DIVINE KRETEK

The Impact Transformation Solar Energy to Tobacco being toxic, formed as “sticky” tar and nicotine which are parallel as Human Mercury sensitizer diseases

Mercury* sensitizer is the precursor of human diseases, as well as we found exited Hg* roles the main toxic in tobacco leaves

Criteria of Systems thinking
general criterion is the shift from the parts to the whole

Photosynthesis is the mechanism of all plants, and tobacco content 4000 components of C,N,O,H Is the very stable small atom., the structure of such atom is not toxic , they are varied groups of multiple aromaticity but **the excessive "energy" polluted Hg* metal – Hg* ,covering and located more in Nicotine – Au/gold, Chlorophyll and other sensitizer Aromaticity HC from TAR. The photodynamic exited Hg* air polluted preferable transited/located tobacco plants than others, because of Nicotine-Au surface and Aromatic HC sensitizer character, then**

RESULTED TOXIC TOBACCO

Question:

How can we reduce the excessive Hg energy to become the "settle energy" of tobacco, self create the new complexity and network system ?*

The toxic tobacco was treated with Hg*-metal(amalgamate) scavengers, using Amino Aromatic Acid and EDTA in nano water solution, called DIVINE

Modern Physics There are no parts at all, it is a pattern in inseparable web and relation.

NEW VIEW WITH "CONTEXTUAL" THINKING

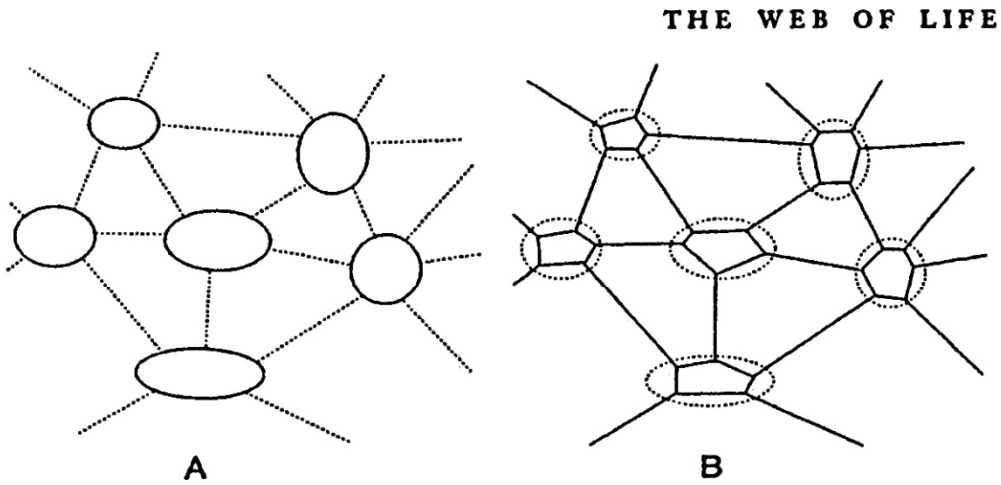


Figure 3-1
Figure/ground shift from objects to relationships.

Classical thinker(anti smokers scientist) still following Cartesian old science, that they believe in any complex system the behavior of whole could be analyzed of the properties of it parts, like NICOTIN as a parts in separately with Tar components

Tobacco plant

A. figure as the Tar wit each of multi-aromatic HC compounds and aurum-nicotine in the centre covering with (Hg*). Analyzes tobacco of each parts of A resulted the value of Tar and nicotine (classical theory)
B. After scavenging the ( ) with amino aromatic acid in nano solution, process of separation nicotine-Au and each family of aromatic HC appear, scavenged and twisting Hg to Au ( ) "Process of autopiesis" (literally, "self making") by Humberto Maturana, entire network continually generates it self (modern Physics)

THE PARADIGMA SHIFT
How to shift analyze to synthese thinker

Cartison idea: A parts doing analyze of “matter” and concluded as the ”whole” consequences compelling to be linear system in spite of nonlinear. The past research resulted 4000 components, as TAR and nicotine, and was justified as the compound of toxicity.

