



History and working principles of the Oberon 4021 system

By Klaus Valentiner

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The NLS Oberon 4021 system (originally based on US patent no. 6,549,805 B1; see part 2) analyses the functional statuses of organs and tissues to detect physiological disturbances and characterise medical conditions.

Part 1 describes the fundamental properties of the Oberon system.

Part 2 supplies the text of patent no. US 6.549.806

(translated from English)

Part 3 gives a detailed description of the working principles of the Oberon system.

(Part 3 is compiled from various sources.

There is no guarantee as to the accuracy of the contents as not all sources could be precisely determined.)

Part 1

History of development - Scientific principles

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General research in the field of informational medicine

- Tests with rabbits have shown that animals, like humans, have a fine system of tubular structures (approx. 0.5-1.5 micrometres in diameter) corresponding to the classic acupuncture meridians.
- In 1964 the Korean scientist Bon Han Kim succeeded in verifying the acupuncture meridians ('Kyungrak system') in the human body and also in proving that the endings of the acupuncture meridians could reach the cell nuclei of the muscle tissue.
- The hollow conductors serving towards intercellular communications in the extracellular matrix, as confirmed microscopically by the anatomist Professor H Heine, have wavelengths between 10 and 300 nanometres, corresponding to the ultraviolet radiation range. If, however, the propagation speed is 6 orders of magnitude lower than the speed of light the frequency will also be only a millionth and in the microwave range. There appears to be a biological window that we should direct our attention to here.
- In the 1980s Russian space researchers, led by Professor Zagriadski, clearly identified the meridians as a network of light highways ('Kyungrak system').

- The key function of the Kyungrak system is the maintenance of the informational - and consequently physiological - homeostasis of the living organism.

From this research an informational field that can be measured as noise can be proven to exist in every biological object. This field surrounding the human body is often called the 'aura' or the 'photon field'.

Development in the USSR

The following information is based on a verbal statement made by Vladimir Nesterov in 2004.

The initial developments which ultimately led to the development of the Oberon system only involved medicine to the extent that they involved experiments with humans. The Russian secret police, the KGB, provided the first findings pertaining to this development. In the 1980s the goal was to find out what the person sitting across from a person was thinking. The question was this: 'How can I boost my intuitive ability to determine what the person across from me is thinking?' There have always, in all countries and on all continents, been people (shamans, druids, augurs, prophets, clairvoyants, fortune-tellers and sages) who could predict the future. If these predictions did not for the most part turn out to be true, these sages did not remain sages for long. So, what did these people do to come up with the right statements? The same rituals were performed everywhere in the world almost without exception. They played rhythmic music, danced and especially killed animals to glean their prophecies from the innards. In America the Incas, Mayas and Aztecs even sacrificed humans for their divinations.

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Now they attempted to find out what happens during the process of dying and afterwards. – I must first point out that tests which would have been inconceivable in Germany for ethical reasons were possible in the USSR at that time. – They namely wrapped dying people up such that no liquids and no gases could escape during the process of passing away. In this way they were able to determine that a person weighed 8 to 15 grams less upon death than just before death. Numerous religions speak of a 'soul leaving the body after death'. At least it can be said that organs can still be used as transplants a short time after the death of a human being. The process of dying hence seems to have a beginning and an end. This is in agreement with the results of the previously mentioned tests. Of course continuously sending living creatures 'to their deaths' was not ethically justifiable in the Soviet Union either. Thus an attempt was made to replace this process and its effect on the test setup with technical measures. The first devices that could influence the brain in the same way as was observed with a dying being arose.

When the USSR collapsed these tests were discontinued. The results

were then taken up again by Professor Stanislav Nesterov, a member of the Russian Academy of Sciences. He developed the first trigger sensor in 1988ⁱ. The hygienist Vladimir Nesterov, a nephew of Stanislav Nesterov, collaborated with the doctor, Juri Butt, in developing the first predecessor of today's Oberon system.

Torsional radiationⁱⁱ allows the physiological status of living organisms to be recorded, analysed and influenced with the help of trigger sensors.

From this research an informational field that can be measured as noise can be proven to exist in every biological object. This field surrounding the human body is often called the 'aura' or the 'photon field'.

Until 2006 Metavital GmbH manufactured Oberon systems that generated the noise signal with electromagnetic waves and torsional vortices. They were needed to detect the physiological status as a trigger signal. Electromagnetic waves are also known as 'Hertzian waves', named after the discoverer of this type of radiation, Heinrich Hertz. What is involved here is frequency noise up to 4.9 GHz. This waveform is known as a transverse wave. It spreads out uniformly in all directions at the speed of light from a centre point.

With this type of radiation the electrical and the magnetic components are emitted at an angle of 0° to each other. This means that the radiation has both electrical and magnetic effects on the organism (electrosmog).

However, this method was deemed 'impermissible' in a first attempt at certification for medical use in Europe.

i Trigger = pulse that activates a switching operation (cybernetics)

ii Torsion = twisting (vortex phenomena meant here)

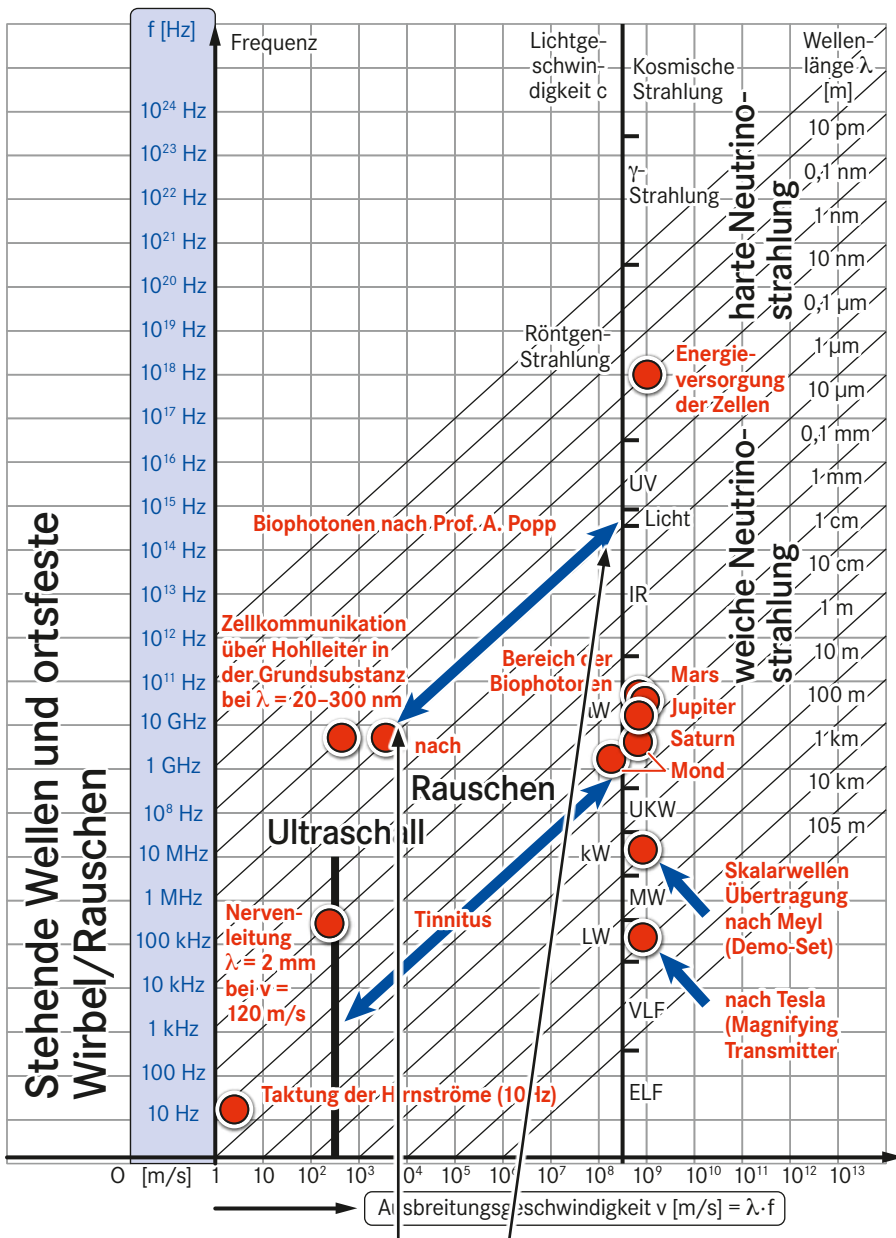
Improvements made to the technology in Germany since 2006

Medical devices in particular are subject to extremely stringent controls in relation to patient and operator compatibility. For this reason Metavital GmbH started using light quantum radiation, also known as photon waves, in its NLS systems in 2006. If the radiation propagates at the speed of light it cannot be distinguished from light waves. In this case one speaks of the speed of light, c , which is 300 000 km/s. If the light quantum radiation is slower than light then particle radiation, also known as photon radiation or photon waves, is involved (see diagram 1). These waves form the potential vortices. They were verified by Professor Dr A F Popp. Particle radiation is radiation in which one particle bumps into the next particle. It is vector radiation in the direction of a field vector. This radiation is directional radiation, as opposed to the previously mentioned transverse radiation which is isotropic radiation. Particle radiation is always by definition radiation of longitudinal or scalar waves. Thus the functioning of the Oberon system is based on a different physical principle than that of all other known NLS systems. Metavital GmbH converted the technology of their systems to the use of scalar waves. Through the vibrating field vector of the longitudinal waves the information transmission density could be increased by 3 to 4 orders of magnitude. Moreover the radiation is genetically harmless to humans.

This means that the Oberon systems with their diagnostic results are 1000 to 10 000 times more precise than all other NLS diagnostic systems.

From a physical standpoint the Oberon system can be considered to be a system of photon oscillatorsⁱ. These oscillators resonate with their wave pattern structure with the body's photon field such that measurable resonance amplification results. The wave structures are

i Oscillator = wave generator



coupled such that the body's field and the field generated by the Oberon each act as both transmitter and receiver. The energy applied to the oscillators is sufficient for destruction of the body's wave pattern structure. This means that the more energy has to be applied the higher the degree of disintegration (ii) is in the body, organ or cell. Consequently the stronger the noise signal the greater the degree of disintegration, or the stronger the noise signal the higher the entropyⁱ.

With the 'Oberon NLS method' we are working in a wavelength region with different propagation speeds, frequencies and wave patterns. This allows for a significant increase in information transmission, lying one dimension higher than all of today's known technical transmission solutions. After all our brains and nerve pathways do not need any cooling, unlike, for example, today's PCs. PCs have one-dimensional data transmission and hence require such a high clock rate that they would melt if they weren't cooled. Put differently, PCs all work at a fixed propagation speed of 300 000 km/s (i.e. c , or the speed of light). Thus information can only be received on PCs at the clock frequency (1 and 0, or yes and no). With living organisms, in contrast, the information is received not only with changing frequencies, but also with changing propagation speeds (wave patterns). In combination this yields virtually endless possibilities.

There is a very easy method for verifying the radiation of living cells and entire organisms. One just needs to have a radio receiver (AM) set to a weak and noisy station and to move around in the room to be able to study the factors influencing the reception directly.

