

TREATISE ON ELECTROSMOG INTRODUCING THE STATE-OF-THE-ART iHIT®™

By Walter Laufs

PART I

Coined in the 1970's as analogous to city smog – which refers to the accumulation of exhaust and industry fumes, soot and a host of other chemical contaminants forming to become hazardous concentrations – the term electrosmog (or esmog, for short) is a blend of the words “electro” and “smog”. Against the backdrop of today's electromagnetic environment, this catchword denotes an analogous situation in which fields of differing frequencies and intensities interfere with one another. Hence esmog is the umbrella term denoting environmental pollution due to electromagnetic fields and radiation.

There are many reasons why people decide to investigate a particular subject matter and devote themselves to its thorough and scientific analysis. In the past, a great many achievements were thus accomplished simply because the researchers felt the compelling urge to get to the bottom of their particular field; others were driven by the promise of power, recognition, fame, or by a material incentive. Some researchers, however, are driven by personal motives only, paired with a tinge of curiosity and frustration, serving as the propelling force to move the project forward – an approach which in many instances left the researcher's life taking a new and unexpected turn altogether.

Due to personal circumstances I was unable to influence, my life, too, took a most unexpected turn. In 1972, my first wife, Margret, had to undergo a severe operation. Even though she had come through the surgery successfully, full recovery was nowhere in sight even many months later. This was a mystery to us which even the specialists were unable to solve, let alone understand. When asked to explain what was going on with Margret, their lapidary standard reply was: “*She'll be fine*” or “*You got to be patient, this takes time.*”

In my estimation, these statements were a reflection of the specialists' appalling incompetence and my subsequent research would prove that my skepticism of the doctors' diagnoses was alarmingly justified. According to my research, it is totally uncommon for the recovery time following surgery to drag on for months on end; this fact prompted me to insist on more tests and examinations, all of which went to prove that, apparently, my wife was “as fit as a fiddle”. Then, one day, we were given the fateful diagnosis which would change my life forever: “vegetative dystonia”.

This, then, was the ominous verdict, the explanation (in my view it was more of an embarrassing excuse than a serious diagnosis) for my wife's unremitting debility. This diagnosis, issued by a so called “specialist”, brought home the message just how much, or rather how little, it takes for orthodox medicine to be at a total loss – both for words (i.e., a proper diagnosis) and an adequate cure. A trusted friend suggested we contact a naturopath, which we did. At our first interview, I immediately noticed that his overall approach differed fundamentally from the way orthodox medicine would have handled the situation. It seemed logical to me that as he set out to determine the root cause for

my wife's deplorable condition, he would also consider the environment. This was my first contact ever with a naturopath who also happened to be a *baubiologe*.¹

This and subsequent contacts with naturopaths were the determining factors which helped me decide to turn my back on orthodox medicine for good. My next step was to go back to school and study to become a naturopath and a *baubiologe*. I graduated in both fields, having taken physics and medicine at university earlier in my life. This move would prove to be the foundation stone for my future research. Unfortunately my newly acquired knowledge was of no help to my wife. Following two more operations, her condition severely deteriorated and she died two weeks later.

My wife's death made me realize one thing in all clarity: when treating a patient, it is of the utmost importance to look beyond the symptoms and search for the root cause of the disease, which must always include a careful examination of the patient's environment. I was shocked to see – and these were by no means isolated cases – that in my immediate environment there were people suffering from all manner of disease while the medical professionals were at a complete loss in terms of finding a proper explanation for the problem, let alone in assessing which treatments to apply. This was the moment when my curiosity was aroused and I decided to do some thorough and systematic research of the subject matter. However, this seemed easier said than done; where and how was I to start? I decided that the only sensible way forward was to tackle the task like a doctoral thesis which required some in-depth research.

At the time, however, I was not yet in a position to do any medical examinations or tests; consequently, I focused my attention on the physical aspect of my research, i.e. I needed to determine to which extent environmental pollution/environmental stress – esmog in particular – would affect people's health. One has to bear in mind, though, that back then esmog awareness was still in its infancy and the general public didn't quite know what to make of this new commodity called esmog, or whether or not it posed a health risk at all.

During my research I came across an interesting fact: the majority of the people in my environment who – like my deceased wife, Margret – had been diagnosed of a vegetative or idiopathic condition, were suffering almost the same symptoms as electrohypersensitive people (ES sufferers). For many years I had been researching this particular phenomenon long and hard and was hence qualified to attest to the unswerving accuracy of my observation. In the course of time it became increasingly clear to me how these patients could be helped and several years later I was able to put my ideas and theories into practice in my *Naturheil- und Allergiezentrum Friedrichshöhe* (Naturopathic and Allergy Treatment Center Friedrichshöhe). It was in my clinic in the Black Forrest where, in the course of eight years, my second wife, Waltraud, and I conducted intensive research regarding esmog and other environmental factors, including double blind studies on large groups of patients.²

Before my wife and I were able to begin with our esmog research, however, we had to evaluate the files of several hundred of our patients in order to determine possible ES sufferers; this was necessary so we could put together a control group for the double blind studies. In addition, we had to develop a method to measure the efficacy of our

¹ *Baubiologie*, a term coined in Germany, is a word used to describe a movement promoting the use of healthy building principles as a means to improve living and work spaces and the health of people who occupy them. Baubiologie literally means "building biology" (comparable to the Chinese *feng-shui*). Both terms are now used interchangeably and both have exactly the same definition. This new field of education is characterized by the terms biological, ecological, sensitive to nature, healthy, vital, human, organic, high quality, cultural and holistic. A *Baubiologe's* field of work is *Baubiologie*.

² Recent polls in the US showed that domestic/internal air quality reflected consumers' top priority.

treatments on the patients. Double blind studies cannot be realized until such methods are in place. During this preparatory stage, we also had to interview a vast amount of our patients to obtain their consent for their participation in the studies to be conducted. Upon completion of this extremely time-consuming phase, I was finally able to dedicate myself entirely to my research. The task at hand appeared uncomplicated at first: we were going to procure any and all esmog products so abundantly available on the market, painstakingly scrutinize them in terms of their alleged efficacy and eventually pick out the most efficacious product/s which we would then use to treat our patients. This strategy soon proved to be a fallacy due to the fact that – the huge number of esmog products notwithstanding – the double blind studies failed to produce conclusively positive results. This realization was depressing.

I continued to be determined to find a solution against esmog to help my patients with their complaints and, as a direct consequence, realized that I had to extend the scope of my research. Given the disappointing test results I was more or less forced to develop esmog protection devices of my own, which had to meet my very demanding requirements, to boot:

- ✓ my esmog products needed to be of a universal nature;
- ✓ my esmog products needed to be affordable;
- ✓ my esmog products were not to make necessary any building alterations / refurbishments;
- ✓ my esmog products needed to stand their ground during severe technical testing;
- ✓ my esmog products needed to prove their efficacy in double blind studies and other methods of testing.

Following more extensive research in the field of physics, I realized that the solution which would meet my high quality standards could only be found in the realm of scalar waves which **Nicola Tesla**³ (1856-1943) had already described and the existence of which **Prof Dr Dr Ing Konstantin Meyl**, Aharonov and Bohm 1959, Bearden and Sweet 1986, Bearden 2001 et al had experimentally and irrefutably substantiated. Deciding to develop a technology based on scalar waves – and subsequently terming it **iHIT**®™, an acronym from **i**nverted **h**armonized **i**nformation **t**echnology – came easily and naturally; after all, in the course of many years I had seen the phenomenal efficacy of subtle energies, during bioresonance therapy, among others, which I had used to treat our patients (having modified my bioresonance devices and adapted them to my own ideas). Sadly this fabulous therapy, which does not produce any side-effects whatsoever, continues to be decried and rejected by science and orthodox medicine despite abundant proof and international studies attesting to its unquestionable effectiveness, thus reducing the claims of its opponents to absurdity who state its effectiveness is merely of a placebo nature.

