

The following is a composite on the dangers of cell phones. The information is old, but I probably will not update this file. There is sufficient information contained herein that should give you pause to even have a casual call. I only use our one cell phone for *emergencies* ONLY. PBMD

*From Cell Phone Health Risks Report - Dialing Our Cells by William Thomas.*

### **CELL PHONES HURT CHILDREN EVEN WORSE THAN ADULTS**

*by William Thomas*

**( Excerpts )**

Last April, while corporate “news managers” were guiding the attention of Americans elsewhere, **a London newspaper reported on** “What Cell Phones Can Do To Youngster's Brain In 2 Minutes”.

It turns out that a call lasting just two minutes can open the “blood-brain barrier” in kids as well as adults, allowing toxins in the bloodstream to cross this blood vessel gateway into the skull and attack brain cells. The same two-minute cell phone exposure also disrupts the natural electrical activity of a child's brain for *up to an hour afterwards*.

“Leading medical experts now question whether it is safe for children to use mobile phones at all,” reported the Mirror. “Doctors fear that disturbed brain activity in children could lead to psychiatric and behavioral problems or impair learning ability.”

Dr Gerald Hyland says he is “extremely disturbed” by the new findings released in **Marbella, Spain by the Spanish Neuro Diagnostic Research Institute.**

“The results show that children's brains are affected for long periods even after very short-term use,” this mobile phone adviser to the British government explained. “Their brain wave patterns are abnormal and stay like that for a long period. This could affect their mood and ability to learn in the classroom if they have been using a phone during break time, for instance.”

### **CELL PHONE SKULL PENETRATION**

Dramatic photographs from a recent Spanish study show radio waves from mobile phones penetrating deep into the brains of an adult, 10 year-old and five year-old child.

Dr. Hyland and other MDs worry that cell phone's deep penetration into children's brains and the resulting disruption to the subtle electronic exchanges between brain cells could cause kids to lose the ability to concentration and remember, making it impossible to learn.

Dr. Hyland also states that cell phone use is **also linked with aggressive behavior in children.** Previous studies show that **anyone exposed to cell phone energy** may experience “radical changes” in mood and behavior. Measuring relatively low microwave and radio frequency power levels in urban areas in 1975, Dr. William Blise found clinically diagnosed depression and violence. These effects may be even more pronounced in more susceptible adolescent children. [EMF Health Report March/April, 1995]

"It makes one wonder whether children, whose brains are still developing, should be using mobile phones," this MD declared.

### **SWEDISH SCIENTIST FINDS CELL PHONE HAZARDS “TERRIFYING”**

Unfortunately for anyone still in ignorance or denial about putting the equivalent of a loaded pistol to their heads and pulling the trigger, new research from Sweden's Lund University Hospital corroborates the Spanish findings. The Swedes also found that exposure to radiation emitted by mobile handsets and neighborhood relay towers can destroy cells in the parts of the brain responsible for memory, movement and learning.

### **CELL PHONES EXPOSE BRAIN CELLS TO BLOODSTREAM POISONS**

A study by **Finish scientist Darius Leszczynski** published in the journal *Differentiation* shows that several hundred chemicals operating in a certain type of human brain cells could be altered by the weak microwaves broadcast by mobile phones.

The blood-brain barrier normally keeps toxins and microorganisms circulating in the blood out of the brain. But Prof Leszczynski found that at the legal limit for mobile radiation, a blood-brain barrier protein named **HSP 27** became ineffectual in keeping blood poisons out of brain cells.

### **MOBILE PHONES LEAD TO EARLIER ALZHEIMER'S**

Scientists have discovered that prolonged exposure to radiation emitted by mobile phones, cell phone towers and hidden relay stations can **destroy cells in the parts of the brain responsible for memory, movement and learning.**

Professor Leif Salford said, "We can see reduced brain reserve capacity", meaning those who would normally have got Alzheimer's or dementia in old age will get it much earlier, those who would not 'normally' have got Alzheimer's or dementia during their lifespan are at greater risk of doing so, and that both will at best have a significantly diminished number of non dysfunctional brain cells and brain subsystems throughout their lives.

**Neurosurgeon Leif Salford and colleagues at Lund university hospital in Sweden published data** including the above 'before and after' images showing for the first time, an unambiguous link between radiation emitted by GSM mobile phones - the most common type worldwide - and brain damage.

### **CHILDHOOD CELL PHONE USE MAY MAKE YOU SENILE AT 30**

According to RFSafe.com, "A whole generation of teenagers face premature senility in the prime of their lives due to the use of mobile phones and new wireless technology."

RFSafe.com continued: "Leif Salford, who headed the research at Sweden's prestigious Lund University, says the voluntary exposure of the brain to microwaves from handheld mobile phones is the largest human biological experiment ever. He is concerned that, as new wireless technology spreads, people may drown in a sea of microwaves."

Salford said it was possible that brain neurons would repair themselves in time. [Examples of brain cell self-repair are extremely rare. -WT] But the scientist warned, neurons that would normally not become senile until people reached their 60s might now do so when they are in their 30s. [RFSafe.com Nov26/03]

### **PHONING YOUR CELLS**

"Cell phones" are aptly named. Every call you make, every conversation you have on a cell phone dials your cells directly.

### **HIGH FREQUENCY = HIGH RISK**

It is not the power level but the **frequency of electromagnetic emissions** that pose the greatest danger. Even at **very low power outputs of typical cell phones and cell phone relay towers**, researchers have found the higher the frequency, the graver the risk.

### **YOU ARE AN ANTENNA**

### **CELL PHONE TOWERS TARGET CHILDREN**

TV, radio and cell phone towers adjacent to schools or homes could be killing kids. **An Australian study by Dr. Bruce Hocking has found that children living near three TV and FM broadcast towers in Sydney had more than twice the rate of leukemia** than children living more than seven miles away.

### **CELL PHONE TOWERS TRIGGER HYPERACTIVE LEUKEMIA**

After earlier studies showed leukemia to be more common among mobile phone users, cell biologist Fiorenzo Marinelli and his National Research Council team in Bologna, Italy began exposing this increasingly common cancer to the same 900-megahertz frequency of many mobile networks operating at low-power outputs experienced by those living, working or studying in the vicinity of cell phone towers.

### **CELL PHONES CAUSE CHILDHOOD CANCERS**

It is hardly surprising that cellular phone frequencies emitting artificial electromagnetic fields alien to millions of years of evolution can trigger or intensify existing cancers.

“ I believe that 30% of all childhood cancers are associated with EMF exposure.”  
declares **Dr. David Carpenter, Dean at the School of Public Health State University of New York**

**At the University of Washington, Dr. William Guy** saw nearly every test animals die from malignant tumors and immune system breakdown after five years' exposure to low-level electromagnetic fields. The EPA found Dr. Guy's \$5 million study “to have demonstrated the carcinogenic action of this type of pulsed RF radiation.” [Washington Post June7/95]

### **CHILD CELL PHONE USE INCREASING BECAUSE OF FASHION**

A primary school student in rural Shaoyang in central China follows fashion trends by using a mobile phone and wearing earrings and makeup.

