

ES Aware Day: June 11 2018

Plan what you can do. Ask your school, shops or library to Go Green and switch off wifi for the day. On June 11 2015, 15-year-old Jenny committed suicide after her school refused to let her work in a 'green' environment without wifi radiation.

Green Alert: still no safety limits for trees and wild-life

Tree damage from phone masts

The photographs (right) show increasing damage year by year to the same tree. Phone mast radiation comes from the left over the top of the building behind. The shielded parts of the tree, below the roof of the building and on the right behind other foliage, are still healthy.

The UK still lacks limits for this non-thermal damage. The ICNIRP heating limits are for only 6-minutes of thermal damage, irrelevant to trees and wild-life.

2013



2014



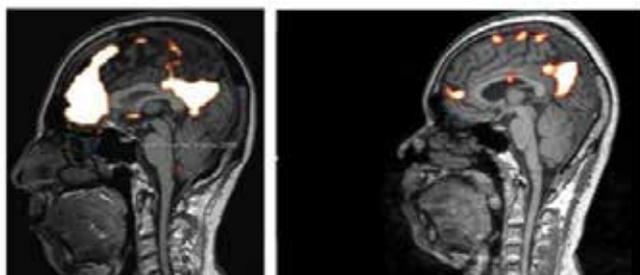
2015



2016



EHS proved again: 3d fMRI brain scans



EHS patient (left) has large white areas compared with control (right) (Heuser G et al, 2017).

ICNIRP/WHO: Choose your limits!

Since 2002 ICNIRP/WHO has advised people to choose either low long-term biological limits, or ICNIRP's high six-minute heating limits.

(1) 2002: ICNIRP said sensitive people should have limits below ICNIRP 6-minute heating limits.

(2) 2008: "The ICNIRP guidelines are neither mandatory prescriptions for safety, the 'last word' on the issue nor are they defensive walls for Industry or others." (Paolo Vecchia, ICNIRP chair 2004-12)

(3) 2016: Eric von Rongen, current ICNIRP chair, told people to choose either long-term biological limits like EUROPAEM 2016, or ICNIRP's heating limits. The UK's DH says it follows ICNIRP/WHO.

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June 11 2018: ES Aware Day

Debra Fry proposes that June 11 should be "ES Aware Day". On June 11 2015 her daughter, Jenny, aged 15, committed suicide. This was after Jenny's school followed advice from PHE, instead of the accurate information from the majority international scientists. Do plan action in your area. Suggestions include: "No Wifi Day" in schools and other places, "Leave your Smartphone at Home Day", "Say No to Smart Meters Day". Do let ES-UK know of your ideas and tell us what happens.

ES Social August 2017

The annual ES Social took place on Saturday, August 19 2107, at a farm in East Sussex. Several arrived on Friday night to camp out. More arrived on Saturday. The majority had attended in earlier years were able to catch up with old friends. A couple had met through the network and had found happiness together. Several remained on site to camp overnight and others left to camp elsewhere. ES-UK Trustee, Sarah Dacre, organises the annual Social to enable people who may feel alone with EHS to meet new friends in a relaxed setting. Many have expressed the need for friendship and a wider social network. If you would like to take responsibility for organising a local Social, please respond to media@es-uk.info or post a note to the BM Box. You will need a safe site with suitable facilities such as camping, well away from urban sprawl, free of pylons, WiMax and phone masts. People will travel several hours to meet and socialise and discuss what has helped them to live a fulfilling life.

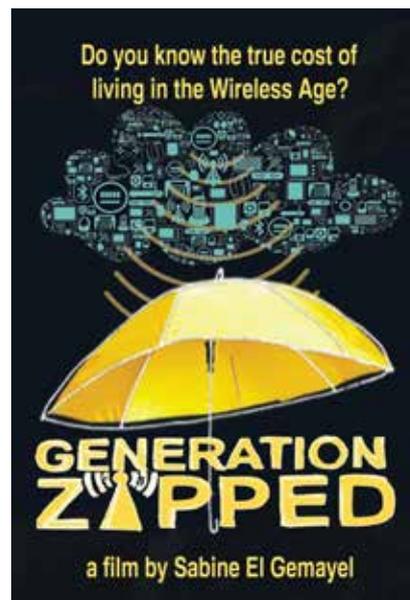
'Generation Zapped'

In October 2017 Sarah Dacre, a ES-UK Trustee, organised and paid for two screenings in East Sussex of "Generation Zapped". This is a new documentary produced in California, USA. It reveals the high cost of our addiction to digital devices and the health risks, especially for children and teens, from exposure to wireless radiation. Like cigarettes and toxic chemicals before, emerging science is revealing the concerning reality that some people may suffer health impacts from radiation from wireless devices. In GENERATION ZAPPED, scientists, physicians and health researchers discuss the mounting scientific evidence regarding links to serious diseases such as breast and brain cancer, associations with increased infertility, genetic mutations related to autism and ADHD and 'newly' developed illnesses, such as Electrical Hyper-sensitivity (EHS). The link to a 2 minute trailer:

www.youtube.com/watch?v=h7R4gKs8Vil For screenings see: <http://generationzapped.com>

Thank you to supporters, donors and letter-writers

Many thanks to all those who work so hard behind the scenes in supporting the charity and making generous gifts. And thank you to all those who keep writing to MPs, MEPs, and others who are not yet up to speed on the science which now shows that real EHS exists without any doubt. The safety standards of EUROPAEM 2016 are relevant to people with EHS and we continue to look to the government and PHE/ICNIRP to adopt them immediately.



Responses to Housing Consultation and Transport Accessibility Consultation

In November 2017 Michael Bevington submitted responses on behalf of ES-UK to government consultations on both housing needs and accessibility to transport by disabled people. There are copies on the ES-UK website under Submissions.

ES Conference: Sat. 12 May

A conference on May 12 2018 10am - 5pm in Sussex, with Prof. O Johansson, Dr D Panagopoulos and Dr G Carlo, with the documentary 'Generation Zapped': tickets £45 from Judy Sharp 01444 459 433, judysharp123@gmail.com

Housing Letter; 'Studies'

An open letter on housing is posted on the ES-UK website under Resources. It is aimed at the Gold Band or Urgent Tier for housing needs based on a long-term impairment and health needs. The 'Selected Studies' under Research has been updated to August 2017.

Complaint to PHSO about Public Health England's 'inaccurate' and 'unsafe' advice

The complaint, started in 2013, still continues. Although a 'final' report was sent to a few complainants, many did not receive this report. Diana, Michael and others have submitted lengthy reasons why this report was inadequate in that it did not address some fundamental issues of maladministration on the part of PHE, thereby making the report itself a case of maladministration by PHSO. PHSO lost track of some complainants but has now found a few more with Diana's help, bringing their list to a total of 85. Some others are still not accounted for, perhaps where an MP did not forward the complaint.

PHSO's Jonathan Roper has told Diana that they would begin looking at the requests for an internal review in early January 2018 after PHSO has taken on more staff. If PHSO does not accept the glaring instances of both PHE's and PHSO's maladministration so far, it will mean that all the 85 or more cases will not have been considered in detail at all, since apparently maladministration has to be accepted first. In this case the complaint process about PHE will have to continue in another format or start again, since PHE is still failing to give accurate and up-to-date advice and people are still suffering severely as a result.

The head of the PHSO was due to come before the House of Commons' Public Administration and Constitutional Affairs Committee on December 12 2017; Michael had submitted some comments. The Hillsborough disaster of 1989 took 20 years before an independent inquiry was established, and 28 years after the event prosecutions are still ongoing.

UK NEWS

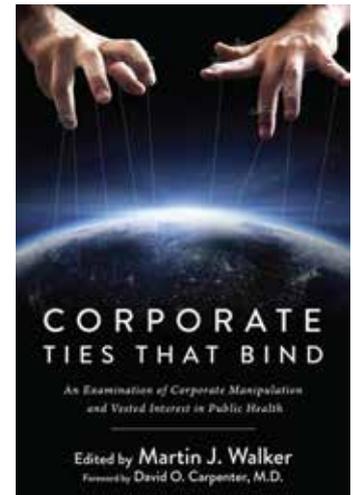
SSITA meeting October 2017

A group of 18 from SSITA met at Charlbury on Sunday October 1 2017. Discussion concerned how to help unaware people access what is now known about the dangers of Wifi and mobile phones. Attention focused on schools and children. We also explored the merits of a wider group and forming a political party. There were also reports on (i) the 4-year and ongoing PHSO complaint, (ii) reactions to ES-UK's excellent information poster, and (iii) the meeting in July on employment and EHS. It was almost exactly nine years after the Derby meeting which started SSITA and people were able to acknowledge how much had already been achieved, as well as how much remained to be done. Thanks to Diana for organisation and leadership, and to all the others involved.

"Corporate Ties That Bind"

This book (SkyHorse Publishing, 2017, ISBN: 978-1510711884; 550 pages) is "An Examination of Corporate Manipulation and Vested Interest in Public Health". The editor is Martin Walker, an expert in this area since 1990. There are 24 chapters on a wide range of issues, including general issues, like bad science, precautionary principles and perverted epidemiology, along with specific areas such as toxic chemicals, vaccinations, cancer, asbestos, silicosis and EM radiation. Christian Blom has contributed "Escaping Electrosensitivity", a detailed account of his experiences since he

developed EHS in 2003. Nicola Wright has contributed "Downplaying Radiation" which catalogues many of the battles over EM exposure with the ICNIRP, WHO, EMF Project and MTHR, and over IARC. Prof. Carpenter, in the forward, recalls that Benjamin Franklin, a founder of the USA, wrote in 1736: "An Ounce of Prevention is worth a Pound of Cure".



Suicide of EHS daughter: campaign to ban wifi from schools and NHS

Debbie Fry from the Cotswolds, whose teenage daughter, Jenny, aged 15, was driven to suicide in 2015 by Wi-Fi allergy was a speaker at Stroud about the dangers of radiation from wireless devices.

Mrs Fry said at the inquest that Jenny's life was made a misery as she had EHS - which meant she suffered from headaches, tiredness and bladder problems after being exposed to wireless connections at her School. The coroner recorded a narrative verdict on the cause of Jenny's death.

Mrs Fry is now on a mission to remove Wi-Fi

from all schools and the NHS. She said: "They are planning to put in something that makes the sick, sicker. There's some urgency to which the whole of the UK's population needs to be told this technology is not as safe as we are led to believe." Alan Cooke said radiation emitted from these devices damages cells within our body, potentially leading to diseases such as cancer and brain tumours: "If you are receiving wireless radiation over a period of time your cells will not repair - they will cause diseases. It's not just me saying it - it's top independent scientists and doctors. It's not something the Government wants to tell people about." Mr Cooke says phone companies tell users to hold their devices away from their bodies: "With smoking, the Government denied it until they couldn't deny it any longer. It was the same thing with asbestos. This is bigger - this is the next weapon." (Matt Discombe: "Mum claims 'Wi-Fi allergy' killed her daughter and says wireless internet should be removed from all schools" Gloucestershire Live, October 7 2017; Brittany Vonow: 'It makes the sick sicker' Mum claims 'Wi-Fi allergy' drove her daughter to suicide as she appeals for it be banned from schools and hospitals" The Sun, November 16 2017; Alex Matthews: "Mother who believes a 'Wi-Fi allergy' drove her 15-year-old daughter to kill herself urges the removal of wireless internet from schools across Britain" Daily Mail, November 16 2017)

Petition against 'Smart' Meters

Have you signed the petition yet? Smart meters use a class 2B human carcinogen.

<https://petition.parliament.uk/petitions/203867>

Quantum research at Bristol – major investment in non-thermal effects - catching up with EHS?

The University of Bristol has announced plans to establish the world's first open access Quantum Technologies Innovation Centre, focusing on taking quantum research from the lab and into the commercial world and positioning the UK as a global leader in the field. (Press Release: "£43 million investment to establish world's first Quantum Technologies Innovation Centre" November 7 2017)

Possible EHS-friendly office or workshop

"I live on a rural farm near Glastonbury which has very poor mobile phone reception and no wifi. There are no overhead power lines. An EHS friend tells me



that we are one of the few places that she can visit without suffering. I am creating a space for some offices and workshops." James Chapman. james@bartlettsfarm.co.uk



Peter Lloyd

The legal arguments over the help which Cardiff



City should be providing for Peter Lloyd have continued over the summer of 2017. Because Peter is limited to a wheel chair and cannot cope with EMF in a house. He has been living in a tent in the garden but is likely to be moved.

Smart phone iOS11 and Android do not turn off when 'turned off'

The new Control Centre in iOS 11, which appears to allow users to toggle settings such as turning off wifi and Bluetooth, does not actually turn them off completely. On iOS 11, pressing the wifi toggle disconnects from any wifi networks, but leaves the wireless radio available for use by location services, scanning for the names of nearby wifi access points. The Bluetooth toggle operates in a similar fashion. To turn off Bluetooth and wifi, users need to go to the Settings app and manually turn them off, which deactivates them until 5am the next morning, or use Airplane mode. A similar thing happens in Android smartphones, which use also wifi as part of their location services. (Samuel Gibbs: "iOS 11: toggling wifi and Bluetooth in Control Centre doesn't actually turn them off" The Guardian, September 21 2017)

READERS' COMMENTS

Writing to your Member of Parliament

Contributed by a supporter of ES-UK.