High frequency technology teaches us that radio waves can only be received if the signal strength is greater than the noise level in the surroundings. Conversely, humans are capable of contributing to the general noise with their auras until the radio signal of a weak station

i Entropy (degree of irreversibility of a process (to cell death))

disappears completely. Anyone who likes to listen to amplitude-modulated (e.g. medium wave) stations in the car may have already noticed this typical effect when driving down a poplar-lined road. Certain trees have such a strong aura, or we should rather speak of their noise fields, that reception is lost whenever someone drives past them. The trees hence can be counted even if they are not seen. This simple test suggests that living creatures and even plants emit a mix of frequencies in the form of a noise signal.

Measurement method and principle of data acquisition in the Oberon 4021 with IR diode / IR transistor

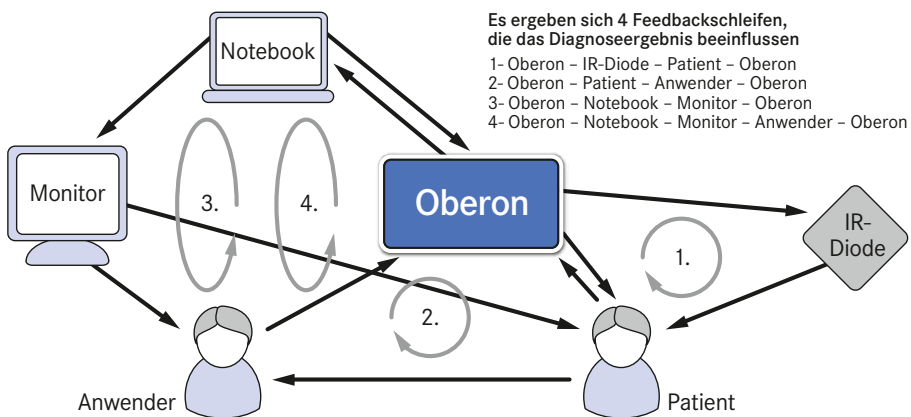
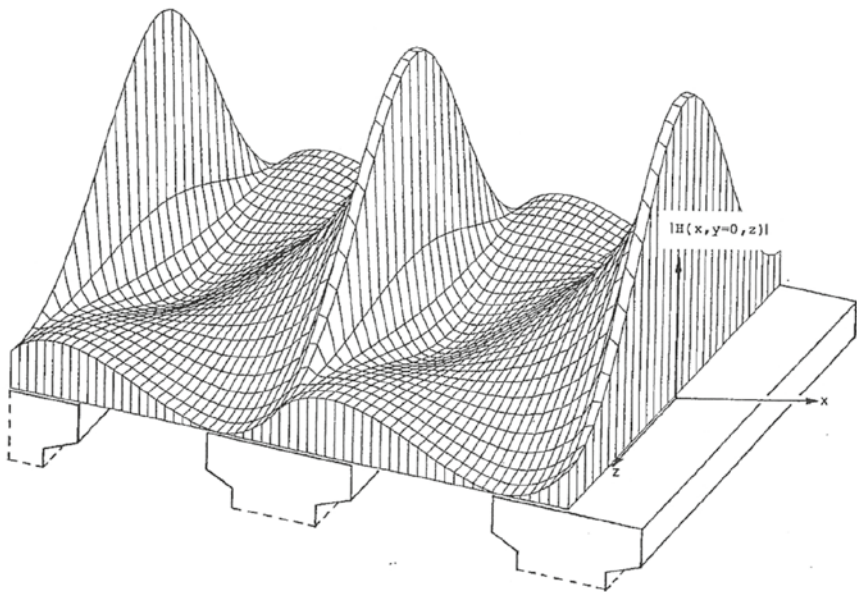


Figure 2
Main block circuit diagram of system with spheres of influence (feedback loops)

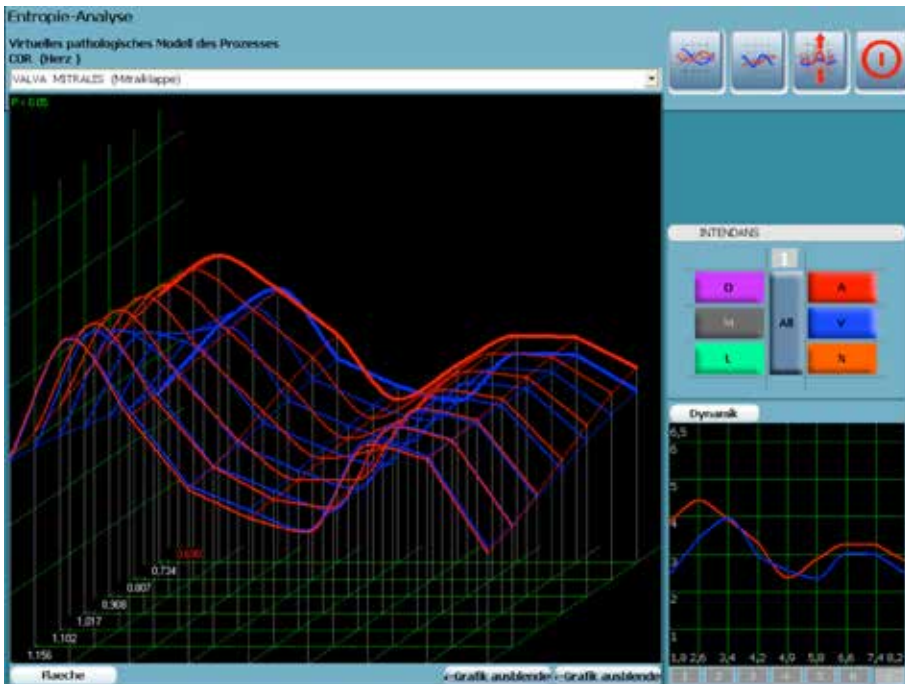
Patient	Notebook	TS AlGaAs IR (Carrier substrate aluminium-gallium arsenite technology) diode
Operator	with	Monitor
Oberon	software	

Via the Oberon headphones and the image sequence on the monitor the software controls a series of stimuli, also known as ‘information codes’, which results in an increase in the intuitive interaction between the operator and the patient in such a way that the noise

fields (auras) of the two vibrate in resonance and a measurable signal arises. One of the stimuli used is the monitor frequency which corresponds to the theta rhythm of brain waves. Additional stimuli are provided through visually detectable trigger pulses (perceivable through flickering and rapid colour changes). The TS AlGaAs (**T**ransparent **S**ubstrate **A**luminium **G**allium **A**rsenide technology) infrared diode is designed to affect the patient directly with its noise signal to facilitate the work of the Oberon device in conjunction with the software. The IR diode is composed of a semiconductor transistor crystal acting as an optoelectronic radio element. It emits continuous IR light quantum radiation at a wavelength of 875 nm to support the patient's reaction. The resonating noise fields are perceived by the BPW 40 (**B**ase **P**otential **W**ide angle 40°) phototransistor, as a signal receiver for photons, in the form of a wave spectrum and compared with the wave spectra in the database.



Wave spectrum
Figure 3



Wave spectrum (Oberon software)

Figure 4

Measurement process

Transmission side:

Measuring process with the TS AlGaAs (**T**ransparent **S**ubstrate **Al**uminium **G**allium **A**rsenide technology) IR diode as an 875-nm transmitter diode. Therefore absolutely safe. At most, it may generate a little heat. (Visible light lies between approx. 400 and 700 nm.)

Receiver side:

Measuring process with the BPW 40 (**B**ase **P**otential **W**ide Angle 40°) phototransistor as a signal receiver with a maximum signal range of 750 to 940 nm.

Signal sequence:

Transmission:

We transmit a constant signal from the right headphone with 875 nm and a signal strength of max. 75 mW/sr. The output specification is limited by the diode. The diode would burn out at a higher output value. So max. 75mW/sr. This output is so low that the patient does not even feel heat when (s)he puts on the headphones. This makes it clear how safe this process is. The signal can be measured directly using an IR light measuring device. Indirect measurement using the resistance by means of the enclosed adapter leads to the same result. The IR light is transformed into a resistance value through the adapter by means of a BPW 40 installed in the adapter. When the Oberon 4021 is switched off this value is an infinitely high resistor. When the Oberon 4021 is switched on the value lies between 10 M Ω and 10 k Ω . This is slightly dependent on how the adapter is brought before the emission source.

Reception:

We receive a photon signal from the body in the form of a noise signal on a DC voltage level; this contains the useful signal's information. The signal lies between 10 and 15 V. The signal can be measured using a multimeter. The measured value is 0 volts when the Oberon 4021 is switched off. The measured value is approximately 0.6 volts when the Oberon 4021 is on. When the Oberon 4021 is switched on and the headphones are worn the value is from 10 to 15 V. This is irrespective of whether the Nilas MV program is running or not. The signals constantly flow out of the body.

Through an aluminium gallium arsenide diode Oberon generates a wave structure from 0 to 343 THz. This wave pattern or noise signal leads to the described signal orientation with the signal hidden in the noise signal. This information is filtered out of the noise from

the received signals through correlationⁱ and cross-correlationⁱⁱ and is compared with the vortex patterns in the database.

The database contains a large number of computer models in various versions and spectral patterns such as those of clinical manifestations triggered by bacteria, helminths and viruses, or a mental correlative (psychotherapy module), as well as triggered by medications, dental materials (dental module) etc. These data are saved as vortex patterns in the database. The applicable vibrational data provide information about the extent and the development (entropy) of a pathological change. The numerous links took decades to organise and are continuously being refined and supplemented. The latest development is the Oberon 4021 with Nilas MV PathFinder software.

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- i A **correlation** describes a relationship between two or more characteristics, events or states. A kausale Beziehung between the characteristics, events or states does not need to exist, however.
- ii In the Signalanalyse the **cross-correlation function** $R_{xy}(\tau)$ is used to describe the Korrelation between two signals $x(t)$ and $y(t)$ for different time shifts τ between the two signals. The following equation applies:

$$R_{xy}(\tau) = \lim_{T_F \rightarrow \infty} \frac{1}{T_F} \int_{-T_F/2}^{T_F/2} x(t) \cdot y(t+\tau) dt$$

Properties:

$$R_{xy}(\tau) = R_{yx}(-\tau) \quad \forall \tau$$

and

$$|R_{xy}| \leq \sqrt{R_{xx}(0) R_{yy}(0)} \leq \frac{1}{2} (R_{xx}(0) + R_{yy}(0))$$

as well as

$$\lim_{T_F \rightarrow \pm\infty} R_{xy}(\tau) = 0$$

with the Autokorrelationsfunktionen $R_{xx}(\tau)$ and $R_{yy}(\tau)$ and the considered time frame T_F .

The function is neither even nor odd. It shows, e.g., peaks in time shifts corresponding to the signal propagation time from the measurement location for signal $x(t)$ to the measurement location for signal $y(t)$. Laufzeitunterschiede from one signal source to the two measurement locations can also be determined in this manner. The cross-correlation function is hence particularly suited to determination of transmission paths and location of sources.

The cross-correlation function is usually calculated via the inverse Fouriertransformation of the Kreuzleistungsspektrums $S_{XY}(f)$:

$$R_{xy}(\tau) = \int_{-\infty}^{\infty} S_{XY}(f) \cdot e^{i2\pi f\tau} df$$



Figure 5

Part 2

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caditor 50 assists the patient 30 in generating his influence as a useful disturbance signal for the sensing element 41 of the triggering sensor 40 thereby completing a second biofeedback loop between the CPT unit 10, the patient 30, and the triggering sensor 41.

