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Health Implications of Long-term Exposure to Electrosmog

From: Kompetenzinitiative e.V. <Sekretariat@kompetenzinitiative.net>
 To: garyvesperman@yahoo.com
 Sent: Friday, September 9, 2016 1:10 AM
 Subject: Mobilfunk-Diskussion: EUROPAEM EMF Guideline 2016

(Excerpt:)

Physicians are increasingly confronted with health problems from unidentified causes. Studies, empirical observations, and patient reports clearly indicate interactions between EMF exposure and health problems ...

MEDICINE

Health Implications of Long-term Exposure to Electrosmog

Karl Hecht's review of the Russian research is published now in English translation: Health Implications of Longterm Exposure to Electrosmog (German edition 2012).

(Excerpt:)

The review findings by Karl Hecht – which disappeared into the government archives as soon as they had been submitted and which we are now making available to the public in this brochure in its most comprehensive form to date – are based on the assessment of 878 Russian studies between 1960 and 1997 ... >>>

About Karl Hecht's brochure

“The information provided in this brochure makes clear that short-term studies cannot answer any questions regarding long-term risks. The current exposure limits, which we mostly owe to the physics way of thinking, are a scientific anachronism. Furthermore, by using the concrete example of a research review, it is shown how the authorities have ignored and continue to ignore that which is important for public health and a sustainable future, but would be contrary to economic interests.” (from the Summary)

"It is astonishing to see that the proponents of thermal effects of electromagnetic fields have learned nothing new over the last 40 years. The incorrect concept affects European and US exposure limits, which cannot claim to provide protection. It affects research projects that only conduct short-term studies. It affects policies that claim safety where a warning would be in order. And it also affects the administration of justice when incorrect judgments are passed – which the court is forced to do within the currently valid legal framework." (from Chapter 5)

The English translation of Karl Hecht's 64 pages long brochure is linked at http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/07/KI_Brochure-6_K_Hecht_web.pdf

"EUROPAEM EMF Guideline 2016 for the prevention, diagnosis and treatment of EMF-related health problems and illnesses" is linked at <http://www.stralskyddsstiftelsen.se/wp-content/uploads/2016/07/EUROPAEM-EMF-Guideline-2016-for-the-prevention-diagnosis-and-treatment-of-EMF-related-health-problems-and-illnesses.pdf>

European Union's "COUNCIL RECOMMENDATION of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)" is linked at <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:1999:199:0059:0070:EN:PDF>

Spanish report on electrosensitivity is linked at <http://www.lavanguardia.com/vida/20160802/403624742652/electrohipersensibilidad-sindrome-neurologico-prestacion-por-incapacidad.html>.

French report on dangers of radio frequencies is linked at http://www.lemonde.fr/sante/article/2016/07/08/alerte-sur-les-dangers-des-radiofrequences-pour-les-enfants_4965884_1651302.html?xtmc=portables_enfants&xtcr=1.

German report on electrosmog is linked at <http://www.strahlentelex.de/aktuell.htm>.

"Thank You for Calling in Deutschland" is linked at <http://kompetenzinitiative.net/KIT/KIT/thank-you-for-calling-in-deutschland/>.

German report from Austria is linked at <https://www.aktion21-austria.at/content/liebe-mitglieder-und-sympathisanten>

Actions of the European Commission regarding electromagnetic health effects and recommendations are linked at http://ec.europa.eu/health/electromagnetic_fields/eu_actions/index_en.htm

The following is linked at <http://kompetenzinitiative.net/KIT/KIT/english-brochures/>:

In December 2007, the Competence Initiative for the Protection of Humanity, Environment and Democracy has started its brochure series Effects of Wireless Communication Technologies. First translations of the brochures of the above-mentioned series are also available online.

Based on a broad scientific body, the publications confirm the conclusion the BioInitiative Report (www.bioinitiative.org) came to in 2012: Overloading the biophysical organization of life with zillions of artificially generated electromagnetic fields is one of the most dangerous aberrations of our time. For the sake of shortsighted economic interests and outdated technological solutions, the democratic constitutional state affords a technical and economic policy that can neither be reconciled with its responsibility for precaution nor with the currently valid fundamental and protective rights of its citizens.

With our print and online publications, we strive not only to show what risks and health impacts are known to independent researchers. We also would like to draw your attention to the social consequences when the truth and humans are treated with disregard.

The Series is published by

Prof. Dr. rer. nat. Klaus Buchner, Bernd Irmfrid Budzinski, Dr. med. Horst Eger, Dr. med. Markus Kern, Prof. Dr. phil. Karl Richter, Dr. rer. nat. Ulrich Warnke

Karl Hecht's brochure is already linked above.

