

Mind and Matter

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http://www2.pe.tu-clausthal.de/agbalck/biosensor/b-literatur.htm Literature:

http://www2.pe.tu-clausthal.de/agbalck/biosensor/informationsfelder-evolution-002.pdf Overview:



Mind

Matter





Fundamental research in combination with radiaesthesia and physics

"Radiesthesia is the claimed paranormal or parapsychological ability to detect "radiation" within the human body. According to the theory, all human bodies give off unique or characteristic "radiations" as do all other physical bodies or objects. Such radiations are often termed an "aura". A practitioner of radiesthesia claims to detect the interplay of these radiations. Thus radiesthesia is cited as the explanation of such phenomena as dowsing by rods and pendulums in order to locate buried substances, diagnose illnesses, and the

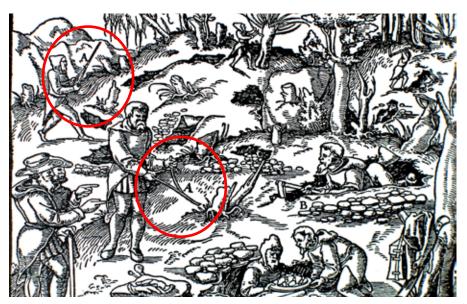
like. The term "radiesthesia" first entered English in the 1930s and was borrowed from the earlier French radiésthesie. The English word is a compound of the prefix radi(o)-, referring to radiation and the rare term aesthesia meaning "perception by the senses", or "the capacity for feeling or sensation", which comes from the ancient Greek aisthesis "a perceiving"."

https://en.wikipedia.org/wiki/Radiesthesia

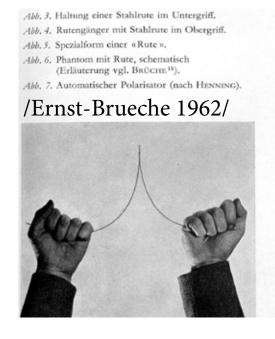


Dowsing rod, application past and present.

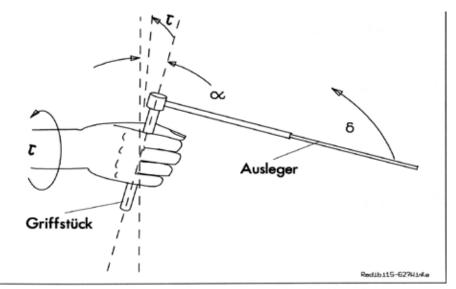
Radiaesthesia



Georg Agricola, 2. Book

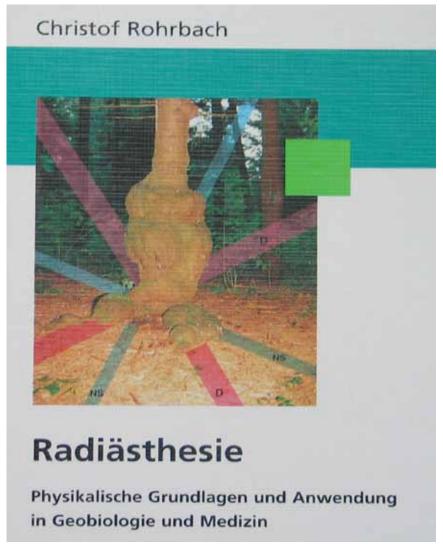






6.2.7 Zur Berechnung der Winkelrute

L-Rod/Rohrbach 1996/



Christof Rohrbach, Vice President and Professor of Materials Research and Testing at the Federal Institute

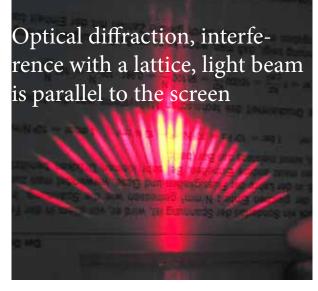
Ch. Rohrbach, Radiästhesie - Karl F. Haug Verlag, Heidelberg (1996)

Radiaesthesia

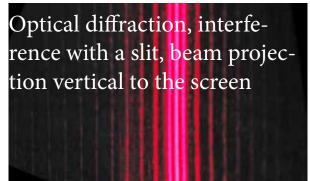


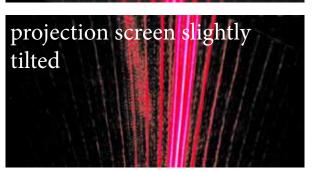
Dr. Hans-Dieter Langer, (Dipl. Phys.) Initiator of the dowsing rod exposition, www.drhdl.de



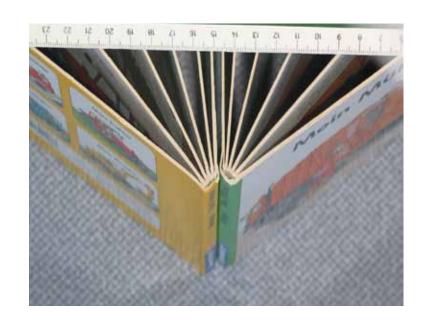


Optics

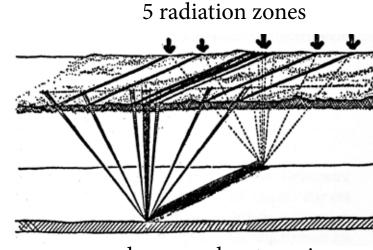




Radiaesthesia



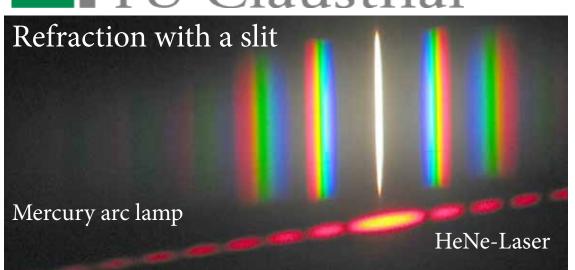
Perceivable "picture" of a water vein



underground water vein



Observing (seeing or perceiving) an interference pattern.



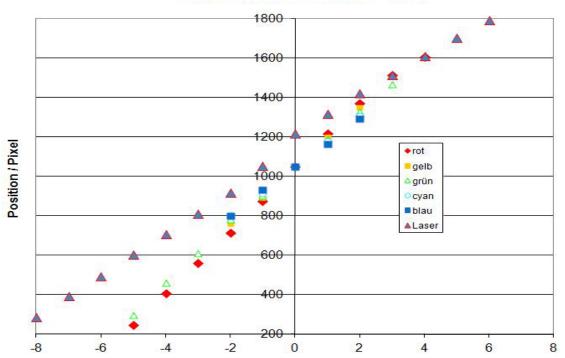
Observing with the eyes well accepted and objective measure

A criterion for objectivity is:

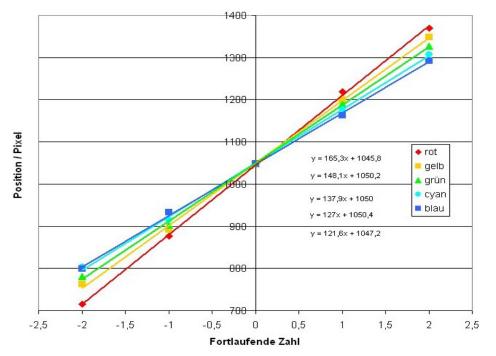
plotting the determined positions of the maxima versus consecutive numbers the determined positions should show similar distances between them (in space or angle) i.e. a graph should show linear behavior.

