

East-West Monitoring

Body –Water as a conducting system for electromagnetic information

What are the similarities in the way of daoistic thinking and western science?

Contents

- **Scientism**
 - Canon of rules of science
- **“Early Heaven” and “Late Heaven” in daoism**
- **The Bagua and the I ging**
 - Polarization and phase of changes
- **Water - Fire Axis**
- Ancient civilization, appearance, modeling
- **Working hypothesis**
 - “East-West-Monitoring”
- **The hidden message in water**
 - Structure of liquid water
- **What about Heims`s Theory?**
 - Heim`s theory
 - Effects on quantum medicine
- **Highly rapid and redundant communication system**
 - Somatotopic points/areas
 - Water appearance in the body
 - Basic regulation system – soft connection tissue
 - Long-range coherence in biologic systems
 - Bong Han channels/ducts
- **Possible electrical conductive mechanism**
 - Similarities of superconductivity and the Josephson Effect in highly correlated domains of biological systems

Scientism

1. The ontological hypothesis

All precedent in the physical world are causally determined.

2. Reproducibility

All phenomena can be produced repeatedly in the experiment.

3. Induction circuit on universal statements

Individual analyzes can be made to existence theories.

4. Cumulatively

Any theory needs among the older theory be certain conditions tolerated.

5. Consistency condition

The theory construction must contradictions and logical (it applies the Aristotelian logic).

6. Cartesian duality principle

Matter and spirit are two separate Entities.
Spirit has no impact on material processes.

7. Mathematization

For all processes, there is a formal-logical description.

8. Falsification

There are only licensed in principle testable propositions.

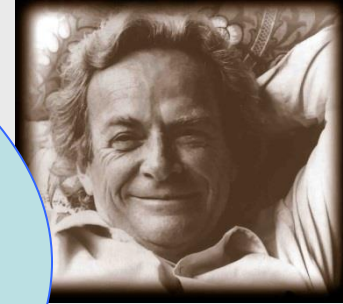
9. Objectivity

Experiments must be independent of the experimenter and provide all other same results be and intersubjective verifiable.

Working hypothesis: „East-West Monitoring“

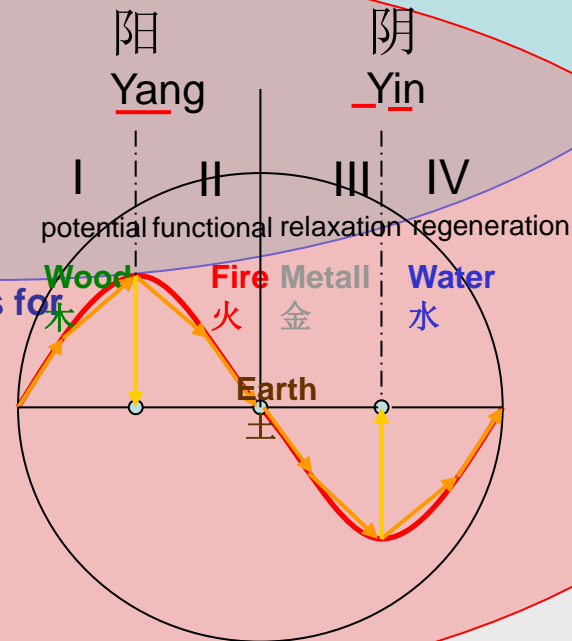
... when the problems are too much in the clutter we have to go new ways since the old methods stuck already in the beginning!

Feynman RP. The character of physical law. New York: Modern Library, 1994:156, 173.



R. Feynman

In Traditional Chinese Medicine,
in the phases of changes,
the „water phase“ (IV), stands for
structure and organization.



Fu Xi

Fromknecht R., et.al., JCIM, 2013; 10(1):1-5

error....

seventeenth century

... "depletion of nature"

... "denaturalization of the subject"



Albert North Whitehead

- criticizes the materialism spread in the natural sciences
 - error mathematically formulated physics for reality.
 - starting point of this development at the **seventeenth century**
 - **!separate fields of nature and the mind!**
 - "depletion of nature" and a "denaturalization of the subject".
- elaboration of his **processor-oriented metaphysics**

„integral theory“

Wilber refers to the teachings of

Plotinus
Master Eckhart
Sri Aurobindo
Of German idealism
The Advaita Vedanta Hinduism
Of Tibetan Buddhism
Jean Gebser
Jürgen Habermas
Jean Piaget
Lawrence Kohlberg
Arthur Koestler
Parthard de Chardin
Alfred North Whitehead
Clare W. Graves
Rupert Sheldrake
Jiddu Krishnamurti



Ken Wilber

....and many others

“Monitoring” “West”

“East”



Fu Xi „early heaven“ inner-world order



Wen Wang „later heaven“ phase of changes

39th Conference of the U.S. Psychotronics
Association Hyatt Regency Deerfield,
Illinois July 14-16 2017

physics + biology + psyche + “pneuma”

Burkhard Heim

- Equality of inertial and gravitational mass
- Explanation of gravitation
- Declaration of wave-particle mechanism
- Polyvalent logic
 - Pneuma
 - Psyche
 - Bio
 - Physis

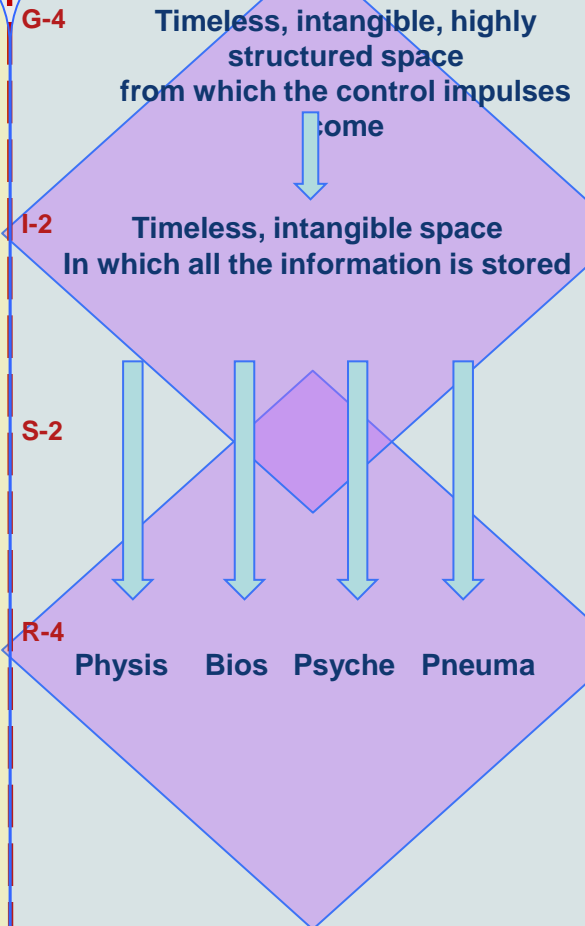
David Bohm

- The wholeness and the implicate order
- Holonomic brain theory
- The whole notion of active information suggests a rudimentary mind-like behaviour of matter
- Thought is intricately connected with physical reactions

String theory

- Hidden layer of physical laws
- 10^{500} possible solutions
- Hiddenlayer \leftrightarrow theory of everything
- Combination of early and late heaven?

Dr. Rainer Fromknecht
Institute of energetic wellness, Germany



Osburg, J., private communication
Bohm, D., „Wholeness and the implicate order“, Routledge classics, 2005
www.initiativevernunft.twoday.net

Heim`s theory

1. Geometrizes

- for all physical interactions
 - polymetric

2. Optimization

- Nature employs an extremum principle
 - Space-time is a manifold

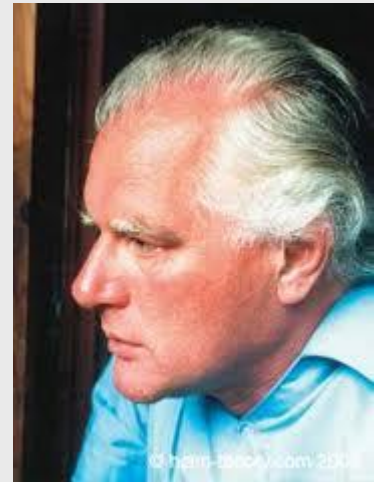
3. Dualization

- duality, symmetry
- nature dualizes or is asymmetric, bits
 - higher dimensional internal symmetry space

4. Quantization

- nature uses integers only, discrete quantities
 - discrete or quantized space-time

Einstein neglected



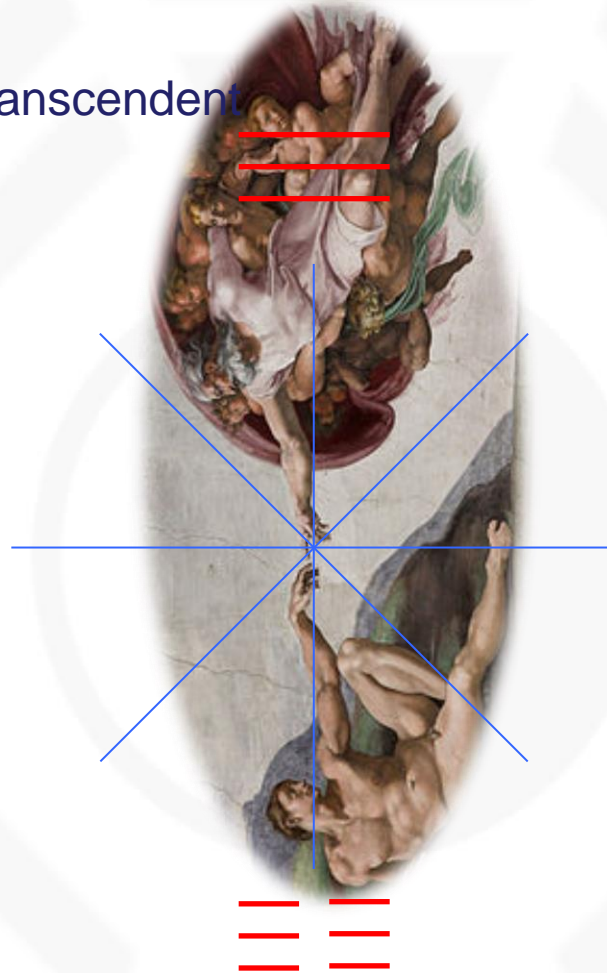
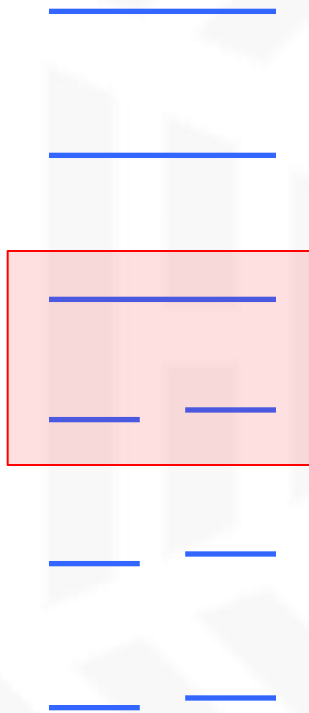
Burkhard Heim
Physicist and mathematician
1925-2001