It is incomprehensible to me that people with little or no training in the field of physics or medicine – let alone with any experience in the field of bioresonance – apparently feel qualified to contribute to the discussion regarding the effectiveness of bioresonance therapy. They arrogate judgment to themselves and pass it freely without ever so much as being the least qualified to do so. Consider the following: incompetent judgment is being passed on a method of therapy and its apparent effectiveness derided just because these heretics are unable to produce any results in measuring the therapy's effectiveness. It is only natural that no measuring results should be obtainable so long as an elec-

³ World-renowned inventor, physicist, mechanical engineer and electrical engineer **Nicola Tesla** (1856-1943) was born an ethnic Serb citizen of the Austrian Empire and later became an American citizen. He is best known for his revolutionary work in and numerous contributions to the discipline of electricity and magnetism as well as for his discovery of scalar waves. Tesla's (more than 700) patents and theoretical work formed the basis of modern alternating current electric power (AC) systems, including the polyphase power distribution systems and the AC motor which he sold to Westinghouse.

trician's test screwdriver – or measuring devices designed to measure alternating current, for that matter – is used to conduct measurements in the field of subtle energies and on bio-organisms. Furthermore, their categorical rejection is never corroborated by any sound scientific proof in which case their stance would be understandable. The standard yet specious explanations these self-appointed guardians of physical possibilities and phenomena are quick to offer sound like this: “*Stuff like that doesn't work!*”, “*I can't imagine this to work!*”, “*This is bordering on charlatanism!*”, “*There is no scientific evidence!*” etc. I wonder what these people would make of a cardiologist or a neurologist who is getting ready to do an EKG or EEG recording using an electrician's test screwdriver or a volt meter.

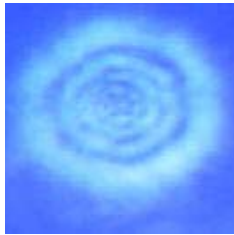
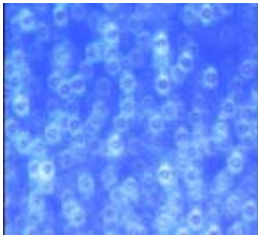
When I decided to make use of the principles of scalar wave technology for future implementation into highly effective esmog protection devices, I was fully aware of the fact that it would be difficult to explain their mode of action. However, until I would be able to put my theories into practice and eventually start to manufacture my own esmog protection devices, I had to develop and manufacture new instruments. Scalar waves (which are also referred to as longitudinal waves) continue to be rejected by orthodox science. There is a conspicuous parallel to bioresonance therapy I would like to bring to the reader's attention: the same people who reject the latter are equally opposed to scalar/longitudinal wave technology, reasoning that the alleged existence of either phenomenon is a hoax due to the fact that even the most sophisticated measuring devices to date are unable to record any results pertaining to their effectiveness.

I am struggling to comprehend some scientists' viewpoint according to which they are only willing to accept any given fact if it can be measured. It is understood that out of necessity science and technology developed their own terminology, language and methods. However, the results produced by those tools are for the most part just as flawed, limited and finite as the methods themselves. From a scientific point of view it is impossible to determine, i.e., measure the value of information (from Latin “in-formare” = to bring into form). The following examples will prove my point: how does one measure affection or love, for instance in a parent-child relationship? Which criteria are to be applied? We experience love as a sensation of wellbeing (among other things) the effects of which can be registered as a change, a variance in the body which science, in turn, is able to measure. Trying to explain the sensation of affection or rejection by simply saying that the “chemistry” between two people is or is not right belies and belittles those experiencing either sensation. Science has been falling short to express and explain, let alone measure and graphically demonstrate, what a cup of fresh water means to the thirsty; what a piece of bread means to the hungry; what a word of comfort means to the destitute; what a tender glance or gentle caress means to lovers. By the same token, science has fallen short to record the joy over an achievement or the depression suffered by those out of a job or the homeless. Surely, no scientist would venture to claim that those reactions, which are exclusively happening on an information level, do not exist.

I sincerely wish that those scientists and technicians who prefer to remain devout slaves of the measurement technology/electrical metrology could have seen the look on some of our patients' faces when they first came to our clinic, having been told by their GP just hours prior that they only had six months left to live. Having made every endeavor, my wife Waltraud and I, along with the naturopaths working in our clinic, were able to reverse most of those fatal diagnoses by giving the patient's immune system a massive boost so the body would regain its self-regulating and self-healing powers. Oftentimes this regime would lead to the patient's complete recovery. Based on my experience of many years as a naturopath and a physicist, I know today that disease only happens

when the body can no longer tolerate, handle and self-regulate an assault. It is difficult to describe the look of gratitude and profound relief in the eyes of those patients of ours who had been previously written off by their GPs only for us to save them and give them back their lives. I venture the guess that, if those scientists, technicians and engineers who live by the maxim that “real is only what can be measured” could have been present in those moments, they probably would have become more open towards phenomena which cannot be measured. After all, a human being is more than the sum of its scientifically measurable parts.

Up to the present day, science has been taking the relentless view that matter is the result of physical and chemical processes, concluding that only what can be determined by way of an analysis, a method of measuring and expressed in a number or digits is actually real. This is a rather rigid, materialistic and mechanical way to view the world, leaving little if any room for any concept involving subtle energies. Numerous research projects in the fields of physics and chemistry were, and continue to be, aborted due to a lack of sufficient proof, i.e., current measuring devices have failed, at least for the time being, to produce results attesting to the effectiveness of whatever was tested. At the same time, science is aware of the fact that there are many phenomena outside the measurable realm – consequently said phenomena and processes ought not to be labeled unscientific (curiously enough, in some areas such as particle physics the same rigid yardstick is not applied) even though there are still a lot of open questions, particularly in this field (diffraction).



Biophotons made visible

*The existence of biophotons discovered by leading German researcher and scientist Prof Dr F Popp can now be proven by way of a special technological device. Pictured on the left are biophotons in energized water, while on the right we see a six-fold magnification of an individual biophoton, showing its underlying hexagonal structure.*⁴

Surprisingly, science does not seem to have a problem with certain processes, e.g., those happening inside the bio-organism, the atom or in the galaxy, regardless of the fact that those processes cannot be directly observed; what can be observed, however, are the effects produced by these processes. Effects always happen in accordance with certain principles of law and order, and their thorough and unbiased analysis allows for explanations of certain phenomena in the realm of the non-visible / non-measurable. If the same scientific yardstick would be applied to the realm of subtle energies, careful analysis of their effects, too, would allow for explanations of certain phenomena in the realm of the non-visible / non-measurable. In this case, however, homeopathy, bioresonance, **Prof Dr Fritz Popp's**⁵ biophoton research and Nicola Tesla's findings would equally have to be attributed the importance they deserve.

What cannot be must not be. Upon pondering this statement, one cannot help but wonder if science might actually apply double standards somewhere along the line. The inclined reader may pass judgment as he sees fit – and while he does, he may wish to take

⁴ <http://www.eauvivante.excelexgold.com/page17.html>

⁵ **Prof Dr Fritz-Albert Popp** (born 1938) is a German researcher in biophysics. After studying experimental physics, Popp earned his PhD in theoretical physics at Mainz University and later became a professor at Marburg University. His research began with the confirmation of the existence of biophotons, which had earlier been studied by Terence Quickenden in Australia. International projects led to cooperation with scientists such as Walter Nagl, Ilya Prigogine and David Bohm. He became an Invited Member of the New York Academy of Sciences and an Invited Foreign Member of the Russian Academy of Natural Sciences (RANS). For a time, he worked at Princeton University. Popp was the founder of the International Institute of Biophysics at Neuss, Germany. His contributions to science have opened a whole new branch of biophysics. Patents that he holds include the use of biophotonics to examine the quality of food, the environment and medicine, among many others.

into consideration the fate of such (rejected and decried) notables as Galileo Galilei⁶, Ignaz Semmelweis⁷, Samuel Hahnemann⁸, Nicola Tesla and Prof Dr Fritz Popp and his biophoton research, all of whom suffered an ill fate at the hands of the establishment of their day.