### **CELL PHONES AND CANCER**

The scientific **evidence is absolutely conclusive: 60-hertz magnetic fields cause human cancer cells to permanently increase their rate of growth by as much as 1,600% and to develop more malignant characteristics.**

In 1990, the Environmental Protection Agency recommended that magnetic fields be classified as “Class B” carcinogens. This category for “probable human carcinogens” includes formaldehyde, DDT, dioxins and PCBs. [Dr.. Robert Becker, Cross-Currents]

Three major animal studies show the low-level microwave radiation similar to that emitted from wireless communication devices has a cumulative effect on cancer promotion. “At the molecular level, radio waves can

### **LOW POWER PULSES POSE EXTREME HAZARDS**

It turns out that the weak pulses emitted by today's digital cell phones mimics the subtle signals of the body's cells,

### **CELL PHONES AND EYE CANCER**

It turns out that the higher frequencies of today's “low power” cell phones are very close to the resonant frequency of the human skull. Cancer can be caused when radio frequency radiation released by a handheld cell phone bounces back and forth in eye sockets filled with “naturally conductive” fluid. Research from the University of Essen in Germany shows how this watery uveal layer comprising the iris and base of the retina absorbs cell phone radiation with every call, increasing the chances of contracting eye cancer. [Epidemiology Jan/01]

### **CELL PHONES CAUSE TUMORS TO SPROUT ON SIDE OF HEAD**

While users tout the “indispensable convenience” of pocket phones, which they happily did without for much of their lives, few seem to recognize the drastic inconvenience of cancer.

### **CELL PHONES RELEASE STRESS PROTEINS**

In 2002, Silva continued, the Journal of Cellular Biochemistry reported that heavy cell-phone use could cause brain cancer and other diseases by interfering with DNA repair of wayward cells.

Dr. Theodore Litovitz, a biophysicist and professor emeritus of physics

### **FORGETFUL CELL PHONE USERS**

Other researchers confirm the link between the use of mobile phones - and/or exposure of similar duration to radiation from mobile phone relay towers - and the early onset of Alzheimer's disease and dementia.

### **CELL PHONES AND ASTHMA**

Often attributed to steadily poisoned air in the enclosed spaces of a sun-orbiting space colony called Earth, alarming asthma increases among children and adults are also linked to cell phone pollution. Attempting to explain the 25% increase of asthma throughout the metropolitan area of Sydney, Australia, and the 5% increase in death rates there, cell phone researcher PW Franch found the production

### **CELL PHONES CUT MALE FERTILITY**

Of course, your offspring will never be affected by cell phone emissions if you do not – or cannot – have any. Radiation from the phones could cut male sperm production by a third, researchers from the University of Szeged, Hungary told the European Society of Human Reproduction and Embryology.

### **CROAKING**

For more than a decade, the precipitous decline in frog populations worldwide has been studied as a warning of high-levels of pollution or ultraviolet radiation from our planet's unraveling solar shield that could also be affecting humans. So far, studies have been inconclusive.

### **CELL PHONE RISK "EXTREMELY HIGH"**

Neil Cherry, a biophysicist at Lincoln University in Christ Church, New Zealand considers the proliferation of cell phones, microwave towers and microwave pollution to be a serious contributor to cancer, brain tumors and increasing neurological problems among the human population. >>>

### **DNA DAMAGED BY CELL PHONES**

In 1993, the wireless industry association hired Dr. George Carlo, an epidemiologist to manage a six year, \$28 million dollar research program into cell phone-cancer research. This study found genetic damage from wireless phone radiation. Dr. Carlo's Cell Phones: Invisible Hazards in the Wireless Age blames the wireless industry and federal regulators for not following up on studies showing DNA damage and other health hazards from wireless telephone use.>>>

### **CELL PHONE DAMAGE IS FOREVER**

#### **PRECAUTIONARY PRINCIPLE**

As more and more modern "advances" are revealed as hazardous to healthy cellular life and reproduction, it is time to shift our decisions to precaution and prevention rather than risk. Instead of asking what level of risk is acceptable, a precautionary approach asks, "How much risk can be avoided?"

In 1992, the U.S. signed on to a UN declaration endorsing the "Precautionary Principle". Europe - but not the USA - has actually adopted this approach, with much more stringent standards for electromagnetic emissions.

### **DISNEY ABANDONS LUCRATIVE CHILD-CELLPHONE BRANDING**

As industry watchdog Jeffrey Silva relates, in 2000, Walt Disney "discontinued licensing some of its cartoon characters for display on mobile-phone faceplates because of health questions."

NO CELL PHONE ZONE

CELL PHONE TIPS

HANDS FREE HAZARDS

CELL PHONES CARRIED IN PURSES OR WAIST POUCHES MUST BE "OFF"

Total Article 4,440 words including references and illustrations. Complete article \$2.99 or sign up to Convergence Weekly.

This fully updated article 2005 includes additional information on:

1. Cell phone risks to fetuses.
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Thank you for supporting my investigations at [willthomas.net](http://willthomas.net)

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### **TUMOUR RISK FOR RURAL CELL PHONE USERS**

By Nic Fleming Science Correspondent  
The Telegraph - UK 5-16-5

Mobile phone users who live in the countryside are more likely to develop brain tumours than those in towns and cities, a study published today shows.

Researchers found that people from rural areas who had used a digital mobile for five years or more were up to four times more likely to be diagnosed with a tumour.

They claimed the finding was due to handsets operating at greater power levels when they are further away from transmitters.

Mobile phone manufacturers rejected the findings, pointing out that all mobile phones operate at power levels that are within international safety limits.

Prof Kjell Hansson Mild, a biologist at Uppsala University, Sweden, said: "Mobile phones can use up to 1,000 times more power when they are far away from a base station.

"Our research suggests that you are more at risk of a brain tumour if you live in the countryside and are consistently using a mobile far from their transmitters."

When a mobile phone either makes or receives a call, it initially operates at full power. After measuring the signal strength coming from the transmitter, it turns itself down to the lowest power possible without losing the call.

Transmitter masts are more spaced out in the countryside and someone using a mobile frequently in rural areas absorbs far more energy from their handset than someone who uses their phone mainly in towns and cities.

Prof Mild and Prof Lennart Hardell, also at Uppsala University, whose research is published today in the journal Occupational and Environmental Medicine, identified 1,429 people living in central Sweden aged 20 to 80 diagnosed with brain tumours between January 1997 and June 2000, and matched them with a control group.

All participants were asked about phone use, of older analogue or newer digital models, or cordless phones.

Those who lived in the countryside who had used digital mobile phones for more than a year were 56 per cent more likely to have been diagnosed with a brain tumour than town and city dwellers.

Among those who had used a digital mobile for more than five years, those in rural areas were three-and-a half times more likely to have a tumour than those in urban areas. When those in both groups who had used their phones the most were compared, the risk was four times greater in rural areas.

Alasdair Philips, of PowerWatch, said holding a phone away from the head after dialing, until a call is answered, could reduce people's exposure to high power emissions. Dr Michael Clark, of the Health Protection Agency, said: "The results should be interpreted with caution."

Mike Dolan, the executive director of the Mobile Operators Association, said: "All mobile handsets in the UK comply with international health and safety guidelines which apply whether the phones are used in rural or urban areas."

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[Http://www.telegraph.co.uk/news/main.jhtml?xml](http://www.telegraph.co.uk/news/main.jhtml?xml)

World Exclusive -

### **You're In The Army Now**

By William Thomas

With desertions and casualties whittling the ranks, and military recruitment consistently failing to meet monthly quotas across the USA, the need to replace infantry divisions already serving their second 12-month deployments in Iraq has the Pentagon scrambling to avoid calling a draft. According to top recruiters, a plan already in place could send basic training graduates straight from boot camp into war zones before completing Advanced Individual Training in infantry tactics and other military specialties. But newly enlisted GI's are ineligible for promised sign-up bonuses — as well as medical or death benefits — if they are incapacitated or killed before completing their AIT.

### **DIALING OUR CELLS – CELL PHONE RISKS | ORDER NOW**

In this special report, electromagnetics author and researcher William Thomas examines the latest findings surrounding these controversial conveniences. What symptoms and illnesses are clinically linked to cell phones? How much exposure is safe? What about children? Are there any devices available that reduce exposure? Read the facts, check the documentation provided, and make up your own mind.