Last year I decided to write to my MP on the subject of Electrosensitivity and the need for stricter government safety limits for EM radiation. Many of you will have already written to your MP, but it would be helpful if more people could do so. If politicians receive many letters on this subject, they should start to take notice. I wrote my letter as an individual, but it would be even better if the letter-writing could be co-ordinated as a group action by any ES local support groups or networks out there. Your MP may be willing to meet a group of ES sufferers to discuss the issue, perhaps at a low EMF location such as somebody's house. It would be helpful if you could bring someone along like an electrical engineer sympathetic to the ES cause. They would be able to explain some of the technical issues in greater detail. When you write your letter to your MP it might be helpful to include some of the following information or comments:

1. Explain your own situation and how ES affects and restricts you. Perhaps you were forced to move house or leave your job.
2. Ask that the government starts to officially recognise ES as a real physical illness and disability.
3. Mention the need for stricter electromagnetic radiation limits based on taking into account sub-thermal effects on health.
4. Ask why the government is allowing the population to be exposed to a class 2B carcinogen (radiofrequency radiation) at harmful levels. Exposure levels are likely to increase further in the future if nothing is done.
5. You can ask that the government take on board the type of recommendations mentioned in the BioInitiative Report and give the link www.bioinitiative.org
6. You could also say that many of the current devices and technology systems waste electricity, for example non eco-plus DECT landline phones transmitting 24/7, needless town WiMax systems where there is already cable broadband and good mobile phone reception and plenty of places such as cafes offering wifi.
7. Discuss the fact that much of the government's policy on EMFs is in breach of

Disability Rights laws (see the current letter on Disability on the ES-UK website).

Other points you could make could be:

1. The extra costs to the NHS and Department of Work and Pensions caused by people being made ill, both in the short and long term, due to EMF pollution.
2. Problems you are having in accessing basic services such as medical appointments and public transport.
3. People with ES are actually finding it difficult to spend money because they have problems with things like going shopping, eating out and going on holiday, therefore they are not putting much money into the local/national economy.

These are just a few suggestions. You will think of ideas of your own. Avoid making the letter too long, or your MP won't have time to read it. Two pages of A4 are probably the limit. You won't be able to cover all the points I've mentioned. Just choose one or a few topics to cover. Keep the tone polite, yet assertive. Try not to be angry and confrontational or come across as being anti-technology.

I found it best to include some actual information rather than just mentioning references and websites to look up. People tend to forget to look up information or don't have the time, whereas if the information is laid out in front of them in a format that is easy to understand they tend to take it in. If politicians have the scientific evidence on the harm that EMFs can cause it is difficult for them to deny. The book "Overpowered" by Martin Blank, PhD, published by Seven Stories Press is an accessible overview of the science and politics surrounding the issue of EMF safety. You could also enclose some of the purple ES-UK information leaflets. Any diagrams, charts or leaflets which explain how mobile phone masts, wireless routers, DECT phones and other wireless devices work and how much radiation they emit could also be included.

Only one set of information is needed for each MP, but as many letters as possible can be sent by different constituents making reference to this information. Don't forget to keep a copy or photocopy of any letters you send and keep any replies you receive from your MP. People in Scotland can also write to their MSP and those in Wales can write to their Welsh Assembly Member.

Sad crisis in PHE/ICNIRP/WHO:

“damage to health and anti-science bias”

“The articles in the last Newsletter on the crisis in the minority clique which still dominates PHE, the ICNIRP and WHO, described as “A hard nut to crack”, make depressing reading.

- Why can't the UK government employ top quality scientists who are honest and on the side of the general population, and not supporting a few profit-dominated businesses?
- Isn't the health of the general population and of people with EHS more important, especially for organisations supposedly existing to promote health and not harm?
- Why should my taxes pay for such damage to my health and anti-science bias?”

Educate your local “Greens”

From a ‘Green’ reader:

Four major articles on EMF risks have appeared in *The Ecologist*, a top Green journal. But busy Greens may have missed them. If you can use a computer, Google “Wycherley” and “the ecologist.org” and the four articles appear. If you can spare a minute, do send the links or printouts of the articles to Greens, whether those in the national Green party (for emails see: www.greenparty.org.uk). Or your local Friends of the Earth / Green councillors / local Greenpeace etc.

Please encourage them to see that EMF pollution is a Green issue.

Remind them:

- (1) French Greens have passed a law to address it (“Electromagnetic Sobriety”),
- (2) wireless transmitters are one of the greatest energy-gobblers in today's homes – with high carbon costs,
- (3) new science showing risks and harm to humans and other species is growing rapidly – as the articles show.

ES dizziness for many on a rainy day?

“On the evening Monday September 18 2017 I felt typical ES symptoms, such as nausea and dizziness. It was a very damp, rainy day. Another family member, not hyper-sensitive, reported, very unusually, suddenly feeling dizzy late that afternoon. When this person consulted the doctor, the doctor replied that, unusually, they had had many other people reporting similar symptoms that day.”

Fish and chips with EMFs

Ray writes:

“Has this happened to you? I have something strange happen to me when eating fish and chips, It starts alright, the fish is very nice, then as I go along the fish it gets tougher, this

happened again the following week, so a week later I tried eating the fish from both ends, which was nice, but got tough in the middle, it seemed that I was affecting the fish.

Time to experiment, I bought fish and chips, and put on latex gloves, I cut the fish in half, I eat one half the fish with gloves on, the fish was OK the other half fish without gloves was tough. I think what was happening, was the fish and chip shop has DECT phones, I was zapped by the DECT phone, which I absorbed, and I was affecting the structure of the fish when starting to eat it.

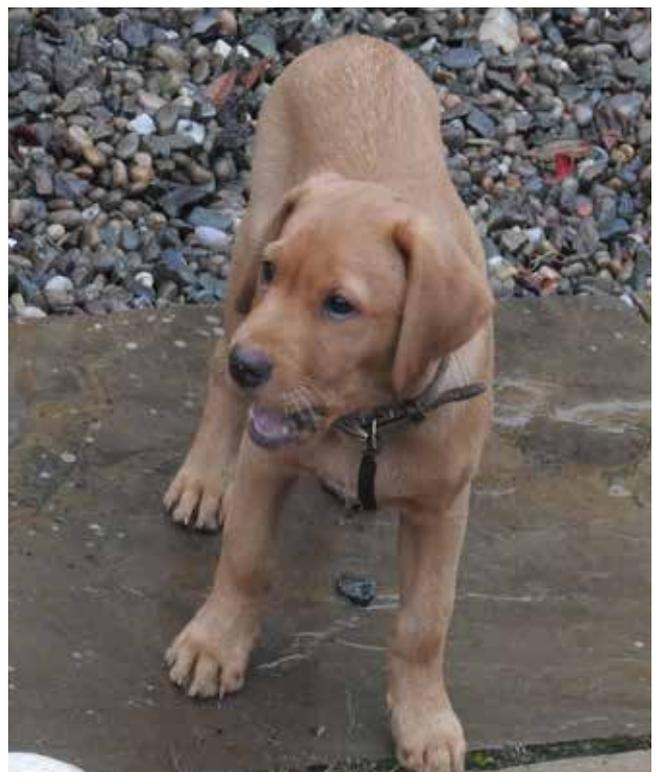
The new owners of the fish and chip shop, don't have DECT phones or Wi-Fi which was fine, fish very nice, until last week a customer was using a smart phone; guess what! When I got home the fish started getting tough as I was eating it.”

Reader enquiry about microchips in dogs

Peter L asks:

“I know microchips in dogs are inert, but just like metal framed glasses or metal sprung mattresses, is it possible that there could be a higher RF fields close to the microchip? My guesswork is that like a security tag on retail clothing, the chip will be powered by RF and reflect that energy outwards. I'm guessing that there would be a slight increase in RF around the chip. My dog usually spends most of his time on my lap so I'm concerned it might affect me.”

If you have experience of this, please contact ES-UK.



PUPILS' COMMENTS

Child's letter on being ill from Wifi at school: "I can't think"

"To – ,
Please listen: on Wednesday I was feeling ill because of the Wifi. I had body aches everywhere at different times and felt sick and my tummy was hurting.

Also in maths I got sent to the 'Elliott' building with some people from my class. We were given a challenge maths sheet but I couldn't think or understand, because of the Wifi. The Wifi is stronger in the 'Elliott' than in the school. There's a router in there by the window. The only reason I know the routers are there is because Mummy told me.

All the people in my class have Wifi problems. Here are some of them: Abbie can't think and she gets body-aches everywhere, Bobbie has behaviour problems, Celia has got thinking problems. (Sorry I can't think after being in a Wifi environment.)"

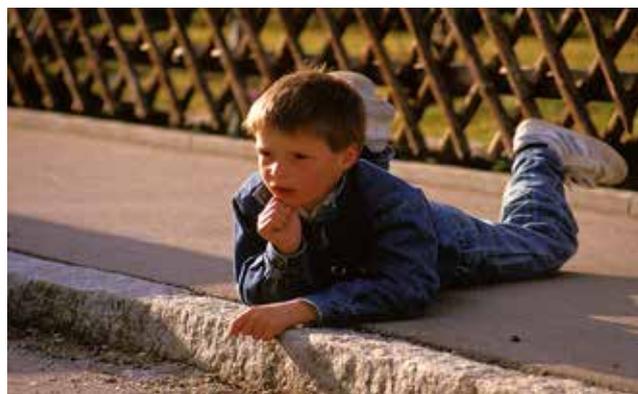
[The names have been changed.

Letter supplied by the child's parent.]

Jenny Fry's letter on children's rights

"I want to ban to room 101 people who think they know the children's rights when they don't. What annoys me most about this is not being allowed to go to the toilets in lessons because it is a blatant disregard of our rights as children. Others may disagree, such as teachers, but they don't realise that if you are so desperate and you may even wee on their floor and if you were to do that you would be embarrassed and in a lot more trouble than if you were to walk out and run to the toilet. Also in UNICEF's Summary of the UN Convention on the Rights of a Child, article 3, tells us children's best interests should be put first."

(Jenny Fry aged 15 committed suicide on June 11 2015 after her school refused to keep her away from wifi)



EHS TESTS

fMRI scans of people EHS compared with provocation tests

See the front page for yet more proof of objective changes in people with EHS. In contrast the minority clique of pro-wireless activists in PHE/ICNIRP/WHO still seems to prefer failed provocation tests.

Displacement-of-furniture-sensitivity provocation study and real-life EHS tests

From Prof Olle Johansson: "A recent provocation study using our ability to easily recognize displacement of furniture in our own home, but

not in strangers' homes, points to that most similar experiments trying to prove electro-hypersensitivity as real in a laboratory cell phone test setting were bound to fail. The big question is: "Were such failures deliberately constructed and designed?". The only way to overcome such failures is to stick to real-life cell phone tests, and not to artificial set-ups."

He reported that his own provocation study (Johansson O ["EHS and sensitivity to mobile telephones: Results from a double-blind provocation study of pilot character"], Enheten för Experimentell Dermatologi, Karolinska Institutet, Stockholm,

Rapport nr. 2, 1995, ISSN 1400-6111), was very successful. Among its results was the single test person who was entirely correct, both acutely as well as in the delayed reaction phase, when exposed – in a double-blind manner – to a mobile phone in stand-by mode.

"It should be pointed out that human beings are not especially good in judging absolute numbers, such as the absolute weight of a pencil. However, we are very sensitive to differentiate between a test situation and a natural, well-known reference. To better understand the impact of this fact, I recently made a new provocation study, this time

not using EHS persons but subjects claiming the ability to recognize the displacement of furniture.

I took 60 test persons, all normal healthy volunteers, not on any on-going medication apart from birth control pills, all being non-smokers, 30-50 years of age, male (n=30) and female (n=30). They were introduced, one-by-one, into an ordinary family house, with 3 bedrooms, a living room and a kitchen, an attic and a basement, two bathrooms, a front porch, and a front and a back garden. The test persons were not allowed to meet each other before or after the test. In the house, before arriving to it, one piece of furniture (a 3-person sofa) had been displaced. Neither the test person or the technician overlooking the test knew which piece that had been displaced, so it was a genuine double-blind study. The order of the test persons was randomized using a random number table.

The results were quite discouraging, only one subject out of the 60 was able to spot the displaced sofa; the rest had not a clue in spite of all of them claiming the ability to recognize displacement of furniture.

Upon detailed analysis, and breaking the double-blind code, it was revealed that only the test person actually living in the house, i.e. it was her own home, was able to correctly identify the displacement; the rest of the subjects were completely lost. (Interestingly enough, if the house was changed to one of the other subjects' homes, then the first correct person suddenly lost the ability to recognize the displaced piece of furniture, and only the person now living in the second house could properly and correctly identify the piece that had changed its location.) It should be noted that the successful test subject in our

double-blind mobile phone-based provocation study initially used her allowed 30 minutes, but for each time got more and more secure in the test situation. The later half of the test meant that she – equally fast as any technical measurement equipment – immediately when the black box was introduced into the test room told the supervisor that either it was only carrying a non-active exact replica or that it contained a real mobile phone in stand-by mode. This is the same quick reactivity as we all utilize when coming into our homes, thus immediately spotting if our spouse has moved a piece of furniture out of its frame of natural background reference.

This piece of the jig-saw puzzle should encourage the attitudes of microwave radiation researchers to revisit the work of those who found no evidence of association to exposure during provocation.”

(Prof Olle Johansson: “Lack of success of ‘displacement-of-furniture-sensitivity’ provocation study may prove validity of real-life cell phone tests for EHS” Nya Dagbladet, Nov. 8 2017)

Two problems with provocation studies

“There are two major problems with the to-date executed studies examining existence of causal link between EHS and EMF that invalidate the conclusions of the to-date executed EHS studies:

(i) The first major problem of EHS studies is the assumption by the scientists that the volunteers participating in the studies, claiming to have EHS, indeed have symptoms caused by EMF exposures. There is no such certainty. The volunteers

are self-diagnosed EHS and they assume/believe to have EHS. In reality, some of those self-diagnosed EHS persons, participating in studies, might suffer from symptoms caused by sensitivity to something else, not the EMF. Therefore, the experimental group of self-diagnosed EHS persons is likely contaminated by the non-EHS persons who misdiagnosed own symptoms as EMF-caused. The results of experiments using such contaminated group are skewed towards the no effect. ... Scientists simply do not know whom they are studying as EHS volunteers!