EXAMPLE OF OPERATION

TABLE 1

Sequence	Peripheral Device		
	Magnetic Induction Coils	Video Monitor Stimuli	Stereo Headsets
	Electromagnetic Impulses Frequency of Coil Interruptions	Color Visual	Sound Audio (music notes)
1	1.66	Dark Maroon	DO
2	2.49	Red	RE
3	3.32	Orange	MI
4	4.15	Yellow	FA
5	4.56	Green	FA-Diis
6	4.98	Light Blue	SOL
7	5.81	Blue	LA
8	6.64	Violet	SI
9	7.47	Dark Violet	DO

Table 1 presents one example of various stimuli to be generated by the CPT unit 10 of the diagnostic system of the present invention. The moments in time when each stimuli sequence begins are all coordinated with each other and with the initiation of the triggering sensor and caditor so that the operator and the patient receive the stimuli and both loops of biofeedback are formed.

As a result, the CPT unit accumulates a response of the patient and the operator so that a database is formed of such responses for each series of individual stimulus. In case of electromagnetic impulses, only left part of the patient's brain is subjected thereto and only to the North portion of the magnetic impulse.

The studies conducted by the inventors have shown that the effect from the patient on the triggering sensor is more reproducible when the frequency of interruptions of electromagnetic impulses is close to that of the theta rhythm of the patient's brainwaves. That frequency tends to fluctuate towards increasing or decreasing depending on the state of health of the patient. In fact, a relationship is determined between the deviation in that frequency and the specific pathological conditions of certain body systems, selected organs, and even separate cells and chromosome fragments. Such relationship allows for specific diagnosis of a variety of pathological conditions. Examples include diagnosis of protrusions of spinal disks, remote metastases of various cancerous tumors, broken bones and trauma in general, blood vessel thrombosis, acute and chronic hepatitis, cirrhosis of liver, and a large variety of other pathological conditions. It is important to highlight that such diagnosis is possible to conduct using the subconscious level of brain function and therefore is independent of the patient's influence.

Another possibility of using the apparatus is to collect the digital signature of an organ as obtained by the triggering sensor with the library of available signatures collected previously from normal volunteers. Such comparison allows determining the degree of pathology and the state of disease development of the organ.

Further characterization of the disease state is possible using the following classification method developed by the inventors:

Class 0—ideal correlation of the digital signature of the organ under evaluation with the normal signature on file. Example—human egg cell at the beginning of the division process;

Class 1—the tissue of a healthy embryo before birth (without any body functions or toxins present);

Class 2—the tissue of a healthy newborn at the beginning of its life outside the mother, tissue functioning at the beginning stages;

Class 3—actively functioning tissue without toxins present;

Class 4—tissue with impaired function, toxin accumulation is just beginning;

Class 5—tissue with organic changes in which the toxins are accumulated within the cells of the tissue and actively restrict its function; and

Class 6—extreme and irreversible state of organic damage and overall tissue disbalance.

Although the invention herein has been described with respect to a particular embodiment, it is understood that this embodiment is merely illustrative of the principles and applications of the present invention. It is therefore to be understood that numerous modifications may be made to the illustrative embodiment and that other arrangements may be devised without departing from the spirit and scope of the present invention as defined by the appended claims.

We claim:

1. A biofeedback diagnostic system comprising a central processing and telemetry unit and a non-invasive triggering sensor equipped with a noise generator, said central processing unit including a situation-generating block for producing a predetermined series of stimuli, said central processing unit also including a dual peripheral means for transmitting said stimuli in parallel to both an operator and a patient and therefore forming two biofeedback loops, consisting of both:

a) a first biofeedback loop including said central processing and telemetry unit sending said stimuli to said patient, said triggering sensor for remotely detecting said patient's brainwaves representing said patient's response to said stimuli, said triggering sensor further generating a signal in response to said brainwaves and sending it back to said central processing unit; and

b) a second biofeedback loop including said central processing unit sending said stimuli to said operator, said operator affecting said patient to alter said patient's brainwaves, said triggering sensor reflecting said alteration in said signal back to said central processing and telemetry unit.

2. The biofeedback diagnostic system as in claim 1, wherein said stimuli is selected from a group consisting of magnetic, electromagnetic, audio, and visual stimuli.

3. The biofeedback diagnostic system as in claim 1, wherein said triggering sensor further including a detector channel equipped with a logoperiodic antenna to enhance detection of said patient's brainwaves.

4. The biofeedback diagnostic system as in claim 3, wherein said logoperiodic antenna is a multi-turn tapered spiral antenna for short wave reception at about 1.45 Ghz.

5. The biofeedback diagnostic system as in claim 1 further comprising an intuition enhancement means for assisting the patient in generating a response to said stimuli.

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6. The biofeedback diagnostic system as in claim 5, wherein said intuition enhancement means including an optoelectronic radioelement and a light source directed thereon, said radioelement adapted for placement on a forehead of said patient.

7. The biofeedback diagnostic system as in claim 6, wherein said radioelement is a silicon-based field-effect transistor with a control area being a thin flat channel, said light source being a laser having the power of less than 5 MW, said laser controlled to illuminate said control area of said radioelement with pulses of light with the wavelength of between about 630 and 680 nanometers.

8. The biofeedback diagnostic system as in claim 7, wherein said pulses of light having a frequency coinciding with the patient's brainwaves theta-rhythm.

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9. The biofeedback diagnostic system as in claim 8, wherein said intuition enhancement means further including a cavity resonator to block the electromagnetic component of said pulses of light while permitting the torsion components thereof to reach the patient.

10. The biofeedback diagnostic system as in claim 9, wherein said cavity resonator having a volumetric chamber with the size being a multiple of the wavelength of about 1.45 GHz.

11. The biofeedback system as in claim 1, wherein said central processing and telemetry unit further comprising a designation block for assigning specific relative weights to said signals from said triggering sensor.

* * * * *

Part 3

Colour synthesis device / light synthesis device

(systems from 2006 and later)

The computer programs developed for the Oberon system enable the following through the use of the respective equipment:

- a contribution to data acquisition via special peripheral modulation devices (noise and colour synthesis devices integrated into the headphones as well as the image refresh rate of the monitor).
- reading of the given biophotonic activity of the neurons in the brain via random number generators (main unit of Oberon) and the computer programs (Nilas MV Indagator, Mediator and PathFinder) as well as the systems for control of sensitivity using the trigger sensors. Based on this it is possible to enhance weak signals facultatively in the medical diagnosis on the background of statistical fluctuations. The information contained therein is detected and decoded in a particular manner. With the use of the rules of quantum chromokinetics to represent the entropy of any system in the form of a colour in the spectrum the colours would change from light yellow for minimum entropy values to orange, red, purple and nearly black for maximum entropy values. Theoretically more precise calculations performed with the help of the computer enable a series of stationary states corresponding to a particular entropy potential and facultatively directly related to the spectrum of photonic radiation to be determined. The Oberon system pinpoints the location of origin of this radiation using a particular procedure. capture of the response to these stimuli for display on the monitor and creation of a virtual model of the organ made up of specific colour points using the programs Nilas MV Indagator, Mediator and PathFinder.

A network of diffraction gratings on the body's surface as well as in the organs, tissue and cell forms the information framework. Each

point in the diffraction grating network has its own characteristics, frequencies and porosity.

- Porosity = pulse-to-pause ratio (duty cycle) In this connection this refers to the time of appearance of a particular colour until it disappears from the background colour.

Like the position of each point on the earth can be determined according to its longitude and latitude (two-dimensional), the positional characteristics of each point in the diffraction grating (three-dimensional) can be determined by the OBERON system according to its frequency characteristics and porosity in relation to another point in a mathematical correlation.

The bigger the grating network cells the smaller the correlation plane and vice versa.

The computer monitor, the IR diode and the receiving transistor play the role of light synthesis device. As a universal matrix the IR diode emits not just the primary wave, but also secondary waves as harmonics. With complete resonant coupling the transmitter and the receiver each both transmit and receive. The entire colour spectrum of the seven bands is captured again in imitated form by the IR transistor. The seven bands correspond to 13 different colour spectra as light noise in the range from 760 nm to 380 nm.

The tissue frequencies were determined from results obtained from investigations on homogenates = biologically active tissue pulp produced through the mechanical process of fine comminution (homogenisation) of fresh tissue. It contains the structural elements of the destroyed cells of healthy organs; using the biolocation technologies of the Oberon system and the Nilas MV software, a biocybernetic model of the human body was developed. In the model all systems, organs and tissues are matched with specific tones / noises / frequencies and the corresponding colour frequency spectra in 13

groups or system filters in consideration of the corresponding resonance values.

System filters

The standard frequency values of the colours and tones as a function of age and sex of the subject are used for marking of the suggested system filters:

First filter (760 nm) is black-red and set to the note DOH (e.g. 2nd octave for the age group 25-40 years). Problems with the skin and the corresponding derivatives such as hair, nails, mammary glands and tissue cells are found.

Second filter (686 nm) corresponds to the colour red and the note DOH# of the same octave and points to problems with the bones, joints, ligaments, discs and vertebrae.

Third filter (656 nm) has the colour orange-red, corresponds to the note RE and is suggestive of the blood vessels (arteries and veins), the heart and striated and smooth muscles.

Fourth filter (589 nm) is orange and has the note RE#; it corresponds to bodily organs such as blood as well as the red spleen pulp and the red bone marrow as organs for blood formation.

Fifth filter (585 nm) has a 'golden' colour and the note MI and covers the large intestine with its segments (appendix, ascending colon, transverse colon, descending colon and sigmoid colon) and the stomach - its characteristics - including the numerous muscle layers.

Sixth filter (580 nm) is yellow and is assigned the note FA; it comprises the small intestine with duodenum, jejunum and ileum, the pancreas with its exocrine portion, the salivary glands and the oesophagus.

Seventh filter (565 nm) encompasses the sexual organs: the vagina and ovaries in women and the prostate, testicles and seminal vesicles in men. It is yellow-green and has the note FA#.

Eighth filter (527 nm) is green and involves the liver and gallbladder; it has the note SOL.

Ninth filter (517 nm) has the colour blue-green and the note SOL# and involves the kidneys, urinary bladder and ureters.

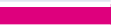
Tenth filter encompasses the organs of the immune system (including thymus, spleen – the white pulp here – and lymph nodes), the sinuses and the bronchia. It corresponds to the colour blue (486 nm) and the note LA.

Eleventh filter involves the function of neuroendocrine regulation – the thyroid, the adrenal glands, the gonads, the pituitary gland, the hypothalamus and the pineal gland. It has the colour of the solar spectrum (430 nm) and the note LA#.

Twelfth filter (397 nm) is violet, has the note TI and relates to the vegetative (sympathetic and parasympathetic) and peripheral nervous system, the sensory nerves and the physiological sensory organs (eyes and ears including labyrinth).

Thirteenth filter (380 nm) is coloured dark violet, corresponds to the note DOH of the following octave and is related to problems of the brain and psyche.

The colours and their wavelengths are divided into 7 levels.

1	2	3	4	5	6	7
Red	Orange	Yellow	Green	Light blue	Blue	Violet
						
0.76-0.61	0.587	0.575-0.55	0.505	0.485	0.455	0.4

The resultant frequency (X) is calculated as follows:

$X = 5 \times 6 / (0.485 \times 0.455)$ where 5 and 0.485 correspond to light blue and 6 and 0.455 to blue

$X = 5.68 \text{ Hz}$, i.e. the light blue – blue spectrum is needed.