This Process of shift thinking, start to study in understanding “the analyze product’s collection” of the past becoming further “synthese thinking” with observing the characteristic, physically properties data’s of 4000 compounds of each selective groups. Select the sensitizer multiaromatic HC* which combined fast with Hg particles sensitizer, The dynamic of formation* consists in joining of complexes through various of each group. Emergence “autopoiesis” when already create “energy settle”, following the **emergence self organized system**.

Family's non/sensitizer Polycyclic aromatic hydrocarbons

AROMATIC SENSITIZER

methylnaphthalene, AcenaphthyleneAcenaphthene, Fluorene, Phenanthrene, Anthracene, FluoranthenePyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluorantheneBenzo(k)fluoranthene, Benzo(j)fluoranthene, Benzo(g,h,l)peryleneBenzo(e)pyrene, Benzo(a)pyrene, PeryleneIndeno(1,2,3,-cd)pyrene.

AROMATIC NON SENSITIZER

Phenolics family:

Phenolics, Hydroquinone, Resorcinol, Catechol, Phenol, Cresol (m+p and o).

Aromatic family:

Aromatic Amines, 3- and 4-aminobiphenyl, 1- and 2- aminonapthlene, o-toluidine, o-anisidine, Benzene, Toluene, 1,3-butadiene, Isoprene, Acrylonitrile, Pyridine, Quinoline, Styrene, Cadmium (Cd) Lead (Pb), Naphthalene, 1-Methylnaphthalene, 2-2- methylnaphthalene, AcenaphthyleneAcenaphthene, Fluorine, Phenanthrene, Anthracene, Chrysene, PeryleneIndeno(1,2,3,-cd) pyrene
Heterocyclic Aromatic Amines 2-Amino-3-methylimidaszo(4,5-f)quinoline (IQ)2-Amino-3,4-dimethylimidazo(4,5-f) Quinoline(MeIQ)2-Amino-3-methyl-9H-pyrido(2,3-b)indole (MeAaC)2-Amino-9H-pyrido(2,3-b)indole (AaC)1-Methyl-9H-pyridol(3,4-b)indole (Harman)9H-Pyrido(3,4-b)indole (Norharman), Polycyclic Aromatic Hydrocarbons.

Dibenzo family:

Dibenzo(a,h)anthraceneDibenz(a,j)acridine, Dibenz(a,h)acridine, Dibenz(a,e)pyreneDibenz(a,h)pyrene, Dibenzo(a,i)pyrene, Dibenz(a,l)pyrene7H-Dibenzo(c,g)carbazole, Benzo(a) Anthracene, Benzo(b)fluorantheneBenzo(k)fluoranthene, Benzo(j)fluoranthene, Benzo(g,h,l)peryleneBenzo(e)pyrene, Benzo(a)pyrene, FluoranthenePyrene.

Nitroso family:

N,N- Nitrosodimethylamine (NDMA), N- Nitrosopyrrolidine(NPYR), N,N-Nitrosodiethylamine (NDEA) N,N-Nitrosoethylmethylamine (NEMA), N,N-Nitrosodipropylamine (NDPA) N,N-Nitrosodibuthylamine (NDBA), N- Nitrosopiperidine (NPIP), Etc.

Pattern of Nano Structure

Biradical Theory and Hg sensitizer
are the missing puzzle of the basic theory
(the Hidden Theory)

Hypotheses:
Associated Hydroxyl Aromatienyl

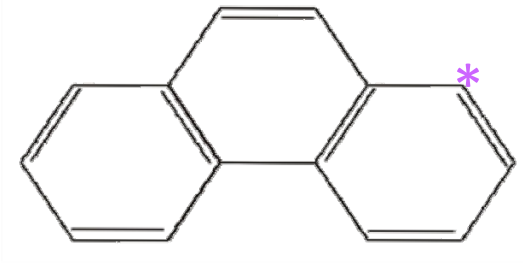
(HO˙Biradicals) and Hg* sensitizer will be the main energy compound of creating every nano structure pattern

