



## The World Foundation for Natural Science™

*The New World Franciscan Scientific Endeavour of The New World Church*

*Restoring and Healing the World through Responsibility and Commitment in accord with Natural and Divine Law!*

FACT SHEET

# Microwaves

APRIL 2015

## The Danger of Microwave Technology

Interview by Dr. Zac Cox, The World Foundation for Natural Science for England, of Mr. Barrie Trower, a globally recognized expert in the impact of wireless technologies on life.

November 13<sup>th</sup>, 2010, Ulm, Germany at the 15<sup>th</sup> Scientific World Congress of The World Foundation for Natural Science

In this interview Mr. Trower talks in detail about the legal and ethical implications and the physical impact of the use of wireless technologies on humans, on the environment, on cellular life, mammalian life, birds and bees ... he makes it obvious, that we urgently have to stop the unchecked proliferation of the unnatural microwave technology and that we immediately have to develop a new technology for mobile communications and data transmission that is in accord with nature.

### About Barrie Trower

Mr. Barrie Trower received his first degree in Physics from the University of Exeter, a second degree (research) from the Council for National Academic Awards and a teaching diploma in human physiology. He trained at the Government's microwave warfare establishment for the Royal Navy and worked with the R.N. underwater bomb disposal unit, which involved training in microwave warfare.

Barrie Trower also served in the conflicts in Borneo, Aden and the British West Indies. He was a teacher at the country's top secure unit which housed spies and a part of his brief was to obtain information on matters relating to microwaves. Mr. Trower is the author of the TETRA report for the Police Federation of England & Wales. During the last years Mr Trower has advised royalty, governments, lawyers and scientists in over 40 countries about the impact of wireless technologies and microwave radiation on man and nature.



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**Dr Zac Cox:** Back in 1993 the World Foundation for Natural Science began to warn the world about the dangers of microwave technology, and today I'm glad to say, that I'm joined by scientist and microwave expert, Barrie Trower. Barrie, thank you for joining us.

**Barrie Trower:** It's my pleasure. This really is my pleasure.

**Dr Zac Cox:** I understand you have a wealth of experience with microwaves. Can you begin by explaining to us, how you began your career in microwave technology?

**Barrie Trower:** Yes, of course. In 1960 I was in the Royal Navy. I worked partly with the underwater bomb disposal unit, partly with microwave warfare and some of the other time with radar. Microwaves were involved in all of those three different areas. So, whilst I was in the Royal Navy I trained in all aspects of microwave technology. And, as anybody will tell you that's been in the forces, the training you receive, is second to none. You practice it, you talk about it all day, you sleep it – so, since 1960 I have been involved in all aspects of microwave technology. After that, a part of my job, because I had microwave expertise, was to question captured spies during the Cold War when Russia and America were within seconds of global nuclear war. And microwaves by then were really sophisticated stealth weapons. And a part of my job was to find out

from any spies who had been captured, what the current knowledge was in that part of the world. Since then, I've taught advanced physics, which of course involves microwave lectures and technology. I was commissioned by the Police Federation to write the safety reports on their microwave equipment twice, the last one was the updated one. And I have had a series of papers published, which are all on the internet, and currently, I travel the world free of charge, trying to advise governments, counsels, people, royalty, anybody, about the sensible way to use microwaves and not the dangerous way, which involves children, animals being harmed.

**Dr Zac Cox:** Thank you. Just for the benefit of people who aren't fully aware, in what walks of life nowadays can you expect to encounter microwaves?

**Barrie Trower:** Microwaves are used instead of radio waves for all communication systems: your mobile telephone or cell phone uses microwaves, the microwave towers are almost on every street corner, along the motorway you have the emergency services microwave transmitters – microwaves are now everywhere. And microwaves succeeded radio waves because microwaves will penetrate buildings, that they will go through concrete, brick, anything, whereas radio waves won't. You need an aerial on the roof for radio waves, but for microwaves you don't,

they would just go straight through your house. And of course what people don't understand is, if they are going straight through your house, they're also going straight through you.

**Dr Zac Cox:** And is that dangerous? We are told by our government that they are safe. Is there scientific proof to show they're not safe?

**Barrie Trower:** There are some 8,300 papers, to my knowledge, going back to 1971, where it was proven in government documents, that low level microwaves will cause injury. The main symptom for microwave sickness it is usually a suppression of the immune system, first, followed by neurological problems where the brain is being affected, depression, suicidal tendencies. You will have more colds, more coughs, longer colds, longer coughs, and then at the other end of the line if you are unfortunate, lymphoblastic leukaemia or something in that area. It affects, in order of people, it is always the embryo and children who are affected most seriously first, followed by women, without being sexist, because they have very complicated hormonal systems, they are affected by microwave technology; then, usually, the sick and the elderly and finally fit young men. So, there is in fact an established pattern for microwave sickness.

**Dr Zac Cox:** You mentioned cancers, are we seeing an increase in the number of cancers?

**Barrie Trower:** Oh yes, and going back to your previous question, there is absolute proof, there are to my knowledge, to date, there are four high court judgements proving that low level microwaves will cause cancer. There are twelve epidemiological studies showing that people who live around transmitters, particularly within 500 metres, will get more cancer, more neurological and psychiatric illnesses than people who don't. And there are, to my knowledge, 19, 20, if you count my latest one, there are 19 published legal judgements, not

high court but legal judgements from mayors, counsels, magistrates ordering transmitters to be taken down where it is believed that they have caused cancer to the local population. So there is lots of proof. And two of the epidemiological studies, and by that I mean, for



*Fig. 1: A cell tower in a neighbourhood in the USA. The large number of different antennas lead to a very strong electromagnetic field in the bedrooms of the houses around the tower.*

anyone who is not sure of the word, a study for about ten years, studying all of the doctor's records, all of the population's; two of them were carried out by the industry itself on its own product. And its own conclusion was that these microwaves can cause cancer. So there is plenty of proof: government proof, legal proof, research proof. There is enough proof as to win high court cases and people are.

**Dr Zac Cox:** Can I just clarify that the industry's own research has shown that their product – mobile phones, Wi-Fi, transmitters – cause cancer?

**Barrie Trower:** Oh, absolutely. The most famous one was the Eclog, known as

the Eclog-Report. And their conclusion, it was carried out by T-Mobile, and their conclusion was that these microwaves can trigger the cancer promoters and cancer initiators in the body and one of the industry's other research projects showed that microwaves affected children to the point where children would lose sleep, because they can activate the brain, the microwaves can accelerate and activate the brain. And children would lose sleep. And published research in "Scientific American Mind" actually shows that when children lose sleep they can become depressed and suicidal, very, very quickly. In fact, I can tell you one story, if I may. When I was in South Africa speaking, a teacher of 30 years – and this is on the internet – a teacher of 30 years was the speaker behind me. And he said, in South Africa, he said, childhood suicides were unknown. Misbehaviour to the extent of severe aggression was unknown in South Africa, and he said as soon as the transmitter went up near his school, they started to have psychiatric problems with the children and he said, today, he said, all of my children, all 30 in my class are now on Ritalin for poor behaviour. The whole class is on Ritalin!

**Dr Zac Cox:** That's incredible.

**Barrie Trower:** Absolutely.

**Dr Zac Cox:** I am speechless. So we have the industry admitting that their technology is causing disease.

**Barrie Trower:** Cancer.

**Dr Zac Cox:** We're seeing children being affected in hyperactivity.

**Barrie Trower:** Yes.

**Dr Zac Cox:** Why then do we still have this technology? What's stopping it being removed?

## A multibillion dollar industry

**Barrie Trower:** The industry is believed to be earning some 3 trillion United States Dollars a year, 3,000 billion dollars a year. And it is my opinion, I will have an opinion because it protects me legally, it is my opinion, that when you have that amount of money coming in, I mean, just imagine on a daily basis how much is flowing in, you have the ability to not only hire Land Rovers full of top-lawyers who can argue cases for you, you can buy governments. And you can threaten people with all sorts of things because you have so much power. And

the allies of the industry are the secret services of the governments, hence the governments. Because with this technology not only can the secret services of any country listen to every single thing you are saying through your cell phone, but they can also follow everywhere you go. So they know everywhere you go and everything you are saying and they can monitor the words of every single meeting that you sit down at.

**Dr Zac Cox:** You're not seriously telling me that my government is following everybody's movements?

**Barrie Trower:** They have the ability to. I do know that every single phone call is recorded and logged. Every single mobile phone call is recorded, every single one. Whether they are interested in you, I don't know. Whether they want you followed, I don't know. But they have the ability to do it. So if you have... let's just say you have people who legally and rightfully oppose government policy, like me, what they can do is, they can have everywhere you go followed, every single phone call recorded, they can monitor everybody you talk to. So they will know your whole operation, which gives them an advantage if they want to clamp down on you.

**Dr Zac Cox:** This sounds worse than the Watergate scandal.

**Barrie Trower:** Well it is. So, I mean, you have the secret services, you have the money; the governments themselves love this system because it allows them to snoop on the people. And you have the most powerful industry on the planet. So, you can see why people are resisting cutting down the power and cutting down what they're doing. And it's probably worth...we know three per cent of populations always become seriously ill from microwaves. It may be worth the money and the advantages to the government to lose three per cent of the populations, for the benefits that they are going to get.