Besides having different colour codes, the system filters in the programs Nilas MV Indagator, Mediator and PathFinder are each coded with a separate interruption frequency and porosity (*pulse-to-pause ratio, in this connection meaning the time of appearance of particular colours until disappearance from the background colour*). The input signal has a grey background and the output signal has a black background.

Interruption frequency and porosity

(pulse-to-pause ratio, the time of appearance of specific colours until disappearance from the background colour) The input signal has a grey background and the output signal has a black background.

1	2	3	4	5	6	7	8	9	10	11	12	13	System filters
88	77	66	57	48	41	34	27	22	17	12	9	6	Porosity

A porosity of 88 means: long pulse, short pause, small amount of information, stable anatomical structures such as bones and large diffraction grating cells. This is the marker for the energy-information spectrum on the working scale.

A porosity of 6 means: short pulse, long pause, large amount of information, slightly injured anatomical structures such as brain and small diffraction grating cells. This is the marker for the information-energy spectrum on the working scale.

Magnetic inductor (for older Oberon models to 2006)

The magnetic inductor is formed with the N-S force lines of the permanent magnet and with the loudspeaker voice coil with the conical diffusers of the headphones.

The right coil is poled oppositely (out of phase) and has the task of the bandpass filters, modulating the frequencies (white noise) required with the cadistor (noise generator). The left inductor captures the resonance-amplified input and output information signals.

Correlation of signals

Through a particular correlation of the resulting colour, light, image and noise signals an energetically informative effect is modulated in the frequency range 3.5–7 Hz. This corresponds to the theta rhythm of the brain of the subject. A digital code is modulated through the mathematical correlation in the Nilas MV Indagator, Mediator and PathFinder software. It is determined with the help of the information in the imitated resonance signals from the above-mentioned sources. The individual carrier frequency is found to lie in the range 50 to 440 Hz.

The individual carrier frequency (X) is calculated according to the following formula:

$$X = 440 - (4.9 \times \text{age}).$$

The system filter bands are obtained from the interruption frequency multiplied by 0.77 Hz.

1	2	3	4	5	6	7	8	9	10	11	12	13	System filter
88	77	66	57	48	41	34	27	22	17	12	9	6	Porosity
0.77	1.54	2.31	3.08	3.85	4.62	5.39	6.16	6.93	7.7	8.47	9.24	10	Interruption frequency

For men the frequency 349.2 Hz (note fa) is used; for women a somewhat higher tone of 370 Hz (note fa#) is used.

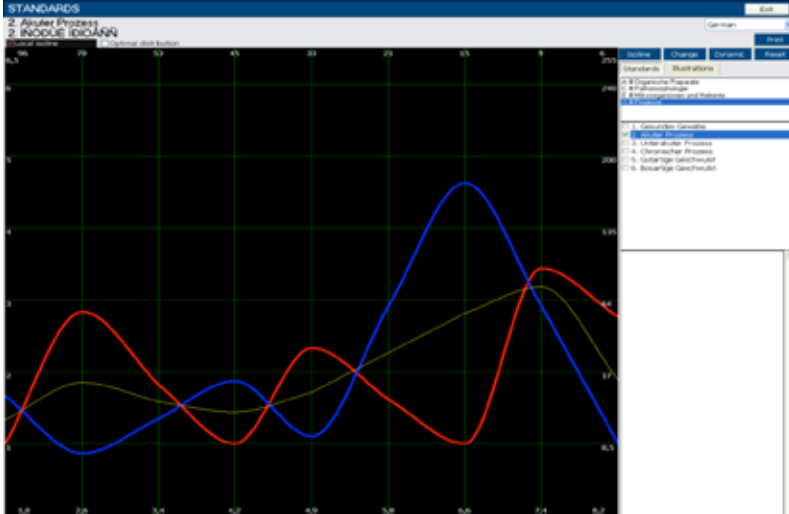
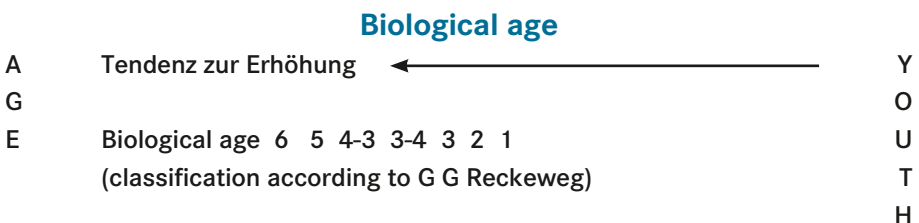


Figure 6

The Oberon system automatically creates the activated configuration and the Nilas MV Indagator, Mediator and PathFinder programs modulate the corresponding virtual models of clinical manifestations, homeopathic remedies etc. for the given conditions.

The younger the patient the higher his or her noise signal.



Eigene Gewebefrequenzen liegen in folgenden standardmäßigen Frequenzspektren

Als ein Flüssigkeitskristall kann der Körper unter elektrischer Spannung in verschiedenen Frequenzen schwingen, die sich zum Teil im Spektralbereich des sichtbaren Lichts bewegen.

Im Bereich um:

- 1.8 Hz**  Knochengewebe, Zahndentin.
- 2.6 Hz**  straffes Bindegewebe, Gelenke, Herzklappen, Hyalinknorpel, Haut, Bandscheiben, Erythrozyten.
- 2.6–3.4 Hz**  elastisches Bindegewebe, quergestreiftes Muskelgewebe, Herzmuskel.
- 3.4 Hz**  glattes Muskelgewebe.

4.2–6.6 Epithelgewebe

- 4.2 Hz**  Einschichtiges Plattenepithel des Verdauungstrakts.
- 4.9 Hz**  Mehrschichtiges Pflaster- und prismatisches Epithel.
Leberparenchymgewebe und der Gewebe abführenden Gallenwege sowie der Bauchspeicheldrüse.
- 4.9–5.8 Hz**  Epithel des Nierengewebes der Harnblase und reproduktiver Organe, weiße Blutkörperchen.
- 5.8 Hz**  Lymphatischer Rachenring, oberer Teil der Atemwege, lymphatisches System, Milz, Eierstöcke, Prostata, Milchdrüsen, Gebärmutter.
- 6.6 Hz**  Peripheres Nervensystem, Bronchialepithel, Trachea, Bronchien, Nebennieren, Schilddrüse, kleine und große Nervenbahnen.
- 7.4 Hz**  Zentrale Teile der Sensoranalysatoren, Hypothalamus, Hirnstamm, Hirnlappen, graue Hirnsubstanz, Strukturen der Gehirnrinde, Brücke, Kleinhirn, Rückenmark, Epiphyse.
- 8.2 Hz**  Netzhaut, Sehnerv, weiße Hirnsubstanz.

Figure 7: Internal tissue frequencies

The frequency patterns are yielded from the patient's age according to a given algorithm in consideration of the theory of homotoxicology (Reckeweg, H H: Homotoxikologie, Ganzheitsschau einer Synthese der Medizin, Aurelia Verlag, Baden-Baden 1976) and the modern ideas about biological age in accordance with the structure of the connective tissue as a buffer system for binding of the toxins and the acoustic and optical laws of tone and colour synthesis.

Die „Homo-Toxin-Lehre“ nach Dr. med.

Phasenverschiebung in jeder Richtung möglich (fließende Übergänge!)

Gesundheit Natur Heilbestreben		Tendenz zur Selbstheilung, da die körpereigenen Abwehrkräfte die Oberhand über die Toxine behalten haben und keine Zellschäden gesetzt worden sind. Abwehrsystem intakt	
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Tendenz zur Ausscheidung der Gifte

1 Ausscheidungsphase	2 Reaktionsphase	3 Ablagerungsphase	 Der biologische Schnitt
Ausscheidung der Toxine (Gifte) in ungiftiger Form über die normalen Ausscheidungswege z.B.: durch - Stuhlgang - Urin - Schweiß - Schleimhautabsonderung - Regelblutung - Tränen	Als Giftabwehrkampf, um eine Säuberung im Bindegewebe herbeizuführen. Toxine verbrennen im Feuer der Entzündung. Es kommt dabei zur chemischen Umsetzung der Gifte in ungiftige und ausscheidungsfähige Stoffe. Diese Phase geht mit unangenehmen Erscheinungen einher wie z.B. Fieber, Schmerzen, Unwohlseinm allerlei Hauterscheinungen - alle akuten Entzündungen - Kinderkrankheiten - Brech-Durchfall	Ablagerung der Toxine als unschädlich gemachte Stoffe zunächst in der sogenannten Mülldeponie des Körpers, also im Bindegewebe Beispiele: - Übergewicht - Steinleiden - Verstopfung - Zellulitis - Krampfadern/Hämorrhoiden - Zysten - Ödeme - Gicht/Fettleber - Ziviell Cholesterin - Myome, Lipome - Polypen, Kropf	

Figure 8: ‘Homotoxicological teachings’ of Reckeweg

Reckeweg – in vereinfachter Form

	Eindringen von Giften in die Zellen mit fortschreiten- der Schädigung der Zellstrukturen, der körpereigenen Abwehrsysteme und Erbanlagen. Fortschreitende Zellstoffwechselstörung		Chronische Krankheit Siechtum
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Fortschreitende innere Selbstvergiftung

	4 Rückvergiftungsphase	5 Degenerationsphase	6 Krebsphase
	Rückvergiftungs- oder Imprägnations – Eindrin- gungsphase der Toxine in die Zelle, mit Schädigung der Zellstrukturen - bleibt oft unbemerkt, also stumm d.h. ohne krankhaften Blutbefund z.B. unauffällige: - Leber- Nieren- usw. Organschädigungen - chronisch entzündli- chen Schleimhaite- krankungen - chronische Müdigkeit - nervliche Erschöpfung - Viruskrankheiten - Allergien - Asthma, Migräne - Magengeschwür etc. - Kreislaufstörungen	Degeneration durch wiederholte Rückvergif- tungen über lange Zeit, oft schleichend oder durch starke Toxine entstehend z.B. Contergan - sogenannte Altenkrank- heiten, Verschleißkrank- heiten, Verschleißkrank- heiten der Gelenke/ Wirbelsäule, - Osteoporose, Rheuma - Gefäßverkalkungen - Herzinfarkt, Schlaganfall - Zuckerkrankheit - Leberzirrhose - Schrumpfnieren - Multiple Sklerose - Bechterew - Tuberkulose - Auszehrung und Abmagerung	Durch jahre- bis jahrzehn- telange häufige Rückver- giftungen, oft sind zusätzlich auslösende spezifische Krebsgifte wie z.B. Formaldehyd, Radioaktivität usw. im Spiel - Leukämie und andere Krebsarten mit „bösar- tigem Wachstum“

In the development of the database the data on the conductivity of the tissue obtained from the patients (more than 16 000) examined on an outpatient basis using BFD (= biofunctional diagnostics, a segmentation method) and the polygonal frequency impedance method were analysed.