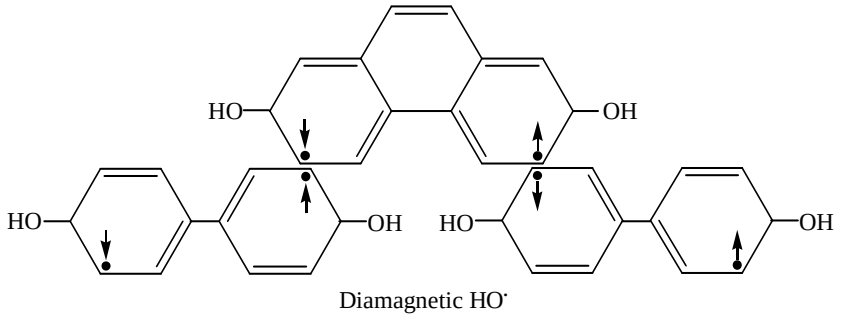
BIRADICAL THEORY WITH HUGE ELECTRON CURRENT

Interaction intramolecular and Intermolecular of biradical

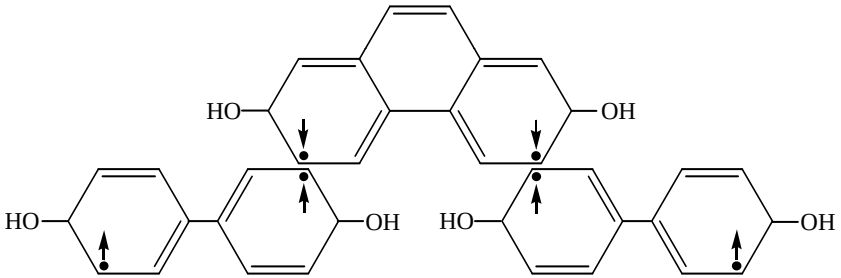
$$Hg^* + H_2O \xrightarrow{UV} H_2O^* \longrightarrow H\bullet + \bullet OH$$