**Dr Zac Cox:** Three per cent of the population of the UK must be quite large numbers?

**Barrie Trower:** It's about 1.8 million.

**Dr Zac Cox:** So 1.8 million people will be sacrificed so they can snoop on everyone and take control of...?

**Barrie Trower:** And take the money, I mean, a colossal amount of money. If you think just the population of the UK, 60 million people, we know we have

60 million cell phones, imagine each cell phone the bill is just one pound a day, that's 60 million pounds somebody is making a day. And the bills will be much higher than that. I mean the money and the power you get from this is phenomenal. And in fact, if we go back fifteen years, hypothetically, if we could go back fifteen years, if the government said in any country, if the government said: "We are going to make it law, that every single person carries a little tiny box in their pocket, we're going to listen to every single conversation you have, every business meeting, every consultant meeting in a doctor's surgery, every single word you say, we are going to record, whether your phone is on or off, we have the ability to record. We're also going to monitor everywhere you go, so

the road. So, there is that, you become more lazy. The other addiction is that, there are numerous experiments, I have pages upon pages of experiments, where the microwaves going into the brain they accelerate and, if you like, increase the natural rhythms of the brain, it's called entrainment, they actually accelerate the brain and excite the brain. And we know that a child that uses a cell phone for just two minutes, the brain is accelerated and not back to normal for two hours, around two hours afterwards, and that's just for two minutes. Now you imagine a child in a playground at a school that spends twenty minutes on the cell phone. The brain is not going to be in a learning state for the rest of that period of the day in the classes. The child is probably going to be hyperactive, misbehave....

**Dr Zac Cox:** And a general pain.

**Barrie Trower:** And a general pain, yep.

**Dr Zac Cox:** And is there something you can see on an EEG? Do you see a change in the brain waves?

**Barrie Trower:** Oh yes. It is guaranteed. I have pages upon pages of this type of experiment, it's so easy to do. Most people in this research area have done it

many, many times, and anybody, anybody can do this. Just don't expose your brain to any microwave cell phones or anything for a couple of hours, take an EEG, take one from your heart, an ECG, at the same time, make a call for ten minutes, and take another one. And then, see how long it takes your brain to come back to normal. You'll be absolutely amazed. The Delta-, Theta-, Alpha-, Beta-Brainwaves you'll be amazed how long it takes them to come back to a normal state.

### Microwaves used for weapons

**Dr Zac Cox:** This technology is truly frightening, really frightening.

**Barrie Trower:** Well, this is why it's... microwave weapons were introduced from the 1950s, 60s, 70s to the present day. And this is another level of proof. They are so effective, if you are not in a hurry to get rid of somebody, they are so effective as a stealth weapon, to beam

Mobile ecosystem total revenue forecasts (US\$ Bn)

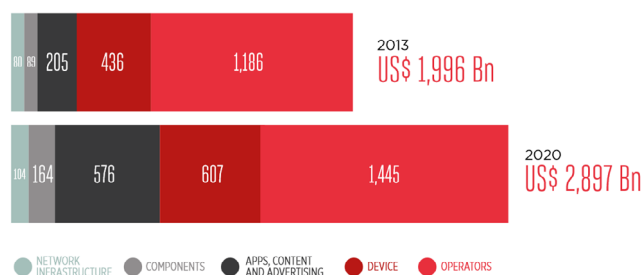


Fig. 2: The total revenue of the mobile ecosystem is forecasted close to 3,000 billion dollars by 2020 by the GSMA mobile economy report 2014.

we're going to know everything you say and everywhere you go. Ah, but there is an advantage. Apart from paying us, which you won't like, you do have the ability to push a few buttons and talk to somebody; we will of course listen to it." There would have been riots in the streets to say we are not having this. But the marketing was so clever, that it's gone out and people are paying them to do this. You must admire them, you know, for the cleverness that it's gone out. But this is the problem. And of course they're addictive.

**Dr Zac Cox:** Chemically addictive? They cause release of hormones in the body?

**Barrie Trower:** They are electrically... the average person works on the lowest level of energy. And, if there is a telephone box half a mile down the road and you have a cell phone in your pocket, the average person will pull out the cell phone and say: Well, this one won't hurt me, dong, dong, dong, dong...hello Mister Smith, rather than walk down

somebody. And this has been done many times and it's recorded. You can beam people you don't like as a government, to give them cancer, breast cancers, neurological illnesses, you can choose what you want them to get.

**Dr Zac Cox:** You can choose?

**Barrie Trower:** Oh, you can choose. You can choose which pulse frequency you want to affect the brain with, you can choose the level of microwave irradiation and the speed that you want them to become ill, it really is a perfect stealth weapon. And all you need to do is rent a house opposite someone you want to get rid of or a group of people you want to get rid of and just beam them. The most famous case during the cold war was the Moscow embassy siege, where in Moscow they beamed the entire American embassy and gave them cancer.

**Dr Zac Cox:** Did they cause cancers in all the staff or in a lot of the staff or...?

**Barrie Trower:** Most of the staff, most of the children got leukaemia, the women developed breast cancer, the gentlemen developed cancers. I think after about 18 months the entire staff was changed and then a following 18 months the entire staff was changed again. And by that time people realised what was going on. And they found that they were being irradiated by microwaves. And rather than say: "Ooh, isn't this disgusting. What have we sunk to?" They thought: "Isn't this wonderful? Let's develop this for ourselves!" And governments today are still perfecting microwave warfare.

**Dr Zac Cox:** Still to this day they're working on the weaponry.

**Barrie Trower:** Still to this day, 2010, they are still perfecting the pulse frequencies, it's got very, very sophisticated, the pulse frequencies, the 'how-long-they-can-transmit', whether it can be one country to the other, bouncing the microwaves off the ionosphere. So you don't even have to be in the same country.

**Dr Zac Cox:** Bouncing the microwaves off the ionosphere? A lot of people won't have heard about this technology. You're talking about the HAARP.

**Barrie Trower:** If you have a super-transmitter, the microwaves, if you beam them, it's only simple basic trigonometry. But, let's say I want to bring economic ruin to a country that grows all of the world's wheat, okay? All I have to do, is, beam microwaves up to the

ionosphere, which is like an invisible cloud around the planet, an ion cloud around the planet, the microwaves going up this angle will reflect off down onto this country. And if I continue to beam, the wheat in this field or the cattle or the sheep I can harm, I can reduce the immune system of the plants, so that they won't be healthy and they will die. And I can stop their growth. And I can bring economic ruin to that country. I can harm all of the animals, the cows, the sheep... It's so easy to do. You only have to push a button and you can bring economic ruin to a country.

**Dr Zac Cox:** What countries have this technology already available? Is it all the countries in the world or just a couple of them?

**Barrie Trower:** It may not be a wise thing to say on a live broadcast, but you can take my word for it, that I know at least two super-transmitters in the world that have this capability, and there are probably more in areas that I do not have access to and I cannot go to. But I know there are at least two.

**Dr Zac Cox:** I need to just go back a little bit, back to your early days in the military. This technology was used by the British government? It was used by the British government against terrorist groups?

**Barrie Trower:** We have 8,300 papers, I have knowledge of 2,300 myself, and what the governments found was, that you could induce, by changing the pulse frequency, like Morse code, of the microwaves going into the brain and interfering with the brain, by specialising on the pulse frequency, you could induce psychiatric illnesses to the point where a psychiatrist could not tell if it is a genuine psychiatric illness or an induced psychiatric illness. So what you can do, theoretically, is you can target an individual's brain. They may have auditory hallucinations where they hear things, which is actually quite common with microwaves, or show signs of schizophrenia. For instance, 6.6 pulses a second can induce severe sexual aggression in men. So, you could induce somebody to commit a really horrific sexual rape. So, technically, what you could do is have somebody committed to a psychiatric hospital or a jail for a crime just by somebody saying that they had a psychiatric problem whereby they didn't. There is that. You can target other parts of people's bodies. You can target the heart and cause heart seizures. You can target the lungs

and cause bleeding. You can target, if you're clever enough, some of the essential glands in the body that control all of the whole hormone systems. So, if you have dissidents or people that you don't like as a government it's very, very easy these days to irradiate them and either have them wind up in jail or in a psychiatric hospital. And of course there's no comeback on you.

**Dr Zac Cox:** Yeah. These weapons the governments have and are still using, are they more powerful than for example the Wi-Fi I might have in my front room or my cordless phone or a mobile phone transmitter?

**Barrie Trower:** No. In fact, actually the power is slightly less.

**Dr Zac Cox:** Less?

**Barrie Trower:** The power is slightly less. The difference is, where you might use Wi-Fi, you might go in after work and do a couple of hours and then leave. And the Wi-Fi is going out in all directions. Here they are targeting you probably with a beam and it is on you all day, it can follow you everywhere you go and it can target you when you're asleep as well. So you're really getting a concentrated dose. It's a bit like putting the light on in your house and sitting with the light or have somebody follow you with a search light and beaming the search light on you all the time. So there is a difference between that. But in fact the power can be less. It just takes longer.

**Dr Zac Cox:** So, I would imagine then that the devices that we have in our houses nowadays are extremely dangerous?

**Barrie Trower:** Not all of the research, because there is research that has been carried out where they have failed to show it is dangerous, but we do have documentary proof, from the governments, one specific paper from the government that lists all of the illnesses that you can get from microwave sickness including severe neurological disorders. We have a government document that actually says, this needs to be kept secret from the Western governments because it will affect the efficiency of the military, the weapons industry and it will also affect industrial profits.

**Dr Zac Cox:** We have the government telling us this technology is dangerous?

**Barrie Trower:** This is the United States Defence Intelligence Agency advising the Western governments to keep this

secret so that they can protect industrial profits and military functions. If you're in the military and a lot of people do start developing tumours you could start suing because the equipment you're using is not safe. So, to avoid that and to protect the industrial profits they put this document out.