(ii) The second major problem, invalidating the to-date performed EHS studies, is the existence of placebo and nocebo effects. It shows how subjectively biased is all data collected in EHS studies. Existence of both effects clearly demonstrates how strongly our perceptions and beliefs can affect our health and what we feel, including physiological symptoms. All persons have certainly some opinion about the possible effects of EMF on health, no matter what this opinion is. In all to-date executed EHS studies the self-diagnosed EHS volunteers were asked how they feel, while exposed or sham exposed to EMF. The responses were certainly tainted by the opinions about EHS and by the experiment-caused mental stress. This means that all data collected to-date in the EHS studies is not objective information but it is a set of subjective expressions of feelings. Claiming that such subjective data, obtained from volunteers under duress, provide scientific proof is utterly unscientific.”
(Prof. Dariusz Leszczynski: “EHS research is scientifically worthless for two reasons...” BRHP, November 8 2017)

SMART METER DANGERS

Reminder: smart meters optional; all EHS and other people should refuse them

The Smart Energy GB website states that smart meters are fitted only if you want one:

“Everyone in England, Wales and Scotland is entitled to a smart meter if they want one and every energy supplier has to offer its customers a smart meter by 2020.”

Write, ring or email your energy provider to tell them that you do not want a wireless smart meter.

Smart meter ‘bullies’

“How are the power giants getting away with using underhand tactics to bully us into getting a smart energy meter? It’s a question Money Mail will be expecting Ofgem to answer in the coming days. We have urged the watchdog to investigate after readers inundated us with complaints about feeling cajoled into dumping analogue energy meters in favour of new-fangled digital ones ... we need a crackdown on suppliers that bully customers into switching.”

(Dan Hyde: “Smart meters must remain a choice... it’s time for a crackdown on bullying suppliers” Daily Mail, October 3 2017)

Electricity supplier and ‘smart’ meters

A reader sent EDF a complaint on receipt of an email from them in which EDF apologised for a delay in their smart meter rollout. The reader told them that his was inappropriate, since they had written to EDF several years before refusing a smart meter, and at that time EDF had sent a letter confirming the reader would not be required to have a smart meter. Therefore their recent email was highly inappropriate.

In response to this, an employee of EDF rang the reader to “resolve” this complaint. The reader was then requested by EDF Complaints Manager to send feedback following this phone call. The reader’s letter included a note that during their conversation, an EDF employee said that EDF would send a letter confirming the contents of the conversation within five working days, but almost four weeks later this letter has not arrived. The reader’s letter continued:

“Also, I want a permanent opt-out from smart meters, not an opt-out for one year only, with the pressure upon me to have a smart meter renewed every year. This feels rather like a

drip, drip pressure to wear a customer down into having a smart meter. Please can you revise this approach, to respect a customer when they say they definitively do not want a smart meter, this year, next year or any year. I enclose a leaflet detailing the very negative effects of smart meters upon customers on very many levels.

Please visit www.stopsmartmeters.org as well as www.inpowermovement.com to inform yourselves fully of why so many people are definitively refusing smart meters.”



5G AND PHONE MAST DANGERS

“Join campaign to ban 5G masts”

(Letter, by S Lawrence, published in The Mid Wales Journal, November 2017):
“The call is out to ban 5G masts immediately to save the human race. This Tory government is allowing the telecom companies to roll out many hundreds of them across the country. There are at least two villages in Powys that have them or rather a cover-up job of rolling out 4G masts and adding 5G later. These masts are untested but are believed to be dangerous to humans and other species. 5G frequencies are a known source of biological harm and public health is at risk. Those who care about the population are writing to the PM and others to try to have 5G banned. If you care please research 5G and join them.”

5G in Lambeth

Some 15,000 of Lambeth's lampposts are to be used by Arqiva to house small mobile transmitters to boost London's mobile phone coverage. So-called "small cells" are units to be installed onto street furniture and to the sides of buildings to boost mobile capacity. They can also be put inside venues such as shopping centres, where increased footfall puts a strain on existing communications infrastructure. (Oliver Gill: "Thousands of mini mobile masts to be hidden in Lambeth's lamp posts" City AM, August 8 2017)

Bradford-on-Avon refuses phone mast: “harm not outweighed by public benefits”

Planning officers at Wiltshire County Hall in Trowbridge made a delegated decision on 1st September 2017 to refuse the

application by Telefonica UK Ltd for a 15-metre high mobile phone mast near homes in Bradford-on-Avon. Earlier this year Telefonica UK withdrew its first application in the face of strong local opposition. The decision was welcomed by overjoyed protestors, who had submitted more 200 letters and a 1,385-signature petition against the scheme. Protestors said there was a health risk from the EM frequencies and non-ionising radiation likely to be emitted from the mast. They said this would present a health hazard to people living nearby and children at the Christchurch Primary School. (“Phone mast protestors celebrate victory as plans are refused” This is Wiltshire, September 8 2017)

Crediton: “5 cancers in 4 homes in phone mast beam”

“Steve Grove is right (Letters, July 19). Where are the facts on mobile phone masts? Our Government insists that drugs are tested before they are let loose on the public. No one tested the phone masts or the mobiles or the more dangerous Dect phones. No one tested Wifi or Bluetooth. The problem is that no one can see these microwaves – yet it seems to me that it is self-evident that, as our bodies/nerves work on electrical impulses, they can be interfered with by numerous other forms of radiation. In nearby Crediton there were five cancers in four homes directly behind each other in the beam of a phone mast. These people are not all old – the cancers in the house nearest the mast being a five-year-old child and her young mother. I spent five years going around the cancer and other illness clusters around mobile phone masts in England, houses where even the dogs

and pet rats got cancers. There are independent scientific studies that show low-level microwaves damage health. Those studying them soon stop getting research grants. I can point to scientists who have been removed or sacked if they get the wrong results. More than 6,000 doctors in Germany signed the Frieburger Appeal, pointing out the illnesses their patients were prone to when living near mobile phone masts. Our English doctors are not allowed to comment. The Government has tied the hands of planners and our district councillors.” (Sue Webster: “Cancer worry over radiation” Letter to the Totnes Times, July 26 2017)

Staithe: opposition to mast plan: 24 hours a day radiation for children

Residents in Staithe, Yorks, are campaigning against a mobile phone mast at the Staithe Athletic Club, about 20 metres from homes and in the middle of the only playing area field. Carol Zagrovic said: “The government's own Stewart Report recommends that masts shouldn't be put near schools, yet this will be near a school. Not only will it be near a school, it will be directly on a playing field where those local children actually play. Then they go to sleep and live in those houses that are around that mast, so it's 24 hours a day with them.” (“Staithe Residents Step Up Campaign Against Mast” Yorkshire Coast Radio, November 13 2017)

Stroud anger at phone mast

Parents are up in arms about a mobile phone mast which they say could harm the lives of their children. The plans have been passed by Stroud District

Council for the facility in the grounds of Frith Youth Centre, adjacent to Bussage playing field. More than 100 people signed a petition against the proposal, with their main concerns being the health impact, AONB land and the negative visual element. "The mast will destroy a bastion of microwave frequency free land for young children and the natural world to thrive, let's keep it a safe haven for the health of generations to come," said a message on the petition site. The plans were approved without a public meeting. However, similar plans in Painswick were recently rejected after public consultation. (Melissa Jones: "Don't play with our children's lives! Uproar from parents over mobile phone mast to be built in youth centre grounds" Gloucestershire Live, August 16 2017)

Tirley: council mistake allows mast

Libby and Richard Tugwell are fuming as the mast will be installed just a few metres from their front garden. The retired couple fear their health could be at risk because they will be living so close to the mast. Mrs Tugwell said the council's mistake was "absolutely disgraceful. There were about 160 names on a petition and Tirley is not a big village. Most people were against it." She added that children waited at the site for the school bus and they could also be at risk from any harmful emissions from the mast. The council's refusal was issued on July 26, one day later than the deadline. Mike Dawson, the chief executive, said: "We take full responsibility for this error" (Robin Jenkins: "'Absolutely disgraceful' council mistake condemns couple to live next to mobile phone mast" Gloucestershire Live, November 9 2017)



Welsh government letter: scientifically wrong, quoting invalid AGNIR report

A letter on August 9 2017 from Irfon Rees, the Deputy Director, Public Health Division, Health and Social Services Group, Cardiff, stated that: "the Welsh Government is advised by PHE in relation to the protection of communities from radiation hazards and the advice they provide on this issue is continuously under review. Regrettably I cannot add anything to the response of the Minister sent to your AM [Assembly Member] on exposure to RF EMFs. I can only reiterate that the Welsh Government is well aware of people with distressing symptoms which they attribute to various environmental factors. However, what is not proven, despite research undertaken to date, is the direct link between the symptoms suffered by those individuals and their attribution to chemical, electrical and electro-magnetic radiation triggers. [This is wrong; see many studies since 2011 proving that

real physical EHS does exist – Ed.]
 This inability to define a causal path [only by sceptic governments, not by majority scientists – Ed.] does not diminish the distress the symptoms cause for those individuals." ... "Finally, I note that you refer to an association between mobile phone masts and the incidence of cancer clusters. There is no convincing evidence that exposure to radiofrequency electromagnetic fields from mobile phone masts causes cancer. [This is also wrong: some 80% of studies convincingly show ill health near phone masts, with cancer increased up to 5 times within 500 meters – Ed.] Many measurements of the exposure levels have been made and the levels have been found to be well within the international guideline levels that have been adopted in the UK. [But these are the ICNIRP's 6-minute heating limits which are irrelevant to cancer and EHS etc which are convincingly shown to be caused by long-term non-thermal levels – Ed.] The Advisory Group on Non-ionising Radiation (AGNIR) concluded in its 2012 report that although a substantial amount of research has been conducted in this area, there is no convincing evidence that radio wave exposures below guideline levels cause health effects in either adults or children. [This non-peer-reviewed AGNIR report was shown in a peer-reviewed study to be 'inaccurate' and 'unsafe' in 2016 and AGNIR was disbanded in May 2017. There is convincing evidence that "certain sensitive individuals" need limits below the government's heating ones, according to the ICNIRP in 2002, a warning not yet headed by DH/PHE over the last 15 years, despite their claims to follow ICNIRP -Ed.]

WIFI HARM

AWARE: Action on Wireless and Radiation Exposure

A new website, www.awareuk.info, is concerned with harm from Wifi in schools. "AWARE founder, and parent, Fiona Williams originally raised her concerns about WiFi in her children's schools (St Saviour's Infants and Juniors, Larkhall, Bath) in the summer of 2015. From 2016-2017, Fiona, and fellow parent Vanessa Williams-Grey, researched information on the health impacts of WiFi exposure and met regularly with head teachers and staff at both schools. This involved a joint working party of governors at both schools and resulted in a change to both schools' health and safety policies.

The schools recognised the need for a precautionary approach and agreed to timed switch-offs, with the Infants activating WiFi on just two afternoons a week (later increasing to two days) and the Juniors trialling a timed switch-off over 1.5 days. The policy has continued to be followed at the Infants school since the spring of 2016, with occasional exceptions when the head teacher has authorised an over-ride. However, the Juniors has reverted to continuous Wi-Fi exposure."

Telekom: health risk from Wi-Fi router

Part of the manual:

"You should not place it into sleeping rooms, rooms for children and for people to stay there because of the integrated antennas of the Speedport. Those antennas emit and receive electromagnetic waves e.g. for the WiFi. The aim is to keep the exposition by radiation as low as possible."

(Christine Aschermann, Germany: Telekom Deutschland GmbH, Bedienungsanleitung für Speedport Smart, Ausgabe 09.02.2017, p.21)

Experts call for a halt to wifi in schools

"Experts are calling for a halt in the roll-out of wi-fi technology in Scotland's classrooms. Pupils as young as five are being encouraged to bring smartphones and tablets into lessons as part of a Government education strategy. However, new research has concluded that wireless signals are "not completely safe near the human body" after finding that young rats exposed to the waves suffered brain tissue damage.

In several countries across Europe, authorities are already putting curbs on wi-fi in primary and nursery classes. Now campaigners believe a

moratorium on the gadgetry should be in place in Scottish schools too until further safety studies have taken place.

Neuroscientist Dr Sarah Starkey says the latest study should give education authorities cause to pause. She said:

"From conception to their early twenties, the bodies and brains of children are developing which, according to some studies, makes them vulnerable to the effects of RF signals even within current safety limits. The Cyprus government advises pregnant women to keep wireless devices away from their unborn child and to use wired connections for their computers.

Meanwhile studies from Sweden found that young people who first used a cordless phone under the age of 20 had higher risks of developing a tumour than adults. The public and our decision-makers have not been accurately informed about the possible harmful effects of wireless signals. Children have the right to a safe environment and I think this means adapting technology in schools to wired-only connections and restricting mobile devices."

(Mark Howarth: "Questions over whether wi-fi is safe for our kids" Sunday Post, May 15 2017)

Restrict school Wifi: "Wifi may put your kid at risk for cancer"

Expert Devra Lee Davis explains how Wifi can increase the risk of cancer.

"Thank you, Gov. Larry Hogan, for appointing thoughtful, brave medical experts to Maryland's Children's Environmental Health and Protection Advisory Council (CEHPAC). Your next challenge is to get the Maryland school superintendents to heed the council's well-founded advice: reduce and restrict children's wireless radiation (Wifi). The council recommends wired rather than wireless classroom networks.

Two decades ago, when the FCC set "safety" standards, authorities assumed that microwave radiation was harmless unless it produced heat. Why then do American government websites not reflect the latest science from the NTP and others? As a Harvard Law Report explains: The FCC is a "captured agency," meaning under the influence of industry. Would you give your child a cigar, a shot of Scotch or DDT to play with?"

(Devra Lee Davis: "Wifi in Md. schools may put your kid at risk for cancer" The Baltimore Sun, March 24 2017)

Radar guns (WiFi frequency and 26-40 GHz) cause brain cancers; 5G and 28, 37 and 39 GHz

His death was a tragic, untimely loss, seemingly without reason. Gary Carter was known to all as ballplayer number 8 on the field. Gary Carter eventually developed a very aggressive form of terminal cancer in his brain that led to his tragic, untimely death. The type of cancer is known as glioblastoma. Baseball, in particular seems to be the sport where the tumors are becoming the most prevalent. Gary Carter was a catcher. He had tumors that resembled a snake wrapped around the back of his brain. Many other players, either pitchers or catchers, also developed brain cancers, along with some umpires, who also stand in the same line on the pitch.