### **MICROWAVING IRAQ - WORLD EXCLUSIVE TO WILLIAM THOMAS**

#### Microwaving Iraq

A Convergence Weekly exclusive on secret US attempts to "pacify" Iraq with microwave weapons. Jan 24/05 | Desperate to improve images of civilian carnage, US commanders are using portable electromagnetic-frequency weapons in Fallujah and other "hot spots" in the Sunni Triangle to pacify restive neighborhoods with invisible EM radiation. "Active Denial" antenna arrays mounted on Humvees are also being deployed to panic and disperse hostile crowds by flash-burning exposed flesh with microwaves. But unintended side effects from the hidden rooftop transmitters are reportedly triggering violent attacks by exposed insurgents—while leading to AWOL rates of up to 15% among US forces disoriented by these same weapons, as well as the electromagnetic emanations from high-power radars, radios and "jammers".

### **STUDY FINDS CELL PHONES COULD CAUSE NON CANCEROUS TUMORS**

By Nancy McVicar Health Writer

Posted October 14 2004

People who have used cell phones for at least 10 years might have an increased risk of developing a rare brain tumor, according to a study published Wednesday in the international journal Epidemiology.

A team of researchers at Institute of Environmental Medicine at the Karolinska Institute in Stockholm, Sweden, found almost a fourfold increase of the tumors, known as acoustic neuromas, on the side of the head where the phone was most often held.

The work was done as part of the World Health Organization's cell phone research agenda, and experts in the field said it must be taken seriously and is likely to rekindle consumer worries about the risks of using the phones.

"The Karolinska researchers are respected around the world, and this study will force health agencies to take a fresh look at mobile phone risks," said Louis Slesin, publisher of Microwave News, who has been covering the industry since its early days. "This study should put an end to the industry's call to stop mobile phone health research."

At least one past study conducted for the cell phone industry also had suggested a link between the phones and this type of tumor. But cell phone industry officials on Wednesday said the Swedish research is only one study and that no conclusions can be drawn from it.

The study, involving 150 acoustic neuroma patients and 600 healthy people, is one of at least six studies of possible links between cell phone use and acoustic neuromas. Most of those studies had fewer long-term users than the Karolinska study.

Acoustic neuromas are slow-growing noncancerous tumors that develop on a nerve linking the brain and the inner ear. The most common first symptom is hearing loss, but as the tumor grows it can push against brain tissue. If not treated, it can be life threatening. Such tumors are very rare, occurring in about one person per 100,000 in the general population.

"It's a natural place to look [for a problem] because this is the area of the head that is exposed," said Anders Ahlbom, director of the Institute of Environmental Medicine at the Karolinska Institute in Stockholm. When a cell phone is in use, it emits radio-frequency radiation, some of which is absorbed in areas of the head closest to the handset.

To conduct the three-year study, the Karolinska researchers interviewed people who had developed the tumors -- asking about their cell phone use, how many different phones they had used, the makes and models, duration of calls, whether they used a hands-free set and on which side of the head they held the phone.

Researchers said they found no association between the tumors and the amount of use measured in hours or cumulative number of calls, but rather on the length of time those in the study had been regular users of cell phones. Regular use was defined as an average of at least once a week during six months or more.

Ahlbom said in a phone interview that the data are strong and statistically significant, but the findings must be confirmed by follow-up studies. He said the mechanism by which cell-phone radiation might cause tumors remains unknown.

Dr. David Savitz, chairman of the department of epidemiology at the University of North Carolina School of Public Health, Chapel Hill, said the new findings "suggest something a little bit troublesome."

"It is significant in the sense that it is the first well-designed study to show this," Savitz said. "There was an earlier study that came out, but it didn't have as many people with long-term use."

Dr. Henry Lai, research professor of bioengineering at the University of Washington in Seattle, also said the Karolinska study is not the first to show a link between cell phones and acoustic neuromas.

"Another Swedish researcher, Dr. [Lennart] Hardell found similar results in 2002," Lai said, "so this is, in effect, a replication. I think the data are quite solid and are cause for concern on long-term cell phone use."

Lai's own research found DNA breaks in the brain cells of animals exposed to radio-frequency radiation, results that were first published in 1994, and have been repeated by others, he said.

"We looked at DNA damage in animals, not in humans, and found that cell phone radiation can damage DNA," he said. The body's immune system has the ability to repair DNA breaks, but sometimes it can make a mistake and cause a mutation, which could be the first step toward cancer, Lai said.

Sam Milham of Olympia, Wash., an epidemiologist and pioneer in studying the effects of electromagnetic radiation on humans, said it usually takes 20 years or more for solid tumors to develop.

"I'm actually astonished that they found anything like this early," Milham said. "If that energy can do that to normal nerve tissue cells, what can it do to adjacent brain cells? I think it's the tip of a big iceberg, and the peak could be at 25 years past exposure.

"What's really alarming is that in the last five years an enormous number of people started using cell phones, including kids, so I think this is just the beginning of it. I hope I'm wrong."

According to the Cellular Telecommunications and Internet Association's Web site, updated daily, there are more than 170 million wireless subscribers in the United States.

The safety of cell phones was first called into question by the death of a Florida woman, Susan Reynard of Madeira Beach, from a brain tumor. In January 1993, the South Florida Sun-Sentinel published a story about a lawsuit filed by her husband, David, alleging that the cellular phone he bought her while she was pregnant caused or accelerated the growth of the tumor that killed her. The case was later dismissed for lack of scientific evidence.

At the time the suit was filed, the cell phone industry association, the CTIA, said thousands of studies had been done showing the phones were safe, but then was not able to provide any. The industry pledged to spend \$25 million on research to prove the phones are safe.

At least three federal agencies -- the Food and Drug Administration, the Federal Communications Commission, and the Environmental Protection Agency -- have roles in regulating radio-frequency radiation, but only recently has the federal government committed funds to studying the cell phone issue. Those studies are not expected to be completed for five to seven years.

Dr. George Carlo, an epidemiologist then working at George Washington University School of Medicine, coordinated the industry-supported project, which began in the mid-1990s. When the money ran out in 2000, Carlo said, more research was needed because one study showed the risk of acoustic neuroma was 50 percent higher in people who used cell phones for six years or more, and that there appeared to be a correlation between brain tumors on the right side of the head and the use of the phones on that side.

Carlo could not be reached on Wednesday, but the CTIA issued a statement on the Karolinska findings.

"This is just one study on this particular subject and no conclusions can be drawn from it," said spokesman John Walls. "The wireless industry agrees that more research is needed in this area to provide definitive answers to any questions that might still exist. Numerous independent scientific bodies have conducted research on possible health effects from using wireless phones and it is widely accepted that no conclusive link can be made."

Mays Swicord, director of electromagnetic energy research at Motorola in Plantation, one of the world's largest manufacturers of wireless products, said the Karolinska study has to be taken in context alongside 1,300 other peer-reviewed publications on radio frequency radiation and health. No consistent evidence has been observed for an increased risk of cancer, he said.

Swicord said the Swedish study findings eventually will be pooled with similar studies under way in 12 other countries as part of the so-called INTERPHONE study, an international collaboration coordinated by WHO's International Agency for Research on Cancer.

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### **THINK TWICE BEFORE YOU PLACE THAT CALL**

By William Thomas      Investigative Journalist      8-24-4

Though intended for renovations, Chris Anderson would like all visitors to deposit their cellular phones in the cement mixer by his front door. This sounds excessive - until you step into Anderson's orchard, where the pegged needle of a shrieking electromagnetic radiation (EMR) meter placed beside a connected cell phone still shows significant exposure 100 feet away.

Much to the chagrin of this certified EMR-mitigation specialist, every day some 300 million cell phone users are reaching out and touching someone you love. Yourself, and anyone else within range of the microwaves emitted by your phone.