**Children need protection**

**Dr Zac Cox:** Going back a little bit to children now, just moving away from the military aspect for a while, why are children more at risk? Are they more at risk?

this, if you wish to ask about that risk, if we look at the average infant in school or small child in school – I'll only concentrate on just a couple of areas of the body – the immune system of a child, a child has soft bones, so the microwaves penetrate the bones, no trouble at all, and microwaves are attracted to water, which is most of what bone marrow is, the immune system of a child takes 18 years to develop. And the first thing we know from microwave irradiation is that it attacks the immune system. So with children, who are not small adults, they are neurologically and physiologically immature adults, the immune system

going to happen. We're probably going to get an epidemic of the muscular dystrophy type diseases later on in life for these children, because of a damaged myelin sheath or insulating coating around their nervous systems.

The other, what I think is the most serious aspect of a child's development... there are experiments that show the ovarian follicles in young girls. Unlike boys who produce sperm as and when they're required on a daily basis, young girls are born with all of the 400 eggs they are going to need to develop into fully grown eggs and children. Now, we know that microwaves affect

the ovarian follicles and can affect the ovarian eggs. We know that the microwaves, there are papers on this, can cause genetic damage. If you think of a young girl at school, she's sitting here and she has the Wi-Fi sets transmitting straight through the uterus into the ovaries. Now, if the young girl damages the ovarian eggs, and we are not going to know this for another fifteen years, if the ovarian eggs are damaged, these are irreparable. They can never ever be repaired. The mitochondrial DNA in girls is irreparable. So when that girl, if she has a daughter, that daughter will carry the genetic damage that has been caused by the microwaves. And when she has a daughter, that daughter will carry the same disease, and her daughter, and her daughter... so we're now not saying we're risking this generation, we're risking the future generations of all of the children in the world from genetic damage. And that's a scary prospect.

**Dr Zac Cox:** That's extremely, extremely frightening.

**Barrie Trower:** It is.

**Dr Zac Cox:** So to clarify that: The eggs cannot repair the mitochondrial DNA.

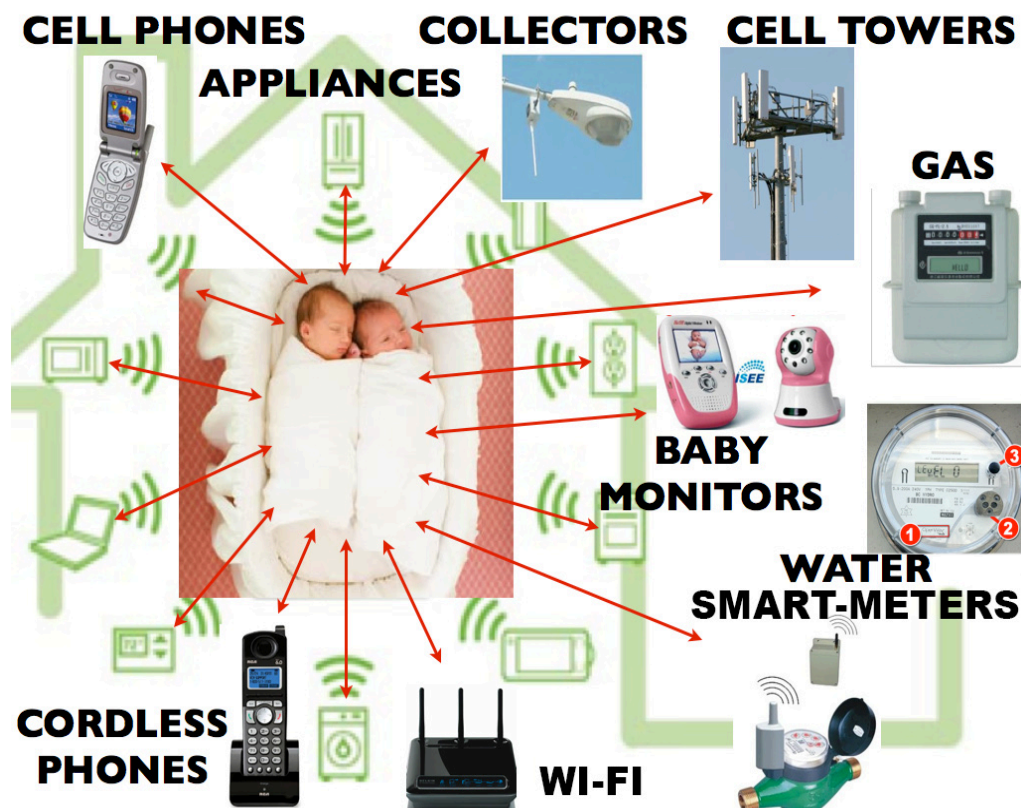
**Barrie Trower:** No.

**Dr Zac Cox:** And so, if a girl grows up with a genetic defect she'll pass on to her daughter...

**Barrie Trower:** Yes.

**Dr Zac Cox:** ...and on, and on, and on.

**Barrie Trower:** And on, and on, and on until there is no more female line left in that family.



*Fig. 3: Children and especially babies need to be protected from microwave radiation! The immune system of a child needs 18 years to be fully developed. It is well known that microwave radiation attacks the immune system which will be damaged before it is ready to protect the health of the child. The number of devices using microwave technology is increasing rapidly. The cordless phones, Wi-Fi routers, baby monitors and smart meters we have in our homes are just the most well known electrosmog producers.*

**Barrie Trower:** As I said earlier, it's always the children that suffer first. A lot of people make the mistake in believing that children are small adults. And unlike medication where you have an adult dose and a children's dose with microwaves there is the adult dose but there is no known safe dose of microwave irradiation anywhere in the world published for a child. And the reason is, and embryos are a special case after

of children is being damaged before it is anywhere near up and running. The nervous system that runs through the body has 122 layers of protein. There is a system of protein synthesis that lays 122 layers around a nervous system. It takes 22 years for this to fully develop. So, all through a child's development what you have is the microwaves affecting the protein synthesis of this system. Now, goodness only knows what's

**Dr Zac Cox:** This is surely a good enough reason to remove Wi-Fi from schools.

**Barrie Trower:** Wi-Fi should be wiped out of schools at a stroke today to protect all of the children.

**Dr Zac Cox:** Why are schools persisting in Wi-Fi if they know it's a risk?

## Governments cover-up the truth!

**Barrie Trower:** Ignorance. It's what I call "intentional ignorance". It seems that government ministers that are trying to promote the telecommunications industry and governments, and it's not difficult in our country, the UK, to find a school where, if every child has their own Wi-Fi that they can walk around with, when the school inspectors come in, they get extra ticks, in extra boxes, and it's what I call "intentional ignorance". They will only look at and believe the research they want to, they will not acknowledge most of the real research and most of the risks. And this is why I think we have this problem. There is such a pressure on advertising and hype to get this technology and then this technology, and this technology. I can remember when I was a child, our king, the King of England, I can remember our king encouraging people to hold smoking parties, because it was good for you. We seem to be in that situation now. People believe that if you get the latest technology it's going to benefit the children. What they do not do, I call them "silly boys" and I'm being disrespectful, I think our prime minister and certainly the head of MI6, our secret service, and I really hope he gets to look at this, they are so young that when we were making major decisions on the dangers of this, they were wondering what their nappies were for. And they have now got into the position of power but they don't have the intelligence to come back and talk to people like me and say: "Look, what's the truth behind this?" They listen to the government advisers who are usually people brought in from the industry. And they believe that the government advisers are right. And I have yet to find a government adviser to make a single sensible sentence anywhere, and I will defy anyone to show me an intelligent sentence from a government adviser. There seems to be so much what I call "blind corruption"

and you know as I do, we have just got rid of possibly the most corrupt government the world has known. And is it any wonder that we are in this situation? And I blame the prime minister and the head of MI6 in my mind because they are too young, they are too ignorant and they are too silly to come to people like me and ask what the truth is.

**Dr Zac Cox:** That's all we want, it's the truth. Would you like to speak to the prime minister personally?

**Barrie Trower:** I, as soon as we had the new government, I went straight along and saw my member of parliament. I gave him a document with all of the references, listing every danger there was to the planet, the eco systems, the environment, children, embryos, that we haven't yet discussed, and I'm sorry we should come back to that, my fault. I asked him and I said, in case he thinks I'm just a total nutter and mad, I want to see the prime minister, I want to explain this, I want to take with me a consultant solicitor, I want to take with me a doctor from Imperial College, both whom are experts in radiation law and radiation. And I would like to see the prime minister. And to cut a long answer short the prime minister does not have twenty minutes to give me in the next four years. And I think that it pathetic, absolutely pathetic and disgraceful.

**Dr Zac Cox:** I agree. Do they have any idea of what sort of damage they're doing to the world, to children?

**Barrie Trower:** No. And this is where I come back to me, they are silly boys. You have the prime minister who is young, you have the head of MI6 who is young, you have these, what I call young boys, with no disrespect to their age, coming out of university with these electronic degrees and they think, aha, I can make a microwave box that will do this and do this, and they sell them and they go on the market but they don't

have the wherewithal to come back to people of my generation that grew up with microwave irradiation, to say, well, just give me one hour of your time before you do this and let me explain what is really going on. – Would you like me to go back to embryos?

**Dr Zac Cox:** Is there a cover up on the numbers of cancers that we're seeing related to microwaves?

**Barrie Trower:** The word "cover up" I would not agree with, maybe I would, maybe I'm not clever enough to understand the full implications. There is certainly statistical anomalies. Whereby I have one document where 40,000, in one year, 40,000 brain tumours were re-diagnosed as endocrine cancers, so they do not go on the brain tumour



Fig. 4: Children have thinner skulls and receive 2x the exposure that adults do in the brain and 10x in the bone marrow of the skull.

statistical list. So what the industry can actually say, and the government, is, okay, so you're using a phone but look at the mobile phone brain tumour statistics, they're actually going down. And I know one person that said: "This proves, that they're actually preventing brain cancers."

