Prof. Friedrich H. Balck

Physical Experiments with Subtle Matter -Human Beings as Sensor

Earth's Fields and their Influence on Organisms June 15-18 2017 Birštonas (Vilnius)



Earth's Fields and their Influence on Organisms





Method: Observe and Measure

Other Senses

first: Observations by human senses (possibly also animals)

About 1600: Improvement of observations by measuring instruments



Reversal is not possible!

"Not measurable" does not mean that nothing exists! For example, a gourmet has not been replaced by devices so far! ● ● Biosensor-Physik

Human being als biological Sensor

About one in five people have advanced possibilities of perception. There are invisible structures (radiations, waves, or zones) that can be perceived by these sensitive persons.

There are different senses that are more or less open.

• "Feel",

Physically with hands, head, stomach etc.

• "See",

recognize and scan structures with the "beam of sight" (J. Purner) or as a whole "picture"

• "Hear"

while perceiving nerve impulses at different clock frequencies

• Using a rod or tensor as indicator.

(Like the light pointer in the galvanomter)

Galvanometer with rotating mirror (Siemens & Halske)



Biological Sensors as physical detectors for the perception of invisible structures

The invisible structures are associated with a kind of matter that is not visible to ordinary eyes or cameras. More than a hundred years ago this matter was called **"Aether"**.

Since that time one tries to prove the "aether" with experiments in the visible range, but so far without success.

Today, the names "dark matter" oder "subtle matter" are in use.

biosensor/aether.htm



Forgotten, disregarded and more recent experiments:

a) Reichenbach 1850; Korschelt 1892; Jansen 1907; Feerhow 1914; Scheminsky 1919; Cody 1939

b) newer experiments by Volkamer 2003 (subtle matter)

c) "Remote-Viewing" could be confirmed by scientific methods. (H. Puthof, R. Targ 1995, 2013, E. Snowden 2013)

d) Wilhelm Reich (1897-1957) Orgon research

biosensor/b-literatur.htm biosensor/reichenbach.htm biosensor/remote-viewing.htm
K. Volkamer, Detection of Dark-Matter-Radiation of Stars During Visible Sun Eclipse, Nuclear Physics B (Proc. Suppl.) 124 (2003) 117-127
K. Volkamer, Feinstoffliche Erweiterung unseres Weltbildes, Weißensee-Verlag, Berlin, (2009) ISBN 978-3-89998-133-9
R. Targ, PSI - Die Welt ist anders, als sie zu sein scheint. Cratona Verlag, Amerang (2013) ISBN 978-3-86191-040-4
W. Reich, Das Oranur-Experiment, zweiter Bericht 1951-1956 (1957), Deutsche Erstausgabe 1997, Zweitausendundeins ISBN 3-86150-194-5

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State of Scientific Knowledge



de.wikipedia.org/wiki/Karl_von_Reichenbach#mediaviewer/File:Karl_Reichenbach.jpg

odische Lohe

und einige

Bewegungserscheinungen

als

nenentdeckte Formen des adischen Princips in der Natur.

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#### Sechs Borträge

gehalten in der kaiserlichen Akademie der Wiffenschaften in Wien vom 11. Mai bis 20. Juli 1865, in freiem Auszuge und durch Zusätze vervollständigt.

#### Industrialist, chemist, naturalist, philosopher

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#### State of Scientific Knowledge

#### Reichenbach and his experiments with magnets



sketch: reddish and bluish structures around a horseshoe magnet. According to the information from Reichenbach "...the large fine iris is similarly located on each of the two magnetic poles, on the one wrapped in a **reddish mist**, on the other penetrated and embraced in a **bluish haze**. "

#### Multi-layer horseshoe magnet

from Stoehrer's Induktionsapparat, middle of 19 th century. prabably similar to the device used by Reichenbach

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29 cm high



#### State of Scientific Knowledge

#### Reichenbach and his experiments with magnets





Image of a shadow on a photoplate after "exposure" with a magnet Reichenbach (1849)/

After prolonged stay in complete darkness, drawn in accordance with the observations of the subjects.

