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Being The Change
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Is wireless frying my balls?

Using a century old medical practice, researchers at Arizona State University have been using light waves to inactivate viruses by matching the resonance frequency (which all things have) of the viruses' shell. The process has potential wide-spread applications and is accomplished by directing a laser beam to an area of the body (or a dialysis type machine) and literally shaking the virus to death by matching the natural frequency at which the shell vibrates.

Think of an opera singer breaking a crystal glass.

I find this very interesting as a non intrusive, non pharmaceutical approach could revolutionize how viruses are dealt with and avoids the ability of drug-resistant super-bugs to evolve as there are no drugs used.

The thought of waves directed my mind first to surfing, but my opinion on surfing is of little relevance to anybody (it is really fun but plastic and foam boards are environmentally degrading, and the ocean is scary). I then came back to human made, information carrying radio-waves floating through the biosphere; could they be matching the resonance frequency of any parts of the human body or any other part of the earth's systems?

A quick search of the internet, and a look outside at the radio and cell towers everywhere confirmed that humans are being bombarded by ever increasing amounts of information carrying radio-waves then we have ever been before.

Each day a new module gets added to a wi-fi hotspot; there are always new networks to steal the internet from; Bluetooth devices are becoming more common; new cell phone towers are being erected and more and more people are being 'liberated' from the shackles of wires. Unless you live in a remote setting you CAN NOT avoid these waves.

Surely such a massive change to our communications infrastructure would be backed by studies that could verify its safety against possible threats to human or ecosystem health. Surely our governments would not allow mass experimentation. What if they were dangerous?

Dr. George Carlo was paid 28 million dollars by the cellular companies to conduct research and show that cell phones are safe to use en masse. When Dr. Carlo presented his research to the cell industry it was dismissed and kept quiet as it found that information carrying radio-waves are in fact dangerous to the ecosystem; causing a range of negative impacts including damage to cell membranes and increased cancer rates. This work was then covered up and a pay-off was put forth, but Dr. Carlo decided instead to take his research and use it to educate the public through his Safe Wireless Institute.

There is an apartment in London ('The Tower of Doom') where 5 residents of 8 living on the top floor were diagnosed with varying cancers after 2 cell towers were installed on the roof of the building. One company (Orange) has removed their tower from the building while the other company (Vodafone) refuses to do so.

The book *Our Stolen Future* tells us how plastics are damaging our reproductive abilities; the movie *Children of Men* unveils a world where humans can't reproduce for unknown reasons; the quasi-fictional *The World Without Us* imagines the earth after humans have vanished. To avoid such futures, should we not be using the precautionary principle and ensure no damage will be caused to the ecosphere when introducing new technologies or adding extra capacity to existing technologies?

A cell phone has not brought down a plane but the precautionary principle suggests that we don't use them *in case* they pose a danger. The convenience is out-ranked by safety concerns. In Germany, the public health officer has recommended that no child under 12 use a cell phone and has attempted to ban cell phone towers and wireless networks around schools: the precautionary principle being used to protect the public from unknown but suspected risks.

Over the past few years there have been reports (mainly in Europe and America) that entire bee colonies are dying off in an epidemic being called Colony Collapse Disorder. The bees that collect pollen are not returning to their hives and the remaining colony dies off. This is of great concern as 1/3 of our food is grown by pollination and with collapsing bee colonies, pollination could not occur on a large amount of our crops.

Pesticide use, stress, disease and climatic change have all been mentioned as possible causes for the unnatural die off of bees; the only constant that exists over the continents is a massive build-up of wireless networks. What are the frequencies of a bee's hearing and navigation systems?

The convenience of having a cell phone as a means to keep in touch over distances is incomparable but the long term effects of short term convenience are not conclusively studied. I will certainly reduce my use of wireless technology until we can prove its safety; I have already plugged my phone, computer and headphones back in, hopefully some honest research and discussion will occur to protect ourselves and our life-sustaining system from unknown effects of new technologies.