**Dr Zac Cox:** That is most definitely a statistical anomaly. So 40,000 brain tumours in the UK are re-classified...

**Barrie Trower:** ...whether they are in the UK the document didn't say, it probably did, but it's a huge tome, and I cannot be sure whether it was one country or several countries. I just know it's from a brain tumour registry, and I just know that 40,000 are being re-classified

as endocrine cancers and the brain tumour registry is horrified by this. But I could not be specific whether it was just one country.

**Dr Zac Cox:** Okay. That would obviously skew the statistics. If those 40,000 brain tumours were there in the stats it would be fairly blatantly obvious to most people that mobile phones are causing brain cancers.

**Barrie Trower:** Oh, it's only half the story. If you look at some of the studies where they have shown that there are no cancer rises from transmitters or mobile phones, what the industry and governments are very, very good at doing is, they will do a study, they will write up the study, they will give it to the press, the press will publish it; what they do not do is what I have to do. If I write a research paper, for instance I've had one, I've just finished one, you then send it to an independent magazine for peer-review. The independent magazine they have said to me, we will now take about eight weeks with our experts to go through every word, every reference. If we deem it o.k., we will publish it, if not, we will send it back for something to be re-written. Now, what the governments are good at doing, one government scientist will peer-review another government scientist's own document. Or a government will go to a university with specific instructions for the university to carry out a specific experiment. But what they do not do is, send these experiments to an independent top level magazine like "Nature" and say, we found this, will you publish it? What they will do is, they will give it to the press, the press bring it out the next day: "Cancers are going down, mobile phones are found to be safe." But then, when you get hold of the paper, and this was one particular experiment on mobile phones, and you find they discounted everybody under a certain age, they then discounted everybody over a certain age, they discounted people who use mobile phones for work, they discounted people who had two, they discounted people for some other reason, and in fact you ended up with, this particular paper, you only ended up with sixteen per cent of the total people that were being tested being on the statistics. And then when you enlarge the sixteen per cent, it's like saying, we've looked at sixteen per cent of

the people in Germany, enlarging it for the whole population and saying, you know, cancers have gone down. You know, it's easy, you can manipulate statistics until you go blue in the face, they're so easy to mess around. What they will not do is, send their results to a magazine, a world leading magazine like "Nature" or "Scientific America" or "Scientific American Mind" and have them independently peer-reviewed and published, like I have to do.

**Dr Zac Cox:** So, in other words you're saying, a) they rig the experiment, or well, make the experiment very favourable for themselves and b) They cherry-pick the statistics.

**Barrie Trower:** Not necessarily. There are some genuine experiments that have shown that microwave irradiation has not been shown to cause illness. And I can explain this. We're in Germany now. If I made every single person in Germany smoke twenty cigarettes a day and drink ten pints of beer a day some people would have no effect, some people would have some effect, other people would be violently ill. People are not homogeneous, they do not all follow the same path. And so you can concentrate on people, there will be experiments where the majority of people have not shown an ill effect. But when you look at all of the experiments, in fact we know, we looked at the World Health Organization database a couple of years ago, on all of the experiments, the ones that showed nothing and the ones that did show things, and the overall result was that 80 per cent, eight out of ten of the papers on the World Health Organization database showed from low level continuous microwave irradiation cancers, an increase in cancers for people living near transmitters, microwave sickness and neurological problems, eight out of ten. And there will always be experiments, done properly, that show nothing. But overall, eight out of ten do show something.

**Dr Zac Cox:** So, if the WHO's own library of research shows that eight out of ten studies confirm that mobile phones, Wi-Fi, cordless phones, etc. etc. are dangerous, what is their stance then?

**Barrie Trower:** The World Health Organization were challenged by the European Parliament to make a decision on the health of the world concerning all of this. And in the written reply,

which I have, from the European Parliament the World Health Organization said that they will not comment on the effects on adults until 2015. They only started studying children in 2009, last year. So, they will not be able to comment on the effect on children possibly for another fifteen to twenty years. So, the World Health Organization will say nothing on adults until 2015 and nothing on children probably until 2020, 2025. So, there is absolutely no guidance from the WHO.

**Dr Zac Cox:** So, the implications of that are, your children could be getting very sick but we won't be able to tell you for another fifteen, twenty years.

**Barrie Trower:** Absolutely.

**Dr Zac Cox:** Good luck.

**Barrie Trower:** Absolutely. Yes, you're absolutely correct, yep that's it.

**Dr Zac Cox:** Kind of startling really, isn't it?

**Barrie Trower:** It is so horrific, that if it wasn't real, if somebody wrote a book on this, I would say, this is so stupid, you could never make up a story like this. But, and it all goes back, it goes back to the 50's, the 60's and the 70's, when microwaves were found to be such a perfect weapon and so dangerous to the military that the United States Defence Intelligence Agency told the Western governments to keep this quiet. And they did. And this is why we have this. We have documents that show that governments pay people to experiment on people against their wishes, well not against their wishes, without even telling them. And we have all this information going back to 1976. Everything was known by 1976, everything. We needed no more proof, no more research, nothing was needed then. You see, when the industry or a government says: "Wow, this could be quite a problem. We will carry out research." What they're actually saying is: "We really know what it's going to do, but what we will do, we will run some research, that gives us another fifteen years." So we will come back in fifteen year's time, and then they've bought themselves another fifteen years. And if it's like the last research, so many countries disagreed over the statistical analysis of what was going on that the whole experiment, the world wide experiment, was con-

sidered null and void. So, once they brought in the statisticians the whole of this experiment, that lasted ten years or if not fifteen years, was just wiped out, successfully.

## Babies and Embryos must be protected

**Dr Zac Cox:** Okay Barrie. So, we know that microwaves damage children. What are the effects on developing babies and on embryos?

**Barrie Trower:** Embryos are a special case, for two reasons. One is that they are the smallest type of human being. And with microwave irradiation, generally for the communication system, the smaller you are the more radiation you absorb, because the nearer you are to the size of the aerial that would receive it. And the embryo is specifically the size that can absorb quite a lot of the radiation. That is the first thing. The second is, and I'm going to use an analogy here, because I think it points out what the real problem is. If you could imagine – I'm going to talk about the embryo's brain – if you could imagine leaving here and going back to your house and picking up a magic telephone book that had the telephone numbers of every single person in Germany. Now imagine you pick up a telephone book of every single person in the world with their cell phones, home phones, office phones, every single person in the world and then imagine you could push a button and all of these telephones would be dialled at the same time. That is roughly the number of connections going on in an embryo's brain every single second, that number.

**Dr Zac Cox:** Wow.

**Barrie Trower:** It is a phenomenal, it is a phenomenal amount of connections with the most incredible accuracy. If you then imagine, if that's just the brain, what about the spinal cord and all of the organs? Now, if you expose an embryo to microwave irradiation what you are doing is, you are giving the brain thousands of millions of miniscule electric shocks every single second. So if a pregnant lady uses a cell phone, the microwaves are going into the body, they will travel through the body, straight through the embryo and, if it's an ordinary cell phone, you would have roughly 1,800 million electric shocks per second, every

second, going through the embryo. So they are a very special case. And the world should really take note, that embryos, whatever happens, must be protected from microwave irradiation.

**Dr Zac Cox:** And what is a safe dose for an embryo to absorb?

**Barrie Trower:** There is no safe dose of microwave irradiation for any child, anywhere in the world, no safe dose at all, not one. There is no safe dose. It's a bit like, theoretically, passing a cigarette into the womb and saying: "Have a smoke." You know, it is that dangerous.

has read the international certificate, not one. And yet they will decide planning issues. You can see hospitals with transmitters above the maternity ward! I've never met a single person that has read it. Well, I have. And on page 546 it specifically says that decision makers should take special account of children, the elderly, the sick...it says that some people may be especially sensitive to microwave irradiation. So, before any transmitter goes up, what they should really do is a survey of the area to find out how many children there are, how many pregnant ladies, how many elderly, how

Mobile operator total revenue forecasts (US\$ Bn)

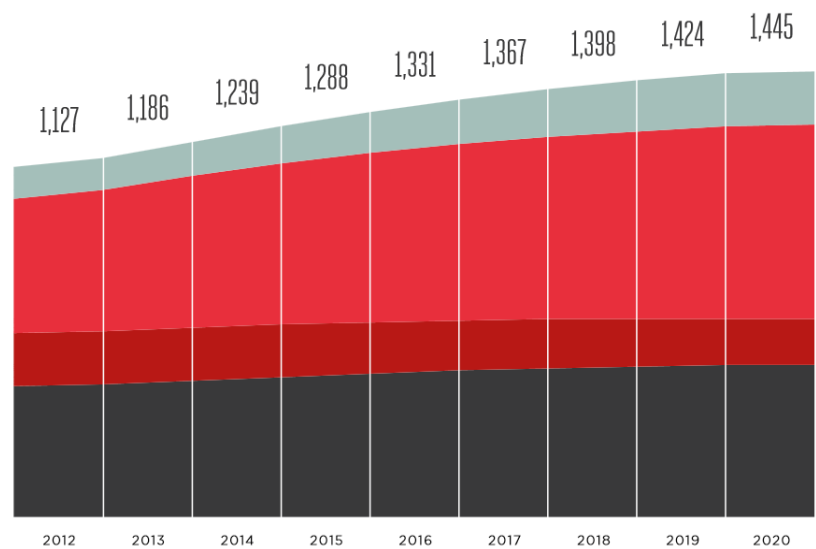


Fig. 5: The revenues of mobile operators are continuously growing even though the prices for the service are declining. This leads to the conclusion that usage is increasing, which leads to bigger networks and more antennas.