The pattern found should be symmetric to the middle and the slope of the line should linearly depend on the wavelength of the light.

Beugungsbild Hg-Lampe und HeNe-Laser

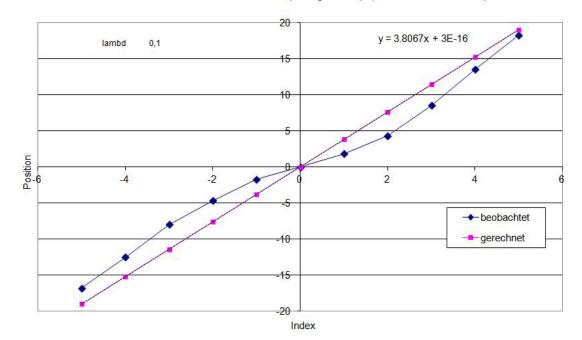


Beugungsbild Hg-Lampe





Beugungsmuster auf dem Damm Unterer Eschenbacher Teich aktiver oberer Fall (Striegelhaus) (rückwärts 14.3.2007)



Interference pattern detected for a pond in a ditch

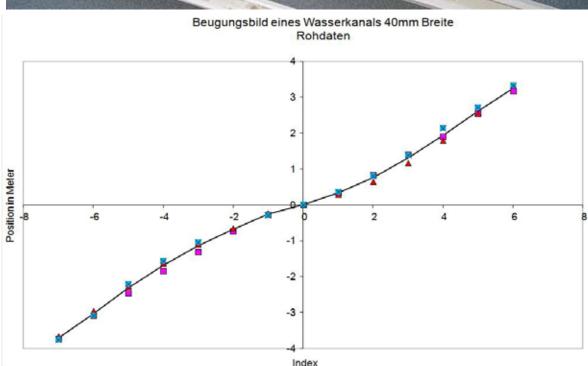


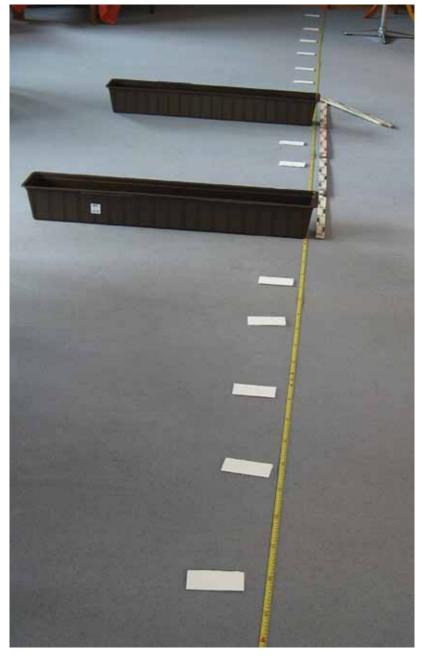




TU Clausthal Interference pattern detected for a plastic form







13.10.2012 Prof. Dr. Friedrich H. Balck



Radiaesthesia





Outside the knowledge in textbooks: Unknown influences, dependence of a site on trees









How do these sites affect humans?



Extension of our perception of the world



Transfer of information between living creatures



Natural (conscious) channels for transfer and information e.g. between humans, senses : language, sight, facial expression

consciousness

consciousness

Technologies: phone, radio, WWW,GPS
Search engines Google, Wikipedia... Exchange of data: text, picture, mail (e-mail), position
Social networks: Facebook virtual realities: Second life

Conscious access to the subconscious, coupling the two halves of the brain

Personal unconsciousness

Information fields Burkhardt Heim 1925 - 2001

Collective unconsciousness Carl Gustav Jung 1875-196 Morphic fields Rupert Sheldrake 1942 Personal unconsciousness

Information fields

Astrology Telepathy Astrology

Thought transmission, remote viewing

Sagas, myth

Natural beings, fairies, trolls

Physics

Quantum entanglement, memory of water, construction plan of elementary particles Religion

Spiritual Word, message from angels, reincarnation, shamanism, soul of deceased, soul

Information field

Biology

Regeneration of body parts (salamander) Morphic fields, knowledge transfer, construction plans Orientation of humans and animals

Medicine

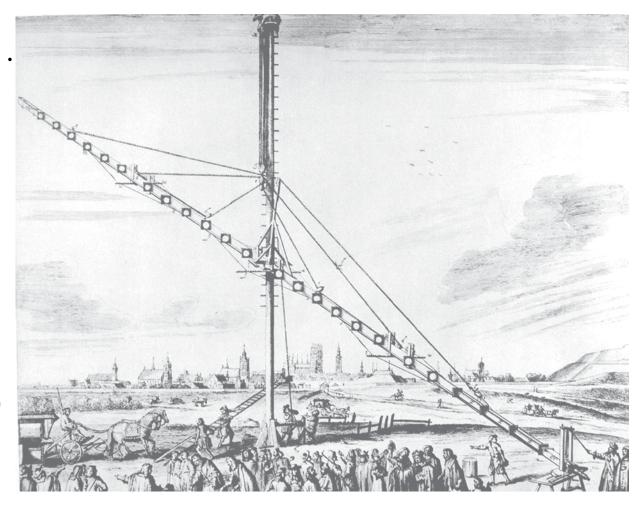
Homoeopathy Information medicine Energy medicine Hypnotism



Matter and their parts

From observations to knowledge in books . . .

Telescope of Johannes Hevlius (Gdansk) in Machina coelestis, Gdansk 1673



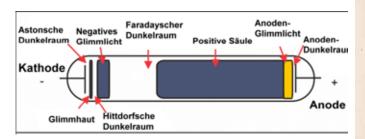


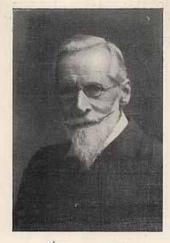
Matter and its parts

The glow discharge in a glass tube showing the existence of charged particles and radiation allows for the study of their properties.

Light, positive and negative particles, which can be deflected by magnets: electrons, ions etc.

William Crookes 1832-1919

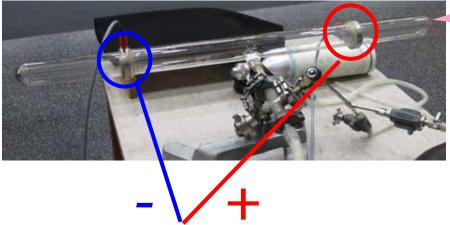








Cone with aperture angle of about 30 degrees



electrodes with holes drilled in the middle

Observation in December 2011: Outside the right side (cathode) of the Duran glass tube something can be perceived on the palm at a distance of up to 1.5 meters. Comment of a student: "something warm". Discharge voltage: 630 V, current 0.3 mA Was this effect ignored because it was not visible? Similar effects can be observed for semiconductors, LEDs and energy saving lamps.