Fu Hi - „early heaven“ – inner-world order



Fu Hi or the inner-world order

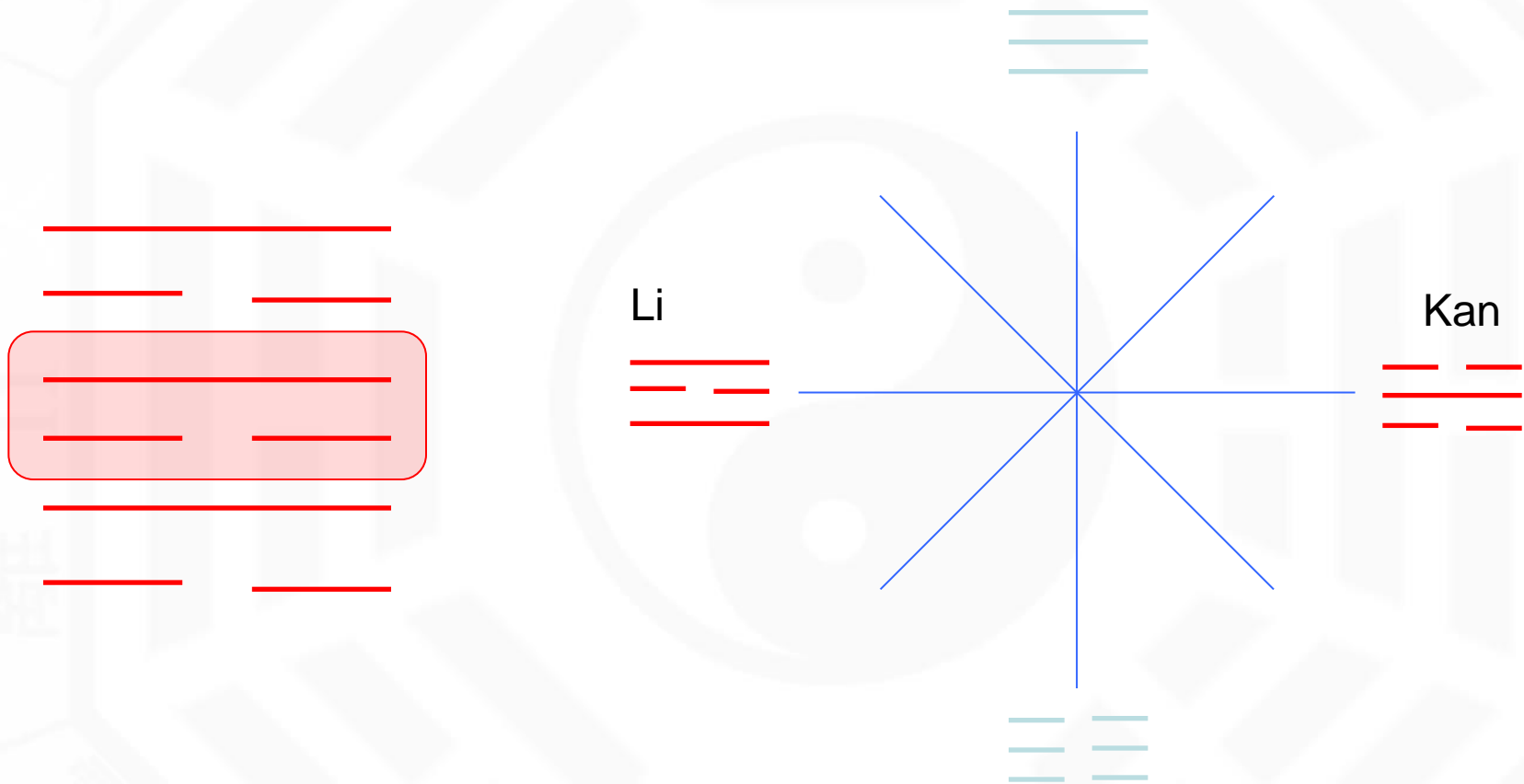
plus, the unformed, the transcendent



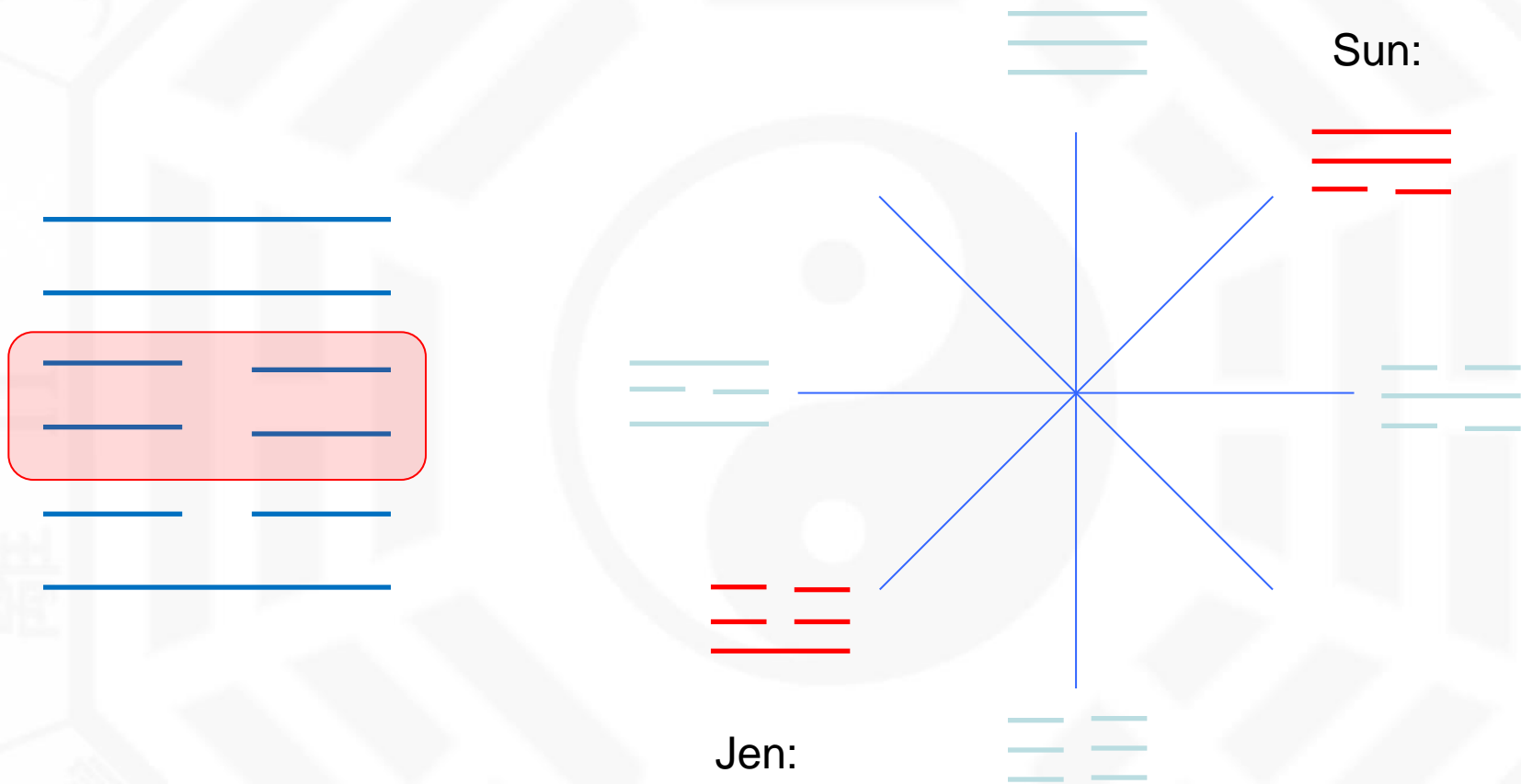
- Eight basic forces with symbolic names
- Are in Mutual equilibrium
- Highest principle, the force of light, creative principle, power of heaven
- Correspondence in the receiving counterpart of the earth, matter and form