**Dr Zac Cox:** So what laws do the governments and the mobile phone industry hide behind?

**Barrie Trower:** What usually happens if they want to come and put a transmitter outside your house or on the corner of your road or somewhere they will usually come along, they will usually say: "We follow the ICNIRP guidelines." (Which is the International Commission for Non Ionizing Radiation Protection.) They say: "We're well within the ICNIRP guidelines, we are well within the law, there's nothing you can do about this, zonk, there it is, live with it." But in fact, they are lying, they are lying. I have travelled all over the UK and all over the world and I have never yet met a single decision maker that

many sick, to find out whether they're going to affect them. And on the next page it specifically says that decision makers should read current scientific literature, up to date, scientific literature. And they should set an exposure standard which is below the threshold currently known to be causing illness from microwaves. What they will do, is they will come along and they'll say, and I can guarantee, what they've said, they'll say: "These are radio waves, there's no problem, we've had radio for years, we're well within the ICNIRP guidelines, zonk." And that is a lie, that is a lie. What they should show is evidence of looking at the population, evidence of reading and why they set the level that they have set. But they don't. They set the maximum level which is



allowable within the international commission's guidelines and all of them are set, usually, to the maximum, the maximum guidelines. Whereas in fact, they should set a minuscule level if they have read the papers. And they should show evidence of reading. You're a doctor. If I came to you and said "show me evidence of your research" you would show research papers, books, writings, calculations...and convince me that you knew what you were doing. And this is what the planners would do and if they have lied then there may be a good legal argument for having this transmitter taken down.

**Dr Zac Cox:** It's entirely obscene that they put these things on hospital roofs when ICNIRP says, the elderly and the sick can be affected.

**Barrie Trower:** They tend to target, and if you look at this – people will say I'm wrong but I don't believe I am – have a look where most of the transmitters are. They tend to be in areas where people need money. They will choose the poor areas around cities because they know the poor people do not have the means to take on the most powerful industry on the planet and fight them. Hospitals are desperate for cash, because the government keeps them poor. So they go on hospital roofs. Schools are even more desperate for cash, because the government keeps them poor. So you will get them in school playgrounds. Because the industry will come along and say: "This is safe, they're only radio waves, here's a nice cheque, zonk." Colleges will have them on the roof, because they're poor. Universities will have them by the hundreds, because universities are desperately poor. So, have a look and you will find that most of the transmitters are in areas where people are poor. You will be very hard pressed to find one in a wealthy person's garden.

**Dr Zac Cox:** What I wanted to ask you Barrie was, who drew up ICNIRP? And do they have any connection with the mobile phone industry?

**Barrie Trower:** There is a large body of government scientists, if you look at the list, it's been published, it is, there is a large body of the same scientists that sit on our government advisory panel, the international commission panel, the World Health Organisation panel. So it is largely the same scientists. And they

have very bombproof qualifications. And when you have a "Sir Professor" standing up, saying: "I do not believe there's proof for this." That is all the counsels need. Compared to somebody like me, that is all the counsels need. And they will say, well, we'll go with "Sir Professor". But you will find, it has been published, but you will find the same names appearing on the same lists.

**Dr Zac Cox:** Thank you. So from a legal point of view, is there any way that people can have transmitters removed? Have you had any successes with having transmitters removed?

**Barrie Trower:** We have had successes with having them moved, and there are several legal arguments here. And I'm not trained in law, so I'm assuming that what I say is correct. There are a few legal arguments. Some of the decision makers say to the populations, that they are not required to consider health in planning decisions, especially the UK. That contravenes the European law. There are two European laws which say health must be considered and it must be a major consideration. There is a United Nations law, under the United Nations Charter number 22 that says:



*Fig. 6: Embryos can absorb a lot of the radiation because they are small therefore close to the size of the aerial that would receive the microwave radiation.*

"Persons with disabilities, i. e. electro-sensitivity, people who are sensitive to microwaves, they cannot be discriminated against." So if you go to a road and you go zonk, there is a transmitter, I'm sorry that three in a hundred of you, and it may not be three in a hundred, it may be... the Irish Doctor's Association,

who are an incredibly clever, a knowledgeable group of doctors and are really tip top when it comes to radiation, they believe it may be as high as fifteen in a hundred. So when the industry puts up a transmitter and says: "I'm sorry you're electro-sensitive, you're just gonna have to suffer or move." Under United Nation's law that is illegal. They cannot do that. And we have the draw-up in this country, the Nuremberg treaty, and the Nuremberg treaty was signed by all of the nations of the world and it is a very specific treaty. And what it says is that no human being will be experimented upon without his or her consent. And before they give consent they have the legal right to understand all of the implications, the health problems, the future health problems and they have the legal capacity to say "no".

There is only one exception with the Nuremberg treaty. And that is, a doctor, such as yourself, may experiment on him or herself only. That is the only exception, it is section 5. So no human being is allowed to be experimented upon. Now, what the World Health Organisation have said, is that they are watching the adult population till 2015, the children's population from 2009. They are watching to see, how many cancers, how many illnesses, how much neurological damage... it is a scientific health medical experiment. And in their wording you can read that it is an experiment, the wording they gave to the European parliament. So, what I would suggest to countries or people, they can – and again, I'm not trained in law but I would argue – they can invoke the Nuremberg treaty and say: "I do not wish to be a part of this global experiment. We signed the treaty and therefore you're breaking international law." That is my interpretation of what can be done.

There is also one environmental law, which very few people know of, I think it was published in 2004 but seemed to have been lost and buried. But it is definitely there, and it's a very good one. It actually says that anybody who damages an environmental water supply, a habitat, an environment, any animals, any nature conservation area, they say, that is against European law, now, to damage any eco-system, any environment. It is against European law. And it says the causer will pay the principle. In other words, if we have caused the bees

to die, the crops to fail, the farm animals to die, the whole of the reparation bill can be sent straight to the mobile industry, if they are taken to court and it is proven in front of a jury that they are guilty. They can be made to pay the principle. And not many people know that law exists, but it is law and it exists and I have a copy of it.

## The extinction of the honey bee

**Dr Zac Cox:** You raise some very, very interesting points there, not least the disappearance of the bees, the colony collapse. Are they linked to the mobile phone industry?

**Barrie Trower:** Yes, without a shadow of a doubt, and I'll tell you why. There are numerous papers now from bee keeping professors and scientists and there are even, there is a brilliant mathematical paper, which I read, there is everything about the poor bee is designed to be irritated by microwaves. The distance between the antenna, the size of the brain, the size of the body... they will all suffer resonance or unnatural vibration from microwave irradiation. The immune systems will collapse. The directional finding mechanism of the bee is destroyed. But what the industry and the governments will say is that not a single bee has been killed by microwave irradiation. And, technically, they are correct. The same that we can say that not a single person has died from AIDS, technically, that is correct. What we do know, from analysis of bees – and we have the papers to show this – is that when the bees are found, they have five or six different infections including invasion by the varroa mite. But when the blood and the body is analysed they find five or six infections, which clearly indicates that the bees have suffered massive immune symptom suppression and invasion by the varroa mite. The same that people suffer immune system suppression from AIDS and then it is whatever virus or bacteria comes along that actually kills you. But there can be absolutely not a shred of doubt that microwave irradiation is disorientating the bees and the birds and other flying insects, and there are 250 of them that pollinate plants. There can be not a shred of doubt that the microwave communications industry is responsible. And there is even, apart from the research, absolute concrete evidence of

proof. You can go to any research paper anywhere in the world, pick it up and look at the experiments that have been carried out on cells. And most of them have been carried out on small mammals, insects, birds, even bigger mammals and they have found cancers, immune system problems, this, this and this... and it's documented. So the problem is, you have these huge laboratories and they say, well, we have found that microwaves will cause this and this and this and here are all the lists of the animals we used, but they forget one crucial sentence. They forget to say: "Aha, but these microwaves are actually outside the laboratory. And the animals are outside the laboratory. Therefore we are going to damage the world's eco-systems and the environment. Because we've proved it here, now what's going to go on out there?" And you can go to any research paper and you will see thousands and tens of thousands of experiments carried out on animals that show all of this. And it goes on outside. And there can be absolutely no doubt. And we can take this right back to the government proof from the government scientists, 50s, 60s and 70s.

**Dr Zac Cox:** Why then do the governments continue to say: "It's... the mites, it's a virus, it's the pesticides..."

**Barrie Trower:** I think, and I'm coming back to my "silly boy"-mentality, governments are usually only in for four years, or five years, and this is such a lucrative benefit for the people – this is my own theory – I believe that certainly for the UK government and some other governments the ordinary members of parliament are really powerless. Because like when we've had members of parliament standing up saying we've had child cluster of leukaemia cluster after leukaemia cluster and I have a list of something like 200 clusters, not 200 children, 200 leukaemia clusters around transmitters mostly near schools. And the MPs have stood up and asked about these and at the end a minister stands up and says: "We are within international guidelines, sit down." And the whole thing is lost. So I believe that there are people above the ministers, maybe top

civil servants, maybe top industrialists, I don't know, but I believe they are the real power behind what is going on and they can direct governments. And I really believe that the governments do not have a choice. It comes down in a threatening way from people who really have power. And I believe that is



Fig. 7: The World Foundation for Natural Science Fact Sheet "The worldwide disappearance of the bees" describes exactly how microwave communication harms the bees and why it is causing the bees to disappear.

the problem, and we're back to my silly boy. When you look at the chief of our MI6 and our Prime Minister, as I said, who were wondering what nappies were for, when we were making the real decisions. And they do not have the wherewithal to come and talk to people like me. And I'm sure, if they did, we could change things. But they won't see me and that's the way it is. And I think that is the problem. They are only in for four or five years, they can live with it, they will get their knighthoods, they will get their reward, whatever their reward is, and they will pass the problem on to the next person. And I think, that is the problem, is that they are not directly accountable. They inherited the problem, they will reap some of the benefits, they will pass it on. They are not being held directly responsible. If we said, if there was a law that said, every civil

servant involved in this and everybody who makes a decision, if there was a single death from microwave irradiation, we would have you in court. And we would try you and if you're guilty for manslaughter you would go to jail. I'm sure they would change their minds. But they won't. They are immune, they can get away with it, they're only in for however long, and my impression – and I may be biased and angry and old and stupid – but my impression is that the leaders they like to go around the world, shake hands, convince the world that they are making treaty after treaty after treaty...not one of which has succeeded, but they take all the accolades and they come back. And they pass on the problem to the next person. And I think that is the problem with the government, is that they will not be accountable, that they are immune from this.

