



THE MEANINGFULNESS
OF
NATURE-RELATED RADIATION
FORMS AND RESULTING
NEW TECHNOLOGIES

Florian M. König

2004 US Dissertation including Research Updates 2021

THE MEANINGFULNESS OF NATURE-RELATED RADIATION FORMS AND RESULTING NEW TECHNOLOGIES

BOOK'S BACKGROUND & ORIGINAL DISSERTATION TITLE:

AUDIO SPECTRUM ANALYSIS OF NATURAL
ALTERNATING FIELDS IN THE ATMOSPHERE
AND SOME UNANTICIPATED RESULTS (2004)

A DISSERTATION
PRESENTED TO THE FACULTY OF THE
VASILE GOLDIS WESTERN UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF SCIENCE IN PHYSICS ENGINEERING (2004)

By
Florian Meinhard König
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In German - Hinweis & Anmerkung des Autors: Die Grundlage dieses Buches war und ist mein US-Dissertation (2004), die zunächst als Buch in 2005 (ISBN 978-3-89539-712-7) veröffentlicht wurde und nun nach den vielen Jahren durch ergangene, zahlreiche Forschungsaktivitäten und Studien umeditiert sowie insbesondere mit vielen neuen Erkenntnissen ergänzt wurde. Dazu trägt auch motivatorisch bei, dass eine seinerzeit vor 20 Jahren bereits präsentierte, sferics-basierte Technologie damals zu futuristisch war und jetzt reif für eine „bio-konformere Zukunft“ ist.

Alle Rechte der Verbreitung, auch durch Radio/Funk, Fernsehen, Multimedia im WEB, fotomechanische Wiedergabe, Tonträger jeder Art und auszugsweiser Nachdruck, sind vorbehalten.



Introduction pictures (Part I from two Parts; see 5 p. later): Some some photos at essential moments or in times after the doctoral thesis, which were intensiuvely in 2002 at Lido Degli Estensi (Ferrara / Italy; the first foto left side: Preparations to start registrations of Sferics/Technics alternating fields). So later 2004 made at extra-ordinary atmospheric fields recordings; for example, the legendary “fair-weather” condition record on the Canary Island of La Palma on 03/15/2008 (above right side). Or a huge thunderstorm front in August 2006 came (Gilching / Starnberg / southern Germany) and futher sferics / tecnicos recordings before the onset of winter (black cloud wall visible in the background) in January 2015 on Ammersee in Bavaria / Germany (see two foto's 5 pages later).

ABSTRACT

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AUDIO SPECTRUM ANALYSIS OF NATURAL ALTERNATING FIELDS IN THE ATMOSPHERE AND SOME UNANTICIPATED RESULTS

Florian Meinhard König, D.Sc.

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Weather processes correlate with electromagnetic alternating ELF/VLF fields. Specifically, this refers to horizontal and vertical air movements noticed as discharges. Numerous biophysical and electrophysical processes are directly influenced by such so-called atmospheric or sferics (AIS).

Herewith were studied the sferics at various locations around the world, using portable recording equipment. Spectrum analysis was performed later, with a three-dimensional display mode. It was desired to extract and model recordings matching weather conditions known to be healthful and pleasant. During individual recordings of AIS, nearby persons were interviewed daily. Later, a pilot blind study was performed, involving 29 persons. They were exposed to sferics and technics alternating fields, and freely expressed how they felt at the moment. The result demonstrates clearly that beneficial weather (high-pressure areas) evokes the most positive statements. Beneficial weather was described as "pleasant." The significance of the result was very high, namely 96%. However, negative comments were made about weather situations ranging from foehn and the sudden onset of cold air to mixed fields with technics.

Further, a biomedical PROGNOST™ test developed for space exploration was successfully administered to four test persons. It underscored the obtained results.

ABSTRACT

It should be emphasized also that a high degree of statistical significance was obtained between sferics/weather and technics (OMEGA signals) situations on the one hand and related signal structures and frequencies on the other. Specifically, these correlations are as follows:

- Omega signals or sferics or AIS at a frequency of 12 kHz or 12.5 kHz correlate with stimulating, animating, irritated, aggressive weather, such as foehn as well as with an imminent or existing sudden weather deterioration caused by the influx of cold air, etc.;
- Omega signals or sferics or AIS at a frequency of 15 kHz correlate with an existing, dominant or nearby low-pressure system as well as with a feeling best described as tired, relaxed/calm, worn out, depressive; and
- broadband, atmospheric pulse curves (from approx. 1 kHz to greater than 18 kHz, relative to the main intensity) correlate with a relaxing-pleasant, calmingly-neutral high-pressure weather situation or meteorologically more uniform weather phenomena.

In addition, an unexpected model was obtained, in the form of a mathematical function, which makes it possible to locate the epicenter of an earthquake before it occurs. Numerous ULF abnormalities were analyzed (sferics signals which periodically dropped out) in 3-D spectrograms, which the related distance could be derived. A conspicuous example occurred before the major earthquake in Afghanistan on 3/25/2002.

