Brown Gas the mechanism of the obsucurity-V2   2013/6/30, 7/1, 7/8

☞:the former version should be abandoned and was **vastly revised at this time**.

Brown gas **implosion** by burning become a catalyzer field to reduce electrical field in those enviroment, which become equivalent to cause higher temperature for metal melting. A **particle**(whether it has unipolar charge,or neutral)**density increasing(**by implosion in Brown gas) can cause charge implosion effect in general.**Charge Implosion** means **reducing coulomb force** for chemical bonding to cause free particle(high temperature). This view could explain **the obscure features of Brown gas**.The key concept are **gas implosion**, **charge implosion**,and **charge density wave(CDW)**.

⑴**What is Brown Gas ?!.**

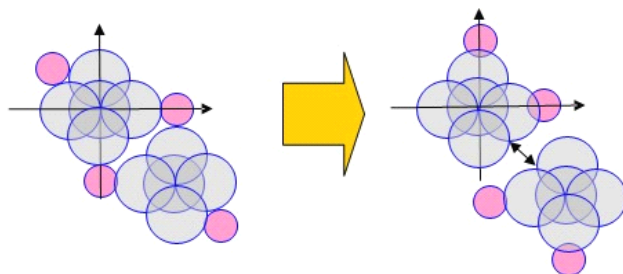See **APPENDIX_1.**

⑵**The initial motive for the hypothesis.**

Brown gas is composed form {**hydrogen＝2、 oxygen＝1,water＝1**}(Japanese).

http://www14.plala.or.jp/mrchild/browngas.htm

Brown gas is not **di-atomic{H_2,O_2},but mono-atomic{H+,O_{-2}}.**

http://www.eagle-research.com/browngas/whatisbg/whatis.php

From above informations from USA & Japan,author guessed Brown Gas as follows.

quntuma chemistry (orbital theory)implies **Rugby Ball Model with almost charge neutral density.**

Circle blue is **O**'s orbital($2d_x,2d_y,2d_z$),red cycle means **H**'s 1s orbital.Blue mean 2O,red means 4H.　Above arrow is H4O2 burning implosion reaction to 2H2O(water).This is authors guessing. Is this really all right ??,the answer should be asked chemists please !!. Charge neutral might be favorable for gas burning implosion,because of less potential barrier by surface electron clouds **acting for repulsive force in the same (negative) charges.** The most key concept in this report is implosion causing rapid **increasing of particle density** which **decreases electric field intensty** in the field**(charge implosion)**. Author alredy had gotten strong varidity causing charge implosion by gas implosion,then, remarkable features for Brown Gas become to be explained by **standard physics**!.

http://www.777true.net/Real-Image-of-quantum-Chemical-Reaction.pdf

This proves **particle density increasing** in many charged body system could cause **less electric field intensity** and **free particle-nization** by potential barrier decreasing.Then it is particle density only that causes **charge implosion**,but not what charge particle has.

⑶**higher particle density causes less electric intensity !!!(charge implosion)**.
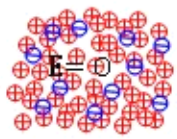
High crowded