**Dr Zac Cox:** Thank you. I read recently that the honey bee in West Sussex in England is on the verge of extinction. What implication does it have for the rest of the environment should the honey bee become extinct?

**Barrie Trower:** It varies country to country. If you take a country like Africa, that I was in earlier this year, they have lost whole fields, and their fields can be the size of one of our counties, they have lost whole fields of honey bees. Now, the honey bee tends to pollinate vitamin C-producing plants. So in countries like Africa that relies on its own produce to eat, they are going to lack vitamin C. Which means, they now run the risk of scurvy. Which means, they have to start importing vitamin C. Globally, if we were to lose all of our pollinating insects it has been estimated that if the – and this was published in "Nature" – if the total world's eco-systems brake down the cost would be about 33 thousand billion United States dollars a year on the price of food. So, what would happen is, food would become so expensive that the poor wouldn't be able to afford it. And in our country what it actually means if we lose the bee – and if we lose the bee, we also lose the other pollinating insects, because what affects one insect actually affects all the others right down to ants – if we lose them, we have to start importing food.

Now if I could give you an analogy of how this would affect a country globally – and I know this to be correct: we're in Germany. So let's say that for Germany we look at the situation for Germany from the telecommunica-

tions industry's effects. Let's say there are 60 million cell phones in Germany and let's say the average bill is 1 Euro a day. Germany is now losing 60 million Euros every single day to the four main telecommunication industries. So 60 million is going out every day, and that's not coming back. Now you have the medical bills of the people, which is between three and fifteen per cent, the medical bills of the people who are sick, that cannot work. Now you have Germany's share of 33 trillion United States dollars at its extreme end. So if you start looking at the price of food is going to rocket, the price of health care is going to rocket and you've got this money flowing out, any child in the bottom primary school math class, if you say: "Here is your money box. This is what is coming in. This is what is going out, this is what is going out and this is what is going out." Any child will say: "My money box sooner or later is going to be empty." And this is going to happen to Germany and any country in the world, and I don't care which country it is. At the rate you are losing money to the industry, at the rate that you are going to start importing food, the rate you are going to have your health care costs, which means importing more drugs, so the pharmaceutical industry are going to benefit on an enormous scale with the communications industry here, any country depending over how much time has to go bankrupt. Any country and I don't care who they are.

And the added effect is the carbon footprint from all of this. It was shown that, a couple of years ago some scientists..., and there were three papers published on this and they all came up roughly with the same result. A couple of years ago it was shown that the carbon released into the atmosphere needed to power all of the cell phones, all of the transmitters, all of the Wi-Fi, everything, comes to about 110.7 million tons of carbon-dioxide a year. It's the equivalent of 29 million cars every year going onto the roads. And what that makes now especially with Wi-Fi going everywhere, they're trying to Wi-Fi entire cities, what this means is that the telecommunications industry produces more carbon-dioxide into the atmosphere than the aviation industry. It is the biggest polluter of the planet, in terms of carbon-dioxide, and not a single word has been said against the telecommunications industry. We hear lots about not building more airports, not building more runways. In the United Kingdom,

our government has said, they're going to put seven pence or eight pence on each gallon of petrol to cut down the amount drivers are driving, to cut down the carbon footprint. But not a single word has been published by any government anywhere in the world against the telecommunications industry. And the result of all of this carbon-dioxide – and this has been published in "Scientific American", this year – and it's not just from this industry, it is all the industries, carbon-dioxide (you're a doctor, you will know this) and water together produce carbonic acid. So the carbon-dioxide in the atmosphere sinking onto the oceans and the seas they have actually changed – they're not changing – they have changed the acidity of the oceans and the seas. And the microbes and the fish in the seas have a very, very low tolerance for the alkalinity and the acidity of water. And what we are now doing is we are physically destroying all of the living species in our oceans and our seas and the telecommunications industry is the major polluter now, and not a single person is doing anything about it, to stop them. In fact, they're doing as much as they can to encourage them to make it worse. In London, the mayor has boasted that he is going to turn the whole of the city into a Wi-Fi zone for the 2012 Olympics. Now, other cities are also trying to be Wi-Fi, we're trying to get every single school, it seems, in the Western world Wi-Fi and all this could do is exacerbate the problem we have with the environment, the problem we have with the oceans, and the bottom line, and we have the proof, we have absolute, indisputable proof and it goes back to 1971, which is when we had it, and everything since has confirmed it. We had it and what we are doing is, we are physically destroying not just our children's health by illness and genetic illness, we are destroying the health of the planet, we are destroying every living being from the largest mammal in the oceans to the smallest slime mould in the soil, we are destroying, slowly, not even slowly now, we are destroying everything, because this industry is not being controlled by governments. And that is the problem.

**Dr Zac Cox:** That has such far reaching and massive implications. You are saying it's not just brain tumours, it's not just leukaemias, we're talking about total collapse of our environment, all the ecological system is collapsing...

**Barrie Trower:** Absolutely, absolutely.

**Dr Zac Cox:** ...we're talking worse than nuclear war.

**Barrie Trower:** Oh, much worse than nuclear war. Absolutely, and as a doctor you will know this, that when you look at human cells, animal cells, plant cells, even bacteria cells, when you look and you go down to the genetic structure and look at what the genetic structure is made of, there is absolutely no difference, no difference at all between the, the atomic and nuclear level, there is no difference between what we are all made of. Every living thing in the oceans, on land, every living thing is made of exactly the same small particles. So if you are damaging humans – and we had all the government proof we wanted in the 70's – it stands to reason that you are going to damage the animals, that are made of the same, and the plants, that are made of the same... you are going to damage everything. And I wish somebody in government would actually talk to somebody like me, and credit where it's due, some governments have sent for me and asked me to explain this and some royal families and leaders of communities, and there are now countries in the world that are reducing levels and trying to change things. But the Western commercial governments, the UK especially, not only are they not trying to control this, but before our last government left a few months ago, they gave the industry permission to increase its power three-fold. And we already had the highest levels on the planet. So they are encouraging the industry. Where these people think they're going to go and live when they have their knight-hoods and all of this money and whatever other trappings, Rolls-Royces and yachts they think they've got, where they think they're going to take them to live, I don't know. Maybe they haven't thought that far ahead. And maybe they should come and talk to us. But they are going to end up living on the same planet. And their generations are going to end up paying the same price as our generations.

## Breast cancer

**Dr Zac Cox:** Truly, truly disturbing stuff. – Would you like to explain a little bit about breast cancer and microwaves?

**Barrie Trower:** Breast cancer is not totally understood. Research has shown that microwaves seem to induce breast

cancer in women, but not in men, very, very rarely in men. Now, there are a few reasons, we believe, for this. We know that from epidemiological studies and they have specifically said at the end of an epidemiological study when they look at cancers and in fact there's one here in Berlin, they said that there was a seven-fold increase in breast cancer



*Fig. 8: Mobile phones carried close to the breast and metal wires in bras are believed to cause the increase in breast cancer.*

in women. But most of the epidemiological studies you look at they say there is generally an increase in eight different types of cancer, specifically breast cancer in women. And whether because the breasts are bigger than men the mammary cells absorb more radiation... I have been told today by Karin that she read an article, and I did mention this, that the metal in bras, the cups which are parabolically shaped in bras, they are metal, and women tend to carry the phones in a bag over the shoulder which transmit straight through the breast. Your phones can transmit when they're on stand-by, but these days they can be made to transmit even when they're totally off. So assume, if you've got a phone, it is transmitting all day and all night. Now women tend to carry them over a shoulder bag into the breast. Now, we know – and this cannot be disputed – that metal will absorb microwaves. It's why you cannot put metal into a microwave oven. When the metal absorbs microwaves it re-emits it straight away, so it's coming in and going out, straight away. And it re-emits it at a slightly different wave length and we don't know what that wave length is. I haven't seen a paper that has measured it. But we know it's being emitted. So what you have, and we know this cannot be disputed, we know that if the bra of a lady is being microwaved the metal cups will be absorbing the microwaves, they have to do that. We know

they will be re-emitting it in a parabolic focus. So what you will have with your cup is the waves will be reflected like a magnifying glass into a small area. So the area may be a few hundred or a few thousand mammary cells big. I would like to see, I know Karin said that there's a paper, I haven't seen one published, the research may be in for peer-review, but it would be a very, very good experiment for a PhD student to do, sent to somebody like "Nature" and have peer-reviewed. But theoretically what we can argue is the microwaves are being reflected with a parabolic focal point somewhere in the mammary cells in the breast. And that is what we believe may be causing the increased breast cancer in women. Any epidemiological study will show that women get more breast cancer when they are microwaved, any woman. And in fact there are really good experiments. And you were there when I spoke, doctor, at Swindon. I mentioned a really clever study, carried out in Estonia, where two professors, and this was published in the "Austral-Asian Journal for Environmental Health", it was published in there, they took a whole country, Estonia, and they looked at all of the cancers, and all of the people, and all of the health – two professors. Then the mobile industry moved in. And then, years later, they looked at the cancers again. And they found an increase of all of the main types of cancer and their conclusion was that the telecommunications industry was responsible and they also said a very interesting sentence, which I've since read in other papers, that women are more susceptible than men. A: because of the breast tissue and B: because women have much more complicated hormonal systems, the reason for which isn't scientifically fully understood yet. We're not clever enough to understand all of these miracles that go on inside the female body. But they are obviously being disrupted. And at the Swindon talk a counsellor, a gentleman stood up and said: "Aha that was probably due to the Chernobyl radiation drifting across Estonia and causing the cancers." Now, I have never embarrassed a child in any of my classes in twenty years of teaching. And I did not want to embarrass this counsellor in front of a room full of people, so I kept quiet. But any senior school child can tell you the difference between cancer from Plutonium, Cobalt 60, Uranium 235, Uranium 238 and microwaves.