(Hyperschall / Gebbensleben 2010/)

http://upload.wikimedia.org/wikipedia/commons/5/58/Glow-discharge-schematic-de.png



Hypotheses about invisible matter

Assumption 1:

Invisible matter exists.

example

1 astrophysics Dark Matter

2 Volkamer weighing experiment subtle matter

Assumption 2:

Subtle matter is indeed invisible but can be perceived.

example

1 effects of radiaesthia are based on subtle matter.

2 mental paths (e.g. Psi-Track) can be installed by the mind. They can be read by other persons and erased by some of them.

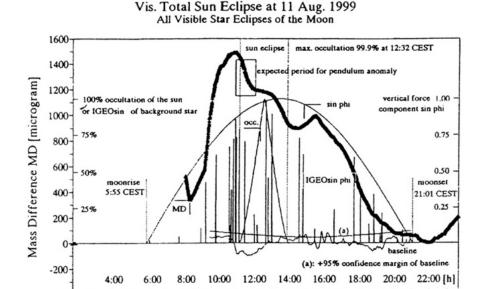


Speculation for the existence of subtle matter

Dr. Klaus Volkamer, weighing experiments differential balance with high precision (Sartorius)

resolvable changes 1:1 million

K. Volkamer/Nuclear Physics B (Proc. Suppl.) 124 (2003) 117-127



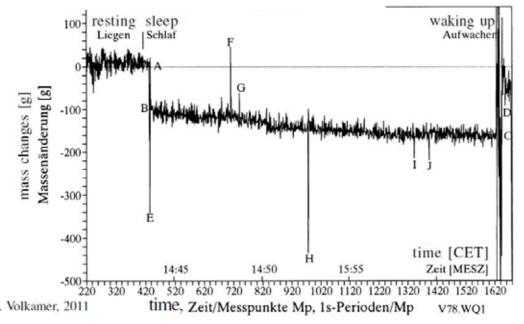
1000

Time in hours, CEST/ No. of Measurement

1200 1400

weight changes during the solar eclipse 11.August 1999

(C) with permission of Klaus Volkamer.



weight changes of a person during sleep There is a steady decrease of weight (loss of water with breathing) and unsteady changes when the person fell asleep and awakened. (C) with permission of Klaus Volkamer.



Application with perceiving senses

Perceivable zones

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Body fields of humans

reaction barrier as a measure for stress

Ego sphere, radius 3.2 m

mental sphere, radius about 2 m decreases with stress

> reaction barrier = alert zone

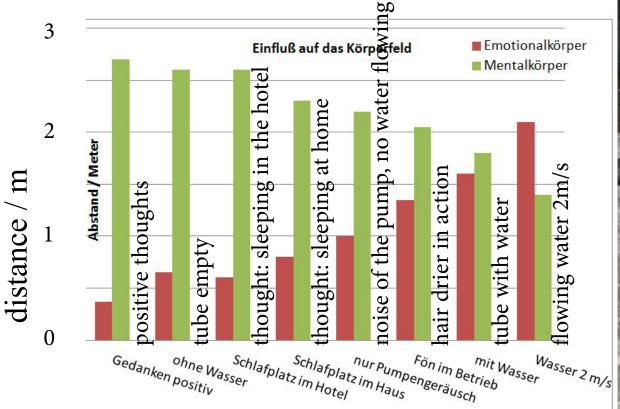
emotional sphere, radius about 0.5 m the radius increases with stress level

Stress

Stress

Body fields of humans reaction barrier as a measure for stress

Measure of emotional und mental sphere



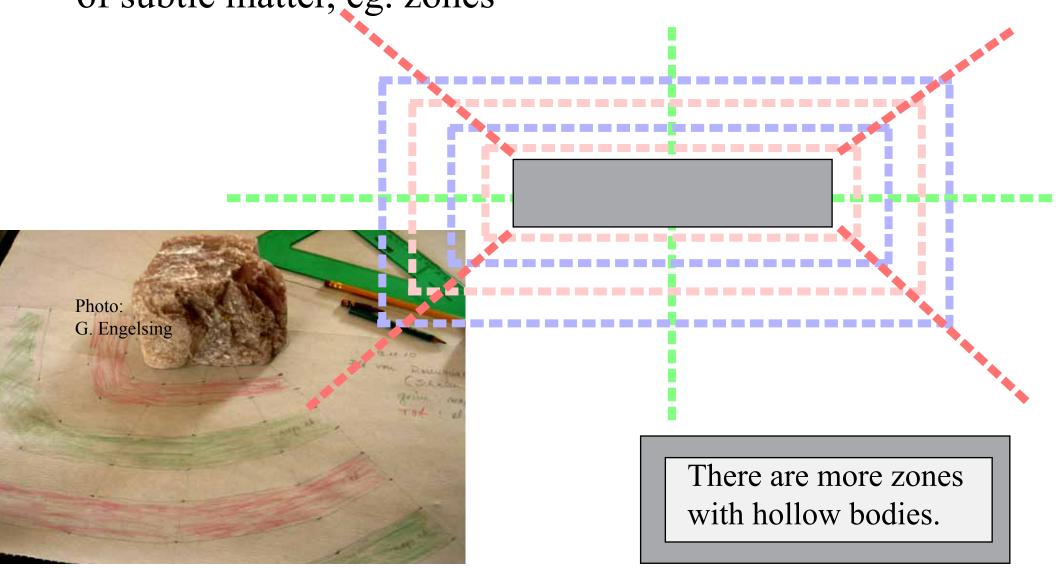
With stress the red columns become larger and the green ones smaller.

/biosensor/kuehlwasser-neun.htm





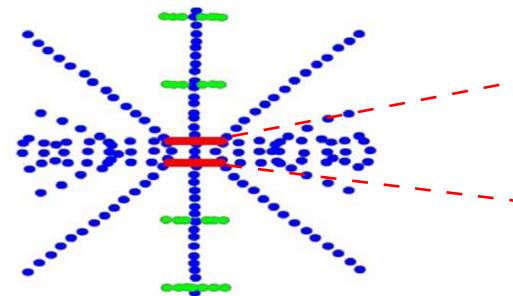
Bodies are surrounded by structures of subtle matter, eg. zones

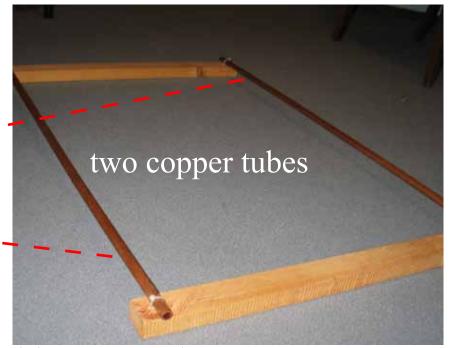


/biosensor/kuehlwasser-sieben.htm



Bodies have perceivable zones





perceivable zones, interference pattern with copper tubes /Reddish, 1998/



/biosensor/reddish.htm

Wooden organ pipe and stainless steel pot. Some of the zones cannot be perceived when they are filled with eg. CO2 instead of air. Noble gases in the air are responsible for the existence of these zones.