Mesmerized by magical gadgets, we have yet to count the costs of miniature radio transmitters that are transforming Marconi's invention into new possibilities for portable personal pollution. As entire nations reach for pocket communicators, the explosively emergent \$40 billion a year mobile phone industry is poised to deliver a Wireless Revolution that over the next five years is expected to double the one billion people connected by telephone lines over the past century.

Silicon sensors are already calling to each other. Soon, countless communicating microchips embedded in everything from bumpers to brooms will be sending streams of encoded electrical energy through glass, steel, concrete, bone and flesh.

Exquisitely sensitive to subtle electromagnetic harmonies, human brains and bodies as intricate as galaxies depend on tiny electrical impulses to conduct complex life-processes -including the ability to read, recall and respond to these words. Acting as antennas, our anatomies just as easily tune into spurious signals from radio and microwave transmissions. Blake Levitt, author of *Electromagnetic Fields*, says that when it comes to cell phones, a worse frequency could not have been chosen for the human anatomy.

As cell phones conquer consumer minds and markets, researcher Carol Anne Patton notes that the brain reaches peak absorption in the UHF bands, right where cellular telecommunications operate. British military scientists have discovered that cell phone transmissions disrupt the brain sites for memory and learning, causing forgetfulness and sudden confusion. Other studies show that electromagnetic signals from cellular phones reduce the ability to concentrate, calculate and coordinate complicated activities such as driving a car. Startled by \$4 billion a year in extra claims among cell phone-wielding drivers, North American insurers did a double-take that found simply juggling cell phones is not causing a 600% increase in accidents.'

Hands-free mobile speaker-phones cause even more crashes because they typically emit 10 times more brainwave interference than handheld units.

For all drivers dialing out, University of Toronto investigators report that the heightened probability of cracking up your car persists for up to 15-minutes after completing a call. That's comparable to the risk of crashing while driving dead drunk exclaims Dr. Chris Runball, chairman of the B.C. Medical Association's emergency medical services committee. Reeling from dial-a-collision costs, the government of British Columbia may join England, Spain, Israel, Switzerland and Brazil in banning the use of cell phones by drivers.

In New Zealand, cell phone towers are prohibited on school property because of possible health effects, but Health Canada regulations ignore the hidden hazards of cell-wrenching cell phones, which send pulsed signals through the skull in a process one expert likens to jackhammers on the brain.

One of a handful of licensed electricians who understand electromagnetic fields well enough to eliminate them from household wiring, McGinnis has been testing EMFs and collaborating with fellow testers and researchers for nearly a decade. In Victoria, where he has helped residents defeat six cell phone towers,

there was dancing in the streets after Microcell Connexions withdrew its application to erect a microwave transmission tower against the Wishart Elementary School fence in the spring of 1998.

The cell phone's second-hand microwave and radio-frequency (RF) pollution pose invisible but significant risks to bystanders - particularly children riding in cars that transmit amplified cell phone signals through their steel structure. Reporting the conclusions of a 12-person British study team, scientist Sir William Stewart told London's Financial Times that children may be more vulnerable because of their developing nervous system, the greater absorption of energy in the tissues of the head and a longer lifetime of exposure.

Roger Coghill became a long-standing advocate for health warnings to be affixed to mobile phones after this biologist found that cell phone transmissions damage the ability of white blood cells to ward off infectious disease by disrupting the immune system's electromagnetic communications.

Dr. Neil Cherry has measured accelerated aging, increased cell death and cancers caused by radio frequency microwaves from cell phones and their relay towers. With the brain's electro-chemical communications repeatedly zapped by lightning-like cell phone pulses, this Ph.D. biophysicist warns that headaches, fatigue, lethargy, nausea, dizziness, depression, arteriosclerosis and even Alzheimer's can result from frequent or prolonged calls.

There is also a higher incidence of cardiac problems, Cherry comments, in terms of the timing function in hearts. You get more heart attacks and more heart disease, it has now been shown in many studies.

The biophysicist from Lincoln University in Christ Church, New Zealand has also found that cell phones can murderously modify moods. In brains and bodies seriously derailed by tiny imbalances in trace minerals and hormones, depression, suicide, anger, rage and violence can result when calcium and serotonin levels are disrupted by cell phone transmissions.

In 1995, mobile phone sales in North America exceeded the birth rate. Hired by the Cellular Telecommunications Industry Association to condone cell phones, public health scientist George Carlo found that tumors on the outside of the brain are more than doubled among cell phone callers - particularly on the right side of the head where cell phones are usually held. Carlo told ABC's 20/20 that cell phone causes genetic damage that leads to cancer.

Warning of the potential for a global health disaster, ABC recommended prudent avoidance of cell phones after finding that every cell phone they lab-tested exceeded the Federal Communication Commission's standards for EMF absorption rates. EMF researcher Dave Ashton cautioned 20/20 viewers that because cell phones constantly search for the nearest repeating tower, long-term damage comes from cell phones in the stand-by mode. cell phone shields and headsets cannot adequately address these problems, Ashton added.

Dr. Carlo later told London's Express newspaper that cell phones cause genetic damage following a dose-response curve. That is, the more a person uses a cell phone, the more cellular destruction and health risks they incur. Cell phone-confused cells can go crazy, Carlo cautioned. Experiments on captive animals show that this cumulative DNA damage is passed on to succeeding generations.

Addicted as we are to a culture of convenience, we forget how inconvenient it is to contract cancer. An Adelaide Hospital study confirmed Carlo's conclusions after finding B-cell lymphomas doubled in mice within 18 months of one-hour daily exposure to power densities experienced by a cell phone user. -B-cell lymphomas are implicated in 85% of all cancers.

#### READY OR NOT

As magazine-size cellular relay antennas hidden in church steeples and rooflines keep popping up just about everywhere, more and more communities are declaring their airspace a No Fry Zone. But in Canada, where cell phone towers come under federal jurisdiction, municipalities are only advisers to a

process in which no permits are required to erect transmitter towers deemed necessary for national security.

Many more lives are involuntarily imperiled by non-emergency calls. Pat Irwin was working in a Colwood health food store when she noticed a truck unloading metal framework. The next morning, a new cell phone tower was ready to add its emissions to another BC Tel tower already operating down the street. There had been no announcement, no public hearings - just a quiet notification to the municipality that a tower was going up, literally overnight.

The intruder radiated for a month when Irwin felt her immunity dropping. She wondered if other changes in her energy and menstrual cycle were not from the moon or something that I ate.

Irwin also seemed more irritable after her central nervous switchboard began receiving round-the-clock cell phone calls. With cellular relay towers in Kansas and Oklahoma being shut down because they interfered with passing aircraft, Irwin sensed how the same transmissions plucked her own electrical circuitry, inflicting a chronic edginess that twangs human nerves. Sleep disorders, she learned, are common among people exposed to high levels of electromagnetic pollution.

After several other women in the same business centre reported similar symptoms, Irwin quit her job. I saw it as something that was there to stay and I'd be daily exposed to it over a long period of time, she told Alive. All this stuff is what were playing with on a daily basis.

There is nothing safe about the new 1.9 gigahertz broadcasting frequency. Much like a boxer taking repeated blows to the head, rapidly pulsing cell phones signal permanent brain damage. A study by Dr. Peter Franch found unequivocally that cells are permanently damaged by cellular phone frequencies. This cellular damage, Franch noted, is maximized at low dosage - and inherited unchanged, from generation to generation.

Katharina Gustavss, a certified Building Biology consultant with 25 years experience, explains that CDMA's 217 Hz spikes are very close to the frequencies of human cell membranes. Gustavss accompanied a Microcell technician to the Colwood microwave relay tower Irwin and others had complained about. When he waved a spectrum analyzer, Gustavss checked the display and saw pretty scary energy spikes.