minus, the formed, immanent in it, sticking

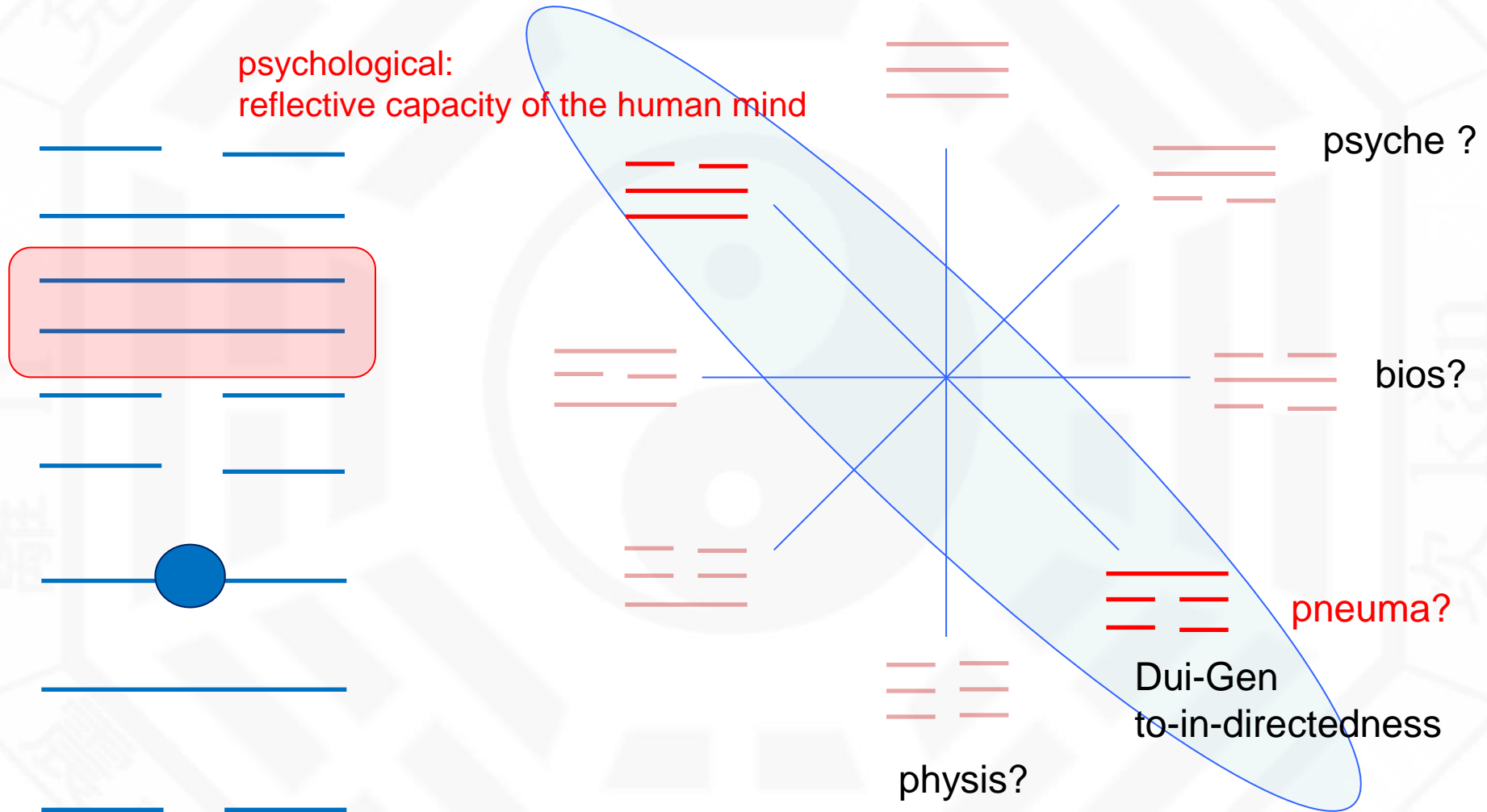
Transformation axis: Kan-Li



Exciting principle, receiving and sensitized matter: Sun-Jen



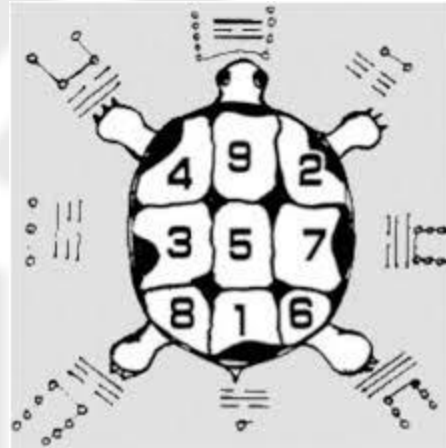
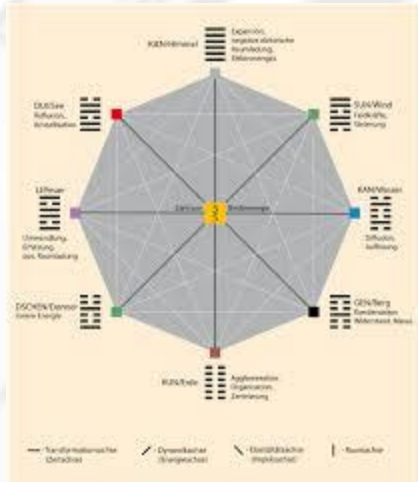
psychological interpretation of Dui-Gen



Wen - „late heaven“ – evanescence



I ging 81



Norbert Herdlicka

2	9	4
7	5	3
6	1	8



“East-West-Monitoring”

properties of Yin

- structure
- conservative
- regeneration

properties of Yang

- function
- expansive
- mobility

Water
水

diffusion

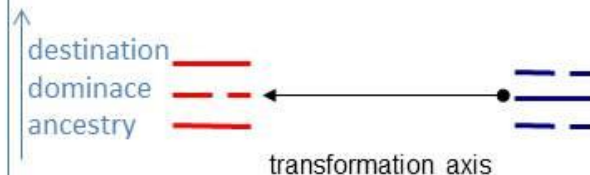
Fire
火

radiation
transformation
heating up
pos. space charge

“Bagua”

Fire
火

Water
水



Herdlicka N (2011) Die Systematik der Elemente. Kindsau Landsberg: Bio Energetik.

Wen - „late heaven“ – evanescence

Properties of Yin

- structure
- conservative
- Regeneration

Properties of Yang

- function
- expansive
- mobility

Water

diffusion
decomposition

Fire
radiation
transformation
heating up
pos. space charge

Fire

Bagua

Water

destination
dominance
ancestry

Li
☲

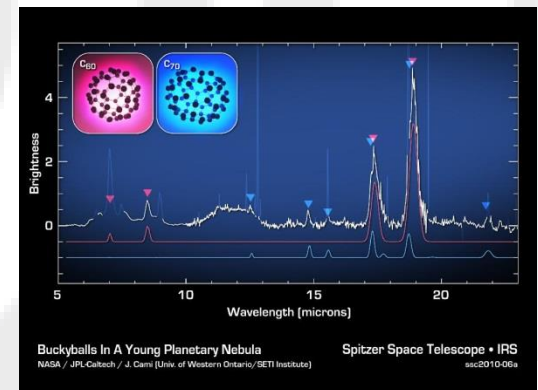
Kan
☵

transformation axis

Herdlicka N (2011) Die Systematik der Elemente. Kindsau Landsberg: Bio Energetik.

Fullerene C₆₀

- Carbon can be due to its electron configuration
 - to hydrogen H can be any number of compounds
 - Forms extremely complex molecules
- occurrence
 - In pure form
 - graphite
 - diamond
 - fullerene
- 2010, discovery of fullerenes as the largest molecule in the universe
 - (NASA, 26.07.2010 - NPO)
- guess
 - Key to organic life at all
- Fullerenes for technical and medical purposes.

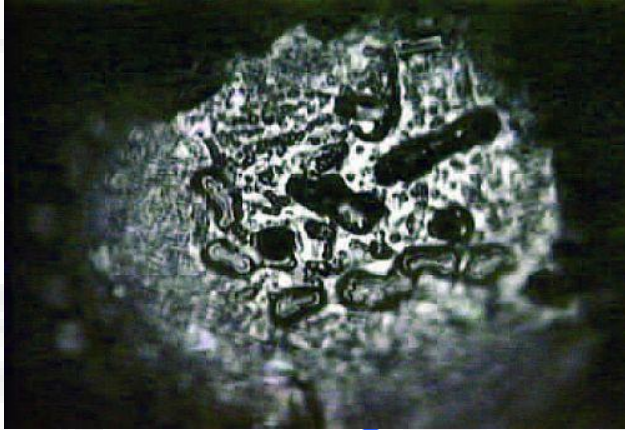




An astonishing example....