The idea of an energy-information web linking man with his environment is far from being a new discovery. In the 1920s and '30s, influential Russian natural scientist **Wladimir I. Wernadskij** (1863-1945) described, among other things, the existence of the biosphere (a term which has since become common knowledge) and warned that man was not to be cut off from the environment. Wernadskij went on to say that everything in nature was intricately linked with one another and that organic life on Earth was integrated into highly delicate regulatory processes and linked with the environment's electromagnetic fields. Furthermore, life was not to be reduced and restricted to the current laws of physics and chemistry. He emphasized that it was totally inadequate to describe life on the basis of material and energetic criteria alone and prophesized that scientists of the future would have to go beyond the current scope of science and aside from matter and energy add new factors, one of which would have to be information.⁹

There is a steadily increasing number of top-class scientists who share Wernadskij's view. **Albert Einstein** remarked on the subject of information: "*Everything in life is vibration; life is vibration.*" **Max Planck** observed: „*In actual fact, there is no such thing as matter. Everything is composed of vibration.*" **Yakir Aharonov**, professor for theoretical physics at the University of Tel Aviv, Israel and at the University of South Carolina, USA, is an authority on quantum physics. Four or five physical phenomena have been named after him, e.g., the Aharonov-Bohm Effect. Asked to comment on the subject of information, he replied: "*Biophotons are the body's information carriers.*" Canadian biophysicist **Bigu del Blanco** succeeded in measuring both electromagnetic radiation and its absorption, thus documenting the exchange of information among cells.

According to Popp, there are some 40 research teams worldwide – predominantly in

⁶ **Galileo Galilei** (1564-1642) was an Italian physicist, astronomer, astrologer, and philosopher who is closely associated with the scientific revolution. His achievements include the first systematic studies of uniformly accelerated motion, improvements to the telescope, a variety of astronomical observations, and support for Copernicanism. Galileo's experiment-based work is a significant break from the abstract approach of Aristotle. Galileo is often referred to as the "father of modern astronomy", as the "father of modern physics", and as the "father of science".

⁷ Hungarian-Austrian physician/obstetrician **Ignaz Philipp Semmelweis, PhD** (pronounced "ZAM-mel-veis") (1818-1865), a pioneer in medical prophylaxis (antiseptic policy) and prevention of nosocomial infection, could be considered the father of infection control. He demonstrated that post-operative sepsis infection and puerperal fever (also known as "childbed fever") could be drastically reduced by enforcing appropriate hand washing behavior by medical care-givers. In 1848, Semmelweis widened the scope of his washing protocol to include all instruments coming in contact with patients in labor and he statistically documented success in virtually eliminating puerperal fever from the hospital ward. He published papers around the world and wrote a book on his work but those that needed it most never read it because it was a new theory and they were in a profession that respected only the old tried methods. His observations went against the current scientific opinion of the time, and ideological issues prevented the medical establishment from recognizing and applying Semmelweis' findings. One was that his claims were thought to lack scientific basis since no explanation was given to his findings. Such a scientific explanation was only made possible some decades later, after Semmelweis' death, when the germ theory of disease was developed. Voicing his scathing criticism of the medical world, Semmelweis succinctly stated: "*There will always be doctors like Klein (Semmelweis' boss who fiercely opposed him). [...] But while other doctors are healing people, the Kleins are making a secure position for themselves. They don't use medicine to do this. They use the protection of medicine and the politics of medicine. And because of the way medical liberals split up among themselves, it's the Kleins who really run the universities and the hospitals.*"

⁸ German physician **Christian Friedrich Samuel Hahnemann, PhD** (1755-1843) established the fundamental principles of the science and art of homeopathic medicine or homeopathy which is based on the principle of "*similia similibus curantur*" or "*let like be cured by like*" ("*Law of Similars*" meaning that a remedy producing symptoms in a healthy person will cure those same symptoms when manifested by a person in a diseased state. Hahnemann used homeopathic treatment with a 96% success rate, compared to the 41% of allopathic medicine during an outbreak of cholera in 1831, for instance.). He is also credited with introducing the practice of quarantine. Although his new methods initially met with ridicule and criticism, by the time of his death they were accepted by millions of practitioners the world over. An impressive monument in Washington D.C. commemorates Hahnemann's life and work. Remarking on allopathic physicians, Hahnemann offered some abrasive criticism: "*For several centuries, a whole range of causes, which I could not begin to enumerate, have led to the downgrading of that divine science, clinical medicine, to the level of a wretched, money-grabbing exercise in the whitewashing of symptoms and a demeaning traffic in prescriptions, in fact, God forgive us, to a more mechanical trade in which Hippocrates is lost to sight amidst a rabble of charlatans.*"

⁹ <http://www.solidaritaet.com/fusion/2000/3/intro.htm>

Japan, China and India – pressing ahead with biophoton research. Supposedly investing up to \$ 100 million annually, Japan is developing a full body photon scanner. Research results, particularly the work of German physicist Popp, have shown that the DNA is kind of an “electromagnetic aerial”, which absorbs information and passes it on to the cells. Based on the mountain of solid scientific findings it can be unequivocally concluded that the body’s information processes are the key to each and every life process. Moreover, it can be deduced that information is the all-empowering and controlling entity regulating any and all of the body’s functions. Life without information would be impossible.

Information comes in many shapes and sizes. Take language, for instance, or a person’s handwriting, books, numbers, vinyl discs, CDs, DVDs, newspapers, radio, TV, paintings, magnetic tapes, photographs, music, colors, shapes, temperature, facial expressions, telephone lines, CB radio, genetic makeup, neurons, taste, smell etc. The perception of the five senses – seeing, hearing, feeling, smelling, tasting – is processed according to the same laws and in an identical fashion in every human being. However, the interpretation of the information accompanying sensual perception is happening on an individual basis and varies from person to person. While this phenomenon can be explained logically, it is impossible to measure it physically. On the other hand, what definitely can be measured on a physical and chemical level are the body’s reactions **TO** information.



Walter Laufs in his laboratory

This brings us to the central point of my esmog research. As stated above, the only effective protection against esmog would, in my view, have to be developed on the basis of scalar wave technology. I was privileged to have had the chance to run innumerable tests and elaborate studies on my patients, all of which would help me develop my theories and before long bring about most tangible results. In the course of the ensuing eight years I was able to continually and consistently optimize these results in my naturopathic and allergy treatment center; in addition, I was able to test all the products I had developed on a great number of the most diverse patients. This is how I was able to help a lot of my patients get back on the road to full recovery, while the multiple test-runs on my patients allowed me to obtain valuable results pertaining to the question whether or not esmog was really a health hazard. I examined various diseases, symptoms and “just” mild complaints, wondering if there was a possible connection to esmog as the root cause. The results I came up with were similar to those obtained in biophysics: so long as the information transfer to and inside the body is disturbed, the body’s health will automatically be compromised.

With esmog, the biggest interference factor is not the strength of the current but first and foremost its frequency. It is not the intensity of the electromagnetic stress which is disturbing (analogously: the difference between disturbing noise and pleasant music is not in the volume). Rather, the answer is to be found in the specific frequency and the wavelength thereof. This fact has been corroborated by numerous international scientific studies. Given this backdrop, it becomes evident that all the talk about safety levels is missing the point because regardless of their intensity, electromagnetic fields can become biologically active on a cellular level. Following extensive testing in my clinic on various disease patterns, I was able to observe and conclusively confirm this statement,

which the following examples demonstrate.

Neurodermatitis

Arcadia's story

One day I was challenged with a severe case of electro-hypersensitivity (ES) in the shape of a four-year-old girl by the name of Arcadia, who had been brought to my clinic as a "last resort". Arcadia had been suffering from neurodermatitis since she was 10 months old and her condition had been deteriorating ever since. She was in a lamentable state. To make matters worse, her little body had become resistant to cortisone, which her mother had used on her only in case of emergency. This child presented a medical challenge for me, particularly since her mother had plausibly assured me that she had tried every possible naturopathic treatment in the book. I ran numerous tests on Arcadia, all of which went to prove that she was suffering from an extreme case of ES. We decided to give her mother one of our *area esmog neutralizers*, even though the test stage for this product had not yet been completed at the time. In addition, we gave her a mobile phone chip as well as a chip for her cordless telephone. To alleviate the itching, I told the girl's mother to apply a nourishing lotion I had especially developed. Three days later we had a phone call from Arcadia's mother, who was happy to report that her daughter had managed to sleep through the night for two nights in a row. Also, the itching had completely subsided. The itching never recurred and some two months later, Arcadia's skin was almost as good as new. With this case brought to a happy ending, I decided that I would make it a point to examine all future neurodermatitis patients with regards to potential ES.