"What's that?", she asked the tech. I've never seen that before, he told her. It turned out that this cell phone tower tester only set his meter to an averaging mode. Switching to real time froze the readings at scary maximum output levels.

How dangerous are cell phones? The risk is extremely high, declares Dr. Cherry. There are 66 epidemiological studies showing that electromagnetic radiation across the spectrum increase brain tumors in human populations."

Cherry says that because cancer takes a decade to develop, it will be another 10 years before mobiles manifest a big bonanza in brain tumors. But he adds, we're already seeing acute effects that are noticed within minutes of using a cell phone.

After two minutes conversation, a cell phone's digitized impulses disable the safety barrier that isolates the brain from destructive proteins and poisons in the blood. Professor Leif Salford, the neurologist who carried out the research for this finding, informed the Daily Mail: It seems that molecules such as proteins and toxins can pass out of the blood, while the phone is switched on, and enter the brain. We need to bear in mind diseases such as MS and Alzheimer's which are linked to proteins being found in the brain.

#### **DANCING WITH THE TELECOMONSTER**

If you must pack a cell phone, treat it like a loaded pistol. Keep it turned off. Don't carry it near ovaries, testicles, or the heart. For partial protection, buy an antenna shield. Limit calls to one-minute, six to 10 minutes a month. Never fire off a cell phone with children anywhere in sight.

When it comes to cells, consciousness and cell phones, every call is collect. How can convenience count more than cancer? What is gained by being in constant contact with disembodied voices, while being out of touch with the friends and neighbours immediately around us? Are we comfortable having our location continually traced by monitoring authorities?

Unless we start voting with our wallets, consumer complacency could prove as species-limiting as corporate cynicism. Microwave frequencies are the same as those used in radar and your microwave oven, says Florida cell phone tower opponent Joe Chwick. You wouldn't think of sticking your head in the oven, but there is no hesitation to putting the cell phone to your ear

Having somehow survived three-million years of evolution without them, many contemporary hominids claim they cannot live without them. But -can exquisitely sensitive electromagnetic beings live with cell phones -and the towers their signals ride in on? Like polyethylene food and water containers, plastic cookers and coffee-makers, microwave ovens and petroleum powered vehicles, cell phones could be one of those brilliantly beguiling inventions we have to let go. Would hanging up on such an intrusive and hazardous addiction be so terrible?

On Jan. 1, 2001 I cancelled my cell phone service

*Originally published in Alive magazine*

**NOTES**

For a fee, an electrical engineer has about five different types of meters, including very effective gaussmeters, to measure these fields. The most expensive meters have the most accurate measurements. These can cost thousands of dollars, so it is best to hire an engineer who has them already.

We returned our new laptop\*, as the field with 18" of the screen was horrendous. The fields from satellites/cell phones and satellites/computers have been causing documented brain tumors for 20 years.

Laptops fields can be measured; there's a significant difference between models.

Don't ever stick your face within 10 inches of the screen for longer than a couple minutes, the field does start to substantially diminish about 20 inches from the screen on some models - for others, the field is a thick, heavy, and three feet deep of detrimental EMF, so that would drape your head and chest in the field.

<a href="http://www.emraa.org.au/rf/icnirpguideline.htm#top">http://www.emraa.org.au/rf/icnirpguideline.htm#top</a>	<a href="http://www.igwl.de/pdf/MOBILFUN/KLAGENG.PDF">http://www.igwl.de/pdf/MOBILFUN/KLAGENG.PDF</a>
<a href="http://www.buergerwelle.de/bodyscience.html">http://www.buergerwelle.de/bodyscience.html</a>	<a href="http://omega.twoday.net/stories/230816/">http://omega.twoday.net/stories/230816/</a>

All of the articles on this site are good to skim through

**The aptness of Russia for a launch of "World Without Waves"**

We and many scientists believe digital phones are far more dangerous than analog phones because the signals are pulsed at much higher microwave frequencies and laboratory studies have shown that pulsed radiation is more damaging to biological tissue than steady state radiation (Analog). as found with the Dr. Henry Lai reports of DNA single and double strand breaks, at lower than most cell phone power levels, using the RF frequencies of newer digital cell phones. The Lai Studies results were or are repeatable as done in DNA.

**PROTECTING OUR HEALTH CELL ~ PHONES CAUSE DAMAGE TO RAT BRAINS**

Protecting Our Health.org

9-19-3

Salford, LG, AE Brun, JL Eberhardt, L Malmgren and BRR Persson. 2003. Nerve cell damage in mammalian brain after exposure to microwaves from GSM mobile phones. *Environmental Health Perspectives* 111:881-883.

Salford et al. document serious neuronal damage in rat brains following exposure to microwave radiation from a cell phone, at levels comparable to what people would experience during normal use. Damage to nerve cells was observed in several places within the brain, including the cortex, hippocampus and basal ganglia. It was associated with evidence of leakage of proteins through the blood-brain barrier. The authors express concern that "after some decades of (often) daily use, a whole generation of [cell phone] users may suffer negative effects, perhaps as early as middle age."

In a companion news story in the issue of *Environmental Health Perspectives* in which the research is published, the journal comments: "It might be time to get serious about using your headset when talking on your mobile phone and encouraging your family members to do the same."

What did they do? Salford et al. exposed rats to microwave radiation from a GSM cell phone, varying the intensity of radiation across a range that would be experienced by mobile phone users. The rats were contained within plastic trays inside a specially constructed wooden box that allowed free movement, other than to prevent direct contact with the source of radiation. One set of animals was placed in the box without turning on the transmitter; they served as a control group. The others were exposed to peak power densities of 0.24, 2.4 and 24 Watts/square meter (which translates to 2 milliWatts per kg, 20 mW/kg and 200 mW/kg, respectively). Each group contained 8 animals.

After a 50-day waiting period, during which the rats were monitored for behavioral abnormalities, Salford et al. killed the animals, carefully removed their brains, and studied them by applying stains and albumin antibodies that allowed detection of abnormalities.

What did they find? As expected, both control and experimental animals had albumin within the hypothalamus. This is normal.

Exposed animals, however, were much more likely to have albumin leaking from blood vessels in inappropriate locations.

A closer look at the cells within the brain revealed that exposed animals had "scattered and grouped dark neurons... often shrunken.. with loss of internal cell structures." These altered neurons were seen in all locations, but "especially the cortex, hippocampus and basal ganglia."

What does it mean? Most of the public debate about possible health effects of microwave radiation from cell phones has focused on cancer. While debate about this continues, most studies, including by Salford's research team, have had negative results.

This work focuses on a different mechanism which had been identified by earlier authors (e.g., Oscar and Hawkins 1977) but not pursued vigorously: increased permeability of the blood-brain barrier. These results clearly establish an adverse impact at levels within the range experienced by people using cell phones.

According to these scientists, "intense use of mobile phones by youngsters is a serious consideration. A neuronal damage of the kind described here may not have immediate, demonstrable consequences, even if repeated. In the long run, however, it may result in reduced brain reserve capacity that might be unveiled by other later neuronal disease or even the wear and tear of aging.

We cannot exclude that after some decades of (often) daily use, a whole generation of users may suffer negative effects, perhaps as early as in middle age."

That is a cautious way of saying that Salford and his team of scientists are very concerned about the possible human impacts of cell phone use. Indeed, as noted above, the journal in which these results

were published, Environmental Health Perspectives (the journal of the National Institute of Environmental Health Sciences), went so far as to recommend using headsets.

[Http://www.protectingourhealth.org/news/science/learning/2003/2003-0129salfordetal.htm](http://www.protectingourhealth.org/news/science/learning/2003/2003-0129salfordetal.htm)

### **NEW PHONES DANGER**

by Robbie Collin

Cordless handsets 100 times worse than mobiles, say experts.