...the hidden message in water communicating our feelings to water

Tap water before a pray



Masaru Emoto



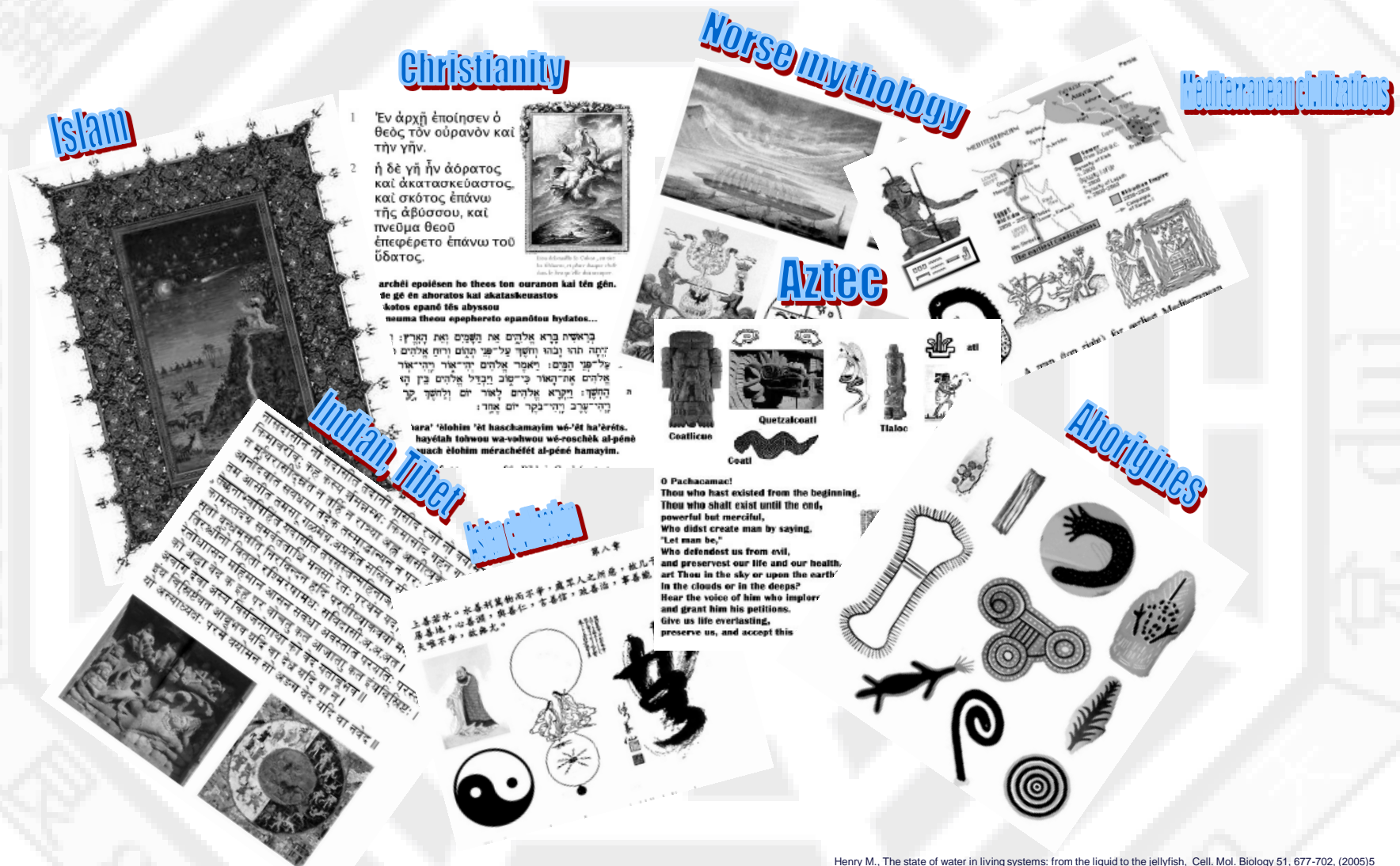
Tap water after a pray



Tap water after a 2h pray of a monk

Dr. Rainer Fromknecht
Institute of energetic wellness, Germany

Water and live in ancient civilisations

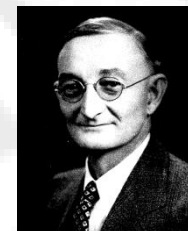


Henry M., The state of water in living systems: from the liquid to the jellyfish, Cell. Mol. Biology 51, 677-702, (2005)5

...water appearance in organs and modeling



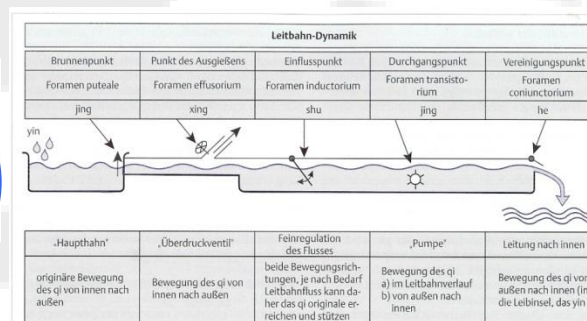
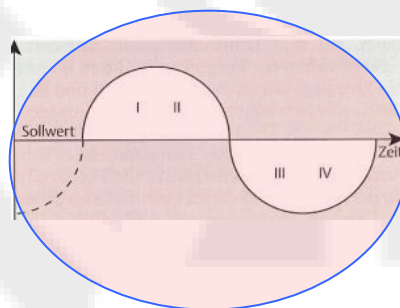
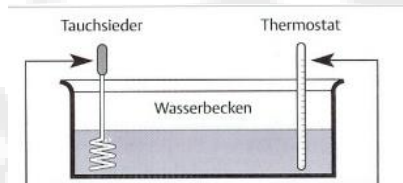
- Liver 72,3%
 - Muscle 75,8%
 - Heart 77,9%
 - Kidneys 77,2%
 - Spleen 78,8%
 - Testis 83,0%
 - Brain 80-85%
 - Blood 83%
-
- Embryo
 - 15 day old 90%
 - 20 day old 84%
-
- carcinoma in mice's 80-86%



R.A. Gortner

W. Cramer in: Gortner, R.A., The state of water in colloidal and living systems. Trans. Faraday soc. 1930, 26:678-686
<http://www.artflakes.com/de/products/studie-des-heiligen-sebastian>

Heidelberger model



J.H. Greten

Consequences of changes in water's hydrogen bond strength



M. Chaplin

Water hydrogen bond strength

Main consequence

No Hydrogen-bonding at all

No life

Hydrogen bonds slightly weaker

Life at lower temperatures

No change

Life as we know it

Hydrogen bonds slightly stronger

Life at higher temperatures

Hydrogen bonds very strong

No life

http://www1.lsbu.ac.uk/water/water_life.html#conc

...structures of liquid water

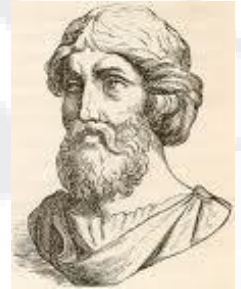
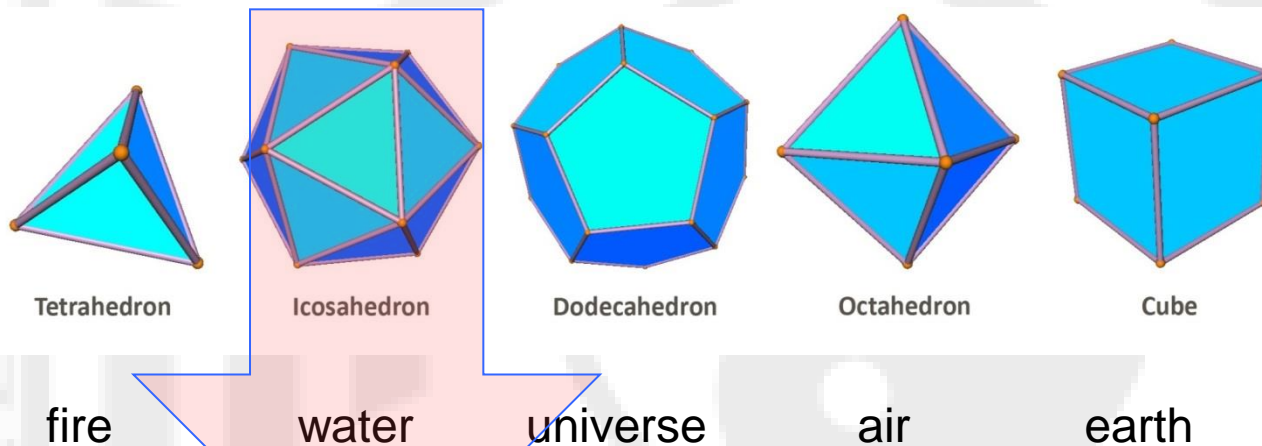
- A key principle in materials science is that the weakest bonds determine the (interesting) properties
→ Yang
- while the strongest bonds determine the structure
→ Yin
- Water is therefore probably known as the most easily changed phase of condensed matter.

http://www1.lsbu.ac.uk/water/water_life.html#conc

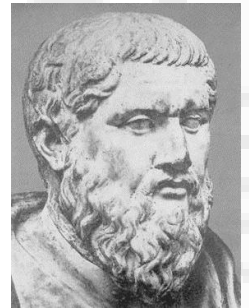
...is the structure build up via pythagorean geometry ?

Platonic solids ?

- *Plato assumed these shapes corresponded to the properties given*
- **in particular associating icosahedra with water**
- *Platonic solids are the only regular solids where all the vertices and the centers of all the faces and edges lie on spheres (the circumscribed, inscribed and mid spheres respectively) with the same center*



Pythagoras



Plato

Water can form icosahedral clusters – linking modern science with ancient phylosophy ?

... the conflict

6. Cartesian duality principle

Matter and spirit are two separate entities.
Spirit has no impact on material processes.

Theory and Experiment

- Thoughts of E.T. Jaynes in terms of classification

–Jaynes:

Probability Theory: The logic of science

» Distinction needs to be considered in order to understand living systems



E.T. Jaynes

ontological level:

theoretical, infinite information

Attempt to describe the world

→ in the real world are other controlling factors that are not yet identified

without having to pay a “contribution” to nature

epistemological level:

concrete, finite information

only describes our state of knowledge about the world

→ unknown factors permit more about the real world to learn

with the payment of the “contribution” to nature

Henry M., The state of water in living systems: from the liquid to the jellyfish, Cell. Mol. Biology 51, 677-702, (2005)

... the contribution to nature

1. Heisenberg uncertainty relation

$$\Delta p \Delta q / h \geq 0$$

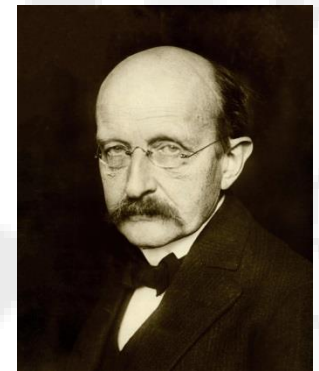
- without the Heisenberg uncertainty relation would be macroscopic processes, caused by macromolecules, not reproducible and therefore life probably not possible



W. Heissenberg

2. Planck`s constant (british mass units)

Planck-Unit	Theoretical value (british mass unit)
h (Planck constant)	$6.626 \times 10^{-34} \text{ J}$
l_p (Planck length)	$6.362 \times 10^{-8} \text{ in}$
m_p (Planck mass)	$4.799 \times 10^{-8} \text{ amu}$



M. Planck

J. Farrell, "Der Todesstern Gizeh", Mosquito Verlag, 2008)
E. McClain, "Pythagorean Plato", 1978

...effects on quantum medicine

- control of material processes from the hyperspace can possibly explain homeopathy and placebo effects
- these structures are timeless
- Heim'sche ontology also makes the development of

1. Pneuma	mental, spiritual level	spiritual layer being
2. Psyche	animalistic, emotional level	emotional layer being
3. Bios	vegetative level	organic layer being
4. Physis	mineral level	inorganic layer being

- the fact that the interaction quanta (e.g., photons) are superior to the matter
 - explain the positive effect of information therapy, which runs in a higher level, while the chemistry works at the lowest level

...morphogenetic field

1. is a very interesting theoretical approach to explain a variety of inexplicable phenomena
 - a kind of all-encompassing field of consciousness from the extensive information can be included
 - may e.g. serve as a mental connection level between different people
2. combines the physics of spirituality and science
3. allows scientific viewers to approach the issue rationally
 - *Current theories of quantum physics provide a solid foundation for the credibility of this model and underpin it with always new and stunning views*
4. a kind of energy field that surrounds everything and all consciousness together
 - *saves a form of energy complete information about everything in the universe exists and makes available any time anywhere*
5. Needed:
 1. transmitter or receiver
 - tuned to the field-frequency
 - retrieve desired information or transmit



Rupert Sheldrake

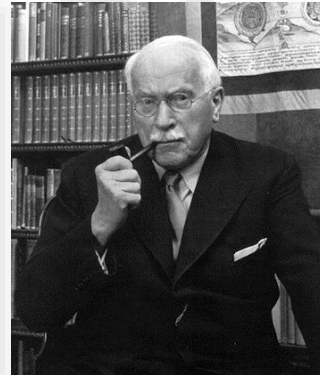
<http://www.sheldrake.org/>



***...in scientific communities very controversial
discussed!
... but !***

... collective subconscious !