ADHD-Syndrome (attention deficiency and hyperactivity disorder)

Michael's story

10-year-old fidgety Michael used to be a so called „hyperactive child“ who presented a constant challenge to his environment, at school, at home or while dealing with other children his age. In addition to his behavioral disorder, he also suffered from a severe case of balbuties (the defect of stammering; also, a kind of incomplete pronunciation) and ended up being regarded as dumb despite the fact that his intelligence level was perfectly inconspicuous for his age. Totally unable to cope with the situation, Michael developed an aggressive pattern which worsened rapidly. To offer a solution to this depressing (and apparently unsolvable) situation, Michael's pediatrician put him on Ritalin. At first, this case made me feel helpless, the more so as Michael's parents had tried every possible treatment they could find. What puzzled me, however, was the fact that Michael's hyperactivity began to occur – and worsen ever since – six months after he had moved house. Furthermore, the stammering had begun almost the same time he started school. Having run numerous tests on Michael it became clear that he, too, was suffering from an extreme case of ES. Following an interview with his parents, during which I related the health risks caused by esmog, they agreed to have my esmog products tested on Michael, even though the test stage for these products had not yet been completed at the time. Three weeks later Michael's parents happily presented to us their little son whose hyperactivity had all but subsided – without the use of Ritalin! All shining eyes, a well-balanced Michael proudly told my wife – without so much as a stammer – that he had received an autograph from Martin Schmidt, who was a ski jumping world champion at the time. Believe me when I tell you that a huge lump occurred in every throat of those present at this special moment.

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The list of patients who had come to our clinic after having been treated with allopathic and/or homeopathic/alternative protocols, is long (in the majority of cases, these proto-

cols failed altogether while in a handful of cases, only short-term relief was accomplished). Some of these patients also went to get psychiatric help but clearly not because they were actually mentally disturbed. Imagine having a health complaint and nobody to believe you... Even the psychiatrists to whom those (conveniently labeled) “hypochondriacs” turned for help thought that they were hallucinating; after all, no organic failure could be evidenced. Anyone will appreciate the tremendous psychic stress these patients endured.

Given our overwhelming success, it had become standard procedure by then to consider environmental factors during diagnosis and treatment alike. Having recorded our findings over a 12 month period and following subsequent data evaluation, we were looking at some most interesting demographics indeed:

- 20% of our patients showed a rapid, in several instances spontaneous improvement in their condition. Similar to Arcadia’s and Michael’s cases, these results were caused merely by applying the esmog protection products I had developed; no medical treatment of any kind was applied.
- 75% of our patients were resistant to therapy to a more or lesser degree. Once my esmog products were applied, however, their resistance phased out consistently. Thanks to our individually tailored, customized therapies, we were able to completely stabilize those patients.
- 5% of our patients experienced a temporary improvement of their condition as a result of applying our esmog products while resistance to therapy persisted.

Convinced by these results, I concluded the technical research of my esmog protection products, the effectiveness of which had been amply proven, just like my choice of scalar wave technology (iHIT®™).

Next I needed to address the following question: how can the effectiveness of my esmog products be explained from a medical perspective? Pressed for an answer, we set out to evaluate any and all of our therapies and tests we had applied and conducted, respectively, over many years. As a result, we gained more insight into the esmog issue, on the basis of which we were able to break down the workings of esmog into three stages:

- **Stage 1 – disorder**
The body’s homeostasis becomes compromised. At this stage, most patients complained about sleeping disorders, loss of appetite, nervousness, headache and lack of concentration.
- **Stage 2 – impact**
Any symptoms become more pronounced and tangible. Hyperactivity (in children), rheumatism, migraine, depression, proneness to allergies and consequently a reduced immune response could be observed.
- **Stage 3 – disease**
Commonly, all manner of irreversible disease may manifest unless esmog is reduced.

Each organism reacts individually to environmental impact, including electromagnetic fields. The determining factors in the development of an illness caused by esmog are

- a) the intensity of the stress and
- b) the length of time during which stress is applied.

Is it possible to give a globally acceptable threshold value which could predictably determine the outbreak of an esmog related disease? Given the above observation, the answer is a resounding no. A person’s individual stress tolerance, which varies from person to person, is the determining factor here. Simply put, esmog creates an artificial

stress situation in the bio-organism, which, in turn, affects the metabolism as well as hormone production (melatonin!), to mention just one example. Maintaining the same daytime stress levels throughout the night will have an affect on the body's essential regeneration phase, steadily increasing the risk of falling ill due to permanent stress overload. This is why a stress-free sleeping and a stress-free work-place are crucial, if not downright vital, in the very meaning of the word.

Following patient data evaluation, we were able to conclude that:

- Depending on both their physical size and duration of impact, electromagnetic fields cause additional “technical stress”.
- Unless esmog causing factors are brought down to individual tolerance levels in good time, the body may experience health complaints of all types, including serious disorders.
- Basically, it can be said that children, adolescents, the elderly and people with a low immune response are particularly more prone to esmog related complaints than people with a reasonable constitution.

Based on these findings, the answer to the active principle in my products, which is also reflected in my **iHIT®™** technology, had been found: the products reduce esmog induced stress factors, thus relieving the immune system and re-activating the body's self-regulatory properties.

Stress inducing factors cause either a positive bodily reaction, referred to as eustress (pleasant or curative stress) or a negative reaction, commonly referred to as distress (stress caused by adverse events). These terms were coined by acclaimed Canadian physician and endocrinologist **Hans Selye** (1907-1982) who did much important theoretical work on the non-specific response of the organism to stress and in 1950 developed his now-famous theory of the influence of stress on the body's ability to cope with, and adapt to, the pressures of injury and disease. He discovered that patients with a variety of ailments manifested many similar symptoms which he ultimately attributed to their bodies' efforts to respond to the stresses of being ill. He called this collection of symptoms – the existence of a separate stress disease – stress syndrome, or the general adaptation syndrome (GAS). So impressive have his findings and theories been that he is referred to as the “father of stress research”.

Whether or not a person is “stressed” depends on the information forwarded by the sensory organs. New stimuli are compared to every experience made in the past, following which they are classified and stored. In accordance with the transmitted information, the body responds by activating a chain reaction of measures. These are completely normal processes, happening a million times per second, unnoticed. Sensory input, of which we consciously register only a minute percentage, is processed in different centers in the brain. More than 99% of all sensory input is blocked and remains buried in the unconscious mind. This unique mechanism protects the body from over stimulation. It is evident that stimuli selection, i.e., which stimuli a person chooses to consciously perceive, must vary from person to person. In a stress situation, the body reacts in its entirety. Hormones released by the amygdale of the limbic system activate the body's fight or flight response. With the stress situation over, stress hormone levels come down and the body returns to normal mode. However, if the stress situation persists – as is the case with esmog, for instance – the body remains alarmed and in alert mode, thus depleting oxygen levels in the blood, blocking the body's immune system and self-healing mechanisms and possibly manifesting stress related complaints in their wake. It is a fact that permanent stress exhausts the body's energy supplies.

Due to the positive results I had gathered in the course of over 20 years, I was finally able to conclude my (solely privately funded) research and development projects, which had seen their share of ups and downs. This is not to suggest, however, that my work is done or that it ever will be. Aristotle once said: *“The more I know the more I don’t know”*. In more ways than one, this motto applies to my work ethic. As long as people’s health continues to be compromised by (technical or chemical) environmental contamination, I will accept, and rise to, the challenge to make a difference and bring about viable solutions.