Number of toxins

Tendency to decrease 

Octaves	1	2	3	4	5	6	7
Counter-octaves				1.	2.	3.	4.

high low
Age groups 100 to 85 to 75-55-65 to 54 to 27 to 12

Frequency resonance filter

Tendency to increase the pitch / noise level / frequency level 

1	2	3	4	5	6	7	8	9	10	11	12	13
DO	DO#	RE	RE#	MI	FA	FA#	SOL	SOL#	LA	LA#	SI	DO

Timbre

1 2 3 4 5 6 7 8 9

The frequency of monitor refreshing is defined in an interval of 0.5 to 3.5 Hz within the frequency range of the delta rhythm of the human brain (pulsation that can be detected by the eyes) and the colour synthesis is implemented via a standard graphics colour chart.

The summation of the colour codes 0 and 255 for the colours blue, green and red yields 8-5-4 and 3-5-6 respectively. Analysis of the results of colour synthesis shows an interesting law: the sum of the 0 code dominated in the blue colour and was called the **information component**. The sum of the 255 code in the colour red was labelled the **energy component** (see figure 5). In accordance with the 0-255

codes all colours were organised systematically into seven groups:

- The first group with the 13th filter was designated as **strongly informative** and has a dark violet colour.
- The second group with the 1st filter was designated as **informative** and is dark red.
- The third group corresponded simultaneously to the 9th and the 7th filter and was termed the **informative-energetic filter**, corresponding to the urinary tract and sexual organs.
- The fourth group is the 5th filter and symbolises the **golden mean** in the colour spectrum through its colour. This filter was termed **colour-balanced**.
- The fifth group comprised the 4th and 3rd filters. It corresponded to the designation **energetic-informative** and fulfilled the functions of the blood vessels, the muscles, the connective tissue and the blood, the main transmitter of energy and information in the human body.
- The sixth group encompassed three filters - 11th, 8th and 2nd - and was designated the **energetic main group**.
- The seventh group covered the remaining filters: 12th, 10th and 6th. They were called **strongly energetic** because they correspond to the receptor zones, the immune system and the main digestive organs.

The data obtained were used in the design of the medical colour synthesis devices as well as in the implementation of a selective colour therapy. A specific regime selection is used in consideration of the target organ and the character of the pathological state. With the colour and tone potentiation device the frequency spectronosodes were produced with the help of active and natural transfer reprinters. The energetic-informative psychosomatic correction was carried

out with the individual selection of phytopreparations and dietary supplements, among other things.

Result of colour synthesis: blue-green-red

380nm dark violet		68		0		68	informative ++
397nm violet		255		0		255	energetic ++
430nm blue		255		0		0	energetic +
486nm light blue		255		255		0	energetic +
517nm light blue - green		128		255		0	informative-energetic
527nm green		0		255		0	
565nm yellow-green		0		255		128	
580nm yellow		0		255		255	energetic ++
585nm golden		0		194		255	balanced
589nm orange		0		128		255	energetic
656nm orange-red		0		68		255	informative
686 red		0		0		255	energetic +
760nm dark red		0		0		68	informative +

The database contains a large number of etalons (vibration patterns, comparison patterns) e.g. for various manifestations of groups of symptoms, bacteria, helminths, viruses etc.

The spectrum is extended through extended differentiation of the bioresonance of various organs within the nine groups (organ system groups) formed earlier. The respective group contains a spectral analyser which mathematically decodes the reaction of the biosystem and the organs of the concretely investigated patients as a response to various dosages of physiologically stimulating events (colour, sound, electromagnetic exposure and other effects).

It all takes place under the condition of development of biologically stable feedback and synchronisation of the initial load with the biorhythms of the patient's brain.

The spectral analyser has specific selective frequency filters that work with 15 carrier frequencies in accordance with the crystal lattice of the organic metallic iron compounds (e.g. ferritin) as universal carriers between the information field of the earth and the electrical field of the human body.

1st, 2nd, 3rd and 4th system filters of the supporting movement apparatus

5th, 6th, 7th, 8th, 9th, 10th, 11th and 12th system filters – use and excretory filters

13th, 14th and 15th system filters – neuroendocrine regulation filters or bandpass filters (biocybernetic)

Low-pass filters: the macroworld skin – 1, 2, 3, 4 – of the blood vessels

Medium-pass filters: 4, 5, 6, 7, 8, 9, 10, 11, 12 – of the lymph vessels

High-pass filters: 12, 13, 14 15 – microworld – the cells of the ferritin information field of the brain

In numerous experiments it could be determined that the different homeopathic remedies and their derivatives deliver different resonance reactions to the current vibrations in the measuring circuits of various frequencies. The fundamental resonance frequency of the homeopathic preparation Aurum metallicum (metallic gold) with the potency D6 was 6.0 Hz, of the preparation Belladonna D6 was 9.2 Hz and the preparation Arnika D6 8.3 Hz. The data obtained were not used clinically due to the instability of the characteristic parameters obtained as a result of electrolysis of the investigated solutions.

The German physician Reinhold Voll and his students F Kramer and C Pflaum (1968) discovered differences in the electrical conductivity of human tissue under pathological conditions with the DC measur-

ing devices connected in series. This was done with the help of the same electrodes (e.g. hand electrodes) starting with a DC circuit in which the positive electrode was in the right hand and the negative electrode in the left hand and then in the reverse direction with changed electrode polarities.

The semi-conducting properties of the tissue were explained by the scientists through the effect of various toxins in the liquid crystal structures of the body analogous to the chemical additives of the semiconductor diodes specifically introduced into the silicon or germanium crystals.

The Russian scientists used these results as a basis in their investigations on the effect of the homeopathic preparations (e.g. nosodes and organ preparations) in the ampoules the N-S polarity and made two measurements.

They used the commercially available Gradient low-frequency pulse generator developed for magnetic therapy to transmit the magnetic field. The researchers later used the first-generation Oberon system with the Metapathia software and the bio-controlled telemetric trigger analyser.

At the beginning they only used homogenates and ampoule nosodes, i.e. solutions, and measured their electrical conductivities. Then they started using solids and biolocation testing. The test preparation was brought into the projection of the left temple region of the specially trained biolocation operator in front of the headphone inductor.

For the mathematical calculations the scientists thus obtained a virtual model of the tested preparations in the form of a graph for visualisation and a numerical system for rating the interaction with the magnetic field.

According to the generally accepted opinion that the magnetic field

lines always exit from the N inductor the first line (for the N inductor) was interpreted to be the **absorption spectrum** and the second line (for the S inductor) as the **radiation spectrum** of the test preparation. This occurred after magnetisation analogous to magnetic resonance spin-spin. From the position of energy-information exchange the reaction of the biological system to the information wave effect could be visualised. Accordingly the **N spectrum** characterises the structure and the **S spectrum** the **energetic state** of the investigated biological object.

It is a fact that a healthy fertilised egg cell (zygote) contains a minimal amount of toxic or negative information. Hence the healthy zygote represents a native matrix for the following differentiation of all cell elements in our main organs and tissues.

The investigations on fertilised egg cells with homogenates and organ preparations and stem cells in ampoules confirmed this assumption. The study of the spectra for these cases yielded an interesting discovery: the representation exhibits a Gaussian distribution and can be evaluated as being the 'golden biological mean' in G G Reckeweg's theory of homotoxicology.

The healthy zygote can hence be conceived as being a toxin-free biological tissue. It has no elements of frequency – resonance – specificity.

The Russian scientists then began conducting experiments with homogenates from the healthy tissues of the main organs in the human body and the bodies of laboratory animals (organ preparations).

The obtained spectrograms were represented graphically as two convergent lines with a particular configuration. In the interpretation of the graphs an obvious tissue specificity in the test organs in respect of their association with the basic systems of the human body was revealed.

Their dependence on the frequency of a specific colour in the solar spectrum and a note in the scale is also obvious. In the mathematical addition of the noise-to-signal ratios for various frequencies the organs in the human body were arranged in a logical order. The epiphysis (pineal gland) takes the top place among bodily organs in terms of its electromagnetic effect.

Other functionally highly active organs such as the thyroid and the adrenal glands as well as the sensory organs nose, eyes and ears are found here.

At the bottom of the table are all elimination and detoxification organs such as the skin, gallbladder, urinary bladder, rectum and kidneys, led by the vena cava containing the major part of our 'used blood'.

The ticked checkboxes in table 3 correspond to the tissue frequency specificity of the investigated homogenates and organ preparations.

The high rating of the larynx in the table is interesting. The higher rating of the testicles in comparison with the ovaries in the table was believed to be able to be interpreted by their more active function and by the location of their development during embryogenesis. The testicles are known to be formed in the loin region and then migrate out of the abdominal cavity to the scrotum.

The spectrograms for the skin, the bones and the joints, the vessels and the muscles (including the heart muscles) showed a maximum reaction at a current interruption frequency in the inductors of 2.6 Hz. This corresponds to the colours red and orange in the solar spectrum and the notes DOH-RE-MI.

The organs of the digestive system (stomach, duodenum, large and small intestines, pancreas and parotid gland) combine a peak in the

Key results of investigations

Organs	Coherent frequencies of the modelsof the N and S inductors in Hz									
Designation of organs	1.80	2.49	3.32	4.15	4.7	5.81	6.64	7.47	8.20	Sum
EPIPHISIS	3.12	2.72	3.72	4.72	4.12	4.82	5.52	5.12	4.13	37.99
GLANDULA THYREOIDEA	3.41	3.62	2.64	3.62	4.62	4.82	5.12	4.60	4.50	36.95
GLANDULA PARATHYREOIDEA	4.12	4.62	3.62	2.54	3.62	4.81	5.0	3.62	2.52	34.54
GLANDULA SUPRARENALIS	2.78	3.25	2.54	3.63	4.59	4.78	4.65	3.95	3.71	33.88
RHINOS	3.62	4.82	4.12	3.42	2.73	4.62	4.12	3.42	2.62	33.49
NERVUS OPTICUS	2.52	3.62	2.72	2.42	2.14	3.62	4.62	5.62	5.82	33.10
ADENO-HYPOPHYSIS	2.30	2.50	2.70	3.70	4.10	4.70	5.10	4.10	3.70	32.90
FO RETICULARIS	1.33	2.43	2.14	3.52	4.51	4.81	5.11	4.92	3.74	32.51
AURIS	2.37	3.57	2.63	2.80	3.50	3.43	3.73	5.55	4.60	32.18
LARYNX	3.12	5.12	4.12	3.12	2.12	3.62	4.12	3.62	2.73	31.69
OCULUS	2.09	3.39	2.52	2.80	2.68	3.54	3.99	4.79	5.84	31.64
THALAMUS	1.44	2.33	2.14	3.42	4.12	4.62	4.12	4.82	4.62	31.63
VENTRICULUS COR	2.14	4.61	4.51	3.72	2.52	3.62	4.12	3.42	2.42	31.08
CEREBELLUM	2.10	2.30	2.71	2.32	3.63	4.62	4.13	5.14	3.55	30.50
CEREBRUM	1.14	2.32	1.47	3.17	3.59	4.17	3.59	5.18	5.86	30.49
MEDULA OBLONGATA	1.69	2.58	2.17	3.13	3.83	4.34	4.50	4.52	3.66	30.42
OS PALATINUM	4.67	3.82	3.35	2.57	2.87	3.12	3.83	3.50	2.50	30.23
FEMUR	5.53	4.32	3.55	2.63	2.62	2.61	3.74	2.95	2.15	30.10
HYPOTHALAMUS	1.73	2.51	2.14	3.14	4.02	4.63	4.07	4.15	3.48	29.87
NEURO-HYPOPHYSIS	1.42	2.42	2.32	3.42	4.12	4.52	3.42	4.62	3.42	29.68
DIENCEPHALON	1.63	2.43	2.14	3.13	3.72	4.12	3.62	4.62	4.12	29.53
NERVUS SPINALIS	2.14	2.90	2.26	2.74	3.24	4.08	4.78	4.02	3.14	29.30
VENTRICULUS	1.62	2.62	4.62	5.12	2.4	3.42	3.12	3.62	2.12	28.80
PANCREAS	2.32	2.62	3.52	4.55	2.58	4.96	3.42	2.62	2.12	28.71
BRONCHIOLI	2.70	4.70	3.50	2.30	1.50	3.10	4.70	3.60	2.30	28.40
GLANDULA PAROTIS	2.25	2.89	3.25	3.95	2.79	4.71	3.43	2.55	2.11	27.93
MEDULA SPINALIS CERVICAIS	2.12	2.42	2.12	3.11	3.61	4.53	5.63	3.14	1.24	27.92
TESTIS	1.72	2.72	2.78	3.79	4.62	4.02	3.52	2.59	2.12	27.88
ARTICULATIO GENUS	4.15	5.80	3.80	2.52	2.36	1.95	2.60	2.77	1.77	27.72
MEDULA SPINALIS	2,25	2,89	3 25	3 95	2,79	4 71	3,43	2,55	2 11	27 93
CERVICAIS	2, 12	2, 42	2, 12	3, 11	3 61	4,,53	5, 63	3, 14	1,24	27 92
TESTIS	1, 72	2,72	2,78	3,79	4,62	4, 02	3,52	2,59	2,12	27 88
ARTICULATIO GENUS	4,15	5,80	3, 80	2, 52	2,36	1,95	2,60	2,77	1,77	27 72