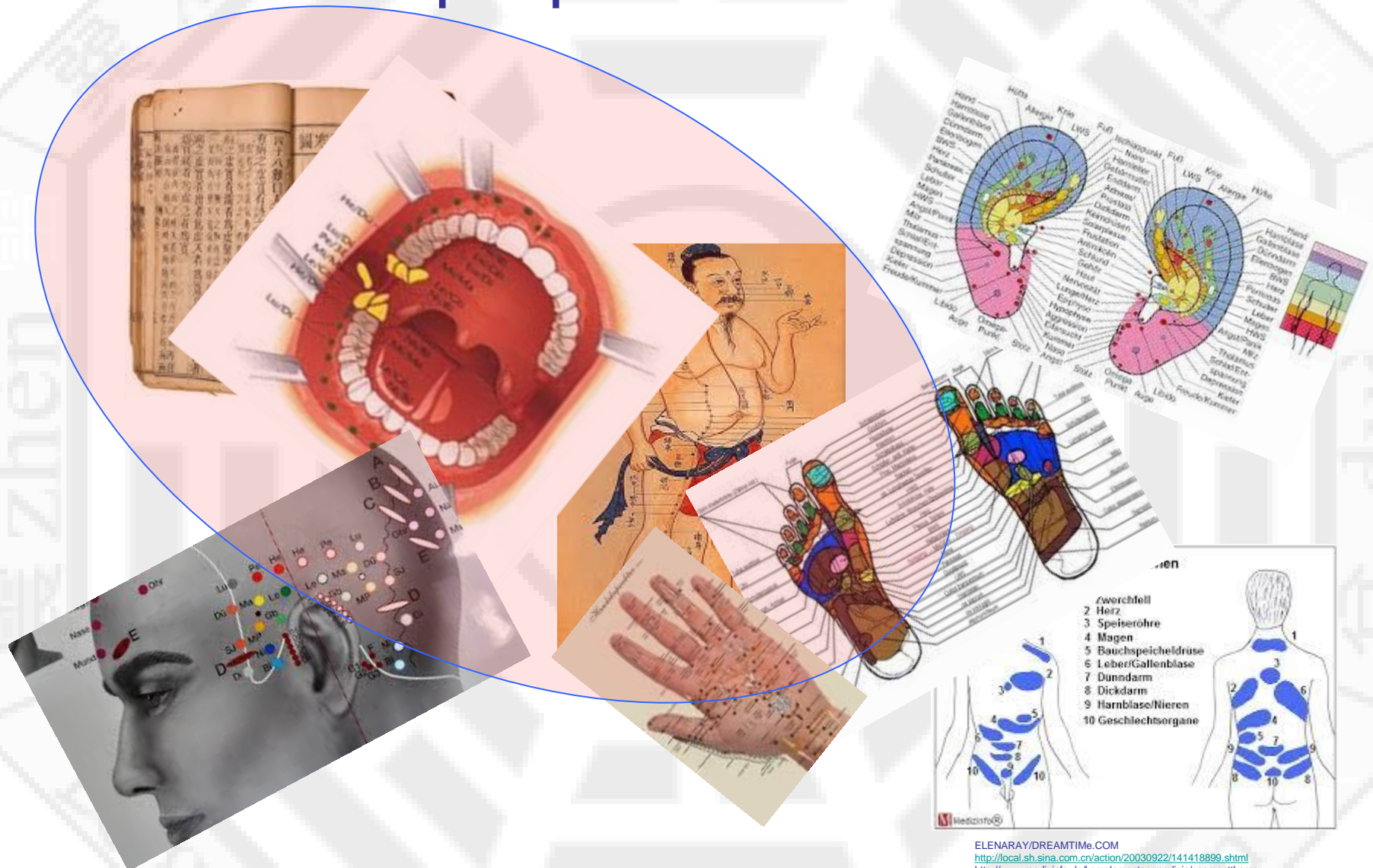
- ✓ *this idea is already described by the Swiss psychoanalyst C. G. Jung as "**collective unconscious**"*
- ✓ *expresses itself in dreams and body symptoms of the individual*
- ✓ *Akashic Record is intended to represent such a field in "modern" Anglo-Indian Theosophy and Anthroposophy*
- ✓ *idea of a supernatural "book of life", which contains in intangible form an all-embracing world memory*



C. G. Jung

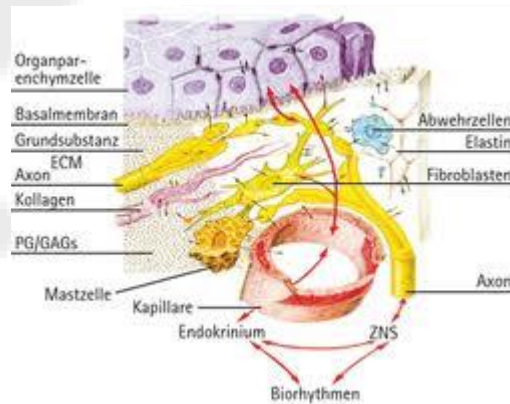
... back to the physical body
constructing a
highly rapid, redundant
communication and energy
system

Somatotopic points and reflexzones



ELENARAY/DREAMTIME.COM
<http://local.sh.sina.com.cn/action/20030922/141418899.shtml>
<http://www.medizininfo.de/komplementaermedizin/segmenttherapie.shtml>

...combined with the system of basic regulation



A. Pischinger



H. Heine

- defined as a:
 - functional unit of the vascular flow paths, the connective tissue cells and the vegetative-neural end information,
 - the **extracellular matrix (ECM)**
 - attached is the lymphatic system
- it is the largest, the organism migrating system
- describable via:
 - **System theory**
 - non-linear, high intermeshed servo-loops
 - feedback control systems characteristics
 - stability criteria's
 - dynamic behavior, time dependence
 - disturbance feed forward
 - **Information theory**

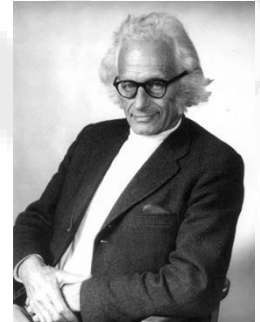
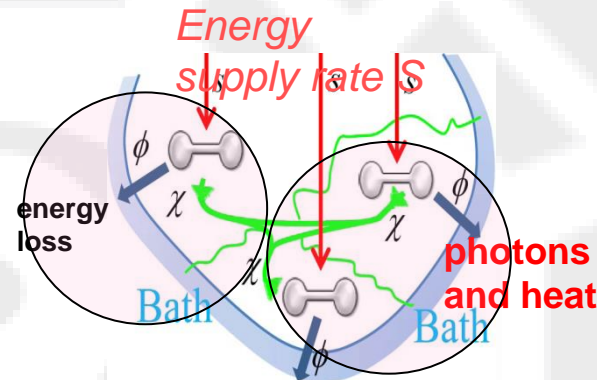
Pischinger A., Heine H., Das System der Grundregulation, Hauf Verlag Stuttgart, 2010
Heine H., Heine E., "Befindensstörungen – chronische Krankheiten – Altern", CO'MED Verlagsgesellschaft, Hochheim, 2009

...using Fröhlich's model of long-range-phase correlation in biological systems

H. Fröhlich in the 1930's

- cell membrane potential
 - a fraction of a volt
 - across an extremely thin wall
- electrical field of enormous strength
 - resonate at around 100 GHz
- strong enough to align molecules
 - distances involved in assembling biomolecules
- coherent modes of oscillation
 - nonlinear systems and long-range-phase correlation to biological order
 - showed that the excitation of organs
 - correct frequency achieved by energy from metabolic sources

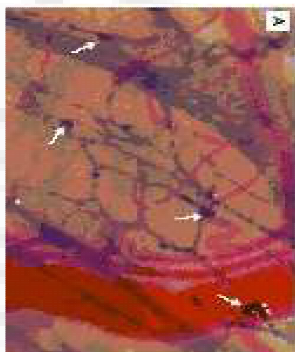
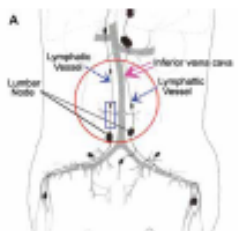
weak Fröhlich condensation: intense coherent "light emission" is generated (broadband emission)



H. Fröhlich

Fröhlich H. Evidence for coherent excitation in biological systems. Int J Quantum Chem 1983;XXIII:1589-95
Pokorny J, et.al., Electro Magnetobiol 20:371-396, (2001)
Pokorny J, et.al., Bioelectrochemistry 63:321-326, (2004)
Belloni F, et.al., Rev.Sci.Instrum 76, (2005)
Fedorov VI, et.al., Int.J.Infrared Millimeter Waves 24:1235-1254

...observed Bong Han channels are partially a possible structure ?