PART II

In today’s cataclysmic world, we see our living conditions undergoing fundamental and continuous change. We live in a time during which people of all ages are increasingly confronted with a host of new stressors.¹⁰ Non-compensated stress is one of the causes for compromised health affecting the global community on a psychological and physical level. More and more people are complaining about a suppressed immune response, the consequences of which will be a rise in immune resistance somewhere along the road which will eventually lead to medical conditions. The number of hard-to-treat chronic diseases posing a serious problem for therapists of all fields is on a constant rise, challenging medicine to break fresh ground. The time has come for the medicine of the future which embraces interdisciplinary causal research. I am talking about a new kind of medicine which takes into consideration the fact that exogenous and endogenous toxicity is a contributing factor to disease. I am talking about a medicine – as well as of a new kind of physics – which is more open-minded and tolerant and ruled by a profound appreciation regarding energetic, informatory and biomedical life processes – and which is not afraid to accept new challenges, even at the cost of having to shed feathers and let go of outdated, erroneous, or plain wrong opinions and beliefs. We are in the middle of yet another paradigm shift beyond a doubt, plowing up the fields of science and research. It is precisely for this reason that the development of an appropriate awareness is of paramount importance, particularly since this new awareness is also a prerequisite for dedicated action in terms of prevention-oriented diagnosis and therapy.

The research criteria applied in science today fails to fully grasp the entire scope of biological realities and subtle energies. It follows that orthodox science cannot lay claim to hold the only, and only the right, answers regarding the accurate causal analysis of life processes. Organic life happens beyond processes requiring a chemical-mechanical definition. The human body is a highly sophisticated biological system, equipped with the ability to continuously compensate functional imbalance and re-establish homeostasis and information by virtue of healing impulses. Cybernetic models for a more comprehensive appreciation of complex biological processes are the very basis (among other things) for an adequate appreciation of functional aspects and related disorders. With regards to their complexity and breakdown susceptibility, biological processes can be likened to personal computers: a tiny, hardly noticeable flaw in a software program might cause the pc to crash – and not unlike functional-systemic disorders in the human organism, the causes for the crash / breakdown are extremely complex and in many cases difficult to make out.

¹⁰ In 2006, the French DEMETER satellite reported that molecules in the Van Allen Belt and the ionosphere were changed by the high ambient levels of smog encompassing the world. This is causing an acceleration of global warming. For a full report, please visit http://www.lpce.cnrs-orleans.fr/www_experim/experim_espace_demeter_details_eng.php?PHPSESSID=976360060d4059ab86e0699d2453ad9a

It is impossible to examine the bio-organism, its genesis/formation, growth, functions and life processes exclusively from a scientific point of view and on the basis of science's absolutistic laws. Chemical-physical methods of testing are merely used to determine possible functional or morphological deviations from the standard values; this way of testing can only appreciate and assess the status quo. However, chemistry and physics are not biological laws but tools which are applied to prove the existence of biological processes and make them measurable.

Throughout the centuries, science kept being forced to throw its outdated theories and findings overboard and replace them with new discoveries. Here is a short list of classic examples initiating a paradigm shift:

- shift from the geocentric (**Ptolemaeus**) to the heliocentric world view (**Nikolaus Kopernikus**);
- Galileo Galilei's discovery which was to replace **Aristotle**'s physics;
- **Johannes Kepler** discovered the laws of planetary motion (Kepler laws);
- the discovery of modern physics by **Isaac Newton**;
- Albert Einstein's special and general theory of relativity which replaced ideas on ether, absolute motion, time and space.

Moreover, a paradigm shift in physics had been rung in by the discovery of quantum physical phenomena as well as the elaboration of the principles of the quantum theory (in the 1920s and '30s). Until that moment it was widely assumed that light was a wave and matter consisted of small particles (elementary particles). Due to experimental observations the then valid interpretation of quantum mechanics had to be newly formulated: light, too, consists of particles and matter, i.e., elementary particles, also consisted of waves.

It is in the very nature of any physicist to render every event, occurrence and process in nature measurable and mathematically calculable in order to be able to deduce explanatory models from his findings. The quantum and field theories were developed on this premise. The quantum theory describes the inner life of atoms; the field theory is a gravitational theory, formulating the forces among visible objects. As yet, physicists like Albert Einstein, **Stephen Hawking** and many others have been unsuccessful in bringing these two theories together in one world formula; at the same time, it is questionable if nature can be described in one world formula at all since the basis for such a formula would be derived from the standard of knowledge applied by physics today. Astrophysics and particle physics have been frantically searching for such a world formula for a considerable time, albeit in vain. My prophecy is this: so long as those physicists keep blinding themselves to the field of information and unless they are prepared to take into consideration and embrace metaphysics, their efforts will surely remain futile.

Physicists like Max Planck, **Werner Heisenberg**¹¹ and Albert Einstein realized that matter – as defined in layman's terms – does not exist per se; it follows that physics (which is bound to objective matter) must be unable to venture into, explore and explain non-objective matter (subtle energies). Yet physics, being the science that explains the aspects of inanimate nature by way of mathematical laws, ought to be able to explain in which way abstract principles, which make energy possible, are to be defined. In my view it is impossible to explain – even on a rudimentary level – phenomena like scalar waves, zero point energy, radiaesthesia, homeopathy, pyramid energy, tachyon, life and subtle energy as well as other, non-electromagnetic fields of physical nature hitherto

¹¹ Celebrated German physicist and Nobel laureate **Werner Heisenberg** (1901-1976) was one of the pioneers of quantum mechanics and one of the most important physicists of the 20th century.

unknown to man unless metaphysics is taken into consideration.

The reason for science's resentment and rejection of things metaphysical is less of a scientific nature; it is rather an expression of fear to lose its scientific sobriety and seriousness, a possible research contract, or research grants. This is why the scientific world ends where metaphysics begins. I am of the opinion that science does not need to regard metaphysics as an insurmountable obstacle; actually, metaphysics ought to be considered as a passageway leading to different dimensions and new discoveries and findings. Here is an example to make my point: suppose person X who knows about three dimensions – length, height, and width – is trying to explain a die and its six sides to person Y who only knows about two dimensions – length and width. It would be an impossible endeavor. Try as he might, person Y would fail to appreciate the issue: due to his understanding of two-dimensionality he would only be able to see one side of the die (i.e., two dimensions). Surely, person Y would be greatly puzzled and intrigued to see the numbers on the surface of the die constantly changing. Admittedly, this is a rather simplistic example but the point is made. In the case of science and metaphysics, we have a similar situation with metaphysics pushing the doors wide open into new dimensions, thus offering the possibility for science to discover new principles for new explanatory models.

Orthodox science prefers to decry a domain which plays an important part in metaphysics; I am talking about the vast field of information. In order to get a basic appreciation of phenomena like scalar waves, homeopathy, bioenergetic fields (subtle energies), bioresonance or radionics (to mention but a few), it is indispensable to examine the term information from a physical and medical point of view. And here is the crunch: not every object, process, event or occurrence can be weighed, measured or calculated. If orthodox science dared to step out of its comfort zone and have an open mind it would seize this golden opportunity and the tremendous research potential it presents. Instead, orthodox science refuses to rise to the challenge and, analogous to person Y in the above example, remains puzzled at best, or simply ignores any bioenergetic phenomena altogether. Such an attitude is preposterous and unscientific, to boot. There is no scientific evidence to explain under which circumstances and within which timeframe a person catches a cold. Likewise, there is no scientific evidence to expound under which circumstances a person gets a headache, rheumatism or other complaints. The reactions of the biosystem happen in accordance with the ratio of information input/absorption and information processing. A disturbance in the information flux will produce factors which have disintegrating properties on the system.

Information processing happens on account of negative or positive feedback. Negative feedback ensures that the status quo is maintained. In the case of positive feedback, the output returns to merge again with input, the result of which is a new development. With biosystems, the first principle will lead to torpor (in extreme cases), the second principle will lead to chaos. Only autopoiesis will lead to a functioning synthesis of both programs.¹² The organism is therefore a complex, self-organizing system with autopoietic structures and cross-linked cybernetic regulatory mechanisms. Corrective processes induced by self-adjusting regulatory processes with the control loops remaining intact and the information flux remaining uncompromised, are more effective than external control mechanisms by way of foreign signals.

In physics, the term information transfer denotes that an event is happening at one place while its effect is observed at another. Hence causality is based on the transfer of infor-

¹² Maturana and Varela: "Autopoiesis refers to autonomous systems that are self-creating, self-organizing and self-preserving. It is commonly applied to biological organisms and also to human organizations."

mation. In other words: information transfer is what happens between a cause and its effect. It follows that a disrupted information flux among somatic cells will lead to disease. Internationally acclaimed biophoton researcher Prof Dr Fritz Popp states: *“Every disease can be traced back to a lack of light in the cell and, correspondingly, to a disturbance in the information flux.”* A lack of light denotes an energetic deficit (photon deficit) as well as concurrent disturbances in the field of information (wave/frequency range). Disrupted/compromised information exchange among somatic cells, accompanied by changes in the tissue, metabolic problems or subjective complaints, is always at the very core of any disease. In natural fact, compromised information exchange is always a precursor to disease long before the latter becomes evident. It can be safely stated that disease is the disharmony of the frequency pattern of individual cells, cell layers, tissue or organs.