signal-to-noise ratio and a current interruption frequency of 4.15 Hz (yellow colour and note FA) in the inductors.

A green spectrum and the note FA# (interruption frequency of 4.56 Hz for men and 4.98 Hz for women) dominated in the liver, the gall-bladder and the organs of the urogenital system (kidneys, prostate and uterus).

The blue spectrum and the note SOL (with the largest amplitudes (loudness levels) at a frequency of 5.81 Hz) were characteristic for the organs of the immune system - thymus, lymph nodes, spleen (white pulp), nasal cavity, larynx and bronchia.

For the organs of the endocrine system: thyroid gland, parathyroid glands, pineal gland (epiphysis), anterior pituitary, adrenal cortex, endocrine part of pancreas, spinal cord and spinal nerve roots, and peripheral nervous system dominated by a maximum in frequency of 6.64 Hz (blue colour and the note LA).

The tissues of the lungs, the optical nerves, the auditory nerves and the cerebellum had a maximum activity at a frequency of 7.47 Hz in the violet wavelength region (note TI).

The main parts of the brain showed a frequency of 8.20 Hz in the high frequency spectrum (dark violet colour and note DOH of the next (higher) octave).

The digital spectra are formed for the main disease nosodes and for the therapeutic complexes.

With the obtained results a biocybernetic anatomical model was created through organisation of the organs of the human body into 13 frequency filters and a programming algorithm, Nilas MV PathFinder, was developed for individual modelling of the anatomical holotopic (spatial) patterns. They were then made representable in the form

of computer models of all organs (virtual images) in the human body in various topographical anatomical projections as well as in sections of tissue and cell elements with their chromosomes and their gene localisation.

Oberon supports therapists in their tasks with a series of different spectra and views:

- The spectrogram of the energetic equilibrium state shows an abundance of equidistant (of the same length, same physical and technical distances) dipoles on a scale of 1 to 6 which records the energetic state of an organ at the various measurement points.
- The spectrogram of the physiological equilibrium in the form of a red-blue curve represents the dynamic state of the physiological processes in an organ. Whereas the energetic equilibrium state represents a momentary recording of an organ at the time of the measurement, the spectrum of the physiological equilibrium state shows more long-term effects and enables differentiation between acute and chronic processes.
- The Entropielevel spectrum for determination of the manifestation and the Kinetik (in biochemistry for the rate of biochemical processes) of a disease corresponds to the noise level in the bio-object and is measured in dB.

The principles of the Oberon technology are based on the individual modelling of the anatomical holotopic (spatial) patterns, with the virtual images being used as computer models of the tissues, cells, chromosomes and their gene localisation with the goal of rapid evaluation of the disruption in homeostasis. Their active psychosomatic correction utilising the phenomena of bioresonance and biophysical inversions (shifting of poles by 180°) as well as biological feedback are employed.

Figure 9 Fleindler's logarithmic polychrome scale

During an exam it is important to consider all spectra. Only in this way can consistent interpretations of the measured values be made.

The following sections provide guidelines for interpreting the respective spectrograms and should assist the user in drawing the correct diagnostic conclusions.

Energetic equilibrium



Figure 10: Energetic view of a knee

In each analysis the energetic state with respect to equilibrium in the examined region is determined first. This conveys an initial im-

pression of the state of functioning of an organ or tissue.

Each energetic view comprises two layers. The first layer contains an image of the investigated organ. The second layer contains an abundance of spatially distributed dipoles showing the local state at the corresponding position. Six symbols are used to represent this state.

- | | |
|---|--|
|  | 1: Latenter, suboptimal regulated physiologischer state |
|  | 2: Optimally regulated physiological state |
|  | 3: Physiologische Änderungen im regulierten System |
|  | 4: Stress state of regulatory systems |
|  | 5: Temporary breakdown of regulatory systems |
|  | 6: Dekompensation of adaptive mechanisms, pronounced disease |

Figure 11

The frequency emission-based scale with six gradations corresponds to the relative noise level in the biosystem and represents a momentary recording of the functional state. The view is strongly dependent on the conditions of the respective measurement.

Example: A patient ingests 50 g of alcohol and is then immediately examined. The view of the liver indicates an increased number of dipoles with statuses 5 and 6. This increase is only temporary, though, because the normal state is restored in a healthy organism through recovery of regulatory systems after about an hour.

To avoid false positive results it is important to heed the following information.

- The most reliable results are achieved if the measurement is performed in the morning with the patient on an empty stomach.
- Ingestion of food and environmental effects (emotional stress) can have an effect on the image.

- Before the exam the patient should be asked about his or her food consumption.
- Examination of the gastrointestinal tract may need to be repeated if the image contains regions with dipoles of status 5 and 6.
- The complementary spectra should always be considered in the conclusions.
- The NLS theory postulates that degradation of the energetic state is proportional to the severity of a disorder.
- The aggregationⁱ of dipoles with status 6 usually indicates a pronounced immune response of the body.

However, there are disorders, e.g. heel spur, bone fractures and many others, that cannot be revealed using NLS examination methods. These disorders represent so-called anomalies which cause no changes in the physiological equilibrium. A heel spur is very painful for a patient, but the pain is caused by a 'disturbance' in the surrounding tissue and not by the heel spur itself.

For correct interpretation of the measurement results the following information must hence be heeded:

- Analyses investigate changes in physiological processes. Morphological changes without physiological disturbances remain hidden from the method.
- The patient must be questioned regarding his or her symptoms and the answer must be considered in the interpretation if no obvious disturbances are present in the region of concern.

ⁱ **Aggregation** (from Latin *aggregatio*, accumulation, aggregation) generally refers to the grouping of objects or data to larger units.

- The relationships between organ systems according to the five phases of transformation of TCM must be considered.

Physiological equilibrium

It is known that every organ, and even every cell, in the human organism has a specific unique electromagnetic vibration (Voll 1950). This fact about the existence of a resonant frequency in biological systems was published for the first time ever by F Morell in 1960. The German physician F Werner and his team verified the spectra of electromagnetic vibrations in various homeopathic medications in 1966 with the help of a Wheatstone bridge (device used for determination of electrical resistance).

The investigations were carried out with dilutions of preparations of varying concentration in which a syringe with a metal plunger was used; the needles served as electrodes and were compared with the physiological control solution in a generator circuit of electrical vibrations at a pulse repetition frequency of 0.9 to 10 Hz. With the help of the calibration elements R1 and R2 a writing recorder was connected in the diagonal of the measurement bridge after balancing.

The tissue's internal vibrations as well as the vibrations from pathological tissue processes, allergens, homeopathic drugs, dietary supplements etc. were recorded by the investigators in the work with the homogenates of healthy organs from human embryos and animals (rats, dogs and guinea pigs) with the help of a vibration recording device, a rheometer. The database was supplemented with given test organ preparations in ampoules from the companies PITTLING, WALA and HEEL.

As already mentioned the healthy zygote and the undifferentiated stem cell show no toxic or negative information. Hence they serve as

a matrix for further differentiation of all other organ and tissue cells.

The differentiated stem cell already shows deviations from the 'optimum'.

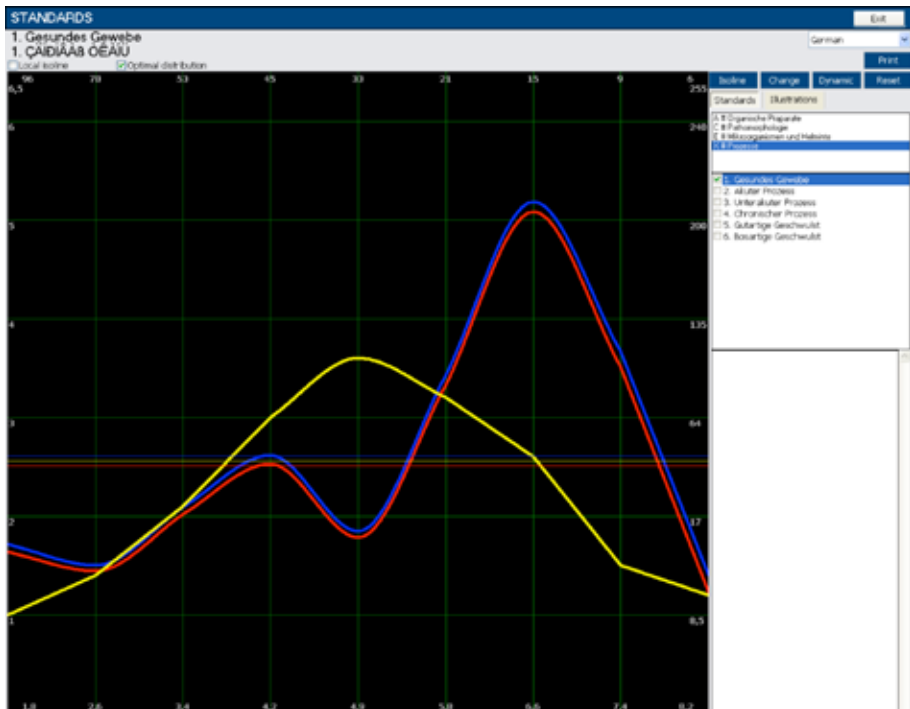


Figure 12 Optimum - optimal isone (golden line) shows the normal distribution of the signal for standard frequencies (Gaussian curve).

Method for measuring spectral patterns Frequency recording – digitisation – of complex substances

The measurements for recording frequencies and their digitisation make up an extremely complex procedure. In Western Europe, there is currently no corresponding laboratory which is fully equipped for this special case. Whilst we have not received any rejections to our queries, the prices for using such laboratories are then exorbitantly

high due to the high purchasing costs. One individual preparation, which we would integrate into the database via use in Western European laboratories, would therefore cost over €20,000. This is why we use a research facility in Russia. The full scope of research facilities required for this are only available, and affordable, here.