K. Bong Han

- **WHAT ARE HAN BONG CHANNELS ?**
- a circulation system composed of various sub-networks at various locations of the body
- **Where there are Bong Han channels ?**
- Superficial, in the skin
- Intravascular, along the inner major vessels, arteries, lymphatic vessels, and „floating" in which blood / lymph flow
- Extra-vascular, along the outside of the large blood vessels on the body surface, and divide the various internal organ surfaces
- intra-organ, located on the inside of various internal organs
- a neural within the brain and the spinal cord and further to the external peripheral nerves
- **WHAT MUST BE PRESENT ?**
- Chromaffin cells (good stainable with chromium salts)
- surrounded by a smooth muscle layer
- Bundle of BHK and blood vessels attached to the bottom of BH bodies and connected to adjacent Bong Han bodies (TEM)
- "Cores" in filamentary structures, with a few interspersed fibrin fibers
 - Cores are rod-shaped
 - distributed in aligned broken "lines"
- **Visualized ?**
 - detectable: in "Trypan blue" on the fascial surface
 - produces a blue colored thread

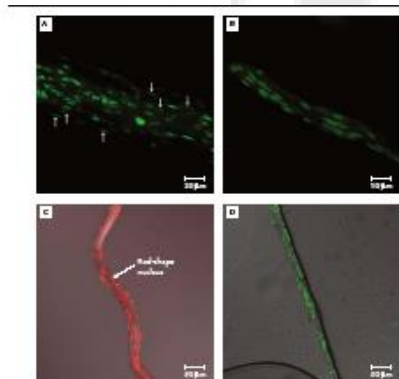


Figure 10. Confocal laser scanning microscope images of BHCs showing rod-shaped nuclei (arrows) distributed in broken and straight lines. (A) BHCs stained by trypan blue, a DNA-specific dye, after removal from Japanese Green Iguana (Iguana iguana) (A). (B) BHCs stained by Auramine orange, a DNA-specific dye, after removal from a Japanese Green Iguana (Iguana iguana) (B). (C) BHCs stained using a DNA-specific dye, after removal from the adult Iguana (Iguana iguana) (C). (D) BHCs stained by Auramine orange after removal from rabbit caudal nerve (D). Scale bars: (A) 50 µm, (B) 50 µm, (C) 50 µm, (D) 50 µm.

Kim Bong Han, On the Kyungrak system, Medical Science Press, No.5, 1963
Kwang-Sup Soh, J Acupunct Meridian Stud 2009;2(2):93-106



*... just a „controversial“ idea the
„sacred geometry“?*

The equal tempered scale

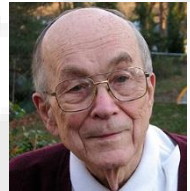
Are classical acupuncturepoints related to the eight church D-D` music modes ?



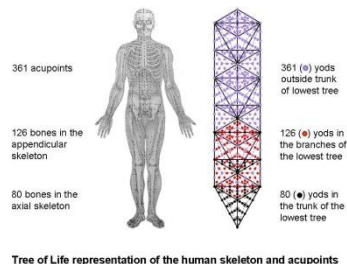
E.G. McClain, „The Pythagorean Plato“, 1978

each to be examined areal can be represented mathematically which is based on arithmetic, harmonic and geometric values

Plato: “Laws” 747a in McClain, “Pythagorean Plato”, p.10, Nicolas Hay Inc., 1978



E. McClain



28

= 361 =



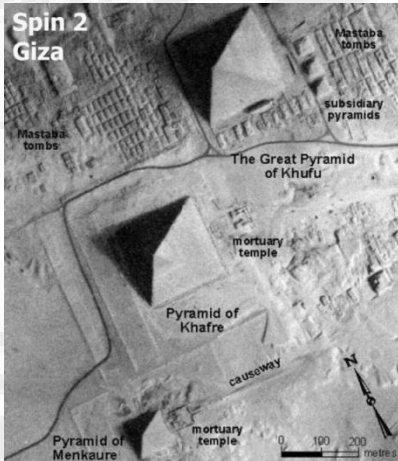
Figure 14. The number (361) of yods needed to construct the triakis tetrahedron from tetractyses is the number of acupoints in the human body. This is not a coincidence because it embodies the sacred geometry possessed by this polyhedron.

Tetractys:= points arranged in four rows

played within the Pythagorean cosmology and music theory a central role, because you saw the key to understanding the world harmony

STEPHEN M. PHILLIPS, Ph.D., is a theoretical physicist, Theosophist, and student of ancient wisdom from Bournemouth, Dorset, England.
<http://smphillips.8m.com>

... are there similarities on a large scale basing on the Pythagorean theory?

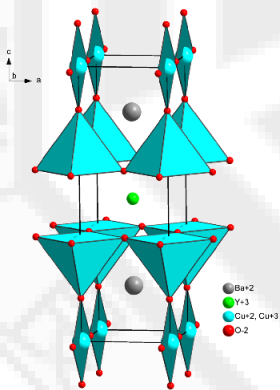


- the Great Pyramid a **harmonic oscillator** and also a **huge crystal** ?
- **intermeshed feedback loops**?
- **unexpected clusters** of proximities and **harmonious of Planck's constant** in the **important functional elements** of the Great Pyramid
- expressed the pyramid builders the **macrocosm in the form of quantum states** - and vice versa, **quantum states in the form of the macrocosm** ?

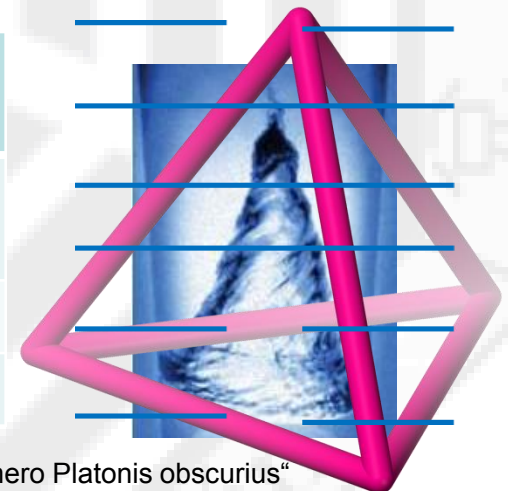


Joseph P. Farrell

YBCO superconductor

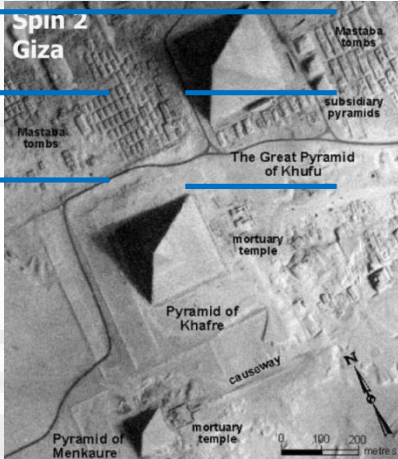


Planck-Unit	Theoretical value	Harmonic number
H (Planck constant)	$6.626 \times 10^{-34} \text{ J}$	6626
l_p (Planck length)	$6.362 \times 10^{-8} \text{ in}$	6362
m_p (Planck mass)	$4.799 \times 10^{-8} \text{ amu}$	4799



„Numero Platonis obscurus“
a tonal index
 $60^4 = 12.960.000$

... are there similarities on a large scale basing on the Pythagorean theory?

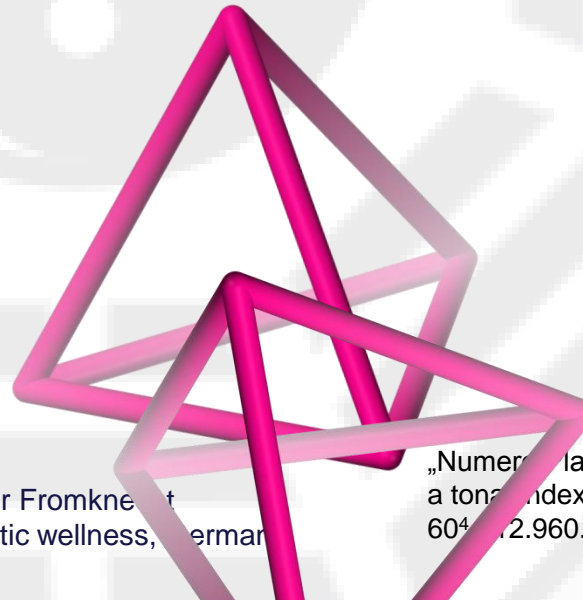
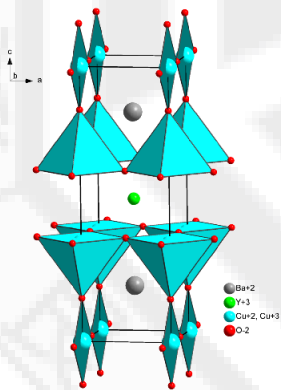


- the Great Pyramid a **harmonic oscillator** and also a **huge crystal** ?
- **intermeshed feedback loops**?
- **unexpected clusters** of proximities and **harmonious of Planck's constant** in the **important functional elements** of the Great Pyramid
- expressed the pyramid builders the **macrocosm in the form of quantum states** - and vice versa, **quantum states in the form of the macrocosm** ?




Joseph P. Farrell

YBCO superconductor



„Numeri Platonis obscurus“
a tonal index
604 12.960.000



*... back to highly advanced precision
electronic cryo-components used in
metrology and their surprising similarities to
bio systems*

How could operate the electricity transmission

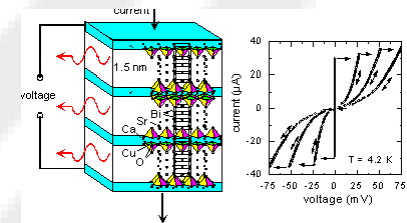
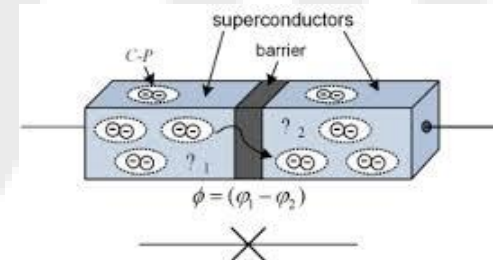
Josephson effect in 1962

Josephson said on the basis of purely theoretical derivations ahead:

Quantum tunneling of bosons (Cooper pairs: two uncorrelated electrons) between two superconductors **separated by an extremely thin insulating layer (~ 1 nm ~ 5 atoms)** until then only a single electron tunnel from known a macroscopic quantum effect



B. Josephson



Josephson B., "Possible new effects in superconductive tunnelling", *Physics Letters*, 1(7), 1 July, pp. 251-253. 1962).