Any kind of disorder, disturbance or disruption of the energy flux – whether it is caused by a physical or psychic trauma – will lead to loss and a progressive change of information at the receptors and is a precursor – actually, it is *the* manifested precursor – of “disease”. To counter it, one would have to correct the disruption in the information flux (to calibrate the cell, so to speak), thus re-establishing balance within the cell and making it possible for the organs to “get back to their job”.

Let’s hear what **Dr Robert O Becker, MD** (born in 1923, full professor at Upstate Medical Center, State University of New York and at Louisiana State University Medical Center, director of orthopedic surgery at the Veterans Hospital, Syracuse) has to say. Twice nominated for the Nobel Prize, Becker used to be *the* leading authority on energetic medicine until it became known that he actively supported plaintiffs in their litigation against electricity companies by way of providing expert opinion. Becker states that *“...many therapies commonly applied today draw from the same, invisible source: the body’s electric system.”* He goes on to list the positive electromagnetic therapies: *“Acupuncture, hypnosis, homeopathy, visualization, faith healing, and electro-acupuncture.”* Becker remarks: *„Ancient beliefs and concepts about life and its interaction with the powers of the universe have proved to be accurate in more ways than one. The mind influences the body and the body comes equipped with an inborn system for self-healing. We are finally discovering that the findings of alternative therapies, such as acupuncture, hypnosis, faith healing and electro medicine, are based on the same effect mechanisms which we are now able to appreciate.”*

According to Becker, cells are controlled by electricity, which can be measured in the nanometer range, i.e., thousand-millionths of an ampere. Becker focused on acupuncture points and meridians and was able to prove in reproducible tests that acupuncture points on the lower arm (which is where the test was conducted at the time) actually exist. These acupuncture points, which were also found on other test subjects, emitted recordable electric signals. Shortly afterwards, he discovered “transmission lines”/“light channels” which are the meridians acting as connectors between acupuncture points. Becker eagerly shared the exciting news with his employers who not only refrained from commending him on his findings but also cancelled his grant money for the project.

The mass of brain cells arranged around the nerve cells, to which science has paid no heed so far, are referred to as perineural cells. Perineural cells produce verifiable electric potentials and act as electricity conductors. This is how the cell communication system was discovered, which might arguably be the oldest data transfer and control system of the oldest living organisms which took over the command of the nerve impulses. It is precisely *here* that decisions are made and commands are given. It is evidential that

body chemistry including its messages is a subordinate entity.

Man is an energy conversion system, absorbing energy and converting it mainly into heat. Physics calls this condition “dissipative”. From a physical point of view, man, animals and plants are open, dissipative systems in a dynamic equilibrium, permanently exchanging vital communication with the environment. Positive information promotes stability in the receiving system; negative information promotes instability in the receiving system, i.e., the system gets sick. Each second of the day, the human bio-system comes in contact with innumerable substances via the skin, air supply, mucous membranes, or eye contact which is how it receives, on a continuous basis, tangible information from the emanations of other living or non-living/inanimate systems. Coherence, i.e., congruence between the sender (of tangible information) and the bio-system (which receives/absorbs information) plays an important part in these processes. The more congruent they (sender and receiver) are, the more coherent are the processes between them; the less congruent they are, the less coherent are the processes between them, rendering the tangible incoming information incompatible.

All matter on Earth is made up of information or a frequency pattern (see Einstein, Planck) and enters in resonance with its environment. If the sender’s frequency (i.e., tangible information) is compatible with the receiver’s frequency (i.e., the bio-system/man), coherence is a given: the energy received is salubrious and constructive and has a positive and thus stabilizing effect on one’s health. If a bio-organism absorbs a great deal of negative energy, i.e., if the quality of the nucleus has been compromised, ill health will be the consequence before long.

In 1924, interestingly enough, French physicist **Count de Broglie** discovered that all matter radiates / emanates specific information into space. With this observation he created quite a fracas in the physical circles of the time. Physicist **Clinton Joseph Davisson** experimentally confirmed de Broglie’s “material waves”. In 1937, both gentlemen received the Nobel Prize.

Many metaphysical phenomena (which, as expounded before, are still waiting to be expressed in scientific formulae) are experiencing – I should think much to the chagrin of many two-dimensional scientists – a scientific rebirth, thanks to **Burkhard Heim** and his unified quantum field theory. The repercussions of Heim’s thesis can be felt way beyond the field of physics and its rigid and entrenched ways. The repercussions of quantum mechanics are just as fundamental and the significance of the quantum theory is felt both on an organic and on a psychological level. Quantum properties are valid in the micro-cosmos and, under certain conditions, also manifest on a macroscopic and biological level (**von Weizäcker, Dürr**). Medicine cannot do without quantum mechanics. Living organisms are extreme quantum objects (**Pasqual Jordan**). Indeterminate incidental processes on a quantum level are the prerequisite for the influence of consciousness on matter and thus an explanatory model for all purely mental therapy systems as well as some therapy systems of energetic medicine.

Vacuum energy, zero point energy, sub-quantum field, etc. are the new concepts of the old vitalistic notion of an all-uniting space energy. We are looking at a system of forces with potential energy and an internal structural dynamic, despite the fact that its resultant equals 0. This system produces a gaseous continuum existing of fluctuating virtual particles which act as an information field, determining everything entering physical reality as vectorial energy or matter (**Bischof**). These scalar fields correlate to the conscious mind; reality is regarded as a dynamized part of the all-encompassing conscious-

ness, stimulated by the vacuum state.¹³ After the discovery of the Casimir effect and the Aharonov-Bohm effect, scalar waves, which had already been described by Tesla, had to be accepted as a reality. Based on this result, one can imagine the overwhelming potential of possibilities regarding power generation.

At present, medicine merely hints at these possibilities: an expanding vacuum technology proceeds on the theoretical possibility to be able to design organized signals for every medical purpose. New theories in the field of brain research are based on the sub-quantum field; Nobel Prize laureate **Sir John Eccles** is already talking about “quantum neuro dynamics”. This may be a possible explanation for medicine systems the effectiveness of which has been proven, like bioresonance, homeopathy, radionics, etc. While these therapies are being applied in alternative medicine with much success, established science and orthodox medicine continue to vehemently oppose them.

At the outset of this treatise, I mentioned that people of all ages are increasingly confronted with a host of new stressors. Ubiquitous, technically produced electromagnetic stress, also known as esmog, is a stressor of a rather special kind. The myriad stressors summarized under the umbrella term esmog have an immediate effect on cell physiology and consequently on the control mechanism of the body. This fact is vehemently denied by the industry, of course. The powers that be do not shrink from exerting pressure on those people who beg to differ and who are bold enough to go public with their views (see Prof Becker). However, it can be ascertained without the shadow of a doubt that the impact of external electromagnetic fields produces reactions in the bio-organism because cell communication happens at several thousandth, even millionth of a volt, as EKG and EEG measurements attest. The body’s electrochemical shifting streams are at 15 μA . A pacemaker, for instance, controls the clock frequency of the heart at a mere 8 $\mu\text{A} = 0.000008\text{A}$. Adverse health effects are possible because the bio-organism is exposed to technically produced electromagnetic alternating fields

- a) which are many times stronger than the body’s currents (Becker) and
- b) the frequency of which interferes and irritates the body’s regulatory mechanism.

Biological adverse health effects caused by esmog are due to:

- the field force or power flux density of the technical signals;
- the type of field (magnetic field, electric field and modulation, pulsation, frequency);
- the sufferer’s sensitivity and
- the induction period (**Varga**¹⁴).