UV

(A)  $\xrightarrow{\bullet OH}$



Diamagnetic HO·



Paramagnetic HO·

(A) Interaction intermolecular

Kosower: P• — P • ⇌ P — P ⇌ P — P

diamagnetic Paramagnetic

(B) Interaction intra-intermolecular

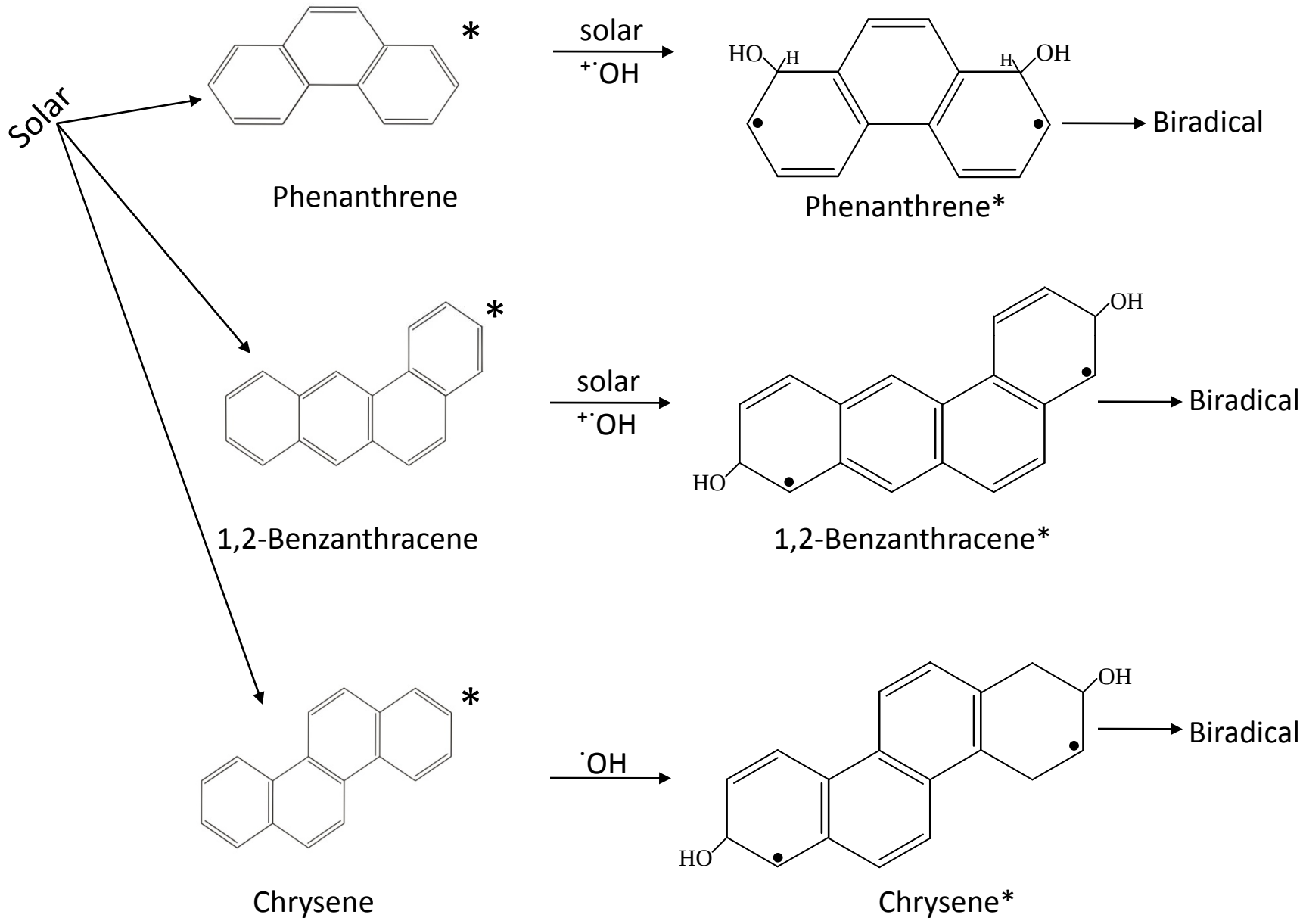
Kosower: nP• — P• ⇌ P — P

P — P

P — P

Large electron density

Mobile Electron in associated HO• cyclohexadienyl



Basic Concepts of Innovation

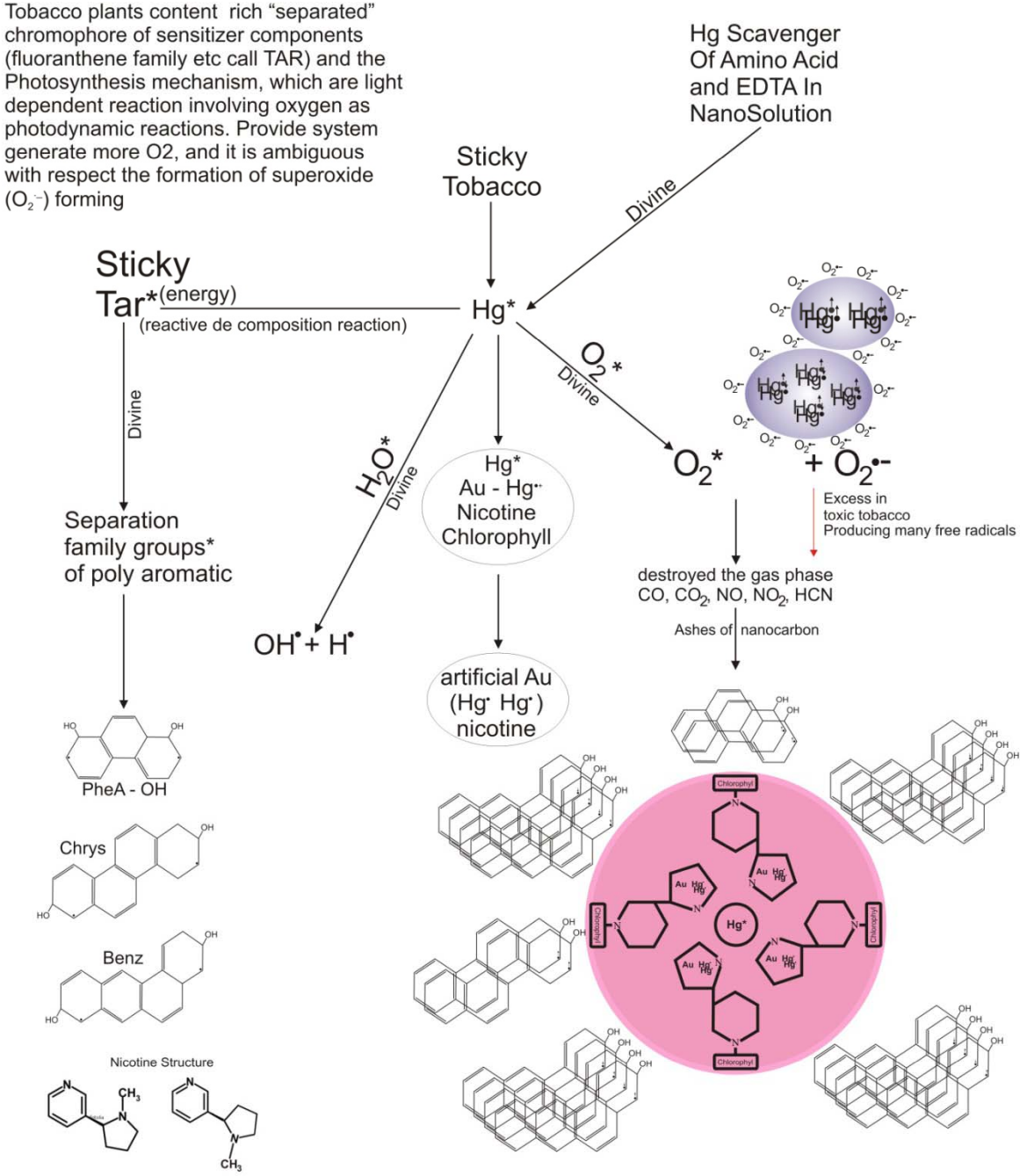
1. Constructing huge molecule block (nano structure) which has sensitizer character in which thermodynamically potential to develop biological order