The radar is aimed at the pitcher from behind home plate and at times, in center field, aimed at the catchers to get the velocities off of the bat. It is used on almost every ball that is pitched and caught. Whether it be at practice, spring training or during regular season, a radar gun is in operation aimed directly at the pitcher. The catcher is also smack dab in the middle of the radar beam. Gary Carter was in the radar gun's line of fire almost all of the time.

So why then, do not all pitchers, catchers and umpires get brain tumors? This depends on individual factors.

In the 1960's, the X band frequency was used extensively which covered the 8-12 GHz range. In the early 1970's this was changed to the K band at 18-26 GHz. Eventually the frequencies on radar guns were shifted to Ka bands, thus creating a more powerful, and accurate reading in the 26-40 GHz range. The readily available inexpensive models operate around 2.4 GHz. I

believe that both [toxins and radar radiation] are required for the brain tumors to form.

The radar guns behind home plate beamed at the back of Gary's head for decades. Gary Carter's tumor was in the back of his head wrapped around the spine.

Catchers would get the cancer on the back of the head or the brain stem and the pitchers would get the cancer in one of the temporal lobes depending on if they were left or right handed.

("The untimely death of Gary Carter (1954-2012) and what we can learn from what happened to the "kid"" The Fullerton Informer, October 1 2014)

[The FCC approved the spectrum for 5G, including 28 GHz, 37 GHz and 39 GHz bands, on July 14, 2016.]



CHURCHES AND RADIATION HARM

Church of England's chancellor overrides churchwardens and approves WiFi

Despite a rift between the vicar and churchwardens over the plan to install wireless broadband equipment in the tower of St Peter and St Paul at Heydon, near Aylsham, the go-ahead has been given.

The vicar, the Rev Andrew Whitehead, along with the

church's fabric officer have been given permission for the equipment to be installed despite objections from church wardens, Mary Anne Shippam and Evelina Ashbee.

Permission was given by Ruth Arlow, Chancellor of the Diocese of Norwich, as a judge of the Church of England's Consistory Court, over-riding the objections from the church wardens, who said: "We feel it is

our duty to preserve our church therefore we do not agree with the proposal to put antennae on the church tower."

(David Bale: "Church tells villagers in wi-fi dead spot - Thou shalt have broadband" Eastern Press, March 7 2017; Shiranikha Herbert: "Faster broadband a boon, says court" Church Times, March 31 2017)

WiFi: “equivalent of bells or clock”

The Revd Canon Andrew Beane, team rector of Aylsham, said:

“WiFi is the 21st century equivalent of medieval bells, or the clock on the church tower.”

(Andrew Beane: “Andrew Lloyd Webber highlights WiSpire” Aylsham and District Team Ministry, April 15 2016)

[But medieval bells and clocks on church towers do not usually radiate a class 2B human carcinogen – Ed.]

Churches’ WiFi and mobile phones: “certain sensitive individuals” and “not-spots”

From a letter published in the Church Times:

“Sir, - Since 27 May 2011, when I last raised this issue in your columns, the health dangers of wireless radiation have become clearer. These include animal studies that confirm its part in promoting tumours. This requires, experts say, that WiFi and mobile-phone radiation should be re-classified upwards, from a 2B possible to a 2A probable human carcinogen.

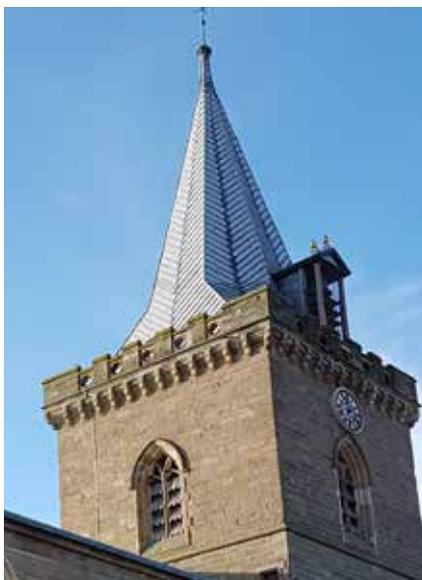
The current government claim of no “consistent” or “convincing” evidence of harm is based on their AGNIR (Advisory Group on Non-Ionising Radiation) Report of 2012. This represents the minority viewpoint that the only established danger is from heating, as proposed by Schwan in 1953, whereas most experts have long accepted harm at low levels. Dr Sarah Starkey’s peer-reviewed analysis of 2016 argued in detail that the conclusions of the AGNIR report (not peer-reviewed) were “inaccurate”. This critique, like the growing use of low-level wireless radiation in common medical procedures, further invalidates the outdated heating-only hypothesis.

In 2002 the ICNIRP (International Commission on Non-Ionizing Radiation Protection), which the UK government says it follows, warned that some people, such as “certain sensitive individuals”, were more intolerant than others of this type of radiation and need long-term low-level safety limits, below the current six-minute heating ones. For this reason, the Parliamentary Assembly of the Council of Europe voted that governments should create wireless “not-spots”.

Some individual churches are aware of this issue and have refused masts on their property. I am sure that people who are especially sensitive to wireless radiation would be grateful if the Church as a whole helped the government to achieve this aim of wireless “not-spots”.

Delivering broadband through fibre-optic cables is the answer.” (Michael Bevington, chair of ES-UK trustees: “Churches can help to provide WiFi ‘not-spots” Church Times, letter, February 10 2017)

[The published version omitted the submitted letter’s first sentence: “I am concerned at reports that the Church of England is offering its buildings to help deliver wireless broadband.”]



“Church Spires Point to Heaven but Deliver Hell”

A report from the USA says that church steeples, because of their height and key in-city locations, are bringing churches \$25K, \$50K and more yearly from telecom companies for cellphone arrays. “Next time you pass a church, look up and take a closer look at its steeple,” says DCG Real Estate, which helps churches to market themselves to telecoms.

“There’s a reasonably good chance it’s a cell tower.” We learned that St. Marks Episcopal Church on Main St., West Hampton Beach, has leased its spire to telecoms.

Measurements with an Acoustimeter of the radiation being emitted from the spire as we stood across the street came near the top of the danger zone: No. 14 on a scale that went from No. 1 (0.02 volts per meter) to No. 15 (6.00 volts) at 4.5 volts per meter. Susan Foster, medical researcher who has helped firefighters block cell towers on firehouses, said “Churches, synagogues and mosques are playing with the lives of people and not doing their research. Shame on the churches for ignoring the science.” (Jack O’Dwyer: “Church Spires Point to Heaven but Deliver Hell” O’Dwyer’s, September 18 2017)

“Love for our neighbours” stopped a Colorado church-roof phone mast

With good old-fashioned neighbourly love, a Colorado mother in March 2016 successfully got her neighbourhood and the local church, LifePointe Church, Fort Collins, Colorado, to refuse a giant cell tower next door.

At issue were the health impacts from the cell tower's close proximity to a residential community and Leshar Middle School, 150 yards away. Residents had uncovered more than 6,000 studies showing harm from electromagnetic radiation (EMR). At the church meeting at least a dozen individuals spoke passionately about the consequences of having a cell tower close by. One resident said, “My nine-year old would go to that school, but she won't if there is a cell tower there.” One 13-year-old student at Leshar expressed concern about the long-term health effects: “I don't want to be harmed and have my life ruined by a cell tower.” Ms Lahdenpera asked the church elders to observe the “precautionary principle.” Finally, one long-time resident, expressed her appreciation to the elders for holding the community meeting and said, “I do have concerns... life is precious for all the issues raised here. I would appreciate it if the church would see the light.”

Perhaps the most poignant moment of the evening came when a Leshar middle-schooler spoke out. He pointed out that the 1996 Telecommunications Act prevents local town councils from hearing any discussion of health effects in challenging the siting of a cell tower. The 12-year-old railed at the idea that a citizen's right to free speech could be restricted in this way.

Youth has a way of telling it like it is. The student went on to quote the first amendment of the US Constitution accurately and in its entirety to make his point.

By 9.00 pm the meeting had come to a close. An unlikely combination of tears, anger, respect and raw candour poured out in waves from the community. The pastor of LifePointe then brought the meeting to a close with a rousing commitment to make a decision based on “love” rather than “fear.” While the fate of the tower remained uncertain, there was a palpable electricity in the air as the many different stakeholders filed out of the church. Many were tactful, appealing to the church to do the right thing and protect the children's health. Others strongly challenged the case for the tower to be sited in this neighbourhood.

The lead Pastor then announced by an email to the community that the church would withdraw its intention to place a Verizon tower on its premises. The merchants and money changers had indeed been thrown out of this church. For possibly the first time since 1996, history had been made. Free and open debate had actually taken place on a topic that the US Congress had made off-limits. All views had been welcome; no speech denied. Nurses, professors, moms, business people, veterans, parishioners and children freely offered their views on the possible health effects from sighting of a cell tower. Still the long shadow of Section 704 of the Telecommunications Act casts a veil of darkness over an important topic. Lead Pastor, Craig Hasselbach, explained: “We made our decision based on love for our neighbors.”

Heather Lahdenpera, of Fort Collins, Colorado, said: “It is easy to become paralyzed by the feeling of powerlessness. However, when I found out that a cell tower was proposed to be



placed on top of a church roof, right next door to my childrens' school and within line of sight of my house, I could not stand idle. I understood the dangers of yet another layer of radio frequency radiation being placed near my children and family. So, I took action. It was the most empowering thing I have ever done.

As I began to notify and mobilize the neighborhood, many neighbors began to thank me for taking action. Once people knew they had a forum where they could voice their concerns, the community worked together and we made a small dent in this growing problem. I found that I shared values with my neighbors, many of whom I didn't previously know. The church leaders at our neighborhood church, LifePointe, listened to our concerns and decided not to allow a cell tower. I feel moved to stay involved with this extraordinary church with which I had had no prior connection. I encourage everyone to take a stand for things that matter, especially our health.”

(Video: vimeo.com/173503021; Josh del Sol: “How Love Stopped the Cell Tower Next Door” Collective-Evolution, April 8 2017; Camilla Rees: “Electromagnetic Health”, March 31 2016; Jeromy: “A Miracle in Fort Collins” EMF Analysis, March 24 2016)

ENVIRONMENTAL POLLUTION AND EARLY DEATH

M.E. and EHS: “through wilful blindness of policy makers, lives are being blighted with suffering and death”

“I am fully aware of the contaminated water, the contaminated food supply, the various known air pollutants and particulates and – more recently – the uncontrolled, untested pulsed microwaves and EM radiation, which have gradually ensured that we are all living in neurochemical chaos. The collateral damage of these practices is unprecedented and, through the wilful blindness of scientists and policy makers, it is increasing at a phenomenal rate. Lives are being blighted with unnecessary suffering and death ... Instead of endlessly discussing ‘deconditioning’ as a stick with which to beat us, let us discuss ‘entrainment’ – the effect of pulsed signals on our nervous system, overlapping our natural ability to control bodily functions and regulatory systems. This effect may be described as a 50-stone person jumping onto our trampoline alongside us, making it impossible to then control our own actions, due to the excessive forces being imposed on our fragile bodies. ... The blanket use of modern technologies without health warnings for the vulnerable, especially children and pregnant women, is great foolishness. ... Ignore at your peril this insidious environmental illness epidemic. We may be the first casualties but we won’t be the last. Who knows what genetic burdens our children will bear?” Angela notes that of the 34 symptoms listed in the Irvine report of 2005 on EHS (page 8), 33 are found in ME, since she would not necessarily link hair loss to ME. (Angela Christie: “M.E. and Electro-Hypersensitivity” The Quarterly, issue 43, Summer 2017)

Premature deaths from pollution: threat from EM exposure double the threat from air pollution?

According to Duncan Selbie, chief executive of Public Health England, on July 28 2017, “Air pollution is the biggest environmental threat to public health in England.” It is difficult to work out the numbers, however, because there are few studies on mortality from just air pollution. Sir David Spiegelhalter, Winton Professor of the Public Understanding of Risk, Cambridge, in “Does air pollution kill 40,000 people each year in the UK?” (February 22 2017) explains how difficult even an educated estimate can be in this area.

In fact (the editor writes), it may be easier to calculate the number of premature deaths from electromagnetic pollution and effects, rather than those from air and particulate pollution. This is because there is more time-limited evidence for EM exposure, both for (a) natural EM phenomena and (b) for man-made EM pollution.

(a) There is a large and growing area of academic study led by the Russians and other eastern countries which correlates natural geomagnetic events and disturbances, such as solar eruptions and magnetic variations, with specific human effects, such as coronary heart attacks, autonomic responses and behavioural outcomes including depression. See “Sensitivity and specific ES symptoms to natural geomagnetic disturbances”, with over 40 studies listed, in “Selected Studies on ES and EHS” (available under Research on the ES-UK website).

(b) There are also studies and reports showing the effect of man-made EM exposure, as from phone masts and transmitters. Thus, when 2G GSM phone masts were switched on in the USA in the mid to late 1990s, death rates apparently increased in each city by about 10-15% in the following few months. Studies on wildlife show similar effects but with longer-term declines in numbers of birds, insects and, perhaps eventually, trees. Prof. Trevor Marshall’s experiments suggest that 40% of US adults, those with chronic autoimmune or inflammatory conditions, are sensitive to EM exposure, so an annual rate of premature mortality in the region of 10-15% may be likely, or even rather conservative if related conditions such as heart and respiratory conditions are included. Dr Deitrich Klinghardt’s observations on the spread of Lyme disease and similar conditions, including the reactions of glyphosate and pesticides now present in the food chain, under the influence of man-made EM exposure, also suggest that the problem could be far wider. Even at only 10-15%, this equates, for the UK’s nearly 600,000 annual mortality total, to some 60,000-90,000 premature deaths, very approximately double the estimate for air particulate and gas pollution.