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Zones of water jets

A water jet going vertically down is investigated. The positions of the zones are marked on the grass (right)



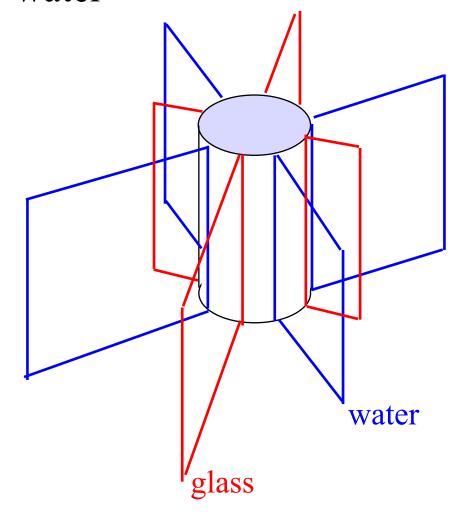
/biosensor/kuehlwasser-acht.htm

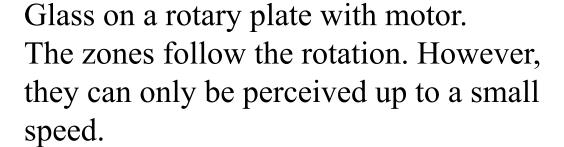




Water jet tilted.

Perceivable zones of a glass and water





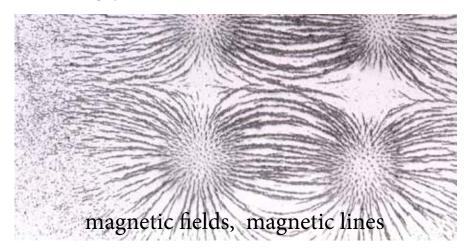


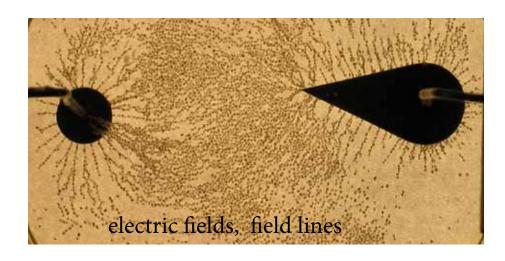
/biosensor/kuehlwasser-sieben.htm





Energy research





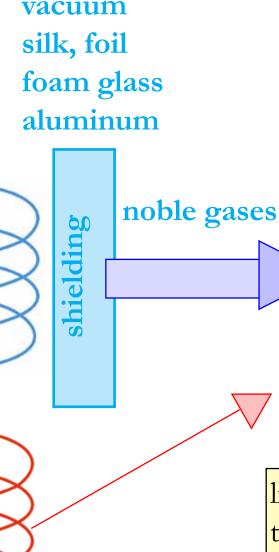
up until now, no observed impact of magnetic and electric fields







Propagation and verification of the impact of water together with magnetic fields



EEG

light/heavy

tired, awake

27

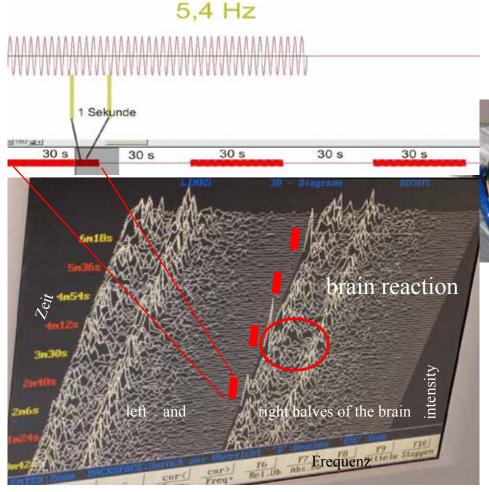
water 2 m/s

alternating current 0,5 mA

1 bis 20 Hz frequency generator

/biosensor/kuehlwasser-vier.htm

Influence of water and a very small, alternating magnetic field on the brain



G. Haffelder coil Brucher ElectroEncephaloGram

/biosensor/kuehlwasser-fuenf.htm

Bypassing the defense mechanism, disguise



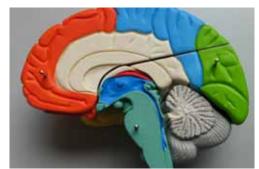
Illustration by Gustave Doré from Les Contes de Perrault, 1862

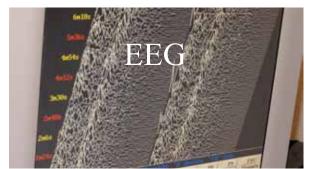
Little Red Riding Hood

The wolf gets into other regions by disguise.

The influence of flowing water and very small, alternating magnetic fields The brain obviously does not recognize it as foreign if frequency, intensity and character of the waves are like its own.







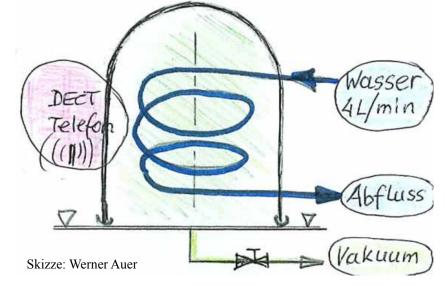
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Transfer medium

A water coil in a vacuum vessel does not have a perceivable zone when the air is pumped off.

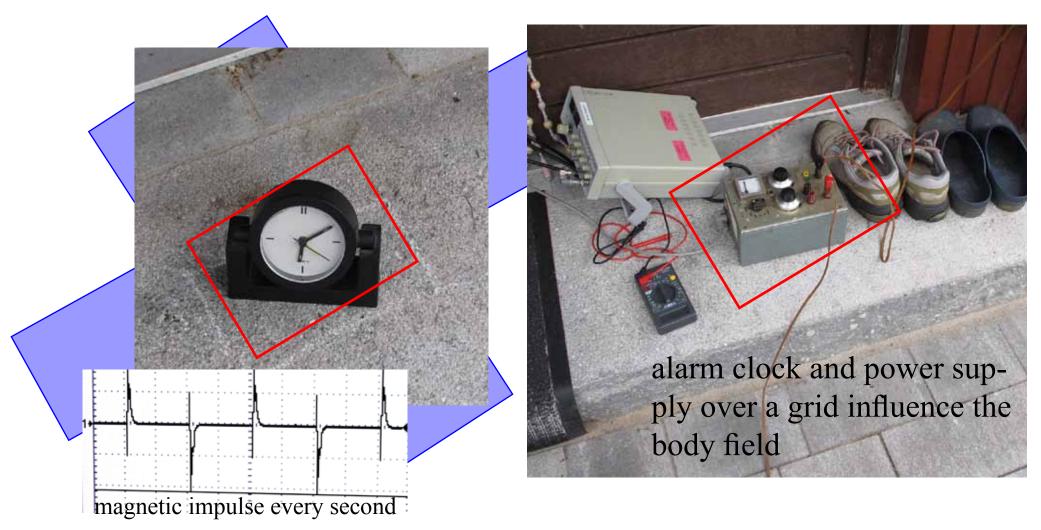
However, when the vessel is filled with noble gases eg. helium, argon, neon, the zones become perceivable at a pressure of about 1 % that of air.