Having a cordless phone in your house can be 100 times more of a health risk than using a mobile. The popular phones constantly blast out high levels of radiation - even when they are not in use. Landlines are widely thought a safer option than mobiles. But researchers in Sweden now warn cordless phones are far more likely to cause brain tumours than today's mobiles.

Emissions from a cordless phone's charger can be as high as six volts per metre - twice as strong as those found with a 100 metres of mobile masts. Two metres away from the charger the radiation is still as high as 2.5 volts per metre - that's 50 times what scientists regard as a safe level.

#### **Powerful**

At a metre away the danger is multiplied 120 times - and it only drops to a safe 0.05 volts per metre when you are 100 metres away from the phone. Because of the way cordless phones work, the charger constantly emits radiation at full strength even when the phone is not in use - and so does the handset when it is off the charger.

The most common cancers caused by such radiation are leukaemias. But breast cancer, brain tumours, insomnia, headaches and erratic behaviour in kids have also been linked. Those with chargers close to their beds are subjected to radiation while they sleep.

Phone watchdog Powerwatch, using a testing device called the Sensory Perspective Electrosmog Detector, even found electromagnetic fields as strong as three volts per metre in a bedroom above a room holding a cordless phone.

The group's director, Alasdair Philips said: "As ill-health effects have been found at levels of only 0.06 volts per metre, this is very concerning. It's likely everyone in a house with a cordless phone will be constantly exposed to levels higher than this."

The shock Swedish report - by scientists Lennart Hardell, Michael Carlbery and Kjell Hansson Mild - is backed up by many medical experts who believe cordless phones are a health risk.

Harley Street practitioner Dr David Dowson said: "Having a cordless phone is like having a mobile mast in your house. I'd recommend anyone who has one to switch to a plug-in phone."

But BT's health advisor, John Collins, disagreed. He said: "There's no conclusive scientific evidence linking the radiation to any of the symptoms experienced. The evidence is that it doesn't do us any harm. We're a responsible company and abide by all the guidelines set down by recognised experts."

News of the World, 5th February 2006

### **CELL PHONE & EMF CHILDHOOD BRAIN CANCER LINKAGE**

From Don Maisch - Australia 11-14-4

A surprising story on tonight's "A Current Affair" had a prominent (and brave) Australian neurosurgeon actually admitting on national TV that an alarming increase in children's brain cancers may be connected with mobile phone use (and exposure to other sources of EMF). Lets hope he does not become a target for the Telcos as others have, such as Stan Barnett and Peter French. With Motorola effectively controlling cell phone research in Australia it will be interesting to watch their unholy spin as a result of the following.

With the current population of Australia running at about 85% cell phone ownership watch those brain tumour rates increase in direct proportion to cell phone profits!

*Don Maisch*

### **BRAIN TUMOURS - THE SILENT KILLER**

Reported by Ray Martin      A Current Affair - Australia

Dr Charlie Teo - a pre-eminent neurosurgeon is at the cutting edge - literally - of a 21 per cent increase in children's brain tumours. He's curious about the effect mobile phones and Electro Magnetic Radiation [EMR] may be having on these statistics, and has issued a warning to parents to be aware...

So cautious is Dr Teo, the subject of his 12-year-old daughter having a mobile phone in their family, he confesses, is a sore point. "The argument for her having a mobile phone was there are some benefits of it and that is in emergency situations, but she has promised me - she is a very sensible girl - she will use a loudspeaker facility all the time," he says.

Dr Teo has every right to be nervous; it is his personal belief that there may be an association between EMR and the development of brain cancer. And while he is not seeking to be alarmist, he does want people to be more aware, especially with children.

It's a belief backed up by Senator Lyn Allison, who spent a year listening to the scientists to find out what the risks are. She discovered there is very good reason to worry. "We're all a bit awash now in radio frequency and radio waves generally and we are not altogether sure what effect that has on us," she says. Senator Allison says that the fact that brain tumour is now the number one life-threatening disease for children - above leukaemia - is consistent with studies in Europe and the UK.

"[These studies show] there has been a 40 per cent across-the-board increase in the number of brain tumours in the past 20 years," she explains, "now that 20 years has coincided with the use of mobile phone and many other radio frequencies..." And the thickness of a person's skull, according to scientific studies read by Senator Allison, can also distinguish levels of vulnerability. "Scientists say that the thickness of the skull in children makes a difference, it is quite thin compared with adults and there is more brain fluid - which means that the radiofrequencies can travel through the brain more easily," she says.

Dr Teo offers more specific evidence of patients whose tumours correspond with their use of mobile phones. "When patients come in with a brain cancer, I often say to them, "your cancer was on the right side of the brain, it is in the area just above your ear, can you tell me if you feel that you have had more exposure than most people to mobile phones," and I am surprised that most people say, "yes I have used my phone continuously for the last seven years and it is always stuck to my ear on this side..." well, that is where the cancer is.

Canberra parents Geoff and Denise O'Connell have had their own personal experience of these statistics. They lost their seven-year-old daughter Kessia to a brain tumour. Their own research has made them aware of the risks associated with exposure to EMR. "I wouldn't move in next to a telecom tower or mobile phone tower and certainly if there were heavy duty electrical wires I would be very uncomfortable," says Geoff.

KessiaCare Foundation Ltd.    <http://www.kessiacare.org.au/>

Brain Tumour Australia    <Http://www.ozbraintumour.org/BTA/btmain.htm>

### **PROTESTERS TOPPLE CELL PHONE MASTS OVER HEALTH SCARE**

By Daniel Foggo      The Telegraph - UK

"...those living near [cell phone masts] have complained of illnesses ranging from cancer to motor neurone disease."

Activists have begun tearing down mobile-phone masts around the country, as public concern over the health impact of the radiation they emit continues to grow.

The destruction of the masts - as many as four in a single week - signals a dramatic stepping up of the campaign to stop them being placed on top of, or close to, people's houses.

Earlier this month, masts were brought down at Wishaw and Dudley in the West Midlands, Crosby in Merseyside and Tiverton in Devon. At least four have also been brought down in Northern Ireland in recent months.

Although government advisers say there is no evidence that the masts threaten peoples' health, those living near them have complained of illnesses ranging from cancer to motor neurone disease. Some scientific studies have suggested that the radiation produced by the aerials has an impact on sleep patterns and could have health implications.

Lisa Oldham, the director of Mast Sanity, a group that campaigns against the masts being sited close to communities, said: "We don't condone the use of criminal acts to bring down the masts, but this does suggest the level of protest against them.

"We are swamped with people protesting about them. There are thousands of groups trying to get masts moved or trying to prevent new ones being placed near their homes."

At Wishaw, a village near Sutton Coldfield, a 74ft mobile mast was pulled down in the early hours of November 6 by a protester using a rope and haulage equipment. The mast, which was put up 10 years ago on a narrow patch of land between a field and a livery yard, has been blamed for causing a cluster of cancers in the area.

Among those living in the 18 houses within a 500-yard radius of the mast there are 20 cases of serious illness, including cancers of the breast, prostate, bladder, lung. One man is dying of motor neurone disease. Many of the people affected are in their thirties and forties.

Since the mast was toppled, residents have refused to let the network provider, T-Mobile, replace it and the situation has now developed into an uneasy stand-off.

Eileen O'Connor, who lives within 300 yards of where the mast used to stand, had breast cancer two years ago at the age of 38. She noticed that many of her neighbours were attending her hospital with similar problems and set up Sutton Coldfield Residents Against Masts (Scram).

"We have absolutely no idea who took the mast down, and obviously it was a dangerous and inadvisable thing to do," said Mrs O'Connor, who runs an internet advertising business. She and her children, who also suffered ill-effects, sleep under copper-mesh "mosquito nets" in an effort to deflect any mobile phone radiation.