Any child in my school class would tell you that. Now if two professors, experts in radiation, are going to make that mistake, I won't believe it. So we can rule out Chernobyl. And I believe their conclusion is the correct one and it matches the epidemiological studies. Women do suffer more than men, they do get as we showed in Berlin, here, in Berlin a seven-fold increase in breast cancer, we're not sure why, and the reason we're not sure why, if I may go on, is that no safety tests were done on cell phones before they were given to the general public. Not a single safety test was done. Unlike drugs or anything else, it has to pass a safety test, not a single test was done. This is the test now. Every single embryo, every single lady, every single child is now a part of this global experiment which is showing... What it is showing? That we are failing to protect the entire planet. And that is the problem. The only specification in the UK, the only specification was that if you used a cell phone or lived near a tower you would not get too warm in six minutes. That is the only legal European requirement. That is it. The World Health Organisation, the ICNIRP or the International Certificate, the only legal requirement is that you do not get too warm in six minutes. That is it.

**Dr Zac Cox:** That's not a heck of a lot of protection.

**Barrie Trower:** No. And it was based on the, sadly, it was based on the radiation absorbed from the bombs dropped on Nagasaki and Hiroshima in World War II. It was based on calculations from there. But a very, very clever mathematician, and I have his paper, actually showed that almost every step of the way when they did their mathematical calculation with what we have with today's knowledge was incorrect. And the World Health Organisation and the ICNIRP certificate their calculations for the six minutes are wrong.

**Dr Zac Cox:** Can I just clarify on the wire in the bra. As far as I can see from my simple knowledge of physics, the wire being curved acts partly like a section of a satellite dish, which has a focal point which focuses the radiation to a point, rather like when using a magnifying glass to set leaves on fire.

**Barrie Trower:** Absolutely correct. I mean the radiation will come out in all directions but the part that comes out in the middle section, the middle of the horseshoe if you like, you're right, it's

like a satellite dish, and it will have the same focal point. If, and my wife won't mind me saying this, when a lady, and I hope I'm not being too personal here, when a lady gets a bra that is really, really comfortable, they tend to wear it a lot, because it's comfortable. And if you're wearing the same bra all of the time because it's comfortable you are then having the same focal point in the mammary cells week after week after week after week.

**Dr Zac Cox:** Yes. So women should not wear a wire in a bra as far as you're concerned?

**Barrie Trower:** As far as I'm concerned I would not have wire in bras, I certainly would not if I were a lady. I certainly wouldn't carry a cell phone in a bag over my shoulder, I definitely wouldn't sleep with a cell phone beside my bed or a DECT-phone, because they transmit all day and all night. If you have a cell phone, assume it is on. If I had a cell phone I would carry it in a metal



*Fig. 9: DECT-phones and mobile phones must not come close to a foetus. Microwave radiation can cause severe damage to the unborn child.*

box or put it in a metal box and only use it when I needed to. Assume it's transmitting, but if I were a lady I wouldn't sleep with one beside me, I certainly wouldn't carry one, and if I were pregnant I would treat cell phones like cigarettes. I wouldn't let anybody near me with a cell phone, if I were pregnant.

**Dr Zac Cox:** You raise an interesting point there. Are you saying if you stand close to someone making a phone call you're being subjected to passive radiation as if in passive smoking?

**Barrie Trower:** Oh, absolutely. They can have a range of two kilometres. And this is what people don't realise. You could have a pregnant lady on the bus or on the train or sitting next to you and

you can pull out your cell phone and make a twenty minute call and from an arc that part of the radiation is going through the foetus. It's like passive smoking. People don't realise it. You're absolutely correct. And if you've got a person either side of you – and this is why people are not being educated and why we are having this problem. And we're not just talking the foetus in a human, the foetus in an animal: a cat, a dog, a rabbit, a bird... all the foetuses will be affected. So if you have a DECT-phone or a mobile phone in your house and an animal or a lady is pregnant they are going to have continuous irradiation in the foetus. So, you really shouldn't use a phone or a Wi-Fi, horrifies me, supposing you have a student, I mean I teach advanced level students who are sixteen, seventeen, eighteen. Now, some of those young ladies are married or engaged and some of them are pregnant. Or the teacher who may be a lady may be pregnant and will be radiating herself all day. You may have a preg-

nant lady in an office block, where everybody uses... these days they don't have landlines, they have these walkie-talkie-things. And the worst thing – and I'm not going to namedrop because it will be embarrassing – but coming on to this, the worst thing that I have been involved in with ladies and pop stars – and I have been involved with a few, if not more than a few pop stars – watch lady pop stars, they don't carry

microphones, they will have a transmitter. And they put the transmitter in the cleavage and then they go on stage. And how many lady pop stars are we now seeing with breast cancer? Other stars they put transmitters... usually they conceal the transmitters and they're on stage and they're very powerful transmitters, these. And how many pop stars or actors, actresses, theatre people are we now seeing with tumours? I have been called in to give scientific documentary evidence with quite a few theatrical stage pop stars with tumours. And when I explain the proof from microwave irradiation and I say: "Where do you keep your transmitter and how powerful is it, show me what the power is? How long are you on stage for? How often? How

often are you on your mobile which is about twenty hours a day." And it horrifies me, and you and I can think of certain pop singers this year that have gone down with breast cancer. It's now not unusual.

**Dr Zac Cox:** Yeah, it's very common now.

**Barrie Trower:** Oh yeah. And this is one of the things, horrifies me, it's that, apart from the fact they have no knowledge, it's the accumulative effect of people not respecting and not having the knowledge if they see a pregnant lady not to use, not to text or not to use their phone. And you even have pop stars on stage saying: "Text me all at once." And you text something to go on a screen. And I see comedians who say: "Text questions and we'll pick them up at the end." And you've got the entire theatre texting! All at once!

**Dr Zac Cox:** Yeah, that's gonna be dangerous.

**Barrie Trower:** Now, if you've got a pregnant lady there and you have thousands of people all texting all at once, you might as well take the embryo out and put it in a microwave oven and put it on fry for two minutes! It's that serious. And then we wonder why we have all of these deformities and miscarriages and problems. And there are several pop stars now who are texting, everybody texting the stage is a good idea.

## TETRA mobile radio communications system for emergency organisations

**Dr Zac Cox:** Barrie. The police and emergency services use this system called "Tetra" or "Air waves". I've read a lot about this system, there's been lots of complaints. People are getting sick around the transmitters. Is it a good system?

**Barrie Trower:** It's a very interesting question and a very good question. I was initially called in and commissioned by the police federation to write the first report, the first safety report, on the Tetra communication system, which is now on the internet. I condemned the system as far too dangerous for two reasons: One, that you have...they tend to carry the system here [points to his shoulder] and it is transmitting through the brain and through the neck and some of the police do fourteen-hour-shifts. And secondly, the pulse frequency of Tetra, which is

around 16 pulses a second, is too close to the brain's natural frequency, which is 17, just over 17 pulses a second. The natural frequency, the Beta frequency of the brain is responsible for making decisions in emergency situations. And if you mess up that, you cannot make decisions, and the very job of the police, the ambulance and the fire brigade is to make emergency decisions in emer-



*Fig. 10: TETRA is a digital trunked mobile radio standard developed to meet the needs of emergency organisations.*

gency situations. And you are affecting that one part of the brain that they need. The other danger of that particular pulse frequency is that it is what's known as the "cyclotronic resonance frequency" of the calcium in the body. Now, what that means, is that as the Tetra is going through, the calcium is being knocked from the surface of cells and the calcium keeps the cells stable. The calcium is replaced by potassium, which only has a single bond as opposed to the calcium's double bond. And the potassium will cause the cell to leak. And I think we now have something like 18 experiments showing this. So you now have what's known as "calcium efflux" or a calcium leakage in officers wearing Tetra. I said it is far too dangerous a) because of the pulse frequency b) because of the microwaves going through the neck and the brain and it should not be allowed. The chairman of the police federation and the staff who commissioned me to write the report, the chairman retired, he was replaced by a lady who sacked me, said I didn't exist, said I wasn't commissioned to write the report, called a conference, that I was allowed to attend but not allowed to speak, she called a conference and her opening words were: "Nothing is going to stop Tetra." The government doctor stood up at the same meeting and said to the police union: "If you don't like it, resign. That is your choice." And that is

in fact an illegal thing to say, this is illegal. But that was it. And they published papers to say I didn't exist, and that I'm mad and I'm wrong and everything else you can read about me, and recently, only this year, another union that represents mostly the ambulance and the fire brigade but some police officers, usually special branch, they commissioned me to write an updated report. And in this report which...the first report is on the internet, this report which was highly confidential for the legal department of the union, I quoted our government scientist saying how much you can expect to develop a brain tumour compared with the radiation you are getting, for an ordinary person. And that's based on what is known