Therefore it could be that air pollution is not “the biggest environmental threat to public health in England”. Electromagnetic exposure may already be a far bigger threat to the health of the UK population.

TREE SENSITIVITY TO MOBILE PHONE RADIATION

Tree sensitivity to RF: damage year by year

Notes from: Helmut Breunig: "Tree damage caused by mobile phone base stations: An observation guide" (March 2017, 29 pages; Competence Initiative for the Protection of Humanity, the Environment and Democracy e.V. <http://kompetenzinitiative.net/KIT/KIT/new-observation-guide-tree-damage/>)

Current safety guidelines are inadequate for trees:

Safety limits for mobile phone masts do not consider trees.

Association between health symptoms in humans and damage in trees

There appears to be an association between health symptoms in humans and damage to trees in the line of sight of mobile phone masts, as pointed out by Eger and Waldmann-Selsam.



Red oak tree, August 2013



Red oak tree, August 2015

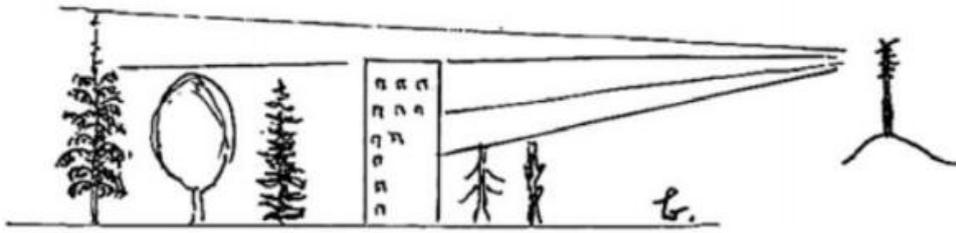
Trees well suited to studies on RF damage

As stationary and perennial living organisms, trees are well suited for studying whether RF from phone masts causes damage in plants. The observation guide is designed to help observers recognize visible crown damage in free-standing trees exposed to RF radiation. The photos show typical damage patterns. Scientists and laypersons alike can systematically observe trees in their living environment.

Observation of one-sided crown damage in trees in the line of sight of mobile phone base stations:

Visual signs include irregular leaf coloration, leaf wilt, leaf loss, temporal and spatial irregularities in the seasonal leaf color change and leaf loss, fewer shoots, greatly elongated shoots with foliage at the tip and bare patches farther down the shoot, changes in branching patterns, and dead limbs and branches. The damage is most prominent at the edge on one side of the crown. This area is referred to as the starting point of damage. From there, the damage decreases in its intensity toward the opposite side of the crown that may be less affected or not at all. The crown volume, which is damaged within this

geometric space, is referred to as the damage area. It will continue to develop further over the course of several growing seasons.



(Figure taken from BERNATZKY 1994)

Exposure from the right above the rooftop

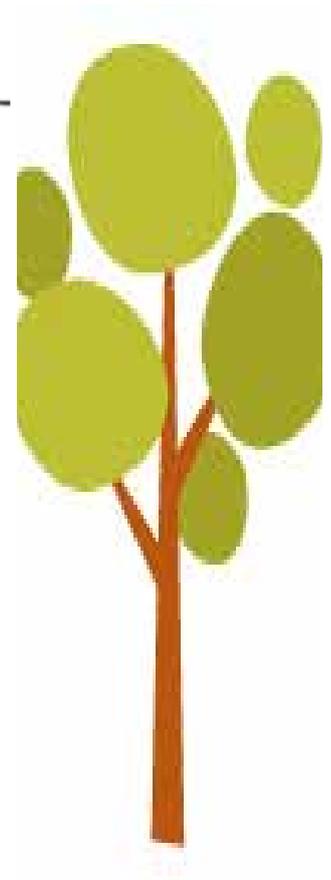
Distance to multiple RF transmitters 150-500 m (ca. 500-1600 ft)



Cherry tree, September 2012



June 2015



This photograph (right) shows the angle of the traffic speed-camera microwave radar in orange dashes, marking the dead left-hand section of the viburnum hedge on the lower right.



Willows and White and Black Poplar seem especially prone to wireless radiation damage, possibly because they rely on wet ground and water supplies more than some other species.

Photographs (above): "The progression from damage to death is not necessarily slow. The pictures show a cottonwood tree on the right experiencing damage over the course of months. The left picture was taken on July 24 2016 and the right on October 10 2016. Cottonwood trees can die within a couple of years once exposed to phone masts.

See also: Anon.: "Wireless Kills Trees" (www.electricalpollution.com)

BIRDS AND EMFS

Australian National Park:

EM destruction: “staring into the abyss”

“The correspondence of species disappearance from the Mt. Nardi-Mt. Matheson area of the World Heritage Site with the application of an increasing amount of EM technology designated as EM radiation (EMR) and EM frequencies (EMF.) With these short explanations of events we can appreciate that the effects of this technology and its application on Mt. Nardi over the last fifteen years, affect not only the top of the life chain species but they are devastating the fabric of the continuity of the World Heritage, causing genetic deterioration in an insidious, massive and ever escalating scale. To truly understand what these studies reveal is to stare into the abyss.”

(Mark Broomhall: “Report detailing the exodus of species from the Mt. Nardi area of the Nightcap National Park World Heritage Area during a 15-year period (2000-2015)” Report for the United Nations Educational Scientific and Cultural Organization (UNESCO) And International Union for the Conservation of Nature (IUCN), 2017.

<https://app.box.com/s/as3oys5xe9m7c30ushv34bj93hkg4qym>



Birds disorientated at 2 nT

“Previously, it has been shown that long-distance migrants, garden warblers (*Sylvia borin*), were disoriented in the presence of narrow-band oscillating magnetic field (1.403 MHz OMF, 190 nT) during autumn migration. This agrees with the data of previous experiments with European robins (*Erithacus rubecula*).

In this study, we report the results of experiments with garden warblers tested under a 1.403 MHz OMF with various amplitudes (~0.4, 1, ~2.4, 7 and 20 nT). ...

The results of the present study indicate that the sensitivity threshold of the magnetic compass to the OMF lies around 2-3 nT, while in experiments with European robins the birds were disoriented in a 15 nT OMF but could choose the appropriate migratory direction when a 5 nT OMF was added to the stationary magnetic field.

The radical-pair model, one of the mainstream theories of avian magnetoreception, cannot explain the sensitivity to such a low-intensity OMF, and therefore, it needs further refinement.”

(Pakhomov A et al.: J R Soc Interface, 2017, [PMID: 28794163](https://pubmed.ncbi.nlm.nih.gov/28794163/))

[These findings, that birds are disorientated from about 2 nanoTesla magnetic field 1.403 MHz oscillating magnetic field, fits with humans who can feel conscious effects from about 7 nT for power-line frequencies – Ed.]

EMF BODY MEASUREMENT

Fluorescent lights, body current and cancer

A new study indicates a link between fluorescent lights and a high body current. High body currents have been linked with cancer. Ground currents are common in the USA but less so in the UK.

“A Fluke 287 true RMS multimeter can measure body amperage between an ECG patch over the sternum and an outlet ground or a true ground. Every place of the hundreds measured that had

high ambient magnetic fields had high body amperage. However, many places with non-incandescent lighting and/or high ground current levels had low magnetic fields and high body amperage levels. Body amperage is (30–100 μ A) in rooms with fluorescent lights mounted on low ceilings ... Body amperage increases with decreasing distance from fluorescent lights. The currents disappear when the lights are shut off and can be blocked with a Faraday cage.

In an Electric Power Research Institute (EPRI) paper about contact current and cancer risk (Kavet et al. 2000) a possible role of contact current in cancer risk associated with residential magnetic fields: "... level of contact current (modeled) 18 uA produces average electric fields in tissue along its path that exceed 1 mV/m. At and above this level the NIEHS Working Group (1998) accepts that biological effects relevant to cancer have been reported in numerous well programmed studies".

Since there are high body amperages in many places with low magnetic field levels, it is possible that we were measuring the wrong thing in most of our past EMF epidemiology studies.

The Hydro Quebec study (Armstrong et al., 1994) showed a 15-fold increased risk of lung cancer in workers exposed to pulsed high-frequency magnetic fields. Risk ratios this high are rarely seen in studies using power frequency magnetic

fields as an exposure metric. The cancer incidence risk ratios were near 10 for a number of cancers in the teachers at a California school and were strongly associated with classroom levels of high frequency voltage transients (Milham S et al, 2008).

The meters used in most of the measurement-based epidemiologic studies have narrow bandwidths. The Fluke 287 has a 100 kHz AC bandwidth (Fluke manual). Since fluorescent lights are everywhere, and since many [US] residences and public places have high body amperage readings because of ground currents, there is a need for new studies of 1000 homes, offices and workplaces measuring body amperage."

(Milham S "An off-the-shelf meter for measuring body amperage: A new gold standard for epidemiologic studies?" Electromagn Biol Med. 2017).

INTERNATIONAL NEWS

Survey of self-reported EM intolerance: 2.4%

A survey of self-reported conscious environmental intolerances gave 2.7% of the general population for EM intolerance in Sweden, and 1.6% in Finland, averaging, for nearly 5,000 people, 2.4%. (Karvala K et al, Environ Res. 2017).

Real EM exposures needed in tests

John Weigel became interested in microwave radiation when he witnessed a public protest following 36 deaths of people living and working near a Tetra mast in Ronanstown, Dublin. He supports the study showing the need for real examples of EM exposures in scientific tests, not the different signals produced in a laboratory (Panagopoulos D, et al, BioMed Res Int, 2015). These scientists also wrote a paper showing that the Specific Absorption Rate (SAR) is inadequate for EMF dosimetry. The ICNIRP's limits, still used in Canada and the UK, protect only from heating; Dr Magda

Havas said in 2013: "It is accurate to say that Canada does not have a guideline to protect Canadians from long-term exposure to 'non-thermal' levels of microwave radiation." (John Weigel: "Scientists call for cell phone tests to 'get real', claiming simulated results grossly misleading" Nya Dagbladet, November 2 2017)

French High Court bans wireless smart meter for EHS

The Judge of the Appeals of the High Court of First Instance of Grenoble, on September 20 2017, forbid ENEDIS SA to install a "Linky" wireless smart meter in the home of owners who refused. Mr and Mrs F., of Meylan (Isère), had informed ENEDIS that they refused the installation of a wireless electric meter at their home, especially since their son was EHS, and the Linky meter would cause a disturbance to the health of their son. ENEDIS SA was ordered to pay costs and compensation. (Next-up News, September 23 2017)

Italy recommends less EMF

The decree of the Environment Minister has recommendations on reducing EMF. Section 2.3.5.4 recommends reducing exposure to indoor EM pollution: (a) Reduce low frequency magnetic fields: meters and electric panels must be outside the building; (b) Reduce Radio frequency radiation: use alternative data transfer systems to Wifi, eg. cable connection or Powerline communication technology. ("Italy: Policy Recommendations On Cell Phones, Wireless Radiation & Health", Environmental Health Trust, August 2017)

Germany tests Li-Fi on children

During 2017 Fraunhofer HHI has been working with the Hegel-Gymnasium in Stuttgart, Germany, to upgrade a classroom with Visible Light Communication technology (Julien Happich: "Fraunhofer HHI field tests Li-Fi in German classroom" EE News Europe, November 6 2017)

Dr Gro Harlem Brundtland: EHS and light sensitivity

“Dr Gro Harlem Brundtland, the former WHO head and former prime minister of Norway, described her increasing sensitivity to sunlight (= polymorphous light eruption; solar eczema). She nowadays has to stay indoors behind shielding cloth to avoid direct sunlight. She has previously described her EHS which erupted while she was at the WHO. She described how she cannot leave her home during daytime hours, how she stays behind Venetian blinds, and how she must wear a sombrero-type hat and sunglasses if she has to go outside, something she rather does when the sun has set. I have also written a case report about a woman who had to live like Gro Harlem Brundtland (Johansson O et al, "A case of extreme and general cutaneous light sensitivity in combination with so-called 'screen dermatitis' and 'electrosensitivity' - a successful rehabilitation after vitamin A treatment - a case report", 1999). This woman had to live for months in near-complete darkness. We found that she had lost her protective melanocyte layer in the skin, making her completely 'naked' to any EM signals, such as ordinary sunlight and wireless signals. (Dr Olle Johansson, November 2017)

USA TV report on people with EHS

Sanjay Gupta M.D.: "Vital Signs" (CNN, September 2017):

[1. Welcome to the National](#)

[Quiet Zone](#) (9 min.)

[2. Reducing Wireless](#)

[Exposure](#) (7 min.)

[3. Living in the National Quiet Zone](#) (5 min.)

about Diane Schou, Melissa Chalmers, Kevin Mottus, Dafna Tachover, and Leo Halepli who are refugees at Green Bank.

Monterey County: September 2017 "Electromagnetic Sensitivities Awareness Month"

On September 19 2017 in the USA, the Monterey County Board of Supervisors adopted a resolution proclaiming September 2017 as Electromagnetic Sensitivities Awareness Month.

In a unanimous vote, the Board approved Resolution 17-328. Chair Mary Adams thanked Nina Beety, who requested the resolution, for bringing the issue to the Board's attention. Adams said that in California a survey showed 3.2% of respondents being EM sensitive, equating to 1 million people. Ms. Beety said: "People with EHS are increasingly cut off from community life."