2. The electron is pushed quite a long way from the hole and is captured by another nanostructure (one of them are Phenanthrene).

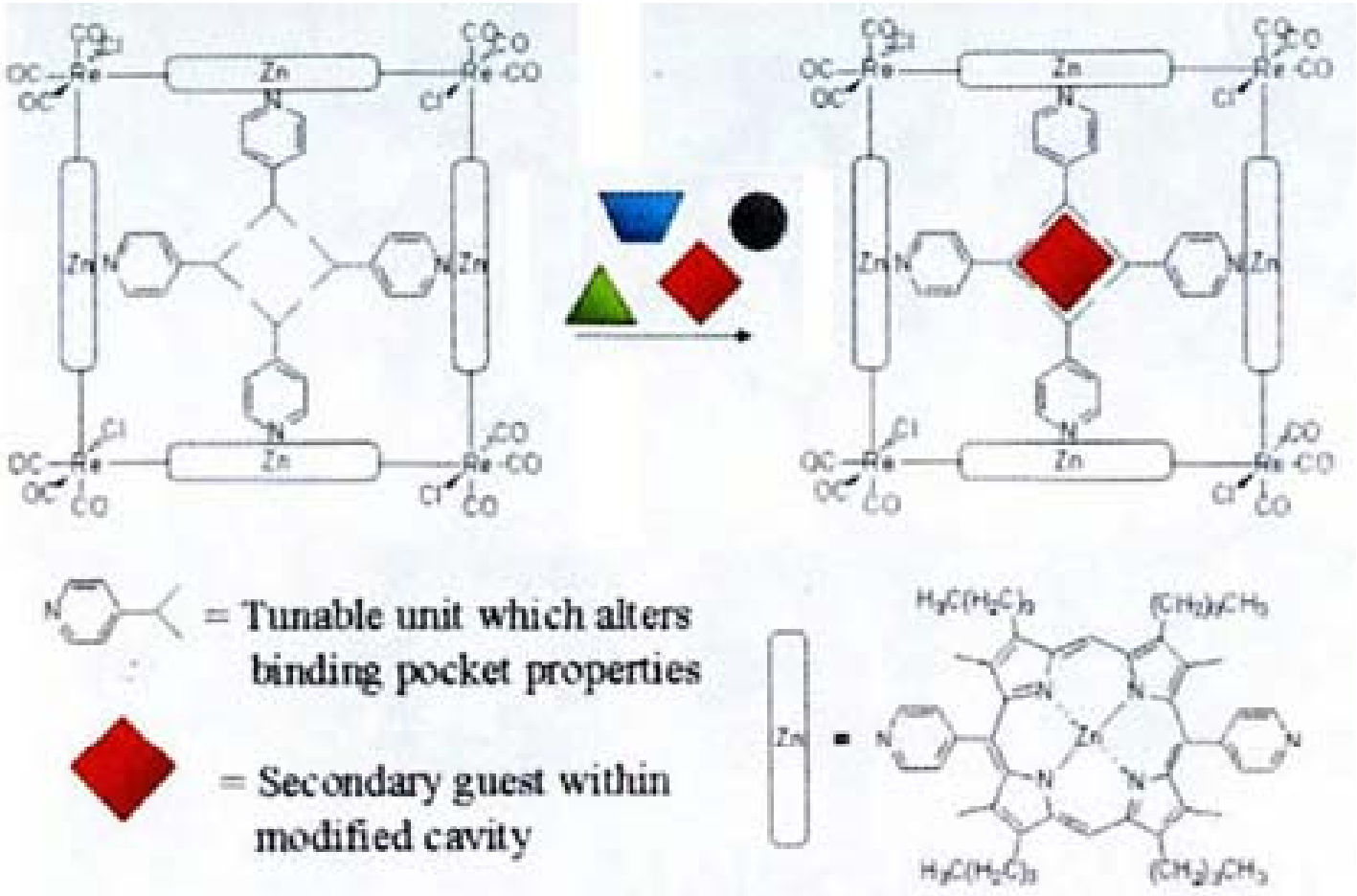
   ad 1. The molecule block enables to keep excited radicals including Hg* in the center of nicotine where energy is used to separate an electron from the opposite charge (called a hole).