Noble gases are essential for the transfer.

Influence of magnetic fields and radiaesthetic zones on the brain.



Alternating magnetic fields can transfer information into the structures. These zones thereby attain other perceivable qualities (they become more intense).



What is a field? What is a magnetic field? What is an electric field?

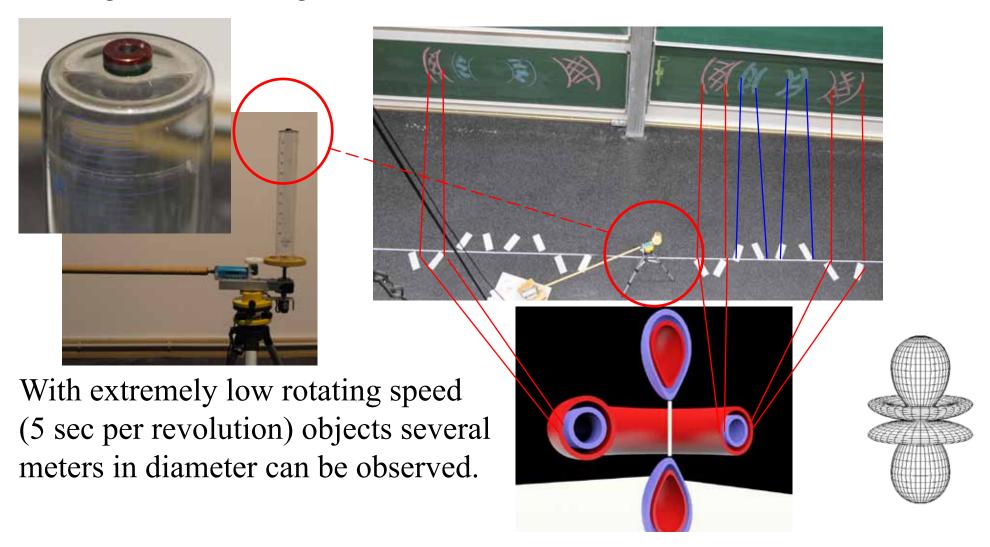
(Rudolf Fleischmann, Einführung in die Physik 1970, Physik Verlag Verlag Chemie) "4.1. Fundamental observations, existence of electric and magnetic fields. Before we discuss quantitative rules about electric and magnetic phenomena we must accept two existence statements:

- a) magnetic fields exist
- b) electric fields exist.

Furthermore, an electric charge is surrounded by an electric field a magnet by a magnetic field.



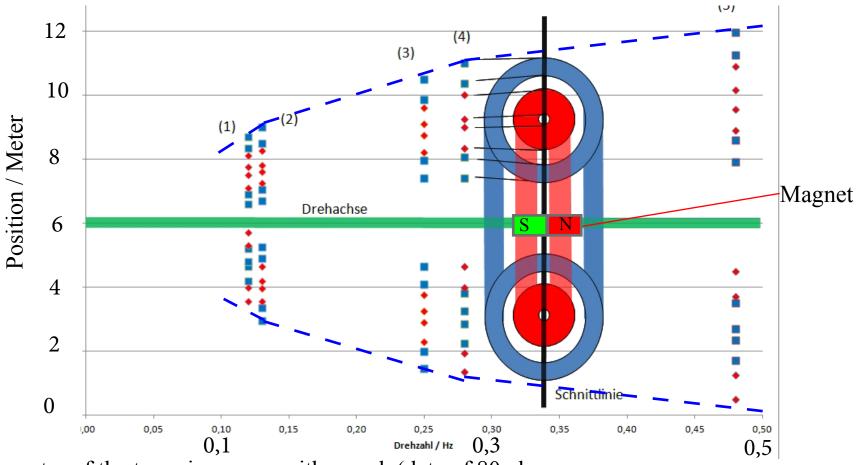
Perceivable structures generated by a magnet rotating around a longitudinal axis.





Perceivable structures generated by a magnet rotating around a longitudinal axis.

rotating magnet, cross section through the ring surface at different speeds

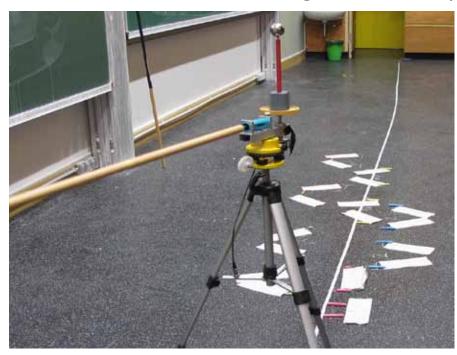


The diameter of the torus increases with speed. (data of 80 observed positions)

Axis, rotational speed / Hz



Perceivable structures generated by a rotating, charged metal ball.



The ball is part of a capacitor; the other parts are floor, wall and tripod.

It turns at a very slow rotation speed of 5 seconds per turn.

At the beginning of each experiment the ball is connected for a moment to a high voltage power supply. This equipment produces perceivable structures, which are toroidal around its axis and are several meters in



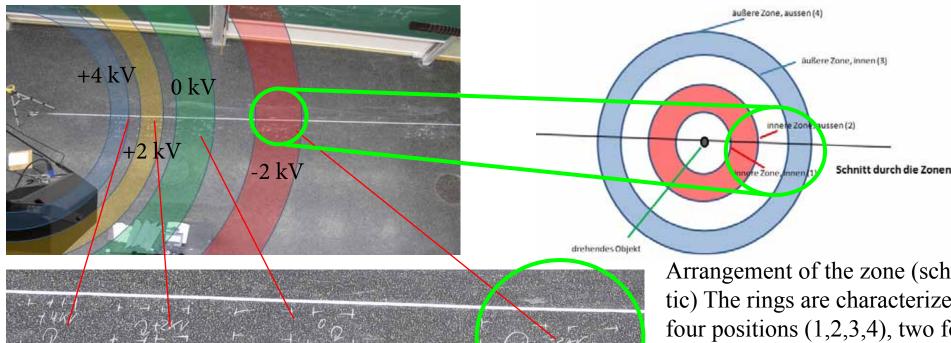
diameter.

In order to get the dimension of that structure, a white measuring tape is put on the floor. Important parts of the cross section through the

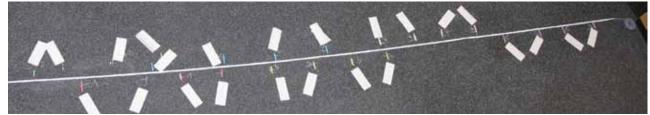
structures are marked by white paper or coloured chalk.

Two rings can be observed. Their diameters (inner and outer part of each zone) depend on speed and charging voltage.