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**Interpretension Biosensor-Physik** 

### State of Scientific Knowledge

### Reproduction of v. Reichenbach's Experiment

In 2013, Reichenbach's experiment could even be successfully reproduced in bright lamplight. A pocket knife is easily magnetized, with the south pole on the left and the north pole on the right. Under normal incandescent lighting, the test person G.R. could perceive both color phenomena at the magnet's poles: **red** at the north pole and **blue** at the south.

- She described the effects by moving her hand in a helical motion from the north pole of the magnet in the axial direction to a distance of half a meter.
- The author knows several people who can also "see" the structures and other individuals who can perceive them with their hands and can sense the range of the structures.



biosensor/zensur.htm biosensor/bbwegte-materie.htm

• Biosensor-Physik Method:

### Structures with a toroid coil

Structures laid out by five independent observers for a toroid with 75 nA direct current applied. The structures are numbered consecutively. The slope of the five best-fit lines show a periodic distance of approximately 1.6 m for the markings. The observers of the two upper curves (red and blue) found twice as many elements.



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#### "Seeing" electric power

#### Expanding the experiments of v. Reichenbach

A lacquered copper wire hanging from above with a very weak direct current flowing through it. In front of the video camera, the observer shows with his hands

the position of the structures "visible" to him.



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## Expanding the experiments of v. Reichenbach



Outlined by the observer: these bell-shaped structures found along the wire; at higher currents, they become faster and wider.



"Seeing" electric power



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Structures determined from the observer's hand positions on the video; on the right, motion of both hands simultaneously. Distance about 300 mm (blue arrow), speed about 70 mm / s.

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#### Zones around soap-stone





The pond skater possesses a soft external structure.

G. Engelsing

Zones around bodies: perceivable structures around a piece of soap-stone. The outermost shell has a radius of over 8 m. Inside are several groups.





#### Different masses: rose quartz (gram)

biosensor/rosenquarz.htm



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Different materials of different masses: rose quartz, bricks, granite, limestone, beeswax

50th



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## Working hypothesis:

- Every body has a spherical orbital.
- The shell of the body can be perceived by human sensors.
- It contains information about the material.



Cross section through the orbital

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#### Real und "subtle" Matter

For **real matter** with volume **V**, mass **m**, and density  $\rho$  the following apply:

$$V = \frac{1}{\rho} \cdot m$$

Observation of **subtle structures** shows:

The volume V of the orbital is proportional to the mass of the included body plus a constant  $c_2$ :  $V - c_4 + m + c_4$ 



$$V = c_1 \cdot m + c_2$$

For a sphere the following applies:

$$V \sim R^3$$

 $R^3 \sim c_1 \cdot m + c_2$ 

$$R \sim \sqrt[3]{C_1 \cdot m + C_2}$$



#### **Zones around stones**





#### Zones around stones and beeswax





#### With two objects of identical material, the orbitals merge.



left: The two stones (red and yellow marked) are separated by a large distance.Their orbitals do not touch.below: At the short distance their orbitals overlap.



#### Analogous with gravity?

biosensor/rosenquarz.htm#kapitel-03-02

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#### Summary

## Influence on Organisms:

- Humans as biological sensors are one of the **missing links** for exploring the existence of invisible matter.
- Experiments with sensitive persons can expand our experimental capabilities and sharpen the senses to **another view of the physical world.**
- They can also serve as an **early warning** of the subtle effects of new technologies.
- Thus, we could create a **healthier environment** if the perceptions of sensitive people were used as a basis for further research.
- These monitoring possibilities are necessary for developing **new measuring devices**.



#### Subtle Matter

- Our observations and conclusions do not violate known fundamental principles of physics.
- The experimental results suggest the existence of subtle matter.
- Technical devices affect subtle matter. They can change the existing structures and produce new ones.
- Some resting bodies are surrounded by invisible structures of this matter. The influence of the material properties is still to be investigated.

#### Subtle matter is involved in Earth's fields.