"The first I knew about it was when I looked out of my window in the morning and couldn't see the mast. Apparently the company said that they lost the signal at 12.30am. Someone had unbolted the mast and pulled it over using a rope."

Clare Villanueva, a solicitor and Scram campaigner in Wishaw, has written to Crown Castle, the company that owns the land on which the mast stood, saying that it cannot legally gain access to the site to replace the mast because its path crosses someone else's land.

Residents are now carrying out a 24-hour vigil to ensure that a new mast is not set up, and both sides are paying for security guards to patrol the borders of the land. The locals have suggested an alternative location away from habitation for T-Mobile to use, but this has been rejected by the company.

A spokesman for T-Mobile said that the police had been called to investigate. "It defies belief that nobody in Wishaw noticed when the mast was coming down," he said.

A spokesman for the Mobile Operators' Association, which represents the five network providers on health and planning issues, said that all its members operated within accepted World Health Organisation guidelines for radiation emissions and there was no proof that masts caused health problems.

She added: "The number of masts being brought down is very small in the overall scheme of things. However, it is certainly worrying that people are taking direct action, because they could seriously hurt or even kill themselves."

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<http://www.telegraph.co.uk/news/main.jhtml?xml=/news/2003/11/30/nma>

<t30.xml&sSheet=/news/2003/11/30/ixhome.html>

### **THE MAST CRUSADERS**

Terry Kirby – The Independent November 23, 2004

The ill-fated Cornish revolt of 1497 began in the pretty, isolated village of St Keverne on the Lizard peninsula, as a protest over unjust taxes levied by London. Now, its population has rebelled once more against an idea imposed from afar, which they believe could have been far more damaging than any mere financial loss.

This time the population has had more success than in 1497, when its leaders were executed. They have won their point and become one of the few communities in the country to be without a Tetra radio mast. "It's not as though we aren't already chock-a-block with radio masts and aerials around here: there's the BT Satellite Earth Station at Goonhilly, and RAF Culdrose up the road," says John Gough, spokesman for the anti-Tetra campaigners. "But when we saw they were going to put up a Tetra mast, we decided to find out about it on the internet. We were immediately very concerned." More than 350 people out of a total population of only 1,600 lodged objections to the local planning committee, which rejected the application to erect the 50ft-high mast on farmland near the village.

It was the experiences of others elsewhere that motivated the St Keverne campaign. They learnt of stories like that of Andy Davidson in Worthing who, suffering headaches and insomnia, had to sleep with metal plates around his head; and of the 80 people around Dursley in the Cotswolds who claim to have suffered similar problems, one of whom has covered her bedroom windows with metal mesh to stop the symptoms. They also learnt of Mandy Keeling and her family in Bognor Regis, whose sickness and sleeplessness ended when the local Tetra mast was taken down.

You may not have heard of Tetra masts, but there's almost certainly one near you. If not, it's on the way. Tetra - Terrestrial Trunked Radio - is the new police communications network that is replacing their outdated, unreliable VHF system. It gives officers a mobile phone and two-way radio in the same handset, and is being implemented around the country by O2 Airwave, previously part of BT, which has a £2.9bn, 15-year contract with the Home Office to supply all 51 forces in England, Wales and Scotland through a network of around 3,500 masts. Around 40 forces have been supplied so far, but the system will not be fully operational until May 2006.

Around 70 per cent of Tetra masts have been, or will be, built on sites already in use; some replace old masts, others are added to existing ones. The remainder are new masts, such as St Keverne, requested by police to improve communications in remote areas. The Home Office says it chose the Tetra system, which is used in 65 countries, in preference to others such as the French-based Tetrapol, used in about 28 countries, because it is technically superior. It was criticised by the House of Commons Public Accounts Committee for failing to incorporate financial safeguards in case the health fears proved justified, and by the EC for refusing to accept tenders from non-Tetra operators.

But the programme's completion next year is unlikely to be the end of Tetra installations. O2 Airwave is short-listed for the contracts to supply the fire and ambulance services; this may lead to further masts. If Airwave is not awarded the multimillion-pound contracts when the decisions are announced over the next two months, it will be seen as a victory for anti-Tetra campaigners and evidence of a lack of official faith in the Tetra network.

Although the health fears surrounding Tetra are linked to concerns about mobile-phone masts, the symptoms that affect some people appear consistent - sleep deprivation, nausea, headaches, ear pressure, nosebleeds. They seem to stop when the Tetra exposure ends. They occur, it is claimed, because the masts transmit and receive signals on the 400 MHz frequency, which are pulsed at 17.65Hz. In 2000, the Government's report on mobile-phone safety by Sir William Stewart, a former chief scientific adviser, recommended that frequencies around 16Hz - the frequency at which the human brain transmits signals - be avoided as a precaution, even though there was no confirmed health risk.

Campaigners say the apparent link between cause and effect underlines their concerns about Tetra. In Bognor Regis 44-year-old Mandy Keeling began to vomit last New Year's Eve. "It was the day, I later learnt, that the Tetra mast 150 yards from my home began transmitting. I had two months of nausea, headaches and poor sleep. Doctors could do nothing. Then I heard about the mast. I was cynical about it at first. I thought, 'Pull yourself together.' I've lived here for 12 years, and there are other mobile masts, but none had made my brain vibrate." By now her two sons, aged nine and 19, were suffering, too; the younger one had nosebleeds.

She went knocking on doors and discovered neighbours had been affected as well. They campaigned to have the mast taken down; eventually, the company agreed. The mast was dismantled in May. Keeling was transformed: "I felt better within a month, and we're all perfectly healthy now. Except when I go near a Tetra mast somewhere else."

What seems clear is that, if Tetra does have an affect, it is only triggered in those who are sensitive to low-frequency radio waves are directly exposed. After months of sleeplessness and headaches, Andy Davidson's solution was to take a couple of metal plates and place them around his pillow to block out the signals from the transmitter across the playing-field; both the mattress and the plates were earthed. It worked. "It may be strange, but it's the only way I can get a decent night's sleep," he says. But his wife and children have not suffered, and a survey of more than 400 local people showed that, while around 40 per cent had suffered from sleeplessness and/or headaches since the mast arrived, everyone else was OK. Davidson is now moving house.

His case is one of hundreds of examples collected by Tetrawatch, the national campaign against Tetra, which has gathered force as Tetra has been rolled out around the country over the past three years. Tetrawatch argues that the system is untested; is being imposed secretly; is shunned by many other European countries, including France; and that health fears are being underplayed by the Government in the same way that, say, the link between CJD and BSE was in the early 1990s.

John O'Brien, the spokesman, stressed that the Tetra system in this country is different to both Tetrapol and other Tetra systems elsewhere, because to meet police requirements it uses the pulsed technique, which is feared to create the symptoms. "This is an untried and untested system. There is something different about this type of Tetra system compared with other mobile transmissions systems, and that is why we're worried about it." And concern isn't confined to people living near base stations - a number of landowners, including Lord Cowdray and the Duke of Norfolk, have refused to allow Tetra masts on their land.

And then there are the police officers, who are being exposed every day. When Tetra first began, the Police Federation, which represents lower-ranking officers, commissioned a report by an independent physicist, Barrie Trower. He predicted the occurrence of cancers resulting from Tetra and warned that the system could lead to "more civilian deaths in peacetime than all the terrorist organisations put together". But it was too late. Tetra was already being rolled out around the country.

One of the first forces to go "live" was Lancashire, in 2001. Within a short space of time, more than 170 officers out of a force of 3,500 were reporting the typical symptoms. But, says Steve Edwards, chairman of the local branch of the Police Federation, complaints have tailed off. "If my members were suffering on a daily basis, they would be knocking on my door every day. They are not. Opinion is divided. I can't tell members it's safe, but I can't say it's definitely going to damage their health."