Aside from the results I was able to obtain during my many years of extensive research, there are numerous international studies corroborating my conclusion that esmog is seriously compromising the health of bio-organisms (man and animals). And yet, as if in defiance, a vast number of officially recognized scientific studies continue to purport without the slightest embarrassment that esmog radiation is harmless. One of those remarkable papers was published by the SSK (Strahlenschutzkommission; commission for radiation protection, a government authority). In their 56 page long treatise of June

¹³ In classical physics, the term vacuum denotes “empty space”. In quantum mechanics, however, it denotes the condition of the lowest energy and the highest stability, i.e., the “basic state” of a system. Quantum field theory, which treats all physical systems as systems of fields, regards all fields and particles as differing excitation states of a vacuum field. Every kind of force or particle has its own vacuum state. In its basic state, the electromagnetic field still has a residual energy; this is due to the uncertainty principle (indeterminacy principle) as formulated by Heisenberg. This residual energy is also called “zero point energy” and can be observed in “zero point fluctuations”. The same holds true for vacuum states of other physical forces and particles. In other words: „empty space“, in which all force and matter fields have an average intensity of zero, is in reality filled with an incessant activity of „ghost particles“ and „ghost fields“ which appear for an extremely brief time/lifespan only to disappear immediately afterwards.

¹⁴ **Prof Dr Dr András Varga**, graduate engineer in telecommunications, Doctor of Natural Sciences, Doctor of Theoretical Medicine, professor in biophysics and radiation hygiene, former head of electro-bioclimate research at Heidelberg University; he is also available as an expert / expert witness.

13, 2001 entitled “Grenzwerte und Vorsorgemaßnahmen zum Schutz der Bevölkerung vor elektromagnetischen Feldern – Empfehlung der Strahlenschutzkommission“ (Safety Limits and Precautionary Measures for the Protection of the Population against Electromagnetic Fields – The SSK ’s Recommendation), they arrived at the amazing conclusion that electromagnetic radiation does not pose a health risk. Responding to the SSK, German MD and scientist **Dr Karl-Heinz Braun-von Gladiss** does not mince his words: “*The SSK’s treatise entitled “Safety Limits and Precautionary Measures for the Protection of the Population against Electromagnetic Fields” serves as a prime example, proving the point that experts are prepared to restrict their views and mindset in order to avoid obtaining inconvenient results.*” This says it all in a nutshell: the harsh reality the global community has been facing since the word “go” is reflected in the fact that profit keeps being more important than the truth about esmog.

The only conclusion to be deduced from the following reflections is, in my view, that esmog must pose a health risk.

Electromagnetic fields have thermic and athermic effects on bio-organisms. As yet, science has been unable to prove the existence of athermic effects (more on this later). Science proceeds on two assumptions which might very well be applicable to technical systems but which are totally incompatible in case of biological systems:

- 1 When applying the specific absorption rate (SAR), it is in my view erroneously deduced that low intensity electromagnetic fields similarly have less pronounced effects on the inside of the body.
- 2 In addition, science postulates that the skin effect which is relevant for technical conductors is equally significant for bio-organisms.

Pertinent to skin effect, energy penetration into the core of the technical conductor becomes less pronounced as the frequency increases. In other words: an increase in frequency allegedly allows for less energy to penetrate the bio-organism (specific absorption). It is hence inferred that the current density near the surface of the conductor is greater than that at its core. That is, the electric current tends to flow at the “skin” of the conductor. This observation pertaining to technical conductors is then applied to electrically conductive human tissue. This deduction is wrong because in living organisms the surface of the bio-organism is reflectively (caused by a reflex) linked with its organs. It follows that weak surface stimuli oftentimes produce particularly strong effects inside the bio-organism. In biological medicine, this fact is systematically applied. In acupuncture and reflex zone therapy, minute surface stimuli are applied to produce disproportionate depth effects. Moreover, the results must be considered adulterated so long as stress impact is averaged. If the field intensity of a pulsed signal is arithmetically averaged over a certain period of time, it results in nothing more than playing with statistics. This has nothing to do with concrete biological effects which depend on peak value, long-term exposure, and stimuli rhythm. Based on this erroneous belief scientists do not rate the effects of the concrete impulse but rather its averaged impact within a specific timeframe. The inadequacy of this method is best described in the following example: suppose person A is repeatedly hitting person B on his toe with a hammer. According to orthodox research, the impact would be perfectly tolerable; after all, the foot is not hit continuously (i.e. there are brief recuperation phases between hits) and the impact is averaged in proportion to time exposure.

Scientists of note can no longer afford to ignore biological reality. This assertion is evidenced by the fact that orthodox scientists must differentiate between “adverse health effects” and “biological effects, which, according to present findings, cannot be linked to adverse health effects”. A purely “biological effect” – which, in its initial stage, does

not produce any visible adverse health effects – may under different conditions (pre-existing defects, duration of impact, diversity of stimuli) very well trigger extremely serious adverse health effects. Orthodox pathology can no longer fully appreciate the complexity of many diseases of our time and hence categorize them using past practices. Obviously, the scope of definition applied up to now to define the term disease is becoming increasingly inadequate and ought urgently to be adapted, amended and completed to reflect present standards. ES, chronic fatigue syndrome, multiple allergies, numerous complaints caused by environmental pollution such as multiple chemical disorder (MCD), slow virus infection, fibromyalgia and many other health problems are a harsh reality for millions of people the world over. Instead of duly acknowledging this reality, orthodox science prefers to turn its back on it in return for grant funding.

Any serious and dedicated private researcher without so much as an academic title stands little of a chance, if any, to see his findings published. His committed work will go unnoticed by orthodox science to whose dictates bow even the SSK (Strahlenschutzkommission; commission for radiation protection, a government authority), who consequently refuse to acknowledge any research papers unless they have been duly published in advance in peer-reviewed media. The following is an excerpt from the above mentioned SSK recommendation: *“The quality of a research paper is determined on the basis if the paper has been published in acclaimed, peer-reviewed journals.”* Having thus been precluded once and for all from the illustrious scientific circle, the point is made: any and all research projects which cannot be independently reproduced will continue to be rejected. Unless the “minimum requirements pertaining to objectivity and reproducibility“ are met, any private researcher, regardless of his good intentions and integrity, will mercilessly fall by the wayside. It is my firm belief that orthodox science would gain a much better appreciation with regards to subtle energies if it was willing to take off the blinkers and allow itself to also embrace those phenomena which cannot be produced in equal measure by any given researcher, at any given place, at any given time. Unfortunately, the tremendous impact of physical phenomena on the bio-organism continues to be vehemently denied, despite the fact that medicine has known for millennia that the health of bio-organisms is influenced by climatic and geophysical conditions. Last century, it was discovered that these influences are directly linked to low-frequency and electromagnetic impulses, such as Schumann waves, geomagnetic waves, and sferics.¹⁵ Most scientists, however, merely scoff at any related research, explaining condescendingly that is unverified and hypothetical. The libraries of the world are full of scientific and medical reports discriminating and rejecting theories which in many cases have come to be regarded as the very foundation of modern physics and medicine. Orthodox science’s stance on esmog research is succinct and straightforward: non-thermic effects that have been caused by resonance phenomena cannot be confirmed to date. At the end of the day, this statement can be likened to an affidavit and it speaks volumes about orthodox science’s integrity and the methods it applies to conduct esmog “research”.



PART III

In this section, the reader will be introduced, for the very first time, to a state-of-the-art technology I developed and called iHIT®™ (which is an acronym for inverted harmon-

¹⁵ ‘Sferics’ is a jargon term for radio signals induced by lightning which first appeared around 1940, though the strange noises had first been heard by German physicist Heinrich Barkhausen during World War I.

ized information technology). The basis for the development of this unique and acclaimed technology was my appreciation of natural science, which states that not everything can be measured or weighed at this time and that the “real action” was actually happening in the realm of subtle energies (this view is in stark contrast to the concept expounded by the establishment). In the Far East, this notion is common knowledge and quite naturally applied on a daily basis.

Many traditional Eastern medicine systems are familiar with the concept of „life energy“, which is the very energy animating the material body. Aside from activating the material processes in the bio-organism, this life energy – also referred to as “chi” in China and “prana” in India; other terms include “od”, “odem”, “mana” and “orgon” – also controls the body’s biochemical processes. Until recently life energy was a matter of faith, or rather of experience, whether or not people believed in its existence since there was no way for this energy to be measured by conventional methods. At this juncture, life energy, which is also known as subtle energy, has been defined as “non-electromagnetic fields of physical as well as unknown nature”. In the meantime, a large number of top-notch scientists the world over have turned towards this scientific borderland.