Californian 5G bill vetoed

Jerry Brown, governor of California, on October 15 2017 vetoed Senate Bill 649 backed by the cell phone industry that would have made it easier to install microwave radiation antennas. (Tracy Seipel: "California: Gov. Jerry Brown vetoes bill easing permits on cell phone towers" Mercury News, October 16 2017)

US residents sue over cellphone transmitters

Long Island residents are raising health concerns as cellphone transmission equipment continues to be installed in many areas of

Huntington and Oyster Bay. Neighbors are joining at Nassau County Supreme Court to fight towers going up close to their homes, schools and houses of worship. (Jennifer McLogan: "Long Islanders Sue Over Health Concerns About New Cellphone Towers" CBS News, October 19 2017)

Massachusetts discussion of EM dangers

The Massachusetts Legislature is to review some seven wireless radiation bills. On November 28 2017, in the Massachusetts Legislature, Senator Donald Humason's Bill S. 2080, was to be heard, asking to have the medical community trained and to provide insurance for the "growing number of wireless radiation-related illnesses." The state's Dept. of Elementary and Secondary Education is examining the biological risks of wi-fi in schools. It is also in conversation with the Dept. of Public Health, and is strategizing on ways to protect students and staff. (Jack O'Dwyer: "PR Pros, Heavy Cellphone Users, Need Awareness of Dangers" O'Dwyer's, November 6 2017)

Dr Klinghardt on people with EHS

"If you have somebody who is electro-hyper-sensitive, ... their lives are destroyed and they can only exist at sanctuaries ... we need to politically make an effort to make sanctuary cities or communities for these people that need to be supported in that way. Because the interesting thing is that EHS people tend to be highly intelligent, highly creative people. They're people that have unusual gifts very often. These are scientists and highly evolved people that usually are in that group, and so we want to keep them." (Dr Mercola: "How Spore Probiotics Can Help You", October 8 2017)

USA towns fight power-line proposal

The towns of Holmdel, Middletown, Hazlet and Aberdeen in New Jersey, USA, will spend \$254,200 in 2017 fighting the proposed Monmouth County Reliability power line project. (Carly Baldwin: "Towns Spending \$254,200 To Fight JCPL Power Lines" Holmdel Patch, November 15 2017)

Chicago municipalities against 5G law

Aurora, Naperville and other municipalities are opposing a law that would limit their authority over the location and deployment of small cell antennas on publicly owned utility poles. (Robert Sanchez: "Towns unite to oppose wireless antennas on utility poles, streetlights" Daily Herald, November 7 2017)



US Cuban embassy symptoms, like Moscow electrosensitivity in the 1950s

The US Department of State recalled personnel from the embassy in Havana, citing injuries and illness among 21 people - "hearing loss, dizziness, headache, fatigue, cognitive issues, and difficulty sleeping" according to secretary of state Rex Tillerson." (Adam Rogers "Were US diplomats in Cuba victims of a sonic attack - or something else?" Wired, October 5 2017) "A string of mystery attacks on United States officials stationed in Cuba bears a resemblance to some carried out by the Soviet Union against the American

Embassy during the Cold War." (Jason le Miere "Did Russia attack U.S. officials in Cuba? U.S.S.R. used microwaves against American diplomats during Cold War" Newsweek, August 10 2017)

US on Moscow embassy, 1976: 10,000 uW/m2 dangerous

US Moscow Report, January 31 1976, (unclassified 2006) "Moscow Signal – Approach to Gromyko"; Canonical ID: 1976MOSCOW01437_b: "These beams have resulted in radiation densities within Chancery Offices and some apartments of personnel ranging from 1 to 15 microwatts per cm2. Our medical experts are of the considered opinion that prolonged exposure to microwave radiation at the levels measured in the U.S. embassy constitute a potential health hazard."
[1-15 uWatt/cm2 = 1.9–7.5 V/m. Current 1996 FCC limits: 1,000 uW per cm2 = 61 V/m. USSR 1958 limits: 10 uWatt/cm2 = 6.1 V/m.]

Parkinson's from microwave attack?

In 2006 a brain scan showed that Mike Beck, a US National Security Agency counter-intelligence officer, had Parkinson's disease. He was only 46 and no one in his family had ever had it. He learned that an NSA colleague, a man he'd spent a week in 1996 with in a hostile country, had also been diagnosed with Parkinson's. Beck read a classified intelligence report that convinced him that he and his co-worker were likely the victims of a covert attack on the trip that led to their illnesses, which has led to an unusual workers' compensation claim. While he and his colleague were sleeping in their hotel rooms, the hostile country deployed a high-powered microwave weapon

against them, damaging their nervous systems. (Ian Shapira: "Was a spy's Parkinson's disease caused by a secret microwave weapon attack?" Washington Post, December 5 2017; Natalie Rahhal: "Former NSA spy believes he contracted Parkinson's from a microwave attack" Daily Mail, December 7 2017)

Canadian petitions on EMF dangers

Seven of the 16 environmental petitions submitted to the Canadian auditor general's office between July 2016 and June 2017 "concerned potential adverse health effects on humans from RF EM radiation from personal wireless devices," according to one of the fall reports from Canada's environment commissioner, released on October 3 2017. One asks that Statistics Canada collect data on EHS as part of its Canadian community health survey. On its website, Health Canada states that a growing number of people are reporting symptoms they attribute to EMFs, including headaches, fatigue, nausea and skin redness. (Maura Forrest "More Canadians petitioning the government about fear of cellphone radiation" National Post, October 4 2017)

Prof. Miller: "RF is a class 1 cancer agent"

Prof Anthony Miller, senior epidemiologist with WHO's IARC, declared on July 31 2017 that there is now enough evidence to classify Radio Frequency Radiation is as a Class 1 Certain Human Carcinogen (IARC Category 1): "The evidence indicating wireless is carcinogenic has increased and can no longer be ignored." ("Cancer Expert Declares Cell Phone and Wireless Radiation as Carcinogenic to Humans" SB Wire, August 16 2017)

Canada: wireless meter exemption for EHS

A meeting at Meaford, Canada, was told that wireless water smart meters could be fitted outside, instead of inside, a property for those with EHS. (Stephen Vance: "Community Members Bring RF Water Meter Concerns to Council" The Meaford Independent, November 28 2017)

Kenya: injunction against mast on health grounds

Residents in Mombasa are seeking a permanent injunction barring Safaricom Ltd from erecting a base station in MwembeTayari. An environmental impact assessment acknowledged that the residents and stakeholders were exposed to health hazards due to the levels of EM radiation emitted. (Philip Muyanga: "MwembeTayari residents in court to stop Safaricom from erecting base station" Business Daily, October 2 2017)

South Africa: pro-industry attack on EHS

In South Africa Ivo Vegter states he writes from the perspective of 'free markets': "Some people steadfastly believe that radio waves from cellphone towers, electrical wires and microwave ovens, make them sick. They cite symptoms such as insomnia, headaches, muscle pain and nausea. Some say they cause cancer. And all those people are wrong." (Ivo Vegter: "The campaign against killer radio waves" Daily Maverick, September 20 2017) Nicki Moore commented: "Ivo, I am disappointed in you. Yes, I am 'Mary'. I contacted you for an opinion, not to inspire a sneering article. My symptoms are anything but vague - the last ten months have been spent in a haze of debilitating pain that has caused me to move out of my house, ruined my business, affected my relationships,

crippled my body, made me consider suicide. It was only when my neighbours and I realised that moving out of our immediate surroundings cured us, that we started looking for environmental causes."



South Africa: "Citizens seriously ill and driven out of homes by radiation from towers"

From a letter to the mayor, Athol Trollip: "Your citizens are getting seriously ill and have been driven out of their homes by the excessive radiation spewing from these towers [cellphone towers forced upon us without our consent]. The Nelson Mandela Bay Municipality says it is not equipped to help us. Our DA councillors have left us in the lurch. So how has it happened that council can allow cellphone companies to erect towers all over Port Elizabeth when you've no infrastructure in place to handle crises and complaints? David Roesstorf said: "My sleeping patterns have definitely been disturbed." David Sing, of Morningside, said, "My ears throb and vibrate." Side-effects can include involuntary body twitches, sudden loss and return of equilibrium, throbbing on the sides of the breasts, memory lapses, nausea, tinnitus, muscle spasms, stinging stomach, localised headaches, electrosmog cough, sudden drowsiness, feeling dazed or dizzy and extreme irritability." (Sharon Li Green et al.: "Letter: Cellphone tower controversy" Herald Live, September 10 2017)

Dubai specialist on health effects of EM radiation: "Symptoms in the last 10 years not seen in 20 years before"

Dr Vikas Nehru, a Dubai-based specialist and ENT (ear, nose, throat) surgeon and former Associate Professor at the Post-Graduate Institute of Medical Education and Research, said: "A 39-year-old acoustic engineer, who worked in a TV studio for 8 hours a day and 6 days a week for 8 years, went to see an ENT doctor after he felt the ground turn under his feet. He was also constantly ill at ease. The symptoms did not have a pattern and the doctor was not able to pinpoint a diagnosis. The engineer was asked to go on a month-long vacation in the countryside - sans most of the technology around him. When he returned, the symptoms had disappeared. In my area (of work), I see a lot of patients, especially young ones, who come up with complex symptoms. These symptoms were not so common earlier. I have been in the medicine field since 1985. I am talking about things (symptoms) of the last 10 years, which I did not see in my last 20 years before that. We are seeing more brain tumors, higher incidences of infertility, more cases of EHS, and numerous other disorders. Even more concerning, radiation is damaging the human DNA." ("Wireless connectivity silently creating medical problems: Expert" The Economic Times, October 29 2017)

India: bees destroyed by EM radiation

Andhra Pradesh is one of the top 10 states producing natural honey, but collection from rural areas has fallen by 75 % and from the forest area by 50 %, where dwindling of bee population has been observed since 2005. Killo Demudu said:

“The bee population has come down due to the cellular towers and mobile phone radiation. With a high intensity of radiation, worker bees are confused in returning to their own combs to feed baby bees.” “As cellular towers have come up and mobile phones are being used in even forest areas, the population of bees has come down drastically,” says Prof B Bharatha Lakshmi, Department of Zoology, Andhra University. (VKL Gayatri: “Cell towers, mobiles spell doom for honey bees” The Hans India, November 20 2017)



Indian injunction against mast for ill-health

The Principal First Civil Judge and JMFC at a Mysuru court has granted temporary injunction against activating a mobile tower in Gokulam 3rd Stage in the city after nine residents filed an application in the court claiming that the residents living close to the mobile tower will be in a high radiation zone and hence prone to ill-effects of EM radiation. (“Court grants injunction against activating mobile tower” The Hindu, October 12 2017)

India: residents get illegal phone mast demolished

The Bhubaneswar Municipal Corporation (BMC) on Saturday ordered the demolition of a mobile phone tower following

complaints from residents of Sashtri Nagar area. The locals said the tower was installed less than 100 metres from a school and a temple, in violation of the Special Regulation for Installation of Telecom Tower in Urban Areas, Odisha, 2013. The advisory said that birds and bees were being harmed due to the EMR from the towers. (Riyan Ramanath: “Citizens join hands to bring down mobile phone tower” Times of India, August 13 2017)

EM dangers

“EM radiation web is more harmful to us than the concrete jungle we are living in. Mobile phones, tabs, laptops, microwave ovens and even LED light fittings are causing EM radiation.” (“EM radiation causing heart-attack, cancer,” Siasat Daily, October 15 2017)

Lecture in Australia: 5G concerns on health effects

More research is needed into the potential health effects of new 5G mobile phone technology before it is rolled out in Australia, international RF expert Professor Dariusz Leszczynski, from the University of Helsinki, told a public lecture at Griffith University in Brisbane. (Isobel Roe: “5G phone network: Expert concerned by lack of understanding of potential health effects” ABC News, August 18 2017)

Wireless charging

Powercaster has developed a wireless radiation charger which can charge devices up to 80 feet away. It uses the unlicensed 915 MHz ‘ISM’ band for radiation power to trickle charge batteries, or for direct power for devices without batteries, and also for data. The User’s Manual for the TX91501, 915 MHz Powercaster™ Transmitter (page 5, Rev. A, 2016/08)

states: “WARNING! ... the following conditions: 1. This equipment should be installed and operated such that a minimum separation distance of 23cm is maintained between the radiator (antenna) & user’s/nearby person’s body at all times. 2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.” (“Wireless Power Dev Kit with FCC-Approved Transmitter Charges Devices up to 80 feet”, Everything RF, July 14 2017)



NASA 1981 report: microwave sickness

A 1981 NASA report, “Electromagnetic Field Interactions: Observed Effects and Theories”, described microwave sickness. The symptoms recorded were headaches, eyestrain, fatigue, dizziness, disturbed sleep at night, sleepiness in daytime, moodiness, irritability, unsociability, hypochondriac reactions, feelings of fear, nervous tension, mental depression, memory impairment, pulling sensation in the scalp and brow, loss of hair, pain in muscles and heart region, breathing difficulties, increased perspiration of extremities.

SPY AGENCIES AND MICROWAVE GUNS

Dr Chris Busby: COMARE, aborted flight and “being chased by Our Man in Stockholm”

Dr Sarah Starkey's study showing that PHE's AGNIR 2012 Report was 'inaccurate' and 'unsafe' was published in 2016. AGNIR was disbanded in May 2017. Its non-ionising role has been moved to the government's COMARE (Committee On Medical Aspects of Radiation in the Environment), set up in 1985 to quash concerns about a childhood leukemia cluster discovered near the Sellafield nuclear reactor. According to Dr Chris Busby, an independent nuclear expert, COMARE “always pops up and attacks any paper I write, several of which are published in peer-review journals, though interestingly COMARE itself never publishes anything in peer review journals.”

He reports that the year 2017 saw increasing pressure on the radiation protection apparatus of European countries “which is now clearly imploding”, because of studies showing statistically significant increases in congenital malformations in children born after Chernobyl [Schmitz-Feuerhake et al, *Envir Health Toxicol.*, 2016]. This “new and important evidence”, under the EURATOM Basic Safety Standards Directive 96/29, requires a re-Justification process. It had also been found that the epidemiological study of the Japanese A-Bomb groups, the basis of radiation exposure laws, was dishonestly manipulated [Busby C, *Genetics*, 2016].

Dr Busby arranged to stay in Stockholm for a week of legal hearings, with an EasyJet return flight to London Luton from Stockholm Arlanda at 9.20pm on 11th September 2017. Subsequently he was invited to give a presentation to COMARE on 12 September at Church House, Westminster, where Richard Harrington MP, minister at the Department of Business, Energy and Industrial Strategy, would be present.