Lets imagine crowded people,where the density tend to be more monotonous as more crowded. Electric intensity **E** is caused form **charge density gradient**.Wtihout gradient,E＝>0.This is equivalent to charge vanishing(**charge implosion**).This is rather a paradox !!!.
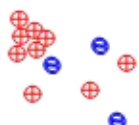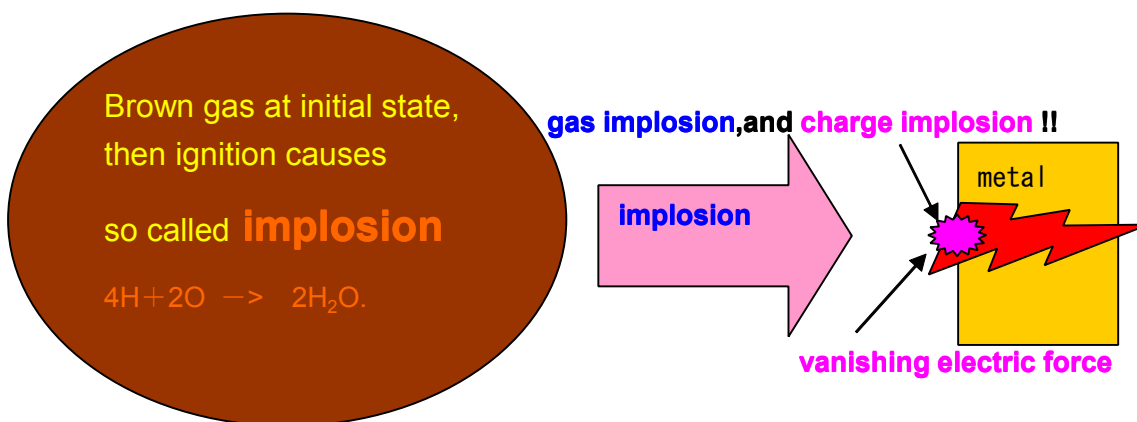
Low crowded

High charge density with monotonous distribution(grad ρ～0) causes less weak electrical field＝**E**～0.
□Φ＝－ρ/ε .→□**E**＝grad ρ/ε ＝0．→**E**＝0
This is also cause of making free particle by **CDW**(charge density wave)

⑷**Curious temperature dependency of Brown gas burner** for various matter field is due to **burning implosion** which is simultaneously nothing,but **charge implosion**.

Brown gas at initial state, then ignition causes

so called **implosion**

$4H+2O \longrightarrow 2H_2O.$

gas implosion,and charge implosion !!

implosion

metal

vanishing electric force

It is **instantaneos volume shrinking** to a spot,1moll Brown gas(H_4O_2) may be 22.4 litter volume,then it becomes water of 36g(36cc).The shrinkign is nothing,but **particle density explosive increasing**.Which is generating **less electrical field** around implosion field and is also so called **Coulomb Implosion** to destruct chemical bonding(solid metal melting by **quasi**-higher temperature).

∗Definition of thermodynamic temperature.
$dS＝dE/T$：entropy definition with temperature T. → $dS/dE＝1/T$.
Higher temperature($1/T≒0$) means less entropy increasing by increment of unit energy E. That is,dynamical state has almost nothing freedom to **be more chaotic**.It may be hot gas and plasma **state with less chemical bonding**(almost free particles state).

⑸Charge implosion may be effective for **metal surface** covered rather dense electron density. While such as skin surface without charge density may be less effective.

⑹**Dense Charge Density Field could cause Room Temperature Nuclear Fusion !.**

http://www.777true.net/img0010-General-Analysis-on-Room-Temperature-Nuclear-Fusion.pdf

Many report that Brown Gas is effective also to **neutralize radio active contaminants**.
Those might be caused from **nuclear fusion to stable state** ??,or **quick transition** of radiation active state to absolute stable ground one with no radiation ability ??.
If real,It is unexpected good news for who **dispose radiation active contaminants**.
＊Difficulty of **nuclear reaction** is strong electron cloud barrier around nuclei and strong charge of nuclei-itself which **intercept exterior interaction** to nuclei,thereby,once such **barriers** were vanished by **charge implosion** by Brown Gas,nuclear reaction could go.