Bees, Birds and Mankind – Destroying Nature by ‘Electrosmog’

Bees, Birds and Mankind

Destroying Nature by ‘Electrosmog’

Ulrich Warnke

The bio-scientist Ulrich Warnke is more familiar with nature's electromagnetic housekeeping than most. In this paper, he shows how wise and sensitive nature was about using electrical and magnetic fields in the creation of life [...]

Warnke's 47 pages long brochure is linked at

http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki_beesbirdsandmankind_screen.pdf

How Susceptible Are Genes to Mobile Phone Radiation?

How Susceptible Are Genes to Mobile Phone Radiation?

State of the Research – Endorsements of Safety and Controversies – Self-Help Recommendations

With Articles by Franz Adlkofer, Igor Y. Belyaev, Karl Richter, Vladislav M. Shiroff

Since wireless technologies of mobile phones and other communication networks have become big business, we also find conflicting tendencies side by side. Our living environment is being swamped with electromagnetic fields that raise intensity levels and show a wide range of novel characteristics [...]

This 64 pages long brochure is linked at
http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki_howsusceptiblearegenes_screen.pdf

Radiation Protection in Conflict with Science

Radiation Protection in Conflict with Science

A Documentation

Franz Adlkofer and Karl Richter

The German Council of Science and Humanities Report on the Federal Office for Radiation Protection (BfS) from 2006 states that the appointment policy of this agency contradicts its founding mandate as the majority of the staff is composed of officials and employees without sufficient scientific background. It seems obvious that this lack of professional competence poses risks to the protection of public health [...]

This brochure is linked at
http://competence-initiative.net/KIT/wp-content/uploads/2014/09/broschuerenreihe_heft-5_eng_screen.pdf

The 64 pages long brochure is divided into five parts which are titled as follows:

- Part I: A Campaign to destroy scientific findings
- Part II: Scientific flaws in the German Telecommunication Research Programm
- Part III: Deceiving politicians and the public with wrong advice
- Part IV: The questionable treatment of citizens and their rights
- Outlook and concluding questions

Pandora Foundation

The following is linked at <http://www.pandora-foundation.eu/>.

Pandora Foundation

WELCOME

A public that assumes that laws and regulations in the area of environmental and health policies are in line with the current state of scientific knowledge is wrong. History teaches that, whenever economic interests are stake, it can take decades until scientific findings are acknowledged by politics and industry. Quite often the support of pseudo-research and the impediment of independent research both try to keep up the profitable status quo. Funds are granted preferably to compliant scientists with the right opinion, while independent scientists are slandered. It is the practice of institutional corruption that keeps the profits bubbling.

The Pandora Foundation works towards securing that the protection of men and nature is granted priority over the economic interests of politics and industry. For this the primacy of political and industrial institutions over scientific research has to be challenged. To reach the goal our Foundation seeks donations from citizens in Europe, who are no longer willing to accept the misuse of political or financial power. The donations will be used to support independent scientists for whom a search for the truth is more important than striving for immediate success and credits. Cases of obvious power misuse, which prove that independent research is necessary, will be documented. One example is the current handling of mobile phone radiation by politics and industry.

Dear fellow citizens, with your donation – forwarded to research without deduction – you can contribute to better inform the public about the risks of mobile phone radiation. For economic reasons and contrary to the state of knowledge these risks are strongly played down by politics and industry. In order to finally force politics to act independent science must continuously point to the risk of the people with novel research results. Yet, we can only succeed when we find sponsors, who out of social responsibility are ready to donate where politics and industry in an irresponsible manner refuse to do so.

The following report is linked at

<http://www.pandora-foundation.eu/archive/2016/report-from-the-science-and-wireless-2015.html>

Report from the Science and Wireless 2015
19.02.2106

Professor Dariusz Leszczynski, with the support from the Pandora Foundation and the Kompetenzinitiative, took part in the BioEM2015 in Asilomar, California, USA, and in the Science and Wireless 2015 in Melbourne, Australia. In his report from the BioEM2015 he criticizes mainly the lack of research with humans, which is imperative to find evidence of health risks from radiofrequency radiation, and the inability of science to find common ground when discussing controversial issues. The message from Australia goes far beyond this criticism. There they try to exclude critical science from the discussion. This is the message:

Nearly all scientific organizations dealing with radiation protection of the people, be it the set-up of safety standards or as government advisers worldwide, are under the control of the industry relying on scientists, who enjoy its special favor.