“The BEIS bought me a flight from Stockholm to London Heathrow, and booked me into a hotel at Paddington. This was SAS flight 1527 leaving Arlanda Terminal 5 at 8.00pm. At Arlanda we checked in to the SAS flight and boarded the plane about 15 minutes before scheduled departure, but then the plane sat still for about an

hour. Then the Captain said that the engine had broken down and we could not fly. We all disembarked. I had thought that something like this would happen. It was now about 9pm and I still had the faint possibility of taking the EasyJet flight at 9.20pm. The Easyjet flight was delayed to 10.00pm, so I ran

like mad with my suitcase and backpack to the exit. At this point, I noticed someone running after me. In fact, I had registered being followed from the SAS plane by this guy, about 45, in a suit, no luggage, but a raincoat over his arm. I turn and



ask him why he is running after me. ‘I am trying to catch another flight’, he replies - public school English accent, shiny black shoes, standard 1955 black and white ‘B’ movie spy. I run out to where the aircraft are. He comes after me. I collar a passing van to see if I can hitch a ride to Terminal 2. I explain that I am trying to get to Terminal 2, critical, meeting in London with Minister etc. They want to see my passport and boarding card. They do the same for the spook. He is from London, shows his passport, looks sick. They call us a bus. Spook (who is avoiding me now) sits at the very back of the bus. I sit at the front. The driver sets me down at the gate for EasyJet. The spook exits running and rapidly disappears. No baggage.”

Dr Busby eventually got via Luton to London ready for the meeting the following day. At the COMARE meeting: “One slip: Gibson says that no one on COMARE has or ever had any connection with the nuclear industry. In the question session I ask him about Richard Wakeford. He changes his text. My attempt to tape the meeting was blocked by Matt Clarke, another government fireman.

And what about the Minister? Well, how sad—he couldn't come, was detained by a 3-line whip due to an important vote in the Commons. I later looked at Hansard and saw that there was no vote in the Commons that afternoon.

They never expected me to come. The flight was blocked somehow, but I evaded their operation

running like Jason Bourne and dodging about on airport runways being chased by Our Man in Stockholm. Then they had to fall back on Plan B. Keep the Minister away, ban any recording of the presentation, root out a couple of COMARE stooges to keep up the appearance of listening.

And finally, COMARE stated quite clearly that they were not going to do anything about the evidence of dead babies and congenital malformation after Chernobyl given in 20 peer-reviewed scientific papers. They didn't have to, no-one important had asked them to, and they wouldn't."

(Chris Busby: "Strange Events in September: Pressure on Swedish and UK Radiation Risk Scientists to Re-Evaluate Exposure Laws" Counter Punch, October 2 2017)

Dr Katherine Horton: attacked by microwave guns

Dr Katherine Horton completed a DPhil in high energy physics at Hertford College, Oxford. She also worked at CERN and was a



Junior Research Fellow at St John's College, Oxford, until 2012. She experienced debilitating attacks from microwave weapons by international agencies.

In May 2016 Dr Horton brought an application for an injunction against SIS, MI5 and GCHQ in the High Court in London. It was rejected in July 2016. The three transcripts on stop007.org comment on how surveillance and intimidation, along with microwave weapons, are now being used by allegedly government agencies against private individuals without regard to human rights.

SIS (Secret Intelligence Service) or MI6 (Military Intelligence, section 6), the UK's foreign intelligence based at the SIS Building on the South Bank in London, is responsible to Boris Johnson, MP, the foreign secretary. MI5 (Military Intelligence, section 5), the UK's domestic intelligence agency based at Thames House, Millbank, London, is responsible to Amber Rudd, MP, the home secretary. GCHQ (Government Communications Headquarters) based at Cheltenham, is responsible to Boris Johnson, MP, the foreign secretary.

Interview with Dr Horton on YouTube: "High Energy Physicist, Dr. Katherine Horton, Tells of her Debilitating Attacks From Govt Weapons" (1 hr 10 minutes).

www.youtube.com/watch?v=a_h921GCGsl

PHE / ICNIRP / WHO MINORITY CLIQUE "A hard nut to crack"

WHO: "a hard nut to crack"

As at the end of November 2017, the WHO/ICNIRP/PHE clique were still in crisis. The nut had not been cracked and they were still upholding the invalidated heating hypothesis proposed by Schwan in 1953.

WHO subservient to Atomic Agency

The World Health Organization is not free to promote all aspects of health. Under an agreement of 1958 the WHO

handed over control on radiation to the IAEA (International Atomic Energy Authority). The WHO, therefore, does not have freedom to work for everyone's health as regards radiation.

ICRP and ICNIRP review principles

On June 27 2017 in Geneva the ICNIRP and ICRP, with ILO, IRPA, UNSCEAR and WHO representatives, discussed the principles for protection from ionising and non-ionising

radiation. An ad hoc Project Group will update the ICNIRP Statement of 2002 on the "General approach to protection against non-ionizing radiation".

PHE sees 'no health dangers' from smart meters

Smart Energy GB states on its website: "The smart meters used in Britain have undergone one of the most rigorous safety testing regimes in the world and exceed every UK and EU safety standard. Public Health

England, the government's agency on public health, has said that exposure to radio waves from smart meters is well within guideline levels, and is many times lower than the exposure from wifi and mobile phones."

"Public Health England sees no risk or dangers to health from smart meters. The smart meters used in Britain have undergone one of the most rigorous safety testing regimes and exceed every UK and EU safety standard."

[Lamech F, 2014 showed that smart meters in Australia caused EH and exacerbated ES symptoms. These symptoms occur well below PHE/ICNIRP's heating limits. Smart meters ought to comply with EUROPAEM EM Guidelines 2016 – Ed.]

NHS Choices "information" is factually wrong

The page on EM radiation was last reviewed on 01/04/2016 but at that date it was factually wrong in many of its key denials of established harm:

(a) "most current research suggests it's unlikely that radio waves from mobile phones or base stations increase the risk of any health problems." "The balance of evidence currently available doesn't suggest there's a risk to people living or working near base stations."

[These two claims are wrong. Khurana's review of 2010 showed that 80% of studies showed increased cancer up to five times within 500 metres of a phone mast. This has been known since 2002. – Ed.]

(b) "the only known effect of radio waves on the human body is a very small rise in temperature of up to 0.2C. This is comparable to natural increases in temperature, such as during exercise, and doesn't pose a known risk to health."

[This is wrong: e.g. therapeutic procedures using radio waves

with frequency, duration and pulse modulation, not heating, have been known for over 40 years. – Ed.]

(c) "radio waves are not thought to damage or alter the DNA in human cells."

[This is a wishful belief by NHS Choices. DNA damage from radio waves was established in the 1995. – Ed.]

(d) NHS Choices still refers to the non- peer-reviewed AGNIR report of 2012.

[This was shown in a peer-reviewed study of 2016 to be 'inaccurate' and 'unsafe'. – Ed.]

ICNIRP: People should decide whether to believe ICNIRP or majority scientists

Eric von Rongen, chair of WHO's ICNIRP since May 2016, spoke at the Swedish Radiation Safety Authority's conference in Stockholm on May 19 2016.

When asked by Mona Nilsson which people should believe, the no-precaution beliefs of the 14 members of the private group ICNIRP, or the precautionary advice of the 220 majority scientists, he replied: "Everybody can believe what they want. If those scientists think that there is enough evidence then it's their responsibility to draw their conclusion. We draw different conclusions from that. It's up to people to decide which group they think is more reliable and what they should believe."

("Is straling van mobielenwifischadelijk?" ["Is radiation from mobile and wifi harmful?"]
www.youtube.com/watch?time_continue=2&v=P_Jlu1okWCiJUNE16 (2016, 1 min.).

'Blunder' by WHO EMF Project's and ICNIRP's bosses

"Emilie van Deventer completely avoided response to the question from Mona Nilsson. Interestingly, Emilie van Deventer did not defend at all

the correctness of the ICNIRP's science evaluation that was done for the WHO EMF Project. Emilie van Deventer did not say that the ICNIRP evaluation of science is the correct evaluation.

Similarly, Eric van Rongen, Chairman of ICNIRP did not defend at all the validity and correctness of the ICNIRP's evaluation of science.

Instead, Eric van Rongen stated that people can choose what opinion on science they prefer, the opinion of ICNIRP or the opinion of the 220 scientists who signed the Appeal.

This is a massive "BLUNDER" from Van Rongen and van Deventer. It is an ADMISSION that they both have doubts about the reliability of the evaluation of science by ICNIRP."

(Prof. Dariusz Leszczynski: "BLUNDER" by ICNIRP's and WHO EMF Project's bosses" BRHP, September 13 2017)



ICNIRP member researches into 'psychosocial triggers to EHS'

The Australian Centre for Electromagnetic Bioeffects Research (ACEBR), led by the University of Wollongong, has been awarded \$2,499,671 by the National Health and Medical Research Council over 5 years to continue its investigation into EM health risks including potential psychological impacts and hypersensitivity. The director, Rodney Croft from UOW's School of Psychology, a member of the private group ICNIRP, said "The research ...

will also look at better understanding of RF exposure to and within individuals and the community more generally; the exploration of psychosocial triggers to EHS; and the understanding and improvement of strategies for the communication of RF risk information.” (Ben Langford: “Mobile phone, wi-fi health risks studied at UOW” Illawara Mercury, October 12 2017)

ACEBR, WHO/ICNIRP and missing evidence

A new book by the minority-viewpoint clique of pro-wireless industry activists seems to be a clear example of their pre-scientific approach. Chapter 24, “Perceived Hypersensitivity: Anecdotal Versus Objective Evidence” (pages 365-383) was written by Verrender A, Dalecki A, Loughran SP and Croft RJ, all from the pro-wireless Australian Centre for Radiofrequency Bioeffects Research (ACEBR). It omits the key papers on the subject of this chapter which have been published in the last four years – e.g. Belpomme et al, Belyaev et al, De Luca et al, Dieudonne et al, and Pall. In addition it fails to distinguish the sceptics’ favoured electrophobia or the Nocebo effect from real electrosensitivity, where the congruence is said to be only 1% of those with real EHS. It also belittles the very best objective evidence, viz auto-aesthetics or self-awareness, in an attempt to maintain the industry line against evidence-based research.

The book’s blurb reveals its approach that money trumps science: it “considers how to decide whether or not to spend money on certain mitigation measures, based on cost-benefit analyses ... is an indispensable source of information for manufacturers, government regulators and

regulatory agencies”. Even more concerning is the fact that two of the four authors are associated with WHO/ICNIRP, explaining why the non-peer-reviewed claims of WHO/ICNIRP on EHS have such little scientific validity. It also accepts that: “The major recent development regarding RF safety that has affected political discourse is the classification of RF energy as “a possible carcinogen” (Class 2B) by the IARC.” It seems unaware that the notorious AGNIR 2012 Report has been shown to be “inaccurate” and “unsafe” since it claims: “In particular, the AGNIR (2012) review ... can be used to illustrate some broad conclusions that can be made”. (Wood AW, Karipidis K (edd.) “Non-ionizing Radiation Protection: Summary of Research and Policy Options, 2017)



Another ICNIRP provocation test failure: “proves nothing”

Yet another provocation test failure has been published, authored by Rubin, Croft et al, some belonging to the minority sceptic ICNIRP clique. The abstract admits that “the present experiment failed to show a relationship between RF-EMF exposure and an IEI-EMF individual's symptoms.” The authors tested only three subjects, but the abstract does not say whether these subjects were screened beforehand for whether they were EHS. In contrast, studies like Professor Belpomme’s of 2015 confirmed

that EHS can be shown by objective physiological markers; it covered hundreds of people with EHS. (Verrender A, Loughran SP, Anderson V, Hillert L, Rubin GJ, Oftedal G, Croft RJ, “IEI-EMF provocation case studies: A novel approach to testing sensitive individuals” Bioelectromagnetics, 2017)

Conflicts of Interest, ICNIRP and WHO EMF Project

“At the Budapest meeting, Repacholi advised that since he had established the International EMF Project at WHO, and as ICNIRP was now working closely with this project, it was a conflict of interest for him to remain as Chairman or as a member of ICNIRP. As such, he resigned.” “ICNIRP members have taken a leading role in assisting WHO’s International EMF Project with its first systematic review of the scientific literature to determine whether there are any health consequences from exposure to radiofrequency fields.” “The authors declare no conflicts of interest.” (Repacholi MH “A History of the International Commission on Non-Ionizing Radiation Protection” Health Phys, 2017)

Ray Kemp of COMARE and GSMA:

2B cancer classification “One of the more difficult issues to explain”

The wireless industry’s GSMA [Global System Mobile Association] has updated its 2009 guide on risk communication. It now accepts that the IARC Group 2B human carcinogen classification of 2011 is a problem. Both guides were written by Ray Kemp, who, since 2016, has been a member of the UK government’s and PHE’s COMARE, the group which has taken over from PHE’s AGNIR in advising on EMF health dangers. He was a former chair of Australia’s

ARPANSA, another group within the minority clique still denying non-thermal health effects. "One of the more difficult issues to explain is the IARC's classification of RF EM fields, including mobile phones, as a possible human carcinogen (2B)." (Ray Kemp in consultation with Jack Rowley for the GSMA: "Risk Communication Guide for Mobile Phones and Base Stations" 2017, p.24)

Time to classify EM radiation as a certain class 1 human carcinogen?

In 1986 tobacco smoking was classified as a human carcinogen, 35 years after it was linked with lung cancer. Tax revenue still led to some governments to allow thousands of unnecessary deaths. RF EM exposure was linked with brain tumours in 1953 and ELF with childhood leukaemia in 1979. Experts say that evidence now requires both to be classified as class 1 human carcinogens.

WHO's false claims: out of date and not peer-reviewed

The WHO's statement that "to date, no adverse health effects from low level, long-term exposure to radiofrequency or power frequency fields have been confirmed", was published on July 3 2002. It was not peer-reviewed. It would be impossible to publish such an invalidated claim today, now that EHS has been established scientifically and the evidence for RF EM exposure requires classification as a class 2A or class 1 human carcinogen. The notorious WHO Backgrounder 296 on EHS, similarly invalidated by the current evidence, dated from 2005 and was not peer-reviewed.