⑺**How to make Brown Gas with higher efficiency ?!.**
＊Note author now is a bit learned for Brown Gas,so report at this time is coarse guessing.
It seems impossible to generate Brown Gas by merely adding $2H_2$ and O_2 gas with H_2O.
Because those seems not to react into H_4O_2,but except strong stiring and mixing those.
Non-ionized H2,and O2 gas are non favorable,but inonized OH- and H+ may be good to generate H_4O_2. **Many told it good to stir electrolysis water by bubbling.**
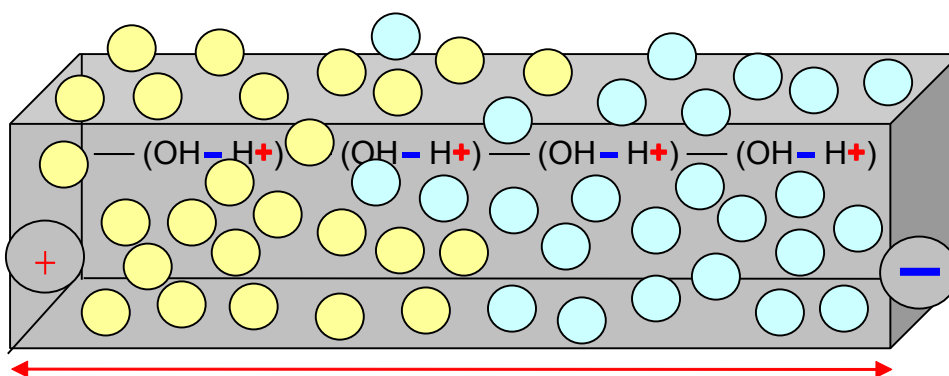
Maybe it would be effective that **the length** between cathode and anode becomes shorter in order to mix and stir { 2H+ and 2HO–} by bubbling to form H_4O_2+.

⑻**water cluster：the overview.**
http://www.lsbu.ac.uk/water/abstrct.html
Water is not such a ball of H2O,but very complicated clusters with many modes.

⑼STRONG PETITION to new energy inventors for "FREE PATENT".

Especially as for **new energy engineering**,the high cost is fatal to popularize !!!.

We must emergently accomplish transition to non-carbon energy,or we would be extincted by **Global Climate Collapse Hell** in few decades.Therefore,author strongly wish **free patent**. Now is not time to compete,but collaborate !!.Larger popularization would cause good benefit to all. Don't you think so ?

APPENDIX_1:What is Brown Gas(＝BG)?.

There are too many sites of BG to find comprehensible one.But none seems to explain the mechanism. BG might can be alternative with oil as so called "**free energy**".

http://www.nottaughtinschools.com/Yull-Brown/

http://brownsgas.com/

http://www.eagle-research.com/browngas/whatisbg/whatis.php

APPENDIX_2:Energy state levels in water components.

$E(\mathbf{H})=$**kinetic energy**＋**potential energy**$=mv^2/2-\varphi$(Coulomb force between particles)

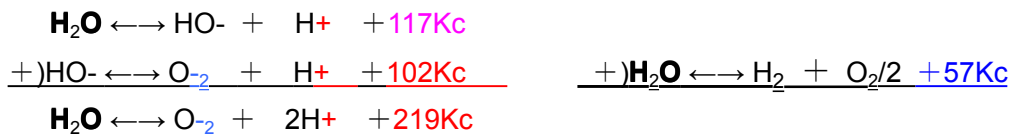$\varphi=$(coulomb force between charge $(Q_N Q_e)$particles)$=-Q_N Q_e/4\pi r$.

$\mathbf{H}\Psi=E\Psi$.... (quantum state equation with energy eigen value＝E).

Energy level definition$\equiv E(\varphi)(-|$chemical deassociation energy$|)$.

Citation:H.B.Gray,Electron and Chemical Bonding,W.A.Benjamin,NY,USA,1965.

**bonding deassociation energy.*

Transition Energys in water and the components

E＝**0**
H+ ＋ H+ ＋　O-- 　(mono atoms) H+ 　O-- ＋2H+
E= 0
HO- －101.5Kc
H_2 －103Kc
(di atoms)
－118Kc(59) $O_2/2$
"H_2O" 219＝102＋**117Kc**
E＝－**219Kc**
219-162(103+59))＝**57**

$H_2O \longleftrightarrow HO^- + H^+ + 117Kc$

$+)HO^- \longleftrightarrow O_{-2} + H^+ + 102Kc$ $+)H_2O \longleftrightarrow H_2 + O_2/2 + 57Kc$