New physics? Perceivable structures generated by a charged rotating metal ball.



Regions at different charging voltages (blue, yellow, green and red) consist of two neighboured zones. They are marked with chalk on the floor. Three different observations are shown here.



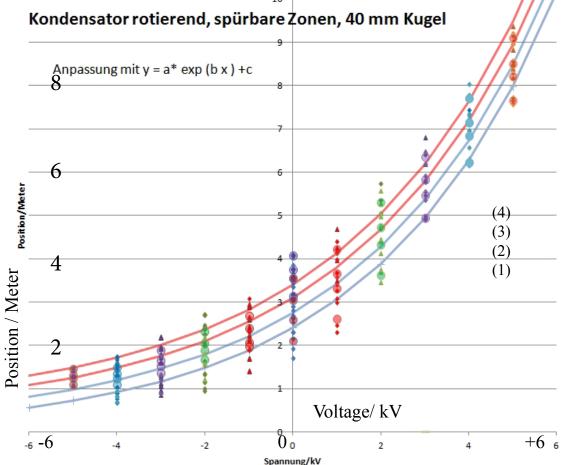
Paper and coloured chalk mark the four positions of each charging condition.

Arrangement of the zone (schematic) The rings are characterized by four positions (1,2,3,4), two for the inner (red) and two for the outer (blue) rings.

The rotating object, the sphere, is located at the center. The black line represents the path on which the positions were determined.

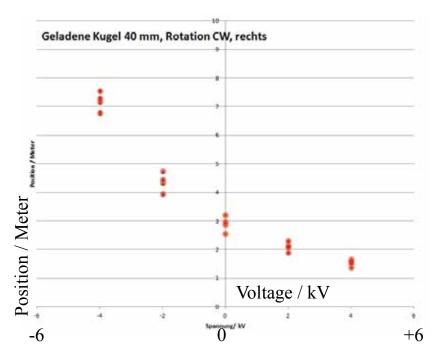


New physics? Perceivable structures generated by a charged, rotating metal ball



Results for different parameters (192 positions) rotation counterclockwise (CCW) The graph can be fitted by an exponential function. y=a*EXP(x*b)+c

	L				J
a1	2,40	b1	0,240	c 1	0,0
a2	2,55	b2	0,235	c2	0,2
a3	2,70	b3	0,230	c3	0,4
а4	2.80	b4	0.230	c4	06



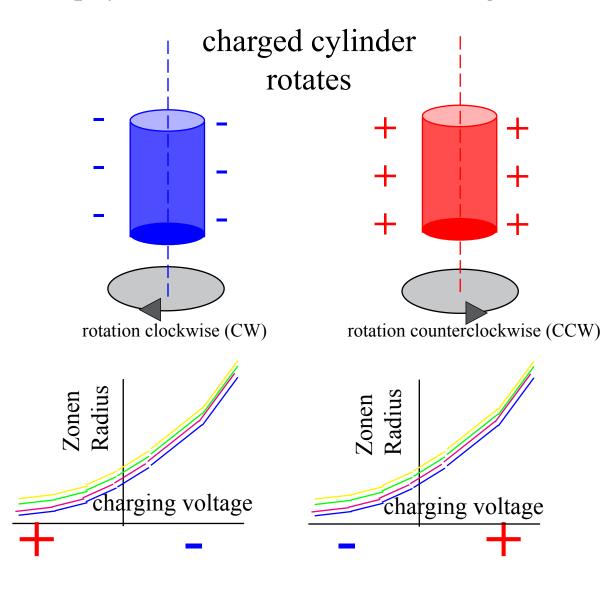
Clockwise rotation (CW)

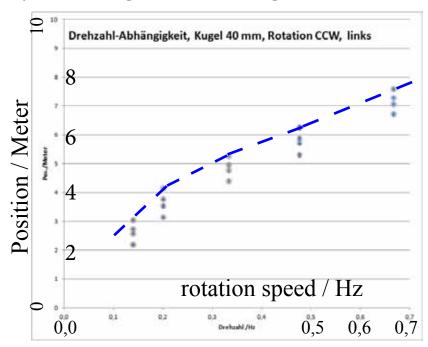
The influence of the charging voltage is reversed, i.e.

the sign of the voltage must be inverse to that of CCW rotation to increase the size of the structure with increasing charge.



New physics? Perceivable structures generated by a charged, rotating surface





Rotational speed, direction and sign of the charging voltage have an effect on the extension of the structures.

Higher speed enlarges the zones. The radii will increase with voltage when charge is positive and rotation CCW or

when charge is negative and rotation CW.



Mental path, Psi-Track and Sixpack

Mind can control matter





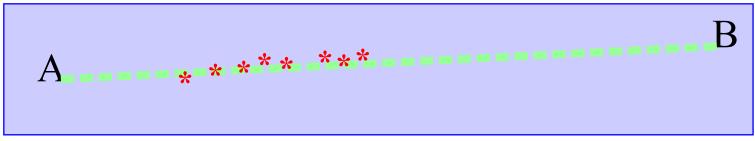
Assumption:

There is a connection between the sites A and B, which is not visible and cannot be found using conventional devices

Observation:

Some people can perceive the interconnection and can find their position and orientation.

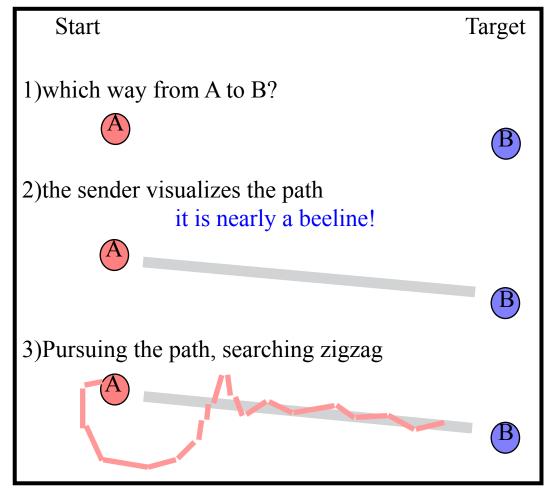
This can be concluded when most of the marked positions (*) lie in the vicinity of the interconnection and describe their alignment.



http://www2.pe.tu-clausthal.de/agbalck/biosensor/psi-track-000.htm



Experiment to verify mentally established perceivable interconnections Psi-Track between two places



this research was stimulated by the work of N.O. Jacobson, J.A. Tellefsen

Dowsing along the psi track, Journal of the Society for Psychical Research 59 (1994) 321-339

www.newphys.se/fnysik/3_1/index.html http://www.nilsolof.se/psitrack.htm



Psi-Track to targets at great distances





The target Washington is a little bit south of Clausthal-Zeller-feld at N 39 degrees

The beeline is bent in this map projection. The starting direction is west by northwest and goes over Northern Ireland.