The priority goal of these scientists acting on behalf of the industry is obviously the correction of the decision by IARC, the agency for cancer research of the WHO, which in 2011 classified radiofrequency radiation as being “possibly cancerogenic”.

To pretend the validity of the current safety standards which are solely based on thermal effects they attempt to demonstrate with a fancifully, but unsubstantial hypothesis that the truly non-thermal effects of radiofrequency radiation on the EEG may in fact be a thermal one, because non-thermal effects do according to the safety standards not exist at all.

Ignoring the results of independent research, which clearly point to health risks from radiofrequency radiation, they insolently demand to stop research on radiofrequency radiation, because according to their view all research efforts until now did not get us any further despite the high costs.

Who in this situation still believes his health lies in good hands with the national radiation protection is probably beyond help. The full report is linked at
http://www.pandora-foundation.eu/downloads/pandora_dl_science-wireless-2015_eng.pdf

The following report in its entirety is linked at
<http://www.pandora-foundation.eu/archive/2015/report-from-the-bioem2015.html>

Report from the BioEM2015
15.12.2015

Just as last year, Professor Dariusz Leszczynski attended the annual BioEM meeting with support from the Pandora Foundation and the Competence Initiative. Leszczynski is among the researchers who have acquired international respect for scientific work on molecular biological effects of radiofrequency electromagnetic fields. But what distinguishes him the most is that he has placed ethics and morality above his career path. In his report on the BioEM2015, Leszczynski offers an insight into the current status of research. He demonstrates that a reliable judgement is still not possible on the potential risks of radiofrequency radiation on human health; he names the research approach that could achieve decisive progress, and criticizes the numerous wrong tracks that pretend to increase our knowledge of this subject.

The full report is linked at http://www.pandora-foundation.eu/downloads/bioem2015_report-_dl.pdf

1) Leszczynski's topics of interest:

a) Citing the IARC decision classifying radiofrequency radiation as "possibly carcinogenic", Leszczynski comes to the conclusion that measures following the precautionary principle and aiming to reduce human radiation exposure are indeed justified. Yet, he fears that these measures will not be implemented as long as they are not obligatory.

b) Leszczynski is convinced all studies performed thus far on electrohypersensitivity, which are quoted as proof against electromagnetic fields causing health disorders, are unsuitable in their approach to justify such conclusions. For him, the biggest obstacle to progress is the attitude of the scientists who obviously lack ideas for new research approaches.

c) Leszczynski also doubts the validity of epidemiological and human studies that measure mobile phone user's EMF exposure in minutes/day. Because of the very different radiation exposures that can be achieved in the same time period, this approach reduces the health risk of highly exposed persons— possibly even below the limit of detectability.

d) Despite Leszczynski's distinct criticism of a number of the presentations, attending the BioEM conferences can be beneficial. One example he cited was the excellent presentation by Raymond Neutra on the understanding of the mechanisms of EMF-effects with the title "A typology of EMF physical induction mechanisms".

2) Leszczynski feels that the BioEM conferences do not live up to their claim to be the annual top event for scientists working in the area. As he does not mention the reasons why, I would like to add:

a) In his contribution "Increasing Bias towards False Negative Replications?" in Bioelectromagnetics dated 18/01/2011, the former BEMS President Niels Kuster complains about the increasing culture of partisanship in science (biased scientific culture) at the BEMS. On another occasion he quite openly calls BEMS the society of negative results.

b) How right Kuster is has been demonstrated by the response of the audience at the BEMS2003 Conference in Maui, Hawaii, where the REFLEX-Consortium funded by the European Union – with Leszczynski and me as members – presented data on genotoxic effects of ELF- and RF-EMF. This presentation ended up in chaos amid great laughter by the audience, although the findings have since been replicated by other researchers.

c) As long as debates aim at avoiding defending the principles of science against industry complaisant ideas, they are without merit. That has been shown at the plenary sessions on the topics Precautionary Principle and Electrohypersensitivity at BioEM2015. They lost their meaning, as in the subsequent discussion no one tried to examine the contrary opinions in regard of their scientific value.

d) Leszczynski's justified wish that the authors of important epidemiological and animal studies present their results at the BioEM conferences for discussion and when possible, in the presence of representatives from ICNIRP, WHO, BioInitiative, etc. – although most welcome – will never come true. From the beginning it has been clear that the contrary opinions of the conference attendees on science, based on their different natures, cannot be overcome.