$H_2O \longleftrightarrow O_{-2} + 2H^+ + 219Kc$
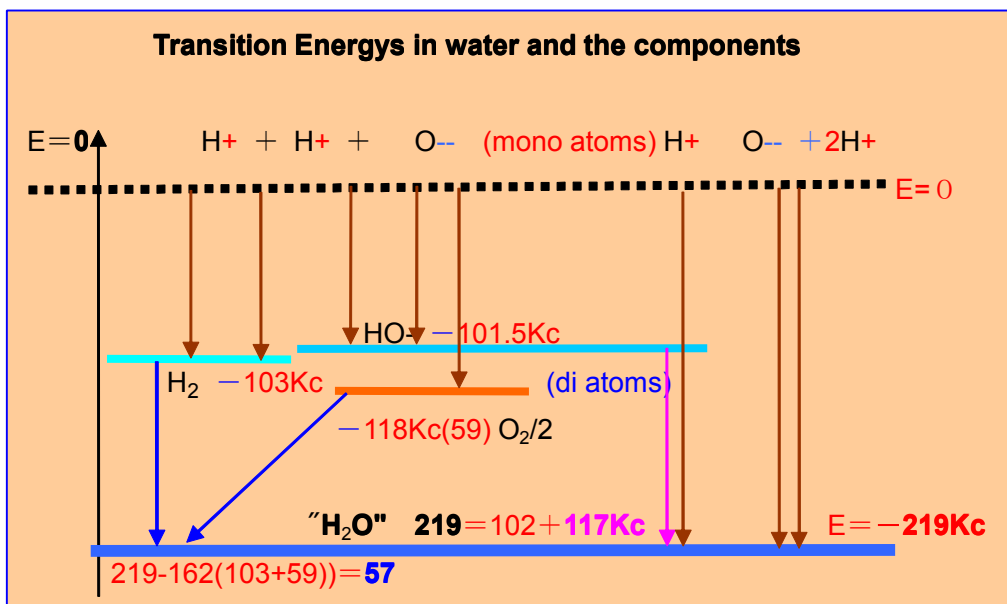
"Burning into H_2O from mono atom is 219Kc,while from di-atoms is 57Kc

They report that 219/57＝3.8 times larger !!!!". However over 100% efficiency never can be explained in this scheme !.

APPENDIX_3:Brief Summary on CDW(Charge Density Wave).

http://www.777true.net/BWG.pdf

(Following are picked citations from above site).

⑴An **electrical polarization** could generate both positive and negative charge and energy respectively and simultaneously.Let's suppose sudden appearing charge dot generating electrical filed＝E and causing **polarization** in dielectric matter(including vacuum space).

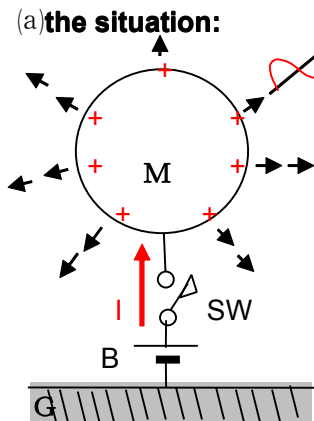＊(nothing)➜ ●+Q ┬➜ $E=Q/4\pi \varepsilon r^2$.(electrical field generation and propagation).

　　　-q ← ＊➜+q　E

0＝-q＋q(**electrical polarization**)with attraction force(negative energy) appears between the charges.While charge{-q,q} themselves generate positive energy.This polarization become **propagation as a wave**(this is **charge density wave**).

⑵**Monopole capacitor and the propagation of polarization domino:**

⒜**the situation:**　　　　　　G is earth of voltage＝0. B is battery connecting to

monopole anttena M through switch SW.M is a sphere of conducting surface.Making SW on causes M equi- voltage of B by flowing charge(current) on M.

The collctive charge is to **induce polarization around** M.