Tracks to Grand Canary (green) and Mallorca (blue)

yellow: with GPS marked positions of the found path.

purple, green and blue: beeline to the target cyan: report of the path during search



Start

Start

www2.pe.tu-clausthal.de/agbalck/biosensor/psi-track-011.htm www2.pe.tu-clausthal.de/agbalck/biosensor/psi-track-017.htm



Psi-Track between two places

Structure:

inner part

five zones, in the middle about 20cm, in the outer zones about 8cm wide, periodical distance 0.7 m electroacoustic /magnetoacoustic *

outer part

nine zones, ca. 0.6 m wide, periodical distance 1.3 m six zones, ca. 0.3 m wide, periodical distance ca. 0.6 m

electroacoustic /magnetoacoustic *

* every 3.5 hours change by pairs

Properties

Who can establish Psi-Tracks, which requirements?

All humans can establish them using the thalamus (part of the brain), no special condition of the site necessary

Durability: ca. 30 hours, afterwards only very weak information remains in the middle.

Along the zones there are complex structures (modulated intensity ...?)

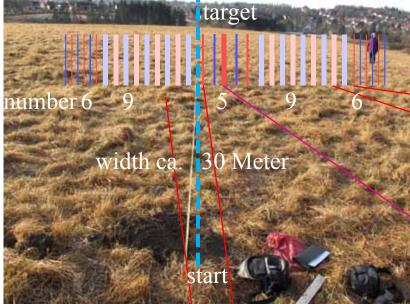
Psi-Tracks can be erased und moved but only by persons with the same sex as the author of the line.

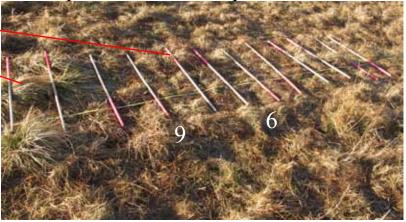
	Six
)-	nine
1	five
	nine
	SiX



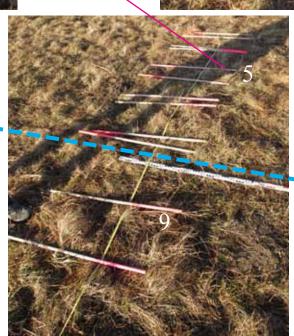
Psi-Track at Treppenberg, Clausthal

put down the path, mark the positions with wooden sticks and take the position with a tape measure.







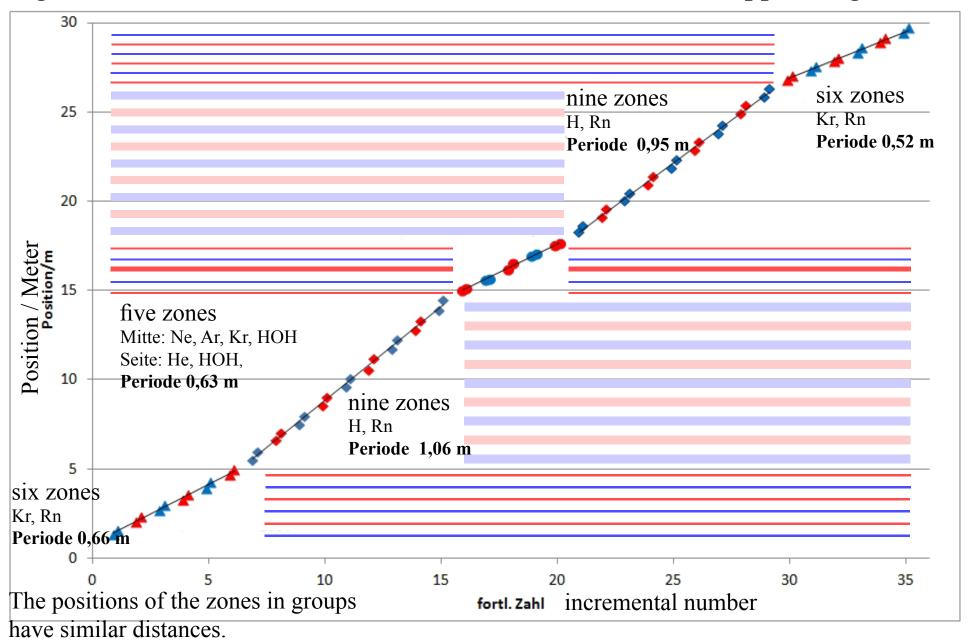


The directions of the coloured sticks show different qualities of the zones.

beeline

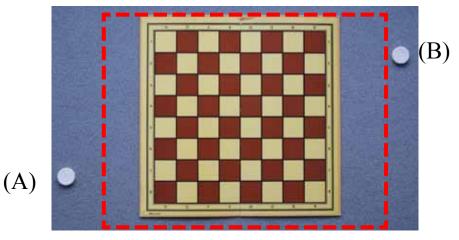


Arrangement and measurement of the zones, Psi-Track at Treppenberg, Clausthal



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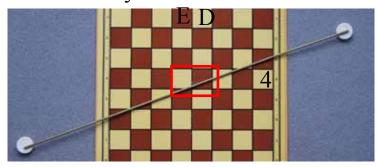




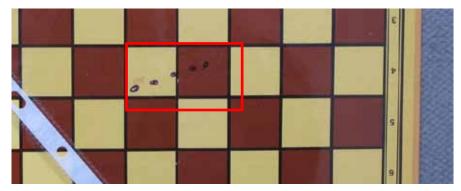
A part of the line connecting two points A and B is to be sought.

There is no line of sight.

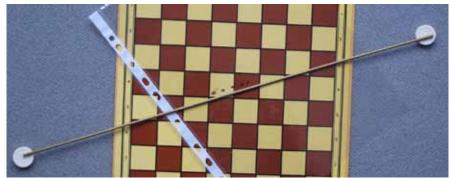
The points belong to a well-defined coordinate system.



Using a ruler the examiner defines the search area: ED-4.



Result of the search: the positions found are marked on a transparency and transferred into the coordinate system.



Proof by the examiner: the positions found are in the proximity of the connecting line and are aligned correctly.

The search procedure worked successfully.



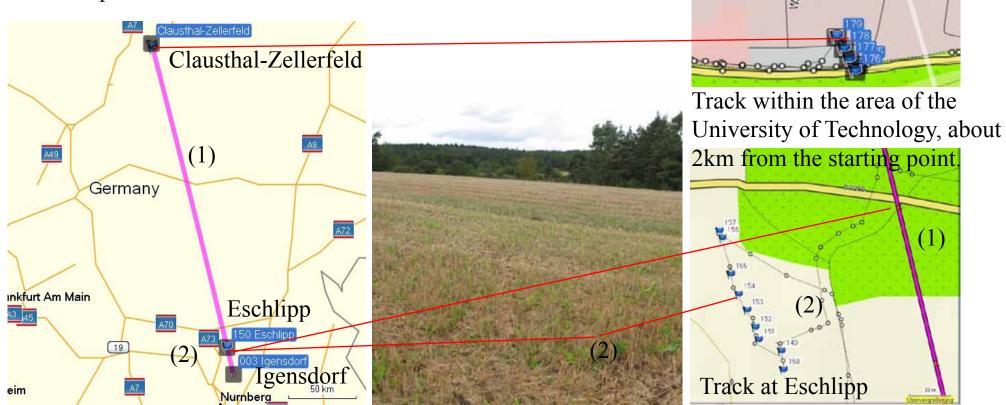
Psi-track between Clausthal-Zellerfeld and Igensdorf near Nuremberg, distance about 250 km

At the chosen sites, the path could be found near the beeline.