3) At the end, Leszczynski criticizes that at BioEM2015 a great number of bioelectromagnetic topics have been dealt with, but presentations on the biological effects of EMF directly on humans have been very few. It is his opinion, however, that it is nearly impossible without such investigations on human subjects to prove that EMF can cause physiological changes relevant for pathogenesis. Based on his professional experience, he suspects that research projects of this kind are undermined by the decision makers in policy and industry out of fear of the consequences. That his suspicion is correct may be exemplified by the following almost unbelievable incident.

After the EU-funded REFLEX Study which I coordinated ended in mid-2004, I prepared a REFLEX follow-up study together with another research consortium including Leszczynski's team, With the title "Potential health effects of mobile phone radiation in childhood and adolescence" (Acronym: MOPHORAD) it corresponds exactly with the topic Leszczynski missed so much at BioEM2015. On February 25, 2008, I submitted the grant application to the EU. On May 28, 2008, I received the result of the evaluation. With an excellent score of 12.5 out of a possible 15 funding was recommended. However, half a year later, on December 9, 2008, I was given notice from the Commission that MOPHORAD would not be funded.

What happened in the six months between evaluation and decision? Professor Alexander Lerchl from the private Jacobs University in Bremen, who worked for years in the interest of the mobile communication industry, obviously applied the emergency brakes to MOPHORAD. He did this by inventing the story that the results of the REFLEX Study, on which the new grant application was based, were obtained by data fabrication. With this smear campaign he indeed succeeded to prevent the funding of the highly evaluated MOPHORAD-Study. In recognition of his services, Lerchl was subsequently rewarded by the Government, which appointed him a member of the German Commission for Radiological Protection. This rapid rise in his career was followed seven years later by a similarly sudden fall. In spring 2015 he was sentenced by the Hamburg District Court because of defamation in connection with the REFLEX Study. However, he has not been punished for his real crime, the prevention of the MOPHORAD-Study.

Lectures from the Competence Initiative meeting September 2014

Lectures from the Competence Initiative meeting
September 2014

Three lectures at the Competence Initiative's meeting in April 2014 in Wuerzburg, Germany, provide evidence that the current protection of people from electromagnetic radiation is absolutely inadequate.

Lennart Hardell presents his most recent epidemiological data which allow the conclusion that the risk of brain tumors in long-term users of mobile and cordless phones is significantly increased. His full report is linked at http://www.pandora-foundation.eu/downloads/pandora-_ki-lecture-hardell-2014.pdf.

Michael Kundi explains why the health risk of children regularly using mobile phones in childhood and adolescence may be further increased due to their special anatomical and physiological properties. Kundi's full report is linked at http://www.pandora-foundation.eu/downloads/pandora_-_ki-lecture-kundi-2014.pdf.

In his historical review Franz Adlkofer illustrates how during the past sixty years the protection of people from electromagnetic radiation by their governments was essentially determined by political and economic interests. Adlkofer's full report is linked at http://www.pandora-foundation.eu/downloads/pandora_-_ki-lecture-adlkofer-2014.pdf.

Wi-Fi Adversely Affects Our Health

Wi-Fi adversely affects our Health

With the Freiburg Appeal, we- the undersigned physicians- went public for the first time in 2002. Based on our observations and experience as physicians, we strongly oppose the worldwide use of wireless communication technologies—irrespective of whether the applied electromagnetic fields are pulsed or not.

Over these last years, we have seen a rapid increase in the use of wireless Internet networks (WLAN or Wi-Fi) and we are very concerned about this development. These wireless hot spots can be found in many private homes, public buildings (e.g. schools, libraries, hospitals, hotels, airports, train stations), at Internet cafés, and in public places of big cities. International passenger trains are equipped with Wi-Fi. Companies can allow other companies or home offices to connect to their network. The full report is linked at <http://competence-initiative.net/KIT/wp-content/uploads/2014/09/wifi-warning-febr.-2013.pdf>.

Electromagnetic Hypersensitivity and Human Rights

Electromagnetic Hypersensitivity & Human Rights

Commentary to the European Economic and Social Committee by Isaac Jamieson PhD DIC RIBA ARB DipAAS BSc(Hons) Arch MinstP

This document is endorsed by: the Bio-Electromagnetic Research Initiative (BEMRI); the CAVI Society; the EM-Radiation Research Trust; Mast-Victims.org; the Physicians' Health Initiative for Radiation and Environment (PHIRE); Robin des Toits; the Safe Schools Information Technology Alliance (SSITA); and Verein für Elektrosensible und Mobilfunkgeschädigte.