...Josephson series contacts used for superconducting cryo-electronic devices

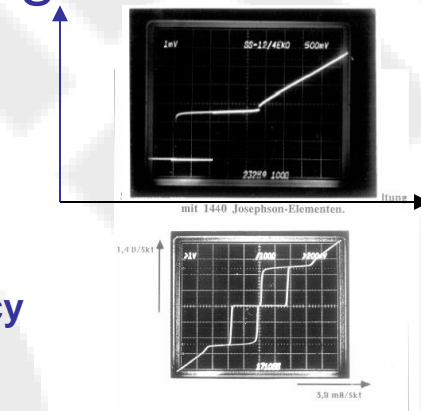
DC Effect:

Tunneling of electrons 2: Cooper pairs
finite current at zero-voltage
by thin insulating layer

AC Effect:

it represents a non-zero voltage; but then emits a high-frequency wave from the connection
indicating that now the direct current superimposed on a high-frequency AC

Josephson-single junction



~1400 Josephson-series contacts

10 V Voltage standard with 300 000 Josephson series contacts

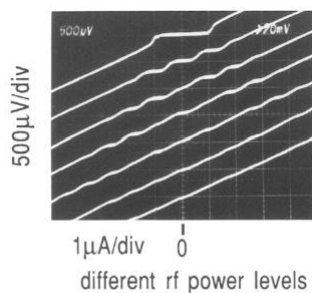
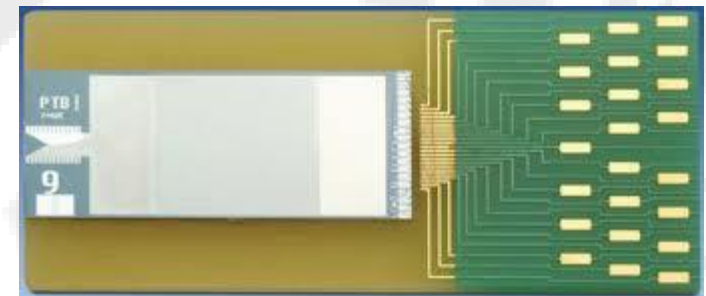
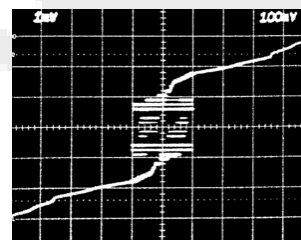
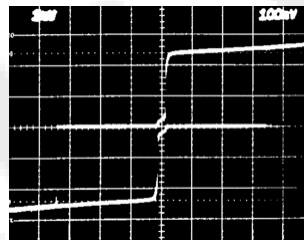


Fig. 2. I-V characteristics of a $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{YBa}_2\text{Cu}_3\text{O}_7$ point contact at low contact pressure under microwave radiation at different rf power levels: -65 dB, -43 dB, -38 dB, -34 dB, -30 dB, -28 dB, -23 dB, beginning with the upper curve. The frequency is 90 GHz. $I_c = 1 \mu\text{A}$; $R_N = 200 \Omega$; $I_c R_N = 0.2 \text{ mV}$; $T = 4.2 \text{ K}$.



... such similar effects observed in biological systems ?

- Josephson effect also applies beyond the special case of low-temperature superconductivity for separate but also usually highly correlated discrete areas. (del Giudice)
- Experiments by del Giudice and staff show such effects in living systems (yeast-cells) superconductivity is usually associated with bulk properties



Del Giudice

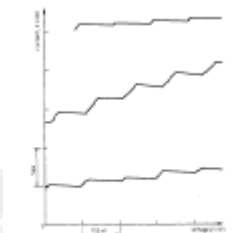
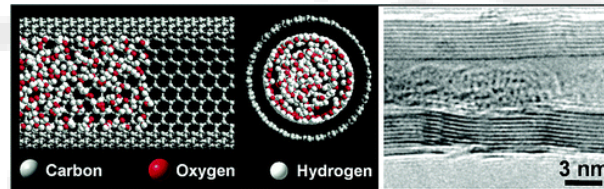


Fig. 2. Step in the voltage-current characteristics of two yeast cells (2).
Circuit: - normal dipole (measured) during the 2-3 min before the
occurrence of cell division (i.e., after 4 h of incubation). External magnetic
field 0.5 T and temperature 20°C.

Del Giudice E., et.al., Phys.Scripta, vol.40, 786-791, 1989

...confined water in closed carbon nanotubes for new device development

- confined water in carbon nanotubes 2–5-nm-diameter
- **Transmission Electron Microscope** observations, **Electron Energy Loss Spectroscopy** and **Energy Dispersive Spectrometry** analyses, indicate the presence of water in it.
- the fluid mobility is greatly retarded compared to that on the macroscale
- findings pose new challenges for modeling and device development work in this area