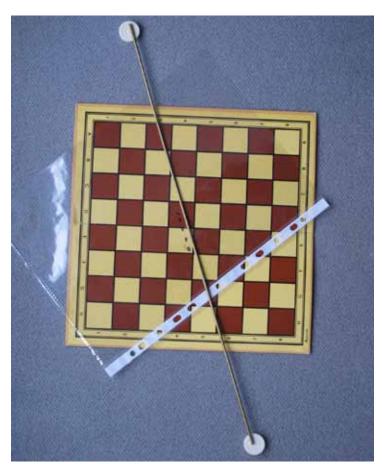
The GPS coordinates of some of the path positions were recorded.

The pictures show that the path runs parallel to the beeline (1).

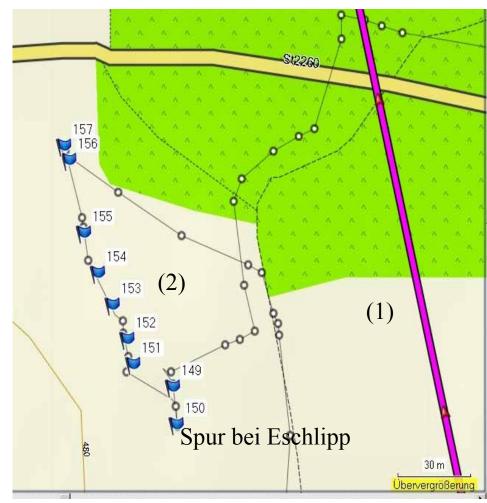
At Eschlipp (2), about 20 km north of the track end, the distance between the path and the beeline was about 100 meters.







Like the example with the chessboard, the positions found between Clausthal and Igensdorf with the numbers 149 to 157 show a direction that is parallel to the beeline at a distance of



about 100 meters.

Thus, the successful search mechanism confirms the existence of a perceivable structure.



Structure of mental paths at their starting and ending points.



A few meters from the start (1), the five inner zones of the psi-track have reached their ultimate width and travel parallel to each other.

Width: ca. 20 cm (inner) and ca. 8 cm (outer)

Photo: G. Engelsing

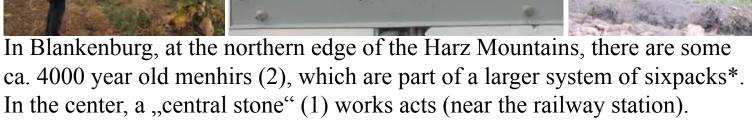


"Sixpacks" from prehistoric times

NINS Neolithic Information and Navigation System

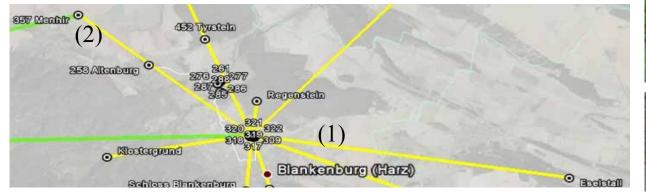


Die Langsteine aus Senon-Quarzit, aus einem Steinbruch bei Heimburg, wurden vor 5000-4000 Jahren -Jungsteinzeit - errichtet. Liegen auch die Gründe dafür noch im Dunkeln, kann von Grabanlagen oder Ahnengedenkslätten ausgegangen werden.



The inner structure of a sixpack is marked in the grass (3) or in the vicinity of

(1) on a road (4).



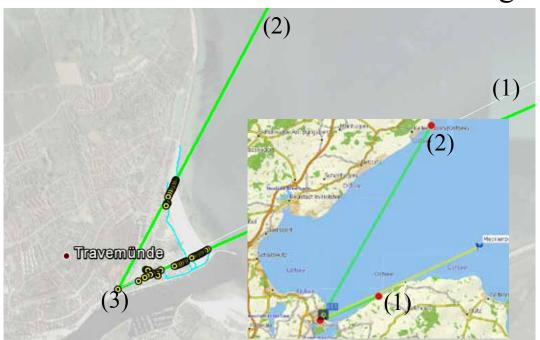
^{*} Walter Diesing, Der Himmel auf Erden, (2005) ISBN 3-00-014524-9

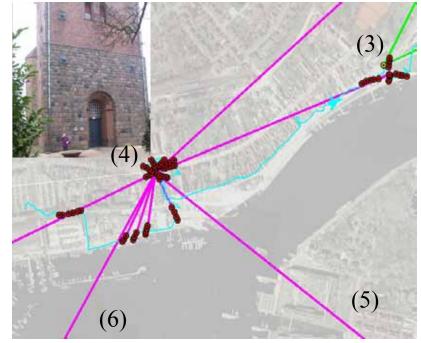
(1)

TU Clausthal

"Sixpacks" from prehistoric times

NINS Neolithic Information and Navigation System

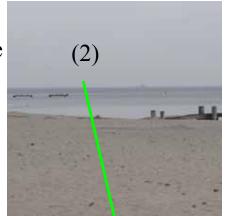


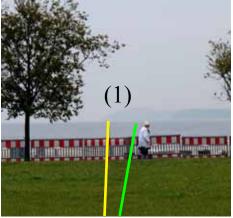


Navigation systems with mental structures are reported in the literature *.

At Travemuende (Baltic Sea) such a system can be found. There, two structures mark the aperture of the bay of Luebeck between the northern coast at Kellenhusen (2) and the southern coast (1).

Another system of sixpacks connects the sites Travemuende (4), Dassow (5) and Schlutup (6)





* T. Walli, Das Raetiastein GPS, Books on Demand, Norderstedt (2008) ISBN 978-3-8334-8963-1



New insights?





Summary

Consciousness

A collective unconscious does exist, as do information fields (access similar to the internet) Alternating magnetic fields and water play an important role for information storage and transfer. Experiments with magnetic fields confirm reactions in the human body Cooling water - magnetic field - EEG, rotating rod magnet, rotating charged ball

Experiments with mental paths:

Mental activity can establish structures, which can be found, identified and analysed by other persons. A sort of "invisible ink" seems to exist in form of invisible matter. One can access it consciously or unconsciously and take influence on it.

Experiments with mental paths

Psi-track sixpack information transfer along sixpacks

Mind and matter seem to be connected with each other.

Invisible matter could play an important role.

Therefore, knowledge of the physics of matter can be transferred into the field of mind research.

■ Knowledge and experience of radiesthesia is an important key to extend our perception of the world In consequence: this is a previously unexplored area that deserves further research.



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Literature: /biosensor/b-literatur htm

/biosensor/informationsfelder-evolution-002.pdf (30 MB, Buchentwurf) Overview:

/biosensor/radiaesthesie-wissenschaft.pdf

/biosensor/radiaesthesia-science-english-001.pdf

/biosensor/welcome.htm