Then ➜ means forming dipole (-〜+).Then outer side of also are induced as ➜.Thus this induction is to propagate toward outer side of M.This is longitudinal electoro potential wave or charge density one or B wave.
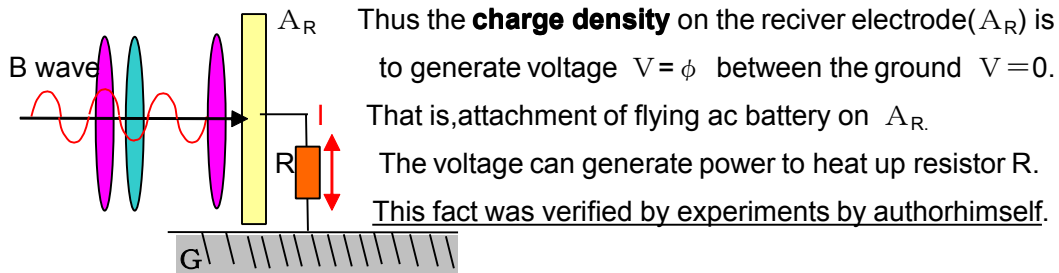
In above situatio,only the positive charge density of paropagation head surface is to propagate with decreasing its intensity as propagate goes on,and following wave are nothing.Therefore accomplishing stationary propagation, DC battery should be exchange to ac gnenerator.B wave has nothing magnetic one.

⒝The propagation is described by QED (and also in clasical one(CED)).

(3)Monopole anntena M is capacitor consuming nothing energy and also the
radiated **B wave** becomes so to say **"a flying ac battery with positive energy"**.

(a)As was mentioned in (2)(a),the propagation head surface is charge density ρ,
which has positive difeinite field energy density $\rho\,\phi>0$,where ϕ is the
voltage (mesured from the earth V=0)formed by the charge density ρ themselve.

(b)As the consequence, B wave becomes **a flying ac battery with positive energy**.

A_R Thus the **charge density** on the reciver electrode(A_R) is
to generate voltage $V=\phi$ between the ground $V=0$.

B wave That is,attachment of flying ac battery on A_R.

I The voltage can generate power to heat up resistor R.

R This fact was verified by experiments by authorhimself.

G

☞:Note that the mesurement must be sufficient distance between M and A_R of
so called "in wavenized distance",but not "in static one".

☞:Note charging action itself **consuming positive input power**,while discharging
could **return the energy**.This is fundamental action of capacitor.

(4)From where the energy come ?!.**It comes from the biggest hearted Gravity Bank !.**
$E=mc^2$ is the famous Einstein's formula on energy and mass.The mass generates
gravity field with the negative field energy -E cancelling +E in the universe.

By unifying general guage field theory<R.Utiyama,1956> and the quantization one
<L.D.Faddeev-V.N.Popov,1967>had established **quantum gravitational field
theory**(1995), which(**QGD**) is to disclose the deatils.Because a EM field is mere a derivative
of QGD field.

(5)**Energy Conservation in {B, ϕ} Longitudinal Wave Propagation :**<advanced course>
Therefore $\mathcal{H}_S=-(\varepsilon/2c^2)(\partial_t\phi)^2-\frac{1}{2}E_1 D_1+\rho^B\phi=0$.

－**Energy conservation low in {B,φ} Longitudinal Wave Propagation**－

$$\mathcal{H}_S=\{-(\varepsilon/2c^2)(\partial_t\phi)^2-\frac{1}{2}E_1 D_1\}\ +\ \{\rho^B\phi\}=0.$$
$$0=\quad -\ E\qquad\qquad +\ E.$$

Negative energy density of attraction force generated in dielectric dipole field.	positive energy density generated by accumulating same charge in same points.

Note electrical force is also a derivative of quantum gravitational filed,so the energy is
unified in the QGD field(macroscopic longitudinal gravity field) at last.

⑥**CDW could generate H2 gas by over 100% efficiency(water fuel by S.Meyer).**

http://www.777true.net/Water-Electrolysis-by-Charge-Density-Wave-could-Create-Energy.pdf

This is defferent from Brown gas,however **H2 gas** could be alternative with **oil**.

Author himself consider this method as alternative energy and don't know how to make and use Brown gas as energy by over 100% efficiency.However it is not deney the possibility.