The WHO and covert sterilisation in Africa

A scientific paper claims a depopulation programme during 2013-15 turned a World Health Organization 'tetanus' vaccine into a sterilisation drug. In 1976 WHO researchers allegedly produced a tetanus and hCG vaccine causing infertility. Black

women in Kenya were encouraged to receive the tetanus vaccine. About half the vials examined independently included the infertility drug. Real Farmacy claimed: "The women are deliberately lied to and told the injections are meant to 'protect your health'. But the real reason for the shots is to exterminate blacks in the name of 'science' and 'medicine'. In 2010 the Bill and Melinda Gates Foundation announced \$10 billion to help the WHO population reduction goals in part with 'new vaccines'."

(Oller JW et al: "HCG Found in WHO Tetanus Vaccine in Kenya Raises Concern in the Developing World" Sci Res., Open Access Libr J, 4(10), 2017; David Wolfe: "Exposed: Sterilization Drug Found In Common Vaccine Used In Africa"; "Groundbreaking Science Paper Reveals Depopulation Chemical Covertly Spiked into Vaccines" Real Farmacy; Natural News: "The Science Agenda to Exterminate Blacks" vimeo.com/241627513; 56 minutes; "Bill Gates promises \$10 billion for vaccines" Reuters, Jan. 29 2010)

ES STORIES

ES story

A debilitating journey as an electrosensitive individual serves as a wake-up call to the hidden dangers we are all exposed to living in a wired world.



Alison Main, "ElectroSensitivity: When the Modern World Hurts" Best Self Magazine, August 2017; <https://bestselfmedia.com/electrosensitivity/>

Living in a shed: "felt like I was in a meltdown"

Rachel, a single 43-year-old former therapist from Chichester, West Sussex, who also suffers from lupus and receives benefits, was forced to give up her job and home to live in a shed after she developed violent shakes, burning rashes and headaches because she is allergic to WiFi. She

was forced to move into a shack at the bottom of a pal's garden. Rachel said: "At first I had mild symptoms, I noticed when I switched to a cordless phone my ear would burn after about ten minutes, and when I tried to use my laptop using WiFi I became very fatigued so I resorted back to using a wired-up connection. I found out later that the mobile phone masts out the back of me had gone up from 2G to 4G and my new neighbour who had moved in was using a BT hub against the wall."

She first began feeling unwell in December 2015 when she switched to a cordless phone, which caused her ear to burn for ten minutes and ever since she has experienced violent shaking, severe head pains and disorientation. "I couldn't sleep more than a few hours at a time and felt like I was in a meltdown."

When she socialises she even asks friends to turn off their mobile phones just in case the signals cause her to violently shake or suffer disorientation. "I never imagined I'd be in this situation when I have a sweet little home I've rented for 17 years and good neighbours, yet I have now become too sick to live there. While I am predominately affected by microwave radiation, now that I am this sensitive, I can't be too close to electrics for long, so I'd need to switch electrics off in a caravan and likely install a wood burner for heating. I don't have the funds for any of this and I don't have any possessions I can sell, and given I have arthritis, bowel and bladder and gynaecological diseases, living in a caravan in a damp country would be very challenging on my health.

I would like to break through the taboo of a condition that people have little awareness of, so that anyone suffering from this receives understanding and support from those around them, and that it becomes easier to get a diagnosis."

(Adam Bennett: "Woman forced to give up home and job to live in a shed as she's allergic to WiFi" Mirror, January 19 2017)



Two visitors this year for EHS sufferer: "It's heart-breaking"

Kim De'Atta also suffers from electromagnetic sensitivity - causing her migraines, fatigue and infections. As a result of the illness, she is rarely able to leave her home in Chard, Somerset, preventing her from seeing many of her friends and family. Speaking to Mail Online last year, she said: "Most of the time people think I am mad. It is so difficult because people are not feeling it themselves. I have not seen friends and family for so long. I have had two visitors for half a day each this year. It's heart-breaking really."

(Alex Matthews: "Mother who believes a 'Wi-Fi allergy' drove her 15-year-old daughter to kill herself urges the removal of wireless internet from schools across Britain" Daily Mail, Nov. 16 2017)

Extreme measures to escape EHS

Tim Hallam, from Leamington Spa, has been forced to take extreme measures to escape his electrosensitivity. His battle with the illness can be traced back to when he was 16 years old and developed tinnitus after going to a concert where a pistol was fired into the air. It was later made worse by him playing a clarinet in two orchestras. Mr Hallam's bedroom door and ceiling is lined with tinfoil and his bed is covered in a silver mosquito net. Beneath the wall paper and under the flooring, is also another layer of tinfoil. He takes these precautions in an effort to escape radiation caused by Wi-Fi, phone signals, radio and TV screens. Mr Hallam has spent £1,000 transforming his room, but it is a necessity as otherwise he suffers – headaches, muscular pain, dry eyes, memory lapses and irritability. He told the Guardian in 2013: "The room is completely insulated; the edges are sealed with aluminium tape and connected with conducting tape so I could ground the whole room. Grounding helps with the low frequencies radiation, apparently. The high frequencies just bounce off the outside. It's so hard to get away from, and it's taken a toll on my life."

(Alex Matthews: "Mother who believes a 'Wi-Fi allergy' drove her 15-year-old daughter to kill herself urges the removal of wireless internet from schools across Britain" Daily Mail, Nov. 16 2017)

Living with EHS: hypersensitivity to solar flares and numerous allergens

Christian Blom from Finland has given a detailed account of his development of EHS in 2003. Physically he reacted to numerous allergens in addition to electromagnetic exposures, including mould, dust, smoke, sunlight, smells, mental sensations, sounds, geomagnetic events like solar flares, and air pressure. These produced a hypersensitivity, growing out his earlier asthma and chemical sensitivity. Numerous doctors were unable to provide much help, although some took his condition very seriously and conducted many tests.

For sleeping Christian needs microwave radiation around 0 to 5 microWatts/m², and cannot tolerate anything above 10 to 20 microWatts/m². At 50 Hz, power cables, he reacts most to energy-saving bulbs, transformers and dimmers. He also reacts to fridge and freezer compressors or their sound, and often has to turn them off. In addition he reacts very strongly to solar flares. He becomes very ill if the atmospheric radiation exceeds 30 to 40 nanoTesla, or the speed of the solar wind during a solar flare exceeds 400 km per second.

On the evening of January 31 2004 he suffered a severe EHS reaction in Helsinki. The following day he discovered that the largest telephone operator had started a new mobile network on the previous evening. This was its first digital broadband transmission to provide GSM-Edge, or 2.5G.

In 2009 he underwent treatment for throat cancer. He was still unable to claim retirement on health grounds, since he remained healthy and thus seemingly able to work in most other respects.

He notes that Professor Osmo Hanninen describes EHS in the following way: "Electrosensitivity is all about a serious disturbance of the autonomic nervous system." He comments on how EHS, as an "invisible disease", gives rise to "the elusive feelings we almost always experience as electrosensitive patients", and how the symptoms vary, some in recurrent patterns. "All symptoms seem to be related; they emanate in some way 'from myself,' for what has always been me and my way of reacting with my body." These symptoms in turn create panic and fear because of the trauma experienced as a result of electrosensitivity. "I am still convinced that falling ill with EHS is tremendously psychologically traumatizing for the patients." (Christian Blom: "Escaping Electrosensitivity" chapter 10 in: Martin Walker (ed.) "Corporate Ties That Bind" SkyHorse, 2017, pages 180-199)

Forced to retire due to EHS

"Dave Ashton was an IT consultant in the UK and Europe until 2010, when he was forced to retire due to electromagnetic hypersensitivity (EHS). He now spends his time advocating for safe technology, and the formal recognition of electrosensitivity as a bona-fide pathophysiological condition which, despite industry claims, is directly caused by the harmful electrosmog in our environment. Mr. Ashton, like most who become EHS, saw the 'light' about the health problems associated with the current craze and infatuation with Wi-Fi, 'smart' gadgets, iPhones and other paraphernalia, which emit non-thermal radiation waves."

(Catherine Frompovich: "Are You Impacted By Electrosmog?" Activist Post, June 24 2017)

"I became electrosensitive visiting in hospital"

"I am electrosensitive and could barely sleep at all during a week-long hospital stay. The Wi-Fi router was just outside my room.

I became electrosensitive when spending many hours per day visiting my companion in hospital where he was being treated for mesothelioma. The doctors removed the affected lung, but the

incisions did not heal - was this in part due to the presence of Wi-Fi in the room?" (Meris R. Michaels, BMJ Rapid Response, August 15 2015)



Mobile phone mast causes EHS

Linda K., a Michigan resident, explained how she became increasingly sensitive to EMF after a cell tower was placed within 1000 feet of her house. She experienced insomnia at first and did not know there was a cell tower until several years later when she then associated the timing of its placement with her symptoms. After smart meters were installed in her area (but not on her house) she became sensitive to her laptop on wireless and her cell phone. Comcast then placed a Wi-Fi hotspot within 400 feet of her house and she stated her symptoms increased to the point that if she was outside in her yard more than 20 minutes she developed increasing fatigue, headaches, heart palpitations and high pitched ringing in her ears. These are all reported effects in those sensitive to EMF from wireless devices. She wrote about her concerns and that the new frequencies may add to her symptoms and inability to leave her house. (Dr Cindy Russell: "A 5g wireless future: Will it give us a smart nation or contribute to an unhealthy one?" (SCCM (Santa Clara County/Monterey County Medical Association), Jan/Feb.2017)

'Notice of survival'

"This is a notice of survival. What many of us deal with currently is trying to survive in an environment that is hostile to us biologically. We have lost all of our rights, our finances, our homes, our ability to earn a living due to this ubiquitous exposure. We are being tortured every second of every day and have been reduced to simply trying to survive the moments we are alive. Others have been unable to do so and have opted to not stay living on this planet of torture... There is no escape for people with severe sensitivities to this deadly radiation." (Letter by Veronica Z; Dr Cindy Russell: "A 5g wireless future: Will it give us a smart nation or contribute to an unhealthy one?" (SCCM (Santa Clara County/Monterey County Medical Association), Jan/Feb.2017)

Electrosensitivity UK

www.es-uk.info

ES-UK:

*For all people sensitive to
Electromagnetic Fields and
Radiation.*

Founded 2003.

Registered Charity No.: 1103018

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Aims of ES-UK

1. To help people suffering from electrosensitivity.
2. To educate the public about electrosensitivity and related areas.

Support ES-UK

Cheques, payable to ES-UK, should be sent to:
The Treasurer, BM Box ES-UK,
London, WC1N 3XX,
from who you can obtain Standing Order, Direct Debit and Gift Aid declaration forms.
A donation of £15 per year, or whatever you can afford, helps with the running costs of ES-UK.

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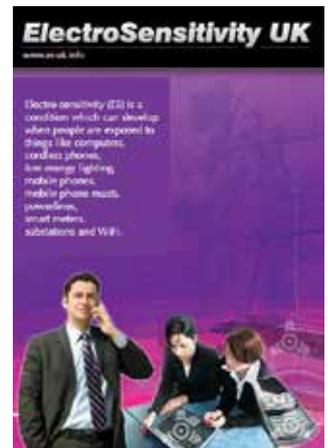
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Professor Olle Johansson

Resources:

Please see the website www.es-uk.info for the following resources.

- ES Directory: an independent list of suppliers of equipment for people with Electrosensitivity
- Letter to doctors on Electrosensitivity, by Dr Andrew Tresidder
- Letter to psychologists on Electrosensitivity, by Dr Andrew Tresidder
- Disability Letter
- *Selected ES and EHS Studies* (list of peer-reviewed articles and links)
- *Electromagnetic Sensitivity and Electromagnetic Hypersensitivity: A Summary* by Michael Bevington (new edition, 2013)
- Copies of past *Newsletters*
- ES-UK Leaflet (*see right*). This leaflet is an excellent introduction to what ES is, with notes on its symptoms and causes (updated September 2013). Give it to your friends, or anyone interested.



Newsletter

Thanks to Gordon Flavell for the use of photographs ©
and to Brian Stein for printing and distribution.

Contributions for the ES-UK Newsletter on any subject related to Electrosensitivity are welcome. Please send them to the Editor: Michael Bevington, BM Box ES-UK, London, WC1N 3XX, or email: michael@es-uk.info

Electro-sensitivity (ES) or Electromagnetic-Hypersensitivity (EHS) is a physical intolerance which can develop from exposure to things like mobile phones, WiFi, mobile phone masts, computers, cordless phones, smart meters, low energy lighting, powerlines and substations.

- **Common symptoms:** headaches, skin problems, sleep disruption, lethargy, depression, memory loss, muscle pains, cardiac palpitations, irritability and some cancers.
- **Diagnostic tests** include: 3d fMRI, cerebral blood perfusion scans, heart rate variability, genetic DNA sequencing, a personal history tracking the onset of the hyper-sensitivity and EM exposure.
- **The key treatment:** avoidance of the radiation, especially in sleeping areas. Some sufferers use military-style shielding or protective clothing, or have to live in a remote area away from man-made radiation. As healthy a lifestyle as possible is also advised.
- **Numbers** of severely sensitive people are under 1%, but up to 40% of all adults are subconsciously sensitive to EM exposures because of long-term inflammatory conditions. Some EHS are also chemically sensitive.
- **The different condition of Electrophobia**, or a Nocebo effect, is psychological and affects perhaps only 1% of people with real physiological EHS. Electrophobia requires prior psychological conditioning and therefore cannot apply to children, unaware adults and animals, all of which can suffer real physical electrosensitivity.
- **Electrosensitivity was first described** in the medical literature in 1932. It is now recognised legally as a disability in many countries. It began with electrical, radio and radar workers. Since then it has spread into the general population, as mobile phones, phone masts, WiFi and wireless smart meters have become common. It is considered a functional impairment as regards the Equality Act.