   ad 2. The molecule block then enable to become transducer for radicals captured in nicotine. It makes molecule block can eliminate the toxicity of Hg* and other radicals including NO*

Tobacco plants content rich "separated" chromophore of sensitizer components (fluoranthene family etc call TAR) and the Photosynthesis mechanism, which are light dependent reaction involving oxygen as photodynamic reactions. Provide system generate more O2, and it is ambiguous with respect the formation of superoxide ($O_2^{\cdot-}$) forming



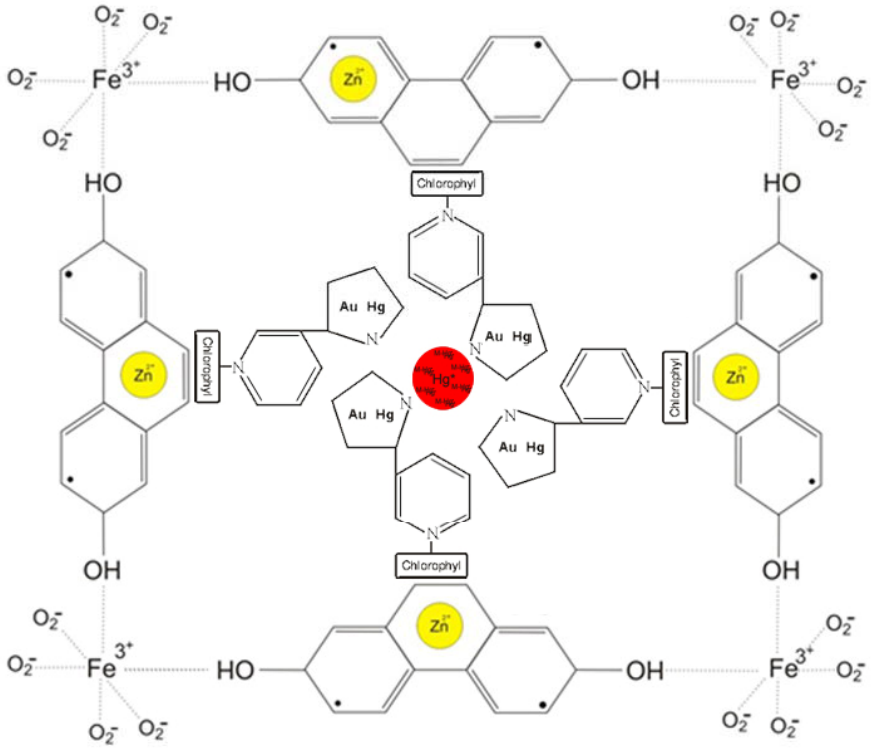
Conclusion: creating emergence "Divine" plants/soil is easier than curing human diseases