The essential task of this work, namely to acquire beneficial-weather sferics, has been accomplished and is available de facto as a series of analyzed audio sound recordings. The sferics were found in long-term high-pressure weather systems which have just been formed or which are in the process of being formed.

At present, major issues concerning how to administer sferics are open. It is recommended that these issues be resolved in additional studies.

Additionally, new investigations results starting in 2007 and mainly published in 2014 are presented as first main steps in the chapter **Appendix** <> “Evidences: A portable beneficial weather field transmitter causes spontaneous positive physical reactions”. More details are presented at www.meteorosensitivity.com, www.sferics.eu as well at www.wellcans.com or www.fk-e.de/sferics_en.html including peer reviewed papers in 2019.

BIOGRAPHICAL SKETCH

This work resulted from years of professional work in the fields of acoustics and telecommunications and parallel with alternatingly influencing, atmospheric earth climates.

Free, unconventional thinking was required for this work; I wish to thank my parents for teaching me this. My mother, Christl Erika Susi, is a musician who remained unrecognized in the chaos of WWII.

My father, Herbert Leonhard König, studied the Schumann resonances by his dissertation 1958 at the “Technische Universität München” as a university professor until 1990. He passed away in 1996; I wish to view this work as a scientific continuation of his own technical thinking.

On the other hand, there were many hindrances in my life that had a lasting effect. As an example, I had a serious accident on 4/18/1971, which gave me the opportunity to have a so-called out-of-body experience. This gave me a suddenly changed, from then on rather atypical childhood with a lot of consequences due to a resulting general hyper-sensitivity. For instance, my neural nervous system reacted much more sensitively to all environmental stimuli. This not only included the fact that I, for example, “felt” or predicted earthquakes many hours in advance in the seventies and eighties in the last century, but also my extreme hearing sensitivity (sensations up to 23 kHz), which brought me to surround sound acoustics from 1988 to 2008 and to a (spatial reproduction of sound) headphone company founded in December 1990; today as **www.ultrasone.com** known for high-end and pro-audio.

At least is to point out, that this upper mentioned resulting general hyper-sensitivity gave me a “neuronal signal input” to compare the near-field environments with / without artificial electro-magnetic fields and related impact effects. The beach of “Lido Degli Estensi (Prov. Ferrara, Italy) offered me a strange “better respiration” near to the sand ground after 1971, so lying, instead of standing (later found: a radio / naval tower). This curious sensations or perceptions motivated my realized first empirical blind tests (discretely only done by my self) to find out the triggering cause of a so-called “Elektrosmog” (in German) or “electro-mag”.

DEDICATIONS

Dedicated at first to my children

Anja and Svenja in moments when I cannot be with them.

Secondly to my mother Christl and father Herbert L. König (Prof. Dr.-Ing. Em. of the Technical University Munich / Germany). They show me an interdisciplinary nature-related life sense and how to use technology to sustainably conserve natural resources.

Third my brother Christian; he was and is a main part of “our” scientific daily living discussions until now (March 2021); hint seeing a related correlation to "weather sensibility" or www.meteorosensitivity.com. Mainly around 2012 to 2014 we realized a scientific study in the use of sferics by observed meteorosensitivity discomforts of people. Important links to scientific publications at the <https://japanjournalofmedicine.com/> are mentioned directly at www.fk-e.de/sferics_en.html; see papers no. 2019; 2 (3): 363-374 (sferics & meteorosensitivity study report results) and papers no. 2019; 2 (4): 382-388 and 2019; 2 (4): 394-401 (title “An Inherent Holistic Modeling of Human Meteorosensitivity”).

Extraordinary author’s notice in 2021: The explained situations after 1971 (see “Biographical sketch”) affect my life until now. An essential result of this is that I try to accept people as differently sensitive beings as they are. And that there are things in the universe that, according to an “ordinary textbook physics”, often cannot (yet) be described, i.e. science still has to create knowledge.

So, it is not surprising that I only withdrew but began 26 years ago to go public with special systems against the daily, man-made technical electromagnetic radiation impact in the low-high frequency range. From these passive systems were developed (patent applied), which "effectively neutralize" this electrosmog impact. In May 2016 the "Bavarian State Ministry for Economics & Technology" (South German State) sponsored my most actual scientific investigations; the original award document is to find at the last page of this book. Besides, probably the electrotechnical and physics background (or how it works) of so-called MHR & SHLS devices was peer reviewed published in 2017 to 2020.