The following is brief commentary on Human Rights, as related to electromagnetic hypersensitivity (EHS) and other conditions that may be affected as a result of exposure to manmade electromagnetic fields (EMFs). In this present work, relevant sections of the convention are indicated in the text below and their implications discussed.

It is intended that this commentary will be of benefit to policy makers, industry and members of the general public. The full report is linked at http://kompetenzinitiative.net/KIT/wp-content/uploads/2015/01/IAJ_EHS__Human_Rights_0141204.pdf.

Expert Conference on Cell Phones and Health: Science and Public Policy Questions

Expert Conference on Cell Phones and Health: Science and Public Policy Questions

Report on a U.S. Senate Hearing in Washington D.C. on September 14, 2009

By Franz Adlkofer

The U.S. Senate hearing on potential health effects from cell phone radiation for humans was suggested by Devra Davis, a professor at Pittsburgh University. It was to bring to the attention of the Senate the imbalance between the health-relevant interests of the public and the economic interests of the communications industry.

In her bestseller *The Secret History of the War on Cancer*, Devra Davis did convincingly describe how during the last hundred years national and international companies, usually with open or hidden support from politics, succeeded in many areas to push through their free-enterprise ideas at the costs of the public by distorting the respective developments in scientific research. In that way, millions of people worldwide did experience harm to life and limb. The Senate hearing was to prevent that this happens again in the area of cell phone communication. The full report is linked at

http://competence-initiative.net/KIT/wp-content/uploads/2014/09/Adlkofer_Washington-Hearing_en.pdf

Annual Meeting of BEMS & EBEA held in Ghent, Belgium on June 5 - 10, 2016

Dariusz Leszczynski reports for the Pandora Foundation and Competence Initiative from the BioEM 2016 in Ghent, Belgium on June 5-10, 2016.

(Excerpt:)

Only several topics presented at the BioEM 2016 are presented and discussed in this report ... Hot topic: the NTP study. The most anticipated event ... was the last moment addition of the presentation of the US NIEHS National Toxicology Program study on effects of cellphone radiation in rats and mice. The full report is linked at http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/07/BIOEM2016_Report-_DL_engl.pdf.

Burnout Syndrome Epidemic in Germany

The following abstract is linked at

http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/08/EHS_NuR_July_2016_Abtract.pdf.

The full report, in German, is linked at

http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/08/Budzinski_Hecht_NuR_Juli_2016.pdf

Abstract

The press, as well as radio and television have been reporting of a wave of sickness that sweeps through Germany. Millions of people complain of all kinds of nervous disorders and of a new common illness, called "burnout syndrome". Even though the term "epidemics" is used, there is no due search for the causes. Instead, these symptoms are attributed to "stress" and "imagination". The extent of these health complaints, however, which according to a survey in 2014 affected 82% of the population, defies such an explanation and points to a genuine cause.

Particularly the “burnout syndrome epidemic” with people having to take early retirement, as well as the huge number of depressions, sleep disorders and headaches (even among children) call for a systematic investigation. In doing so, all environmental factors need to be examined, in particular new technologies. The biggest change to the environment in recent decades has been the now ubiquitous radiofrequency radiation of mobile telephony. It penetrates everywhere 24 hours a day and reaches everybody. Therefore, it needs to be included. All the more, since there is sufficient scientific evidence to suggest that constant non-ionizing radiation is generally able to affect the central nervous system, as well. The epidemic-like spread of nervous symptoms has occurred at the same time as the roll-out of mobile telephony. Consequently, this could be largely interpreted as an indication of an electrosensitive irritation (Please also see Budzinski/Kühling, "White zones", free from mobile phone coverage – unrealistic or required by law? NvwZ 2014, 1410/1411 – also available in English and French)..

For this reason, the "fact sheet no. 296" of the WHO of 2005 is obviously out of date. It denies any such "genuine" effect of radiofrequency radiation below the legal limits and therefore consigns countless people to psychiatric care. In the case of further inaction on the part of public health bodies, environmental associations consequently need to plan legal action against the government, demanding precautionary regulations and protective measures.

1998 ICNIRP Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic and Electromagnetic fields (up to 300 GHz)

INTERNATIONAL COMMISSION ON NON-IONIZING RADIATION PROTECTION (ICNIRP)
PUBLICATION

1998 ICNIRP GUIDELINES FOR LIMITING EXPOSURE TO TIME-VARYING ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS (UP TO 300 GHZ)

This 34 pages long brochure is linked at <http://www.icnirp.org/cms/upload/publications/ICNIRPemfgdl.pdf>.