The process used in Russia is described in the following.

The preparations are therefore structured according to various test groups:

- | | |
|--|---------------------------------|
| 1. Organic preparations | 21. Foods |
| 2. Biochemical homoeostasis | 22. Healing stones |
| 3. Pathomorphology | 23. Vaccines |
| 4. Stresses | 24. Curative cosmetics |
| 5. E-numbers | 25. Psychovegetative stresses |
| 6. Electrosmog / geopathy | 26. Psychovegetative situations |
| 7. Dental materials / nosodes | 27. Group 1 characteristics |
| 8. Hormones and hormone preparations | 28. Group 2 characteristics |
| 9. Microorganisms and helminths | 29. Group 3 characteristics |
| 10. Allopathy | 30. T1 models 1 |
| 11. Homeopathy / catalysts | 31. T2 models 2 |
| 12. Regenaplexes / regenatherapy | 32. T3 models 3 |
| 13. Spagyric | 33. U1 CNS control centres |
| 14. Nosodes | 34. Us CNS control centres |
| 15. Isopathic agents/immune modulators | 35. Chakras |
| 16. Rizols / peptides | 36. Brain wave rhythms |
| 17. High potencies | 37. Influencing programs |
| 18. Phytotherapy / Bach flowers | 38. Effective compensation |
| 19. Nutrients | 39. Affirmations |
| 20. Nutritional supplements | 40. Chakras / Colours |

For a better understanding a brief outline of the history of frequency recording:

Already at the end of the 1970s researchers experimented with magnetic tapes similar to the methods used for music cassettes or audio tapes. They were able to save the original information in analogue form on a

magnetic tape, but access to the information was much too complicated and time-consuming in practice because rewinding and fast forwarding were necessary for finding and playing back the required information.

Unfortunately over the course of the developments in the computer and data processing industry it was not possible to save the information about the substances in analogue form because the quality of the stored information was extremely poor in comparison with that of the original substances. The researchers then used an analogue-digital converter to convert the paramagnetic biological analogue signals to digital form and save them as binary code. Now they were able to save a patient vibration spectrum with all frequencies from the lowest frequency range to the highest frequencies. Unfortunately this storage type could only save one single substance, necessitating a large number of such storage modules for reasonable work to be carried out.

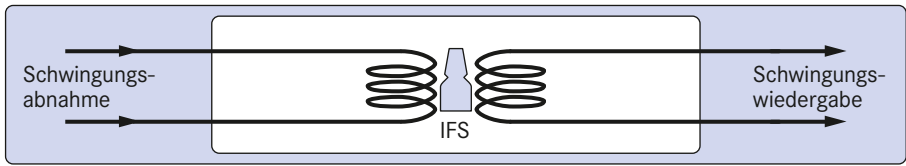


Figure 13 Analogue vibration decrease – test ampoule – analogue vibration reproduction

An additional five years of intensive research and development were needed before a special ‘reading device’ with which the information from an original substance source could be recorded, digitised with a high resolution and saved could be designed.

Reading device in block circuit diagram

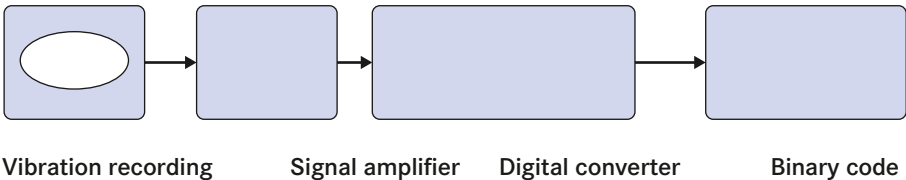


Figure 14

A special problem for reading of the original information was created by interference and interfering sequences from the surroundings. For elimination of these spurious oscillations a GTEM cell as is also used in testing labs and research institutes was installed.

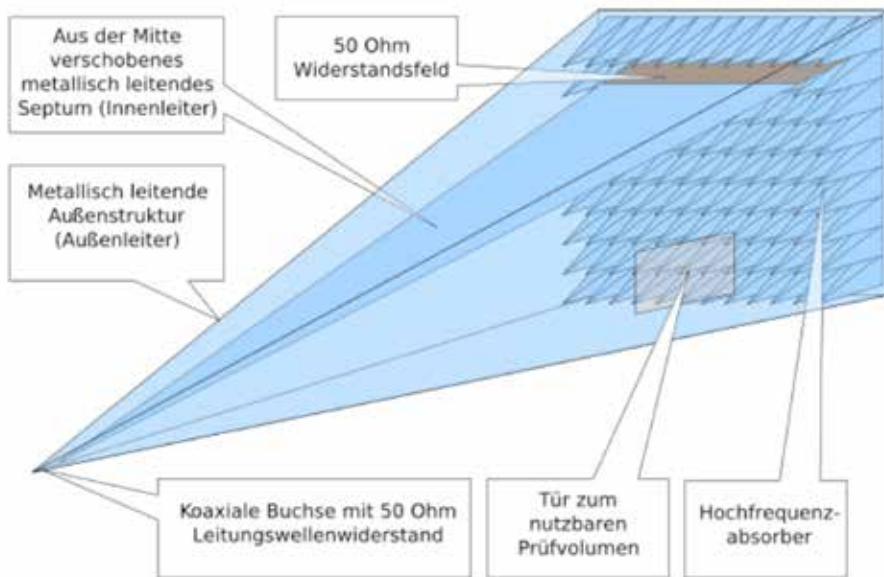


Figure 15

This cell completely shields against electromagnetic waves, but not pure magnetic fields.

Hence an additional mu-metal sheath was installed to shield against magnetic fields.

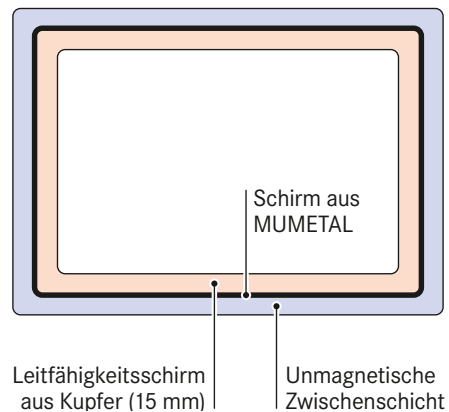


Figure 16 MUMetal Mantel

General information	
Name	Mu-Metal
Other names	Permalloy
	Nickel-iron alloy with 81% Nickel and 19% Eisen.
Components	Other mixing ratios are also common; an example is 80% Ni, 16% Fe and 4% Co.
Brief description	Solid with high magnetic permeability

Properties	
Dichte	8.7 g/cm ³
Aggregatzustand	solid
Sättigungsmagnetisierung	0.8 T
Spezifischer Widerstand	55 · 10 ⁻⁶ Ω·cm
MR coefficient	2-4%
Upper application temperature limit	150 °C
Thermal expansion coefficient (20-100 °C) in 10 ⁻⁶ K	13.5
Young's modulus in kN/mm ²	200

Thus it could be ensured that only the internal vibration spectrum of the original substance was available for digitisation. The original substances are now converted with a very high resolution and written on a reserved digital storage space. This can be compared to the recording of an orchestral piece on a music CD; the CD recording then has nearly the same quality as the original.

As shown in simplified form in the block circuit diagram above, recording of preparations for our database is still being done today in this way for us.

After data acquisition using this procedure each preparation undergoes spectroscopic testing.

The preparations are read into the memory for checking the functioning of the results. After the test ampoule has been read in the information is retrieved and played back to another ampoule.

A Perkin Elmer (UVNIS/NIR) spectroscope is used for this check.

Technical Specifications for the LAMBDA 1050 UV/Vis/NIR and LAMBDA 950 UV/Vis/NIR Spectrophotometers

SPECIFICATIONS
UV/VIS AND UV/VIS/NIR SPECTROSCOPY



Introduction

PerkinElmer® UV/Vis and UV/Vis/NIR spectrophotometers are built to the highest ISO-9001 manufacturing standards. This document presents confirmed performance specifications based on factory tests.

All instruments will meet or achieve better than the confirmed specifications, under normal conditions of use as described in the user manual.

The LAMBDA™ Series of spectrophotometers is the industry standard for high performance, flexibility and convenience. Each model includes the same range of modular components and snap-in accessories to tackle a range of tough applications. Whatever specifications you require, the LAMBDA Series provides best-in-class accuracy, precision and reproducibility.

Technical description and specifications

	LAMBDA 1050	LAMBDA 950
Principle	Double beam, double monochromator, ratio recording UV/Vis/NIR spectrophotometers with microcomputer electronics, controlled by DELL™ PC or compatible personal computer.	

Figure 17



Figure 18

With a Perkin Elmer (UVNIS/NIR) spectrophotometer the input ampoule and the output ampoule which corresponds to the test information are compared and the minimum deviations recorded. In these comparisons the differences between input and output ampoules are shown to be between 0.002 and 0.0036, corresponding to an extremely low extinction coefficientⁱ. The investigations are carried out in the UV range because experience has shown that the cluster structure of water exhibits sensitive differences and is hence particularly good for such subtle tests.

With this completely nondestructive and stable digitisation method the entire set of preparations compiled from many years of experience is digitised, tested with the spectrophotometer and saved in the Oberon system memory of the Software Nilas MV

ⁱ Extinction in optics means the weakening of a beam.

as digital information. This requires both money and time. For this reason the incorporation of new preparations into the software takes about 6 to 9 months. Another basic prerequisite is obtaining of the permission to digitise the preparation from the preparation producer.

For reasons of confidentiality no further details on this process are provided. Please understand that this process is a key factor in securing the advantage of the Oberon systems over all other NLS systems on the market in terms of precision.

With each energetic representation Oberon develops an equilibrium spectrum (curve made up of a blue and a red line). This spectrum is a complementary image of the energy state. Only simultaneous consideration of both views allows conclusions to be made about the functional state of the investigated region.

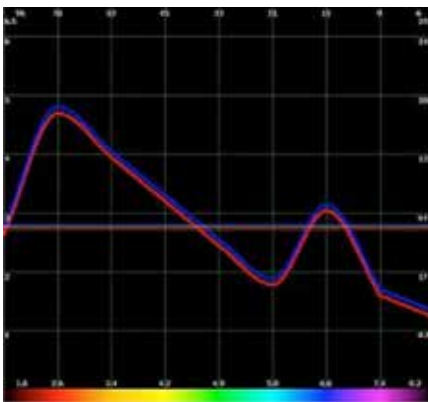


Figure 19

Physiological equilibrium spectrum vibration pattern of a health organ: in this case bronchia.

The result of the measurement is shown logarithmically on the ordinates of the spectrum in decibels and represents the amplification of the measured signal (ordinate to the right). For purposes of clarity the left ordinate is divided into a scale from 1 to 6.

The abscissa of the spectrum represents the frequency in Hz that the organism was exposed to. The frequency range from 8 to 8.2 Hz lies in the range of the theta waves in the human brain.

The maxima in trigger frequency correspond to groups of organs and tissues according to the list below.

Curve dissociation

(Dissociation, from the Latin word *dissocio* = separate or part, is understood in the Oberon investigation to be the distance between the blue and the red curve.)