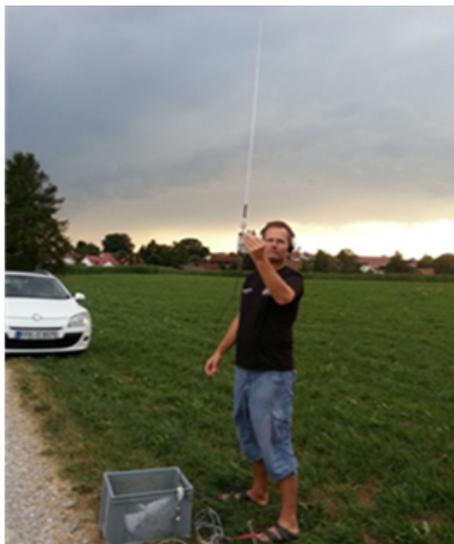
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With sympathy, I think about the support provided by my brother, Christian, who was involved in laying the foundation of my professional life.

Further, I am thankful to my wife Dagmar for the experience of being her husband and the father of our two children, Anja and Svenja. Other relationships with those whom I know have opened my eyes. Particularly many thanks to Anita Gerisch (FFB / Germany); "all kinds of things are possible with a calm soul".

At this point, I wish to mention estimable professionals, including Werner Hengstenberg, Dipl.-Ing. Hans Baumer, Dipl.-Met. Walter Sönning, Prof. Dr.-Ing. Siegfried Steinberger and Dr. Reinhold Martin (patent attorney in Munich), who have given me support with fruitful discussions, advice and assistance.

This would not have been possible had I not found a triumvirate until 2008 with my ex-colleagues Manfred Hartmann † and (Jens-) Michael Willberg (www.ultrasone.com). Finally, I wish to thank Mr. David Burkhart (Munich, www.us-english.de) within the framework of the translation work. He expressed the intent of this "work" in words for speakers of the English language. And finally "Irena Joy (Booth, WS / USA)" supported me around 2013 to re-edit this books content newly.



Introduction pictures (Part II): During EMF recordings at particular pre-thunderstorm moments in August 2006 (left side) and before an onset of winter in January 2015 at the Ammersee (Germany).

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PREFACE

In our highly technical time, we are surrounded by electrical processes which use computer-supported technology. These processes influence the lives of people and nature.

Perhaps it is significant whether this takes place in transportable devices or anchored in the ground or in the air – especially since only in the past one-hundred years have we been able to adapt to this biologically-genetically.

We are familiar with how fast such adaptations can occur during the evolution of life on our planet Earth. However, this does not apply with regard to synthetic influences, such as electromagnetic waves generated by humans.

On the other hand, the question arises: Starting at what point can something considered to be synthetic, when something was created by inhabitants of our planet? Hence, one-hundred years for a certain development would initially seem to be too short. Thus, the next question is what has happened with us humans during this time; and to what extent has the technical revolution meant more than luxury, comfortable living, a longer life with superior medical care.

Long-term studies [1, 2] verify that human mortality has increased in the second half of the twentieth century, with regard to certain kinds of cancer.

This is not the place to analyze the details of this issue. Unclear, complex factors probably play a role; they presumably apply on a case-by-case basis and cannot be generalized.

Further, the structure of natural fields is usually different than human accomplishments or even more complicated.

Ultimately, we always have the option of imitating natural phenomena or copying something for "beneficial" purposes.

Perhaps this work can throw some light on the meaning of these statements.

A general note on this work: In the following text, all figures and illustrations were numbered chronologically for each chapter. That makes it easier to compare technical illustrations in context; however, this deviates from the contentual sequence.

**THE MEANINGFULNESS OF
NATURE-RELATED
RADIATION FORMS AND
RESULTING NEW
TECHNOLOGIES**

The Main Research Basics:

**Audio spectrum analysis of
natural alternating fields in the
atmosphere and some
unanticipated results**

Chapter 1

Introduction and electrophysical basics

Humankind has always dealt with nature and its surprising properties. The processes of nature were often understood in a mystical sense. It has proven possible to create models of many effects, which in earlier times were interpreted supernaturally and hence to describe or reconstruct them. Nature often provides superior solutions, and people use this as orientation. This insight plays a significant role in the results documented in this work. For several months, investigations were made of the weather, meteorological phenomena, their properties and effects on people, and of helpful information concealed in these phenomena.

Since prehistoric times, people have presumed and scientists have shown that "weather" involves more than merely air pressure, humidity and temperature. A dramatic demonstration of this is the spectacle of lightning. During thunderstorms, they reveal an entirely different picture of the atmosphere, namely varying atmospheric electricity. The atmosphere is not merely static. Rather, it is affected by dynamic processes, known internationally as atmospherics or sferics or AIS (atmospheric discharge radiation). For more than thirty years, scientists and others have dealt with the sferics, as they have more influence than people would like (the issue of printing techniques will be discussed below). Sferics can even be heard, by converting the electromagnetic energy to acoustic fields. Thus, this discussion will deal with **electrophysical processes with equations, magnitudes and units**, which are summarized in the following overview:

Frequency

f = oscillations per second [Hz]; $\text{Hz} = 1/\text{s}$ ($\text{s} = \text{second}$)

Main frequency ranges (radio defined)

- **ULF** = ultra low frequency (range: 0,01 Hz - 1 Hz)