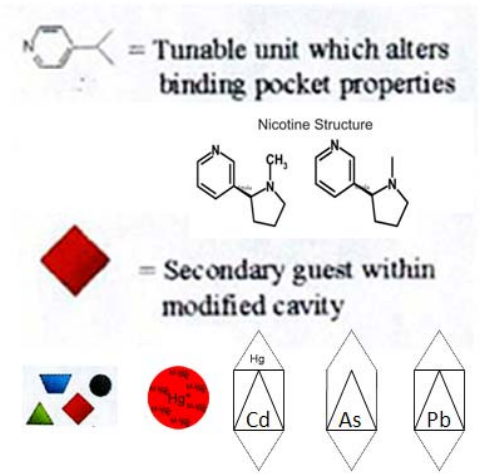
Synthetic chemical nanoscience—metal-trapping molecular squares.

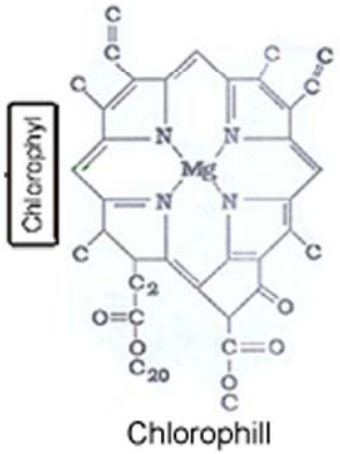
Courtesy of the Hupp Group, Northwestern University.

Divine Nanostructure



This very complex Fe^{3+}--O^{2-} permit charge recombination in such a way that energy of combination is filtered off.





Chlorophill

PHYSICAL CONSTANTS OF ORGANIC COMPOUNDS (CONTINUED)

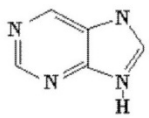
No	Name, Synonyms, Formula	Mol	Color, Crystalline form, specific rotation and $_{max}$ (log)	b.p. ^{0}C	m.p. ^{0}C	Density	n_D
523	Adenosine or adenine, 9-ß-D— ribofuranosyladenine…… $C_{10}H_{13}N_5O_4$	267.24	nd (w+1 1/ 2)[a] 20/20/D-60.0 (w, C = 1)	……	235-6 (anh	…….	……
4467	Caffeine or 1,3,7-trimethylxanthine $C_8H_{10}N_4O_2$	194.19	Wh nd (w+1), Hex pr (Sub)	Sub 178, sub 89^{15}	238 (anh)	1.23 ^{19}	…..
7653	Guanine $C_5H_5N_5O$	151.13	nd or pl (aq NH_3)	Sub	360 d	…..	…..
7688	Heroin or 0,0-diacetyl morphine….. $C_{21}H_{23}NO_3$	369.42	rh,[a]$^{15/D}$-166 (M_eOH)	272-4	173	1.56-1.61	……
9216	Morphine $C_{17}H_{19}NO_3$	285.34	pr	…….	254-6	…..	….
9222	Morphine, 0-0-diacetyl or heroin…. $C_{21}H_{23}NO_5$	369.42	rh,[a]$^{15/D}$-166 (M_eOH)	272-4^{12}	173	1.256-1.61	…..
13794	Theobromine or 3,7-dimetylxanthine.. $C_7H_8N4O_2$	180.17	rh or mcl nd (w)	Sub 290	351 (357)	…..	…..
14773	uric acid or 2,6,8-purine trione $C_5H_4N_4O_3$	168.11	rh pr or pl	d	d	1.89	…..
9814	Nicotine (1)…… $C_{10}H_{14}N_2$	162.23	Hyg (br in air) [a]$^{20}/_D$-169	246.7. ^{745}124-5^{18}	-79	1.00097 $^{20/4}$	1.5282 ^{20}

Hg vapor
(mp -35°c in H_2O body)