Nevin Naguib, et.al., Nano Letters, 2004, 4 (11), pp 2237–2243



Michael Naguib Abdelmalak

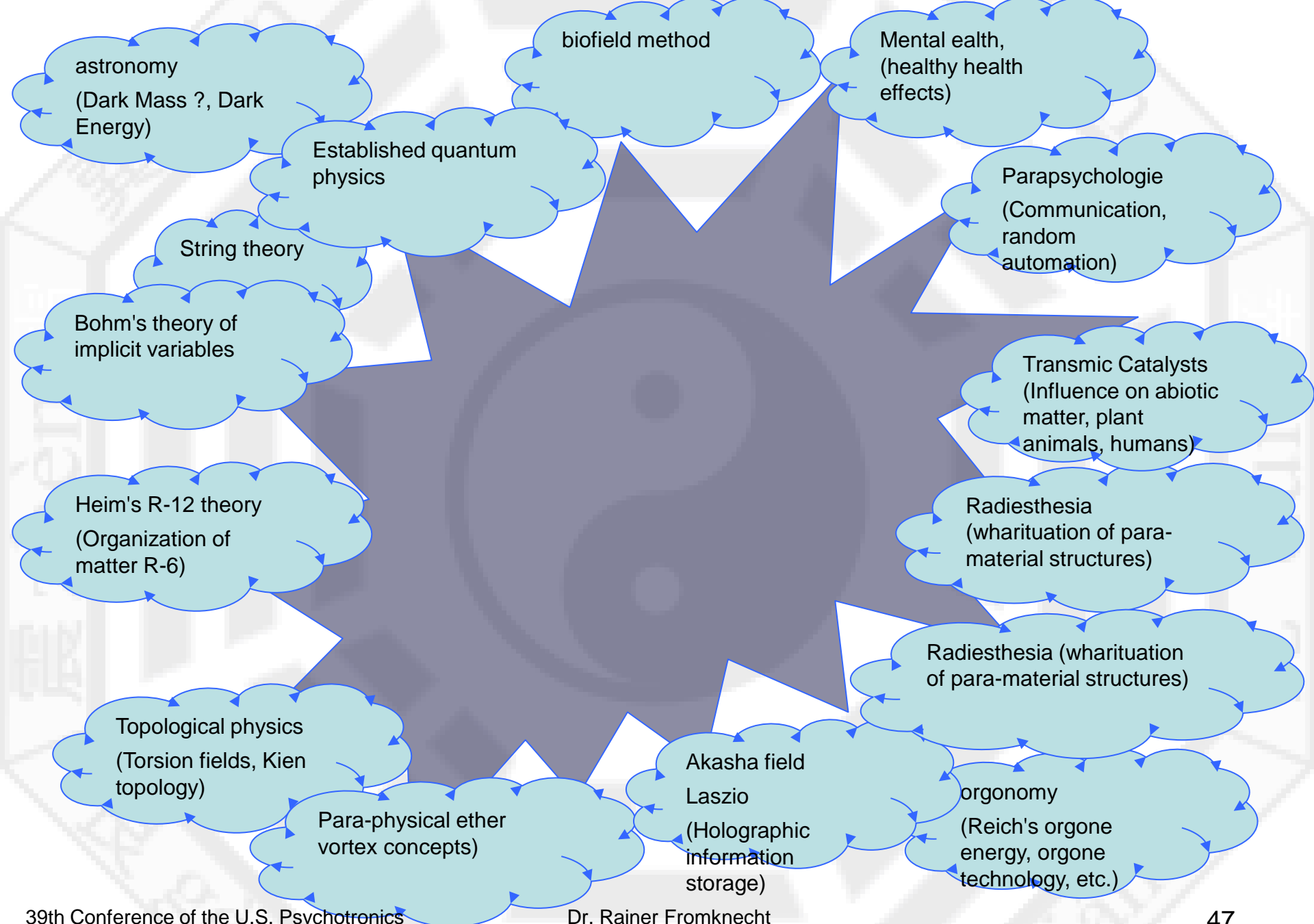


Rainbow worm

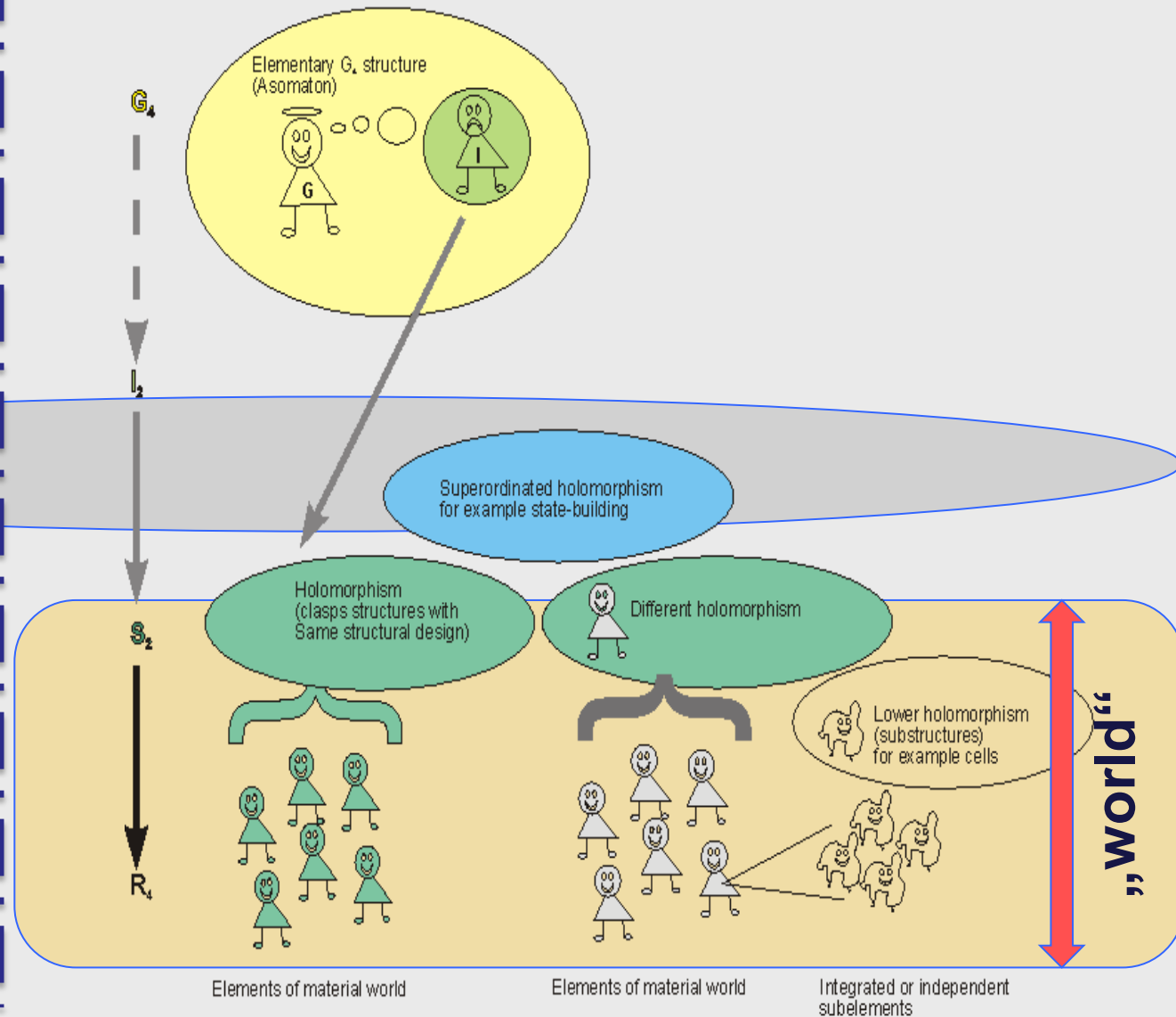
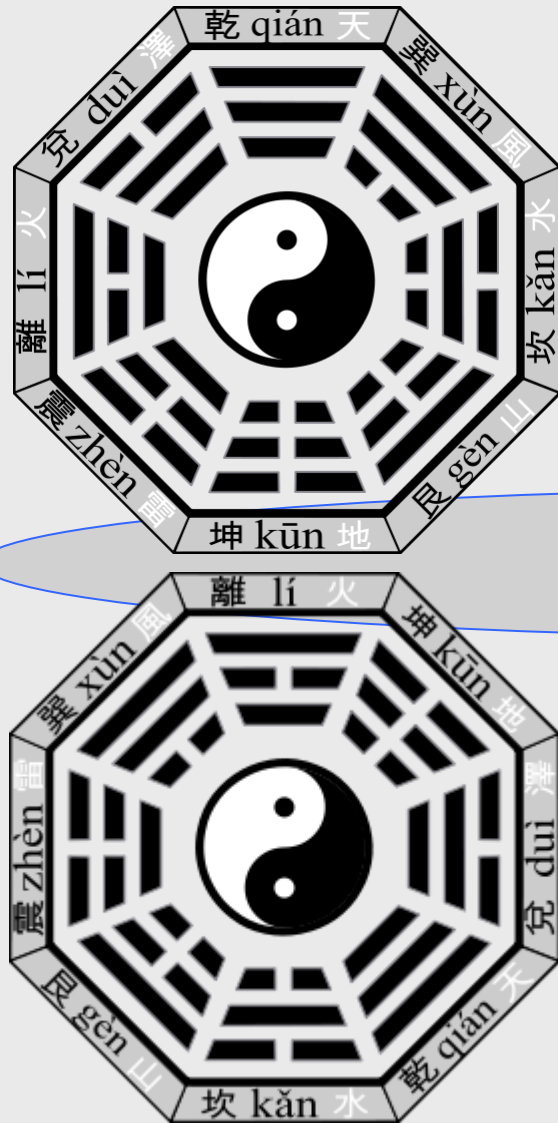


Mae Wan Ho

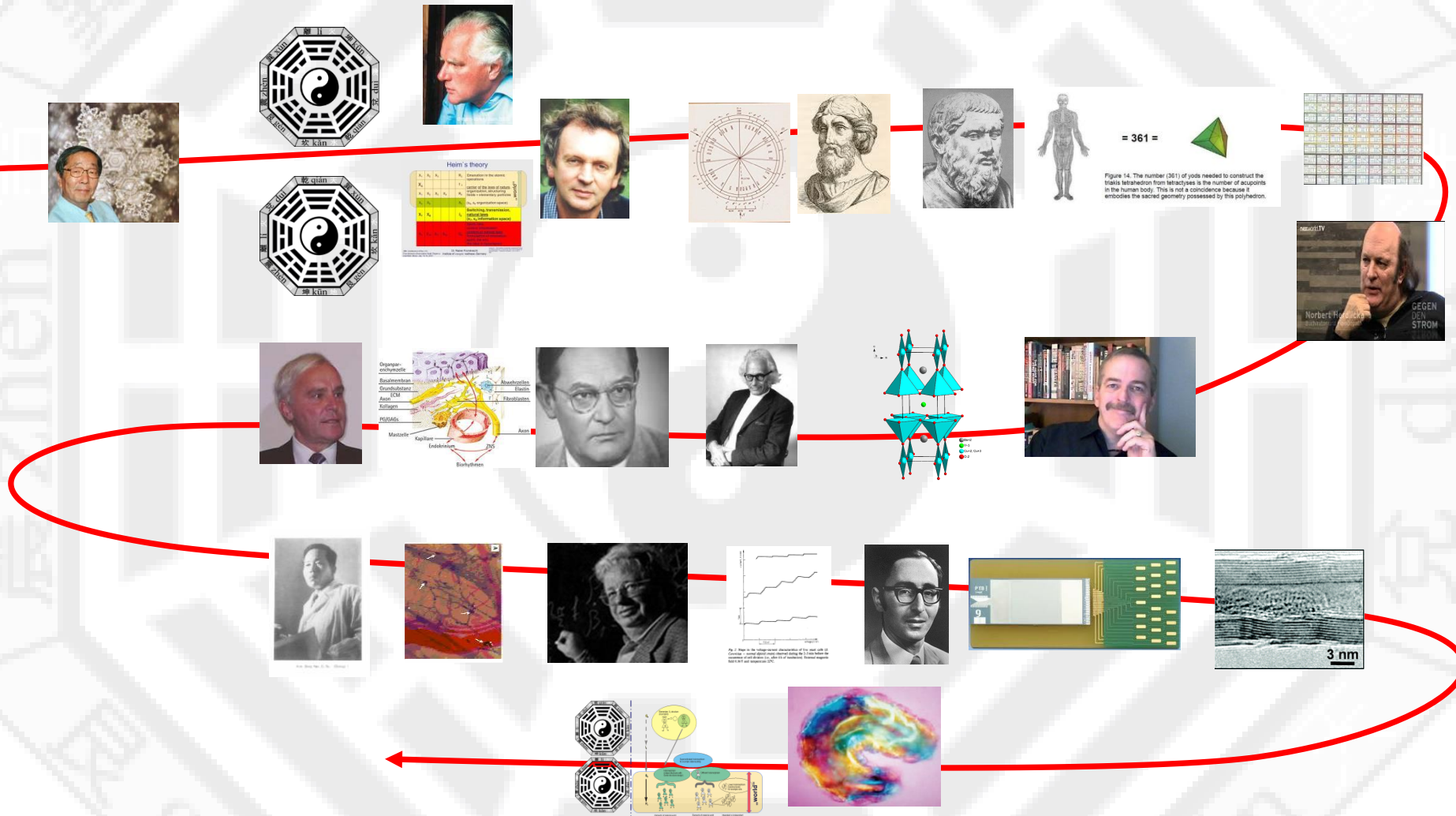
<http://www.helladelicious.com/diy/2011/05/local-freedom-and-global-cohesion/>



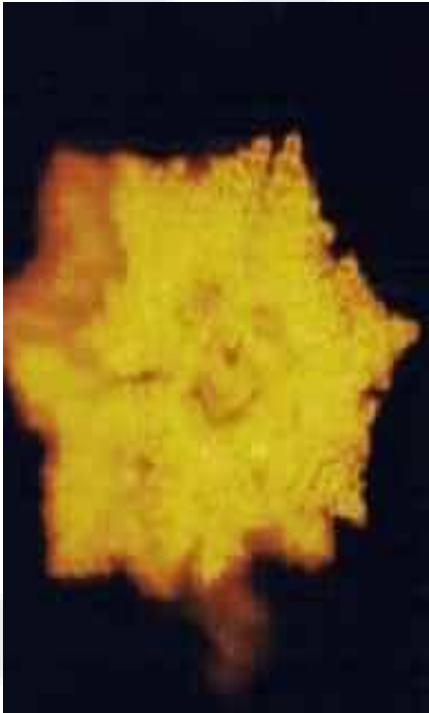
Bagua vs Heim's theory



... your take home message



Thank you



in english



in japanese

お願いいたします