Noted scientists like Albert Einstein and Max Planck have long suspected the existence of subtle, non-material realms and some 20 years ago their speculations were finally confirmed. However, the first person to ever describe and mathematically prove their existence was German physicist Burkhard Heim (1925-2001) in his scientific paper entitled “*Unified Quantum Field Theory, Extended*” (Erweiterte einheitliche Quantenfeldtheorie).

Although Heim’s paper is very challenging, his thesis has become the basis for my thoughts and ideas and, eventually, for my own work since it was packed with the scientific proof I urgently required. Moreover, Heim’s paper gave me the reasons why I had been unsuccessful in my attempts to develop a measuring system which would allow me to record and make visible bioenergetic processes. This was an extremely important realization. Even though I had invested a considerable amount of time in developing said measuring system, Heim’s work made it clear to me why I had to fail in my endeavors. In one of his other works (entitled „*Strukturen der physikalischen Welt und ihrer nichtmateriellen Seite*“ [Structures of the Physical World and its Non-Material Side], co-authored with **Walter Dröschler** and published in 1996), Heim mathematically proved the existence of 12 dimensions, with the first six dimensions being of a material / physical nature and the remaining six dimensions being of an immaterial / information nature.

The effects of information on the bio-organism, however, are not to be found in the first set of dimensions x_1 to x_6 (this dimension exclusively pertaining to the material-physical realm) but rather in the second set of dimensions x_7 to x_{12} . Logic dictates that measurements by way of instruments currently applied by orthodox physics or orthodox chemistry are doomed to failure from the start. Measuring information can only be accomplished by measuring devices designed to take into account the existence of biological systems – and it is exactly those instruments orthodox science has stigmatized as being “unscientific”.¹⁶ Heim’s work amply and scientifically corroborated my theories

¹⁶ Let’s briefly call back to mind the example of three-dimensional person X and two-dimensional person Y. Quantum and biophysics differ from mechanical physics in a similar way, with the latter dealing with the examination of conditions and appearances of „dead matter”, applying measuring devices designed specifically for that purpose. Quantum and biophysics, on the other hand, deal with living matter, its potential, energetic correlations, and reciprocity / interdependency. This fact explains why measuring devices must be combined with biological systems in order to obtain results pertaining to changes on a quantum scale. By way of these bioenergetic measurements I was able to obtain, on a regular basis, excellent results with my patients.

pertaining to subtle energies / bioenergetic fields; furthermore, all mathematical calculations suggested by Heim and Dröschler had been verified by computers and agree completely with their values, down to the last decimal place (see DESY [Deutsches Elektronen-Synchrotron]). Backed by this solid basis, I was now in a position to move ahead with my medical and physical research much more efficiently.

By now I had gained a more profound appreciation of what causes esmog stress, its related symptoms and potential therapy resistance. This was the perfect time to put my theories into practice. However, an endeavor of this kind will only be successful unless and until there is a substantial pool of knowledge in the fields of medicine and physics for any researcher to draw from. First of all, I had to develop a method and produce devices to electronically record any energetic changes the body experiences when under stress. Next, I needed to develop a method and produce devices to modulate this electronically saved data onto carrier substances following which I needed to find suitable carrier substances which would allow for the data/information to lastingly be modulated onto instead of degrading shortly afterwards.

In line with best scientific practices, all forms of prevention must be addressed and studied. With regard to iHIT®™, primary prevention which entails minimizing exposure is addressed. In addition, iHIT®™ addresses secondary prevention by not producing any symptoms in the first place, and eventually, tertiary prevention which involves correction, rehabilitation, support is made redundant.¹⁷

With this momentous groundwork laid, I proceeded with elaborate test runs on several of my products. However, I was soon to discover that, contrary to my theories, it was impossible to build a “universal product” since a universal concept would not produce any positive results in the test subjects. Based on these findings, new studies involving differing frequency ranges had to be conducted on my test subjects, the results of which allowed me to develop the range of products available in their current, final stage. Eventually, a series of double blind studies was conducted on these sophisticated products in my clinic. After word of my therapy successes had begun to circulate around Germany, discussions were established with an independent author in order to obtain unequivocal third party accreditation that my iHIT®™ did indeed work to the benefit of mankind. A series of international studies were subsequently arranged independently involving other independent parties, which confirmed my results, on all counts.

These studies include:

- University study, University of South Australia, September 2004, Australia, <http://www.australianstudy.blogspot.com>;
- GDV International GmbH by Dr Roberto A. Boschi †, Switzerland by way of **Gas-Discharge-Visualisation** according to Prof Korotkov;
- Darkfield microscopy according to Enderlein by Prof Dr med.habil Dr Dr Karl J. Probst, MD, Germany;
- Hado-Labor Europe (water crystal research according to Dr Masaru Emoto), Liechtenstein;
- Dr Veronika Löhnert, MD, Independent Research Center, radiaesthetic evaluations, Vienna, Austria;
- ETAScan, non-invasive evaluations by IFBIO: Institute for Bioenergetics, Vienna, Austria;
- D-F-M (diagnosis for functional medicine), analogous to EEG and EKG evaluations, Germany;
- Viktor Vitalpoint Diagnostics, analogous to evaluations using the Prognos de-

¹⁷ These statements can be empirically verified using any quality non-invasive diagnostic device.

- vice, Germany;
- Kinesiology tests, Naturopathic and Allergy Treatment Center Friedrichshöhe, Germany;
 - Dr Tania Rivkina, a natural doctor (qualified in medicine in Russia) and an expert in bioresonance attempted further double blind studies using her IMEDIS diagnostic device but she was unable to establish a control group owing to the exceptionally high background or ambient levels of esmog, Italy.



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Further scientific studies corroborating the extraordinary results obtained by the above independent tests cannot be added, due to the fact that control groups can longer be found. Should others want to perform additional tests, they would only

prove a point already sufficiently made. To date, my research and development projects have been exclusively privately funded (by myself), setting me back by approximately US\$ 1.2 million. Independent testing was funded by others who are not the subject of this paper. Actually, there is no need for anyone to incur more costs, particularly in view of the fact that the current results cannot be further optimized in the first place.

When I first started out to investigate the subject of esmog over 20 years ago, I had no idea of the degree of rejection, ignorance and ridicule I was to encounter on my journey, particularly on the part of orthodox science. However, none of this was really new to me: I had had my fair share of controversy, scorn and animosity while running my clinic, enduring all kinds of unfounded attacks and allegations because to this day, alternative medicine and its amazing results keep being wrongly decried as “placebo”.

In his famous speech of August 28, 1963, Dr Martin Luther King said that he had a dream, talking about his visions of the future. During the years, I, too, have developed a vision and a dream. I have a dream...

- ✚ ...for scientists of all faculties to join forces in an effort to conduct independent research without any industry interference whatsoever;
- ✚ ...for industry to rearrange its list of priorities, putting the wellbeing of people first, and profit second;
- ✚ ...for established scientists conducting research in scientific borderlands to no longer see their reputation compromised;
- ✚ ...for private researchers, even if they do not hold an academic title, to be given the opportunity to publish their findings in peer-reviewed literature.

In closing, I should like to quote Albert Einstein:

**„What dismal times when it should be easier
to shatter an atom than prejudice.”**

Sarasota, February/March 2007

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For more thought-provoking concepts and theories on new world awareness, please refer to the following literature:

Theory on Biophotons (Fritz A Popp)
The Geometrically Quantised Field Theory (Burkhard Heim)
Biogravitational Theory (Alexander P Dubrov)
Supergravitational Theory (several physicists)

Scalar waves (Thomas E Bearden)
Superstring Theory (several physicists)
Quantum Geometrodynamics (John Archibald Wheeler)
Theory of Morphogenetic Fields (Rupert Sheldrake)
Super Deterministic Quantum Theory/Implicit Order (David Bohm)
Projective Geometry (Adams, Locher-Ernst, Lehr)