The basis for this new method was the clinical vibration models of the main diseases most commonly occurring in people of various ages and for both sexes.

In the above spectrum (figure 19) the **red line** corresponds to the input signal and the **blue line** to the output signal of a regulated system. In an optimally regulated system the red and blue lines have identical shapes and positions. However, this corresponds to a mathematical model. This agreement is practically never seen in real life. The red and blue lines never completely overlap. The spectra shown below are typical – even for healthy organisms..

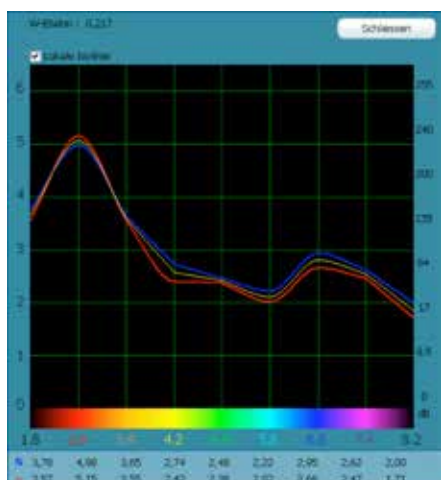


Figure 20

Dissociation between input and output signals

If the blue line is higher than the red line, the dissociation is **positive or anabol**, meaning that in the anabolic or development phase the biosystem takes up energy and information in the process of metabolism.

Because the blue line, as a signal, represents the adaptability of the respective organ this means that the

internal energy of the organ suffices for compensating for a disruption. Dipoles of status 5 and 6 hence correspond to reversible physiological disorders without pathological manifestations.

For **negative or katabolen** processes the biosystem in the so-called catabolic or breakdown phase releases energy and information.

Acute and chronic processes

The equilibrium spectrum of the Oberon device enables differentiation between acute and chronic processes. The three horizontal lines are inspected for this.

These lines are called 'isolines'. Isolines, also known as isorhythms, are lines containing a particular value.

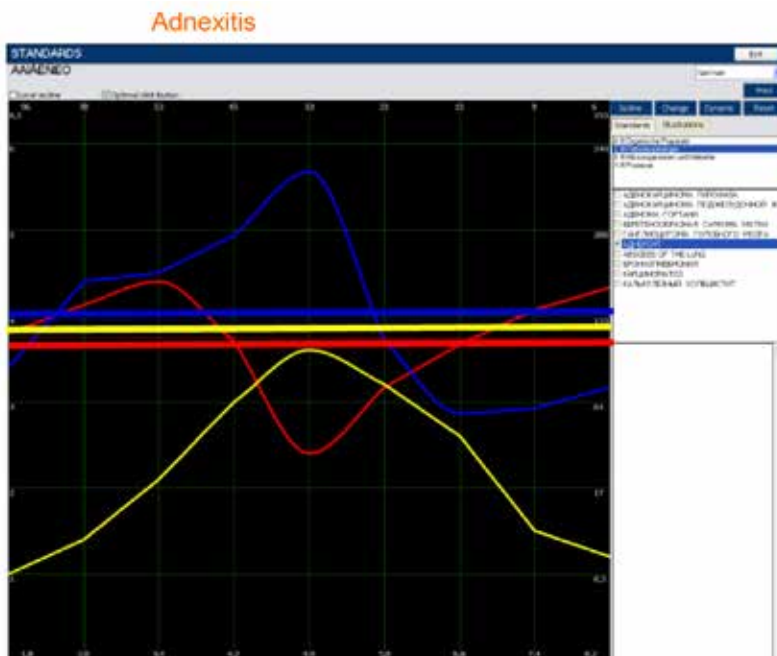


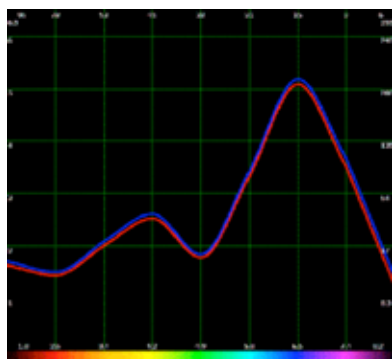
Figure 21

- The red isoline corresponds to the mathematical mean of the red signal.
- The blue isoline corresponds to the mathematical mean of the blue signal.
- The yellow isoline corresponds to the mathematical mean of both signals.

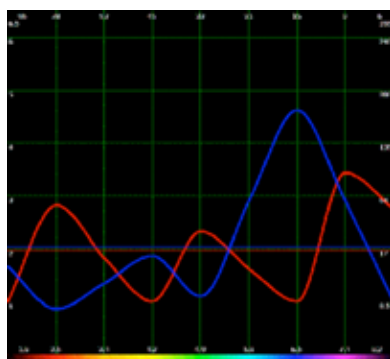
If the distances between the three lines are small the organism can recover from the disturbance by itself. The disturbance is thus temporary and the following applies:

- **Akuter** process:
yellow isoline lower than 2.5
- **Sub-akuter** process:
yellow isoline between 3 and 3.5
numerous small dissociations
isolines close together
- **Chronischer** process:
yellow isoline higher than 3.5
flat spectral lines
red line always above blue line

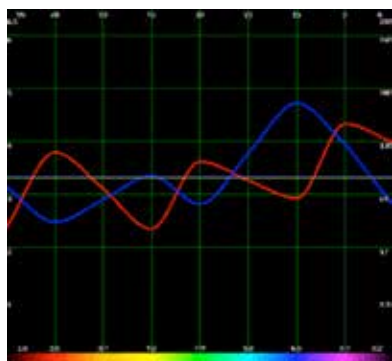
These rules of interpretation are illustrated by means of the following examples.



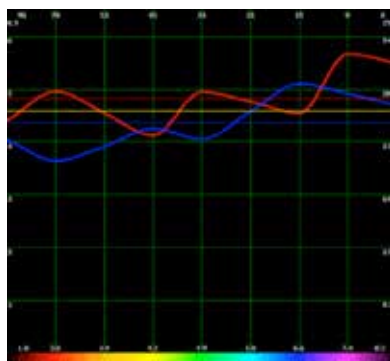
Healthy tissue



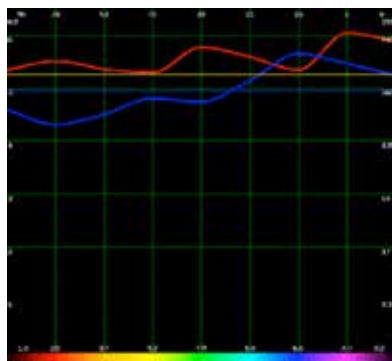
Anabolic compensated process



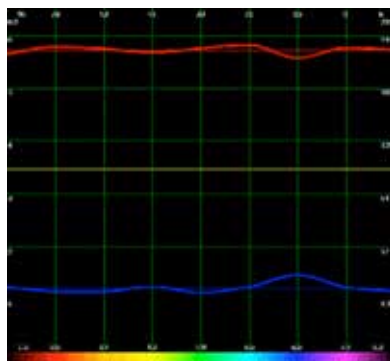
Subacute anabolic compensated process



Chronic catabolic decompensated process



Benign tumour: chronic catabolic decompensated process



Malignant tumour: chronic catabolic decompensated process

Figure 22

Entropy spectrum (entropy analysis)

The Entropiespektrum is another view of the so-called equilibrium spectrum enabling the stage of a disease to be determined.

The entropy spectrum is analysed if the measured signal is very similar to the reference signal (absolute reciprocal similarity value < 0.2). In this case the stage of the disease can be determined through a comparative analysis. Example: Entropy spectrum at the onset of osteoporosis. The entropy spectrum shows five stages of a disease. The front lines represent healthy tissue, whereas the back lines represent a pronounced chronic medical condition.

The thick red and blue spectral lines correspond to the measured input and output signals respectively. The greater their similarity in terms of shape and position to those of the back signal the more pronounced the pathological state.

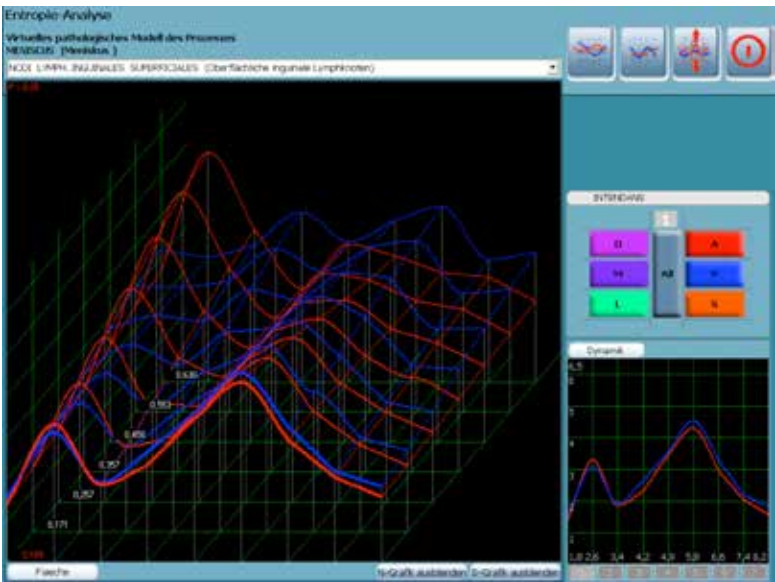


Figure 23

NLS spectrum (NLS analysis)

Multidimensional NLS analysis can be used for special evaluation in registry selection pathology, biochemical homeostasis and homeopathy.

With the ‘pathology’ selection only carcinoma conditions can be considered. The analysis is analogous to the entropy analysis. The difference is that actual tissue samples with various developments are considered for all stages.

With the ‘biochemical homeostasis’ selection an evaluation of the selected substances in terms of ‘too much’ or ‘not enough’ can be carried out.

With the ‘homeopathy’ selection the selected preparations (most of them) can be evaluated in terms of potentiation. It provides a rough indication of which potency for the selected remedy is probably more suitable than the one saved as a pattern.

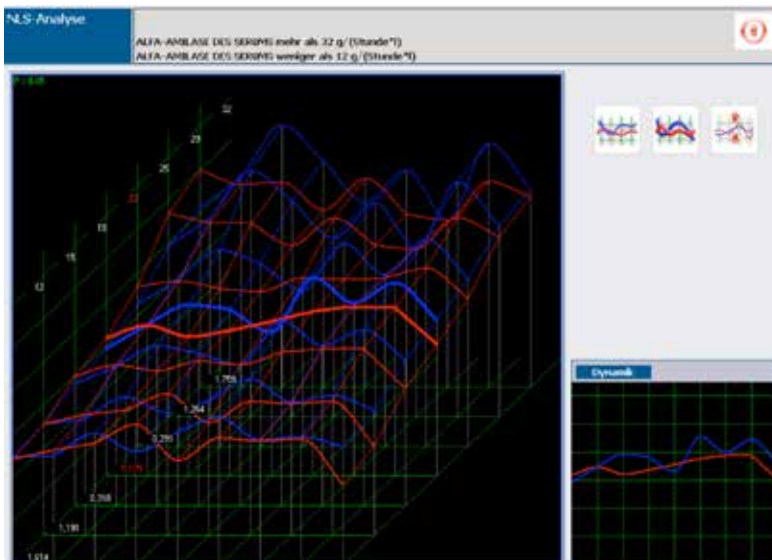


Figure 24

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