as "average use", and you'll probably be surprised to learn that average safe use for a mobile phone is considered to be about twenty minutes spread over a whole week. Now police officers have these for fourteen hours a day. So when you start looking at the maths – and my first degree I specialised in nuclear and atomic physics – now when you look at the maths, what the chief government's science officer is actually showing is, that today we could have as many as 7,000 plus lady and gentlemen officers walking around with slow growing tumours. They are not told of the warning of this, they are not told of the dangers, they do not know the risk they are taking, they do not know that there could be 7,000 of them with slow growing tumours, and they will only find this out when they come up to retirement age. And this is the government's figures, not mine, I actually had it at slightly less. And this is being kept from them. 7,000 tumours. But which is absolutely incredible. I wrote an open letter which anybody can read on the internet, it's "Open letter to the Police Federation". And I said, this was last Christmas, and I said: "In the last three months," I believe, "I have had five lady police officers come to my house, all independent of each other, and they have all had neck tumours, where the transmitter is." And when I said to them: "Have you ap-

proached your federation?" They all say, they cannot, because the federation will not help them, they are victimized, they are bullied; any police officer who raises this is very heavily brought down by senior officers and threatened with being moved, threatened with losing their job, there are bullying tactics from the government and the senior officers on the officers. And the police federation published a document that I have referenced in my latest report, and it actually says: "We know that this system is now dangerous and causing these ill effects, but as it is up and running, we cannot do anything about it." And I think, well, why are the police paying you to represent them, if you'll not? And the other thing I find incredible, and I've got the documents for this, and I've referenced them in this document, a government document actually says that a scientific experiment should be carried out on the police and the emergency services, because they are all young, they have a well-defined work pattern, they are fit and they will be ideal for an experiment to see, how much cancer and how much brain damage is caused by this system. And they actually say: "We cannot rule out that some officers will develop cancer and some will develop brain damage from this system." And then we get another message, which I've also got, that says: "We welcome (this is from our government's radiation board!), we welcome the study that you have set up on the police officers." So they are a living experiment for cancer and brain damage from this system. And the government have written it, put it in writing. And we have sold this system to, to my knowledge, thirty countries. Now, this is going to take place in thirty countries around the world. They are going to find the brain damage and the cancers without being told. And I think that is a crime.

**Dr Zac Cox:** That is truly, truly horrifying.

**Barrie Trower:** And this is the Tetra Airwave System. And my report, the original report is on the internet, my open letter with documentary proof of most of this is on the internet, the highly confidential paper I wrote for the Union is not on the internet, but it probably will be soon. But that is the situation, it is now, it has been sold to 30 countries using the British police as the finest police force in the world: "This is the finest police force with the finest system, buy it." And this is the power of money and what I call "spin" or I prefer to call it

"lies". But every country is going to suffer what we are now exposing our officers to, our fire brigade, our ambulance service, the MI5, the MI6, the government body, there are, I think, in the UK, 52 organisations that are now using this system, and 52 organisations, theoretically, in these other 30 countries, the coast guards, the security services....52 organisations, that have to tie in with the



*Fig. 11: You may also obtain this interview from us in full length (approx. 130 minutes) as a DVD or CD in English. Furthermore, we are glad to offer you a CD with exclusive documents, containing dates and facts, which form and support the basis of Barrie Trower's discourse. Barrie Trower kindly has given these documents to us for use and distribution, as it is his heartfelt wish to warn as much people as possible of this dangerous technology.*

police for emergency work. And if you look world-wide, it's thirty countries – I can't do the math, I'm too tired now – 30 countries, probably 300,000 people using it in each country, if you look at the 52 organisations, 7,000 in each, probably, according to our government's figures, developing tumours... it's beyond belief, I mean, like you said earlier, it's worse than the atomic bomb, much worse.

And the truth will come out eventually, not in my lifetime, but it will come out. But that is the situation and what I would like, and this is happening, what I would like is for countries using this system to read the reports I've written on it, before they make a decision or before they go ahead. It's what I would like. If they think I'm wrong and they want to use it, fine, but what I would like is, you show what I've written to your officers and what the governments say to your officers and if nothing else, let the officers...credit them with the intelligence

they have, let the officers say: "Yes, we want to take this risk or no, we don't." And that is all I've ever said to any of the emergency services. "Let me publish an article for the officers to read. You publish an article. Let them vote. It's not difficult. Let them vote. And if they don't want it, whatever they decide, is final." If they say: "We don't like this."... There are systems, there are systems used by other European police and emergency services that have nowhere near the risk of this system, Tetra Airwave. And just say to them: "Here is one point of view, here is another, tell us what you want." And the unions are doing what they are paid to do, which is represent their officers. And that is all I've ever asked. It's that people are given a say. The same with Wi-Fi in schools, we make the truth known to the parents and we say... I could write the truth in 240 words, one side of A4, the industry or the governors write their side, the parents and the children read it and they have a vote. Do you want it? If they say: "We want it and we want to take the risk." I don't have a problem with that. But when the truth is concealed, and they are lied to, then I have a problem with it and this is what is happening with the Tetra Airwave System. And I know they have lied, because our MPs have stood up in parliament and said: "This industry is lying." They have said "lying" in parliament and I've got the document. So we know they are lying. We know they are liars. And we know that the senior officers somewhere in the police are complicit with the industry. I don't know why – they should be protecting their officers – but they're not. And that is all I've asked for. And this worries me about the Tetra being sold to the 30 countries.

**We need to be mindful in our actions!**

**Dr Zac Cox:** So, to summarise, mobile phones, cordless phones, Wi-Fi, our entire telecommunication system is not only causing cancer and deaths in children, in adults, it is also destroying the eco-systems, it is killing the bees, it's responsible for the destruction of our oceans...

**Barrie Trower:** Exactly.

**Dr Zac Cox:** It's the biggest threat on this planet we've ever seen.

**Barrie Trower:** You're absolutely right. And what we need is, we need the industry to be controlled. There is a level

that the industry can function. It won't be totally safe, but it will be acceptably safe. It will not be safe for pregnant women, it will not be safe for children. It's like having motor cars on roads: we know, every year there are going to be deaths. It's like having aeroplanes: we know every year so many are going to crash. There is a level which is acceptable. And let's be honest: cell phones can save lives. If you are a lady and your car breaks down on a dark road and you have a child in the car or you're pregnant, you could pull out your cell phone, dial a number and they can be there. There is, there is a use for them, and I would not like to see them go. But at the current level it's what I call "blind corruption with intentional ignorance" from senior people. People are being lied to and money is being made at the expense of children and people becoming ill and dying. The solution is to have a workable system that the entire world will agree. And the level of...the level has already been found. We don't have to think up what it is, the Bio-Initiative Report has already come up with a level, a level that the nearest person to a transmitter must not exceed. So if there are two transmitters they have a half of that, four transmitters they have a quarter. But the nearest person must not exceed that level. That's the option. And all we need now is somebody clever enough and brave enough to be able to say to the world: "Look, this is what is happening. We all have to live here, and this is the danger that is going on. Let's have an international agreement, one that actually works, where globally not a single person anywhere in the world is exposed to more than this Bio-Initiative level." And in fact, since it was agreed on, a lot of scientists are now saying: "No, no, it has to come down by a factor of ten." So already they are questioning that it's too high. But let's settle with the Bio-Initiative level. If we could have that, globally, the industry could still function, your cell phone would still function. You may not be able to download pornography or movies or sport in your house, you would have to use a landline. But they would work outdoors, which is where you want them to work. The children lying on their beds would not be able to text each other all night, they would have to pick up



*Fig. 12: It is our individual choice to be an ambassador for the health of nature and mankind and making other people aware of the danger of microwave technology.*

a landline and use real words. But the system, there is a way for the system to work and everybody to be able to use it sensibly, and instead of a wire going into your ear or having the phone on your body or holding it here [points to his ear], you can use an air tube like a doctor's stethoscope and hold it away from your body. There are mechanisms that people who carry phones... that protects the body from the radiation. There are mechanisms, they are just not used. The patent was taken out by, in fact, the mobile industry to show that they could be made safer. But of course they don't tell you this, because if they tell you, they have to admit that there is an element of danger. So, I'm not saying we have to scrap the industry, all I'm saying is, we have to turn the knob down. That is all. To a level that is internationally agreed. There will be casualties, but there are casualties with road accidents, plane accidents... there are always casualties with everything we do and there will be with this. But there is a level where the level of casualties is acceptable to the human population, but the eco-system will be saved, the bees will be saved. We have no transmitters within several kilometres of any bee hive. We have no transmitters within

several metres of farms, where pollinating insects have to work; definitely no transmitters on hospitals, schools, old people's homes, which is where most of them are. It can be done. There is a way out of this, but I fear, like every single international agreement since, to my knowledge, 1992, to try and protect the environment, the eco-systems, the bio-diversity, global warming...every single agreement has failed or been ignored or left to fizzle out. And I suspect that if we had an international agreement, because prime ministers love to be seen together, they love the photographs, they love all the cameras and they love to come away to say: "Look, we're going to save the planet," they go away and then it is left to fail. And my fear is that this is left to fail. And what we really need is an organisation that can pull the world together. And if we have leukaemia clusters in schools, then somebody is legally accountable; at the moment, they're not. Somebody is legally accountable. And if the government allow a transmitter to be too powerful, the government are put in court and they are tried. And if the person has been made sick, they are sentenced. They must be legally responsible for what they do. That is what we need.

**Dr Zac Cox:** Barrie, thank you for this interview.

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