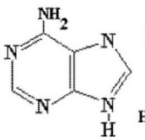
Smoke Au nicotin
(mp -79°c as gas)

Smoke Au in nicotin subtitude Hg in water body
resulted Hg-nicotine
Density nicotine = 1 like density of water

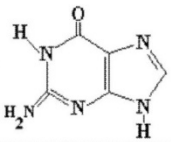
Purines
purine



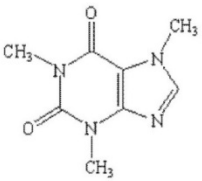
adenine



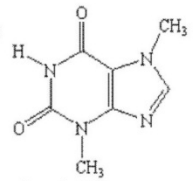
guanine



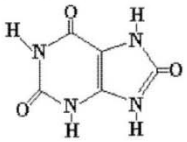
caffeine



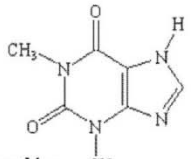
theobromine



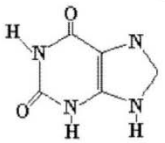
uric acid



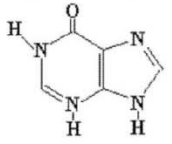
theophylline



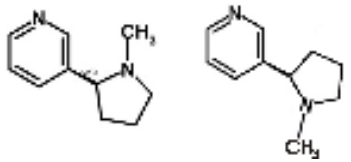
xanthine



hypoxanthine

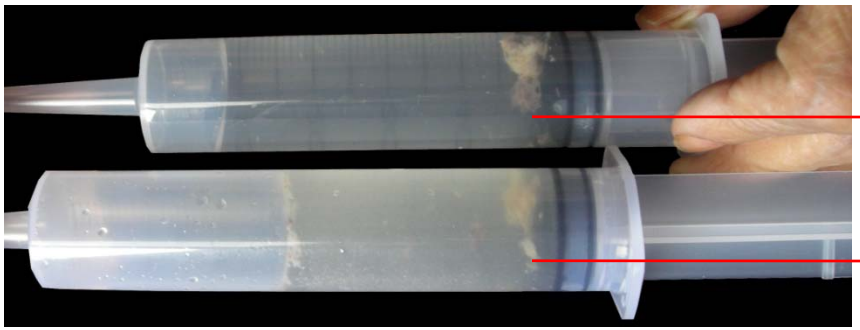


Nicotine Structure



Proving Nicotine Structure function as Hg/Hg· Hg· Scavenger, (“as cleaner”)

- Nicotine, Adenosine, Guanine, Uracil, Uric Acid, caffeine, xantine , as derivative of purine are alkaloid mixture of human body in which Hg preferentially located in DNA compare with protein, lipid.
- The smallest structure f these alkaloid is Nicotine (M= 162, Mp -79C, 1,000 Adenosine (M = 267,24 Mp 235C)
- Nicotine character as “cleaner” in their group of alkaloid ?
  The density=1 of liquid hyg’vapor nicotine mixed with water easily distributed in the DNA and scavenged excess exited Hg/ amalgamat* guanine, adenosineThimin, cytosine damage will be scavenge by nicotine – water easily
- Evidence



1. The Divine smoke as nano structures use to construct nano devices and resulted : The emergent structures of hexagonal connection cells are “ Dissapative structure ”since they maintain their structure while dissapating energy through their system (from Ilya Progogine, Nobel Prize winner1977)

2. Such spherically emergent separation Tar Compounds of sensitizer and non sensitizer character. Along these prominences are still smaller pertuberances and so on, that each of which having their own fractals. They happen at a critical threshold far from critical condition

How Did the Divine Filter Work ?

1. Filter is medicated with mercury / metal Hg* scavenger & brace Nano's froming " bridge " between Divinefilter – Hg* covering nicotine – Gold of tobacco.
2. The amount of absorbing energy sunlight in a particular sensitizer molecules, effectively tranfer to oxigen -----> O_2* exited rich energy. Their presence creates energy potential across the membrane of tobacco cell, and burned the free radicals and CO etc to atomic/nano structures
3. The energy of sensitizer molecules emergence self assembling separation charges of positive and negative, making self network then dissapative structure when burned with exited O_2* which rich energy.