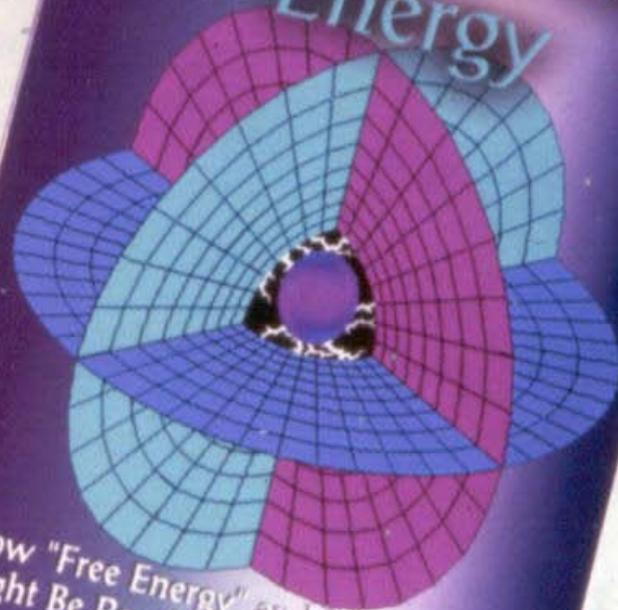
<http://peswiki.com>

Quest For Zero Point Energy

Engineering Principles
For "Free Energy"

Moray B. King

Tapping The Zero-Point Energy



How "Free Energy" and "Anti-Gravity"
Might Be Possible with Today's Physics

Moray B. King

THE ENERGY MACHINE OF T. HENRY MORAY



Zero-Point Energy &
Pulsed Plasma Physics

Moray B. King



Questions?

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