But concerns remain. In Leicestershire, PC Neil Dring, an otherwise healthy motorcycle officer, suffered headaches and nosebleeds soon after being issued with his Tetra handset. He developed oesophageal cancer and died this summer. His family believe the cancer was linked to his handset, which he wore strapped to his body. Another officer in the force has also developed the same relatively unusual cancer.

It is not, says Steve Edwards, as though the Tetra handset is even the answer to all police communication needs. "Tetra hasn't delivered yet. It's encrypted, so it's more secure than VHF, but it can't yet do all the things we were told it would, like send photos, link to the police national computer, or allow communication between officers in different forces. We hope it will be better when the whole system is up and running."

Medical opinion is divided. On one side are the "establishment" scientists, such as Professor Colin Blakemore, chief executive of the Medical Research Council, who say there's no evidence that Tetra is unsafe; on the other, independent consultants such as Dr Gerard Hyland, a former head of physics at the University of Warwick, who believe otherwise. "We could be seeing a pandemic of brain tumours in 10 years," he told *The Ecologist* recently. Earlier this year, the National Radiological Protection Board (NRPB), the independent watchdog, concluded: "Although areas of uncertainty remain about the biological effects of low-level RF radiation... current evidence suggests it is unlikely that the special features of signals from Tetra mobile terminals and repeaters pose a hazard to health."

Curiously, *The Ecologist* pointed out, there is now what some see as evidence of official backtracking on the Stewart report. Professor Blakemore, a member of the NRPB's advisory group and the Stewart committee, said 16Hz radio waves provide "no cause for alarm. I still hold to both of my previous statements. In principle, it would have been better if 16Hz pulsing could have been avoided. But that was said in the context of the strict precautionary approach of the Stewart report." Professor Lawrie Challis, deputy chairman of the Stewart committee, said the 16Hz warning was made in recognition of the existence of "unreplicated research from the 1970s", and there was "no evidence that 17.65Hz modulation of the emission from Tetra phones would lead to any adverse health effects".

Tetrawatch questions the NRPB's independence from the vested interests of the Home Office and the mobile-phone industry. Answering the criticisms, Home Office ministers and Airwave cite the technical virtues of Tetra, and refer health concerns to the conclusions of the NRPB. The Home Office says some symptoms suffered are, like those associated with mobile-phone masts, often related to stress caused by a perception of risk, rather than the reality; whether some people are genuinely sensitive to certain radio waves, it says, must be the subject of further research. It has also commissioned a 10-year study of police handsets by Imperial College London. But Tetrawatch says if its fears are justified, any results will come too late.

Airwave adds that gaining the fire and ambulance contracts would help to provide an integrated national system with only "minimal" increase in the number of masts; that it operates within recommended NRPB safety levels; and that the handsets pulse, the masts do not. But such assurances are not enough for Mandy Keeling: "If a food you could buy on the high street had all these concerns raised about it, it'd be off the shelves straight away."

Back in St Keverne, John Gough, a 69-year-old retired research chemist, believes they have saved the village from an experiment with uncertain consequences: "I'm a scientist and was a radar mechanic in the Army, so I know a bit about radiation. Nobody can give us any assurances about the long-term effects of low-level frequencies, and I don't see why anybody, anywhere, should be used as a guinea pig for this."

[http://news.independent.co.uk/world/science\\_technology/story.jsp?story=585672](http://news.independent.co.uk/world/science_technology/story.jsp?story=585672)

## **DANGEROUS RADIATION FROM HIDDEN CELL PHONE TOWERS**

Rense.com

By Ted Twietmeyer

8-7-4

Most people are unaware of the Radio Frequency (RF) radiation they are exposed to. Radiation is usually associated with radium, weapons, medical treatments, nuclear power plants and smoke detectors. Before we discuss covert cell towers and other numerous radiating antennas being installed with impunity, we should review the RF spectrum. This will be helpful in understanding how the radio spectrum affects us. We will not discuss HAARP, which is in itself a unique area of the radio spectrum in the shortwave band.

There are essentially TWO types of harmful radiation (not including light such as ultraviolet):

A. GOVT. CONTROLLED RADIOACTIVE SOURCES: Power plants, smoke detectors, medical treatment sources, etc...

B. UNCONTROLLED RF EXPOSURE: Radio Frequency devices of many types. The RF spectrum is regulated by the FCC in America, and other similar regulatory agencies that exist in other countries around the world through international radio agreements. Yet most of them appear to be very unconcerned about health effects.

We will concentrate on the latter in this essay - UNCONTROLLED RF EXPOSURE. RF signals are without a doubt an invisible form of pollution. Most people see a smokestack smoking and scream "OH ! Look at that pollution !" But as we will see, this is not really the most immediate, serious health hazard. What IS known about RF, is that unhealthy effects from it are related to an almost infinite combination of each of the five following factors:

1. FREQUENCY - Certain frequencies are absorbed in the body more than others. For example, the new riot control weapons the Pentagon have operates in the Super-High Frequency (SHF) region. This frequency is about 15 times higher than a conventional microwave oven. Although SHF is not absorbed into the skin, it boils perspiration on the skin causing pain.
2. DURATION - How long you are exposed to the radiation, or how long the transmitter is "on."
3. DISTANCE - How close you are to the antenna. Energy levels decrease with the square of the distance.
4. POWER LEVEL - What the strength of the signal is. This is measured in microwatts, milliwatts and watts. One microwatt is a millionth of a watt, One milliwatt is one-thousandth of a watt. For example, 1,000 milliwatts is one watt.

Cell phone power levels are often in the 100 milliwatt to 4 watt class. In the past, older bag type cell phones people carried around, were up near 4 watts of power. Getting a strong signal was no problem. Today's pocket cell phones are in the 100 milliwatt area. Reducing the power goes with size reduction and a smaller battery. This also reduces cell size, which actually is beneficial as I'll explain latter.

5. SUSCEPTABILITY - Like tobacco smoke, you cannot tell if you will or will not become ill from RF exposure. But RF heating of body tissues and possible DNA alteration (mutation) happens to 100% of the people exposed to RF. The amount of heating is determined by a combination of the four factors above. The immune system is responsible for cleaning up mutant DNA. But can the immune system clean it out all the defective DNA and dead cells, and do this indefinitely ? Modern medical science knows there are limits to how much of an assault on the body the immune system can deal with.

### **WHY RF IS SIMILAR TO RADIOACTIVITY**

For those familiar with radiation exposure hazards, the striking parallels to radioactivity are obvious here. RF Frequency is similar to the radiation type, like Alpha, Beta or Gamma. In fact, each of these particles move as a frequency above that of ultraviolet light, and are actually composed of high speed particles.

Each of the particle types affects the human body and systems in different ways. RF power level is like the number of particles per second of a radioactive source. Both duration and distance also translate into the realm of radiation exposure.

We know that certain radioactive particles from Alpha particle emitters cause the most damage to lung cells when inhaled. Alpha particle ionizing radiation alters DNA in cells, and can create pre-cursor changes leading to cancer. Tissues and structures in the body that appear on scans and x-rays are sometimes diagnosed as a "pre-cancerous condition" by doctors. Older camping mantle lanterns were very radioactive, because they were made from the element thorium. (The author of this paper found such a radioactive mantle in an older propane lantern. It is believed that most of these are now off the market.)

The reason for discussing the above subject, is to show that anything which alters cellular DNA can be extremely unhealthy. And this is both nuclear radiation and RF. There are also chemical and effects from ultraviolet as well.

### **THE RF SPECTRUM - WHAT DIFFERENT RF FREQUENCIES DO TO THE HUMAN BODY**

For our European friends, please note that all the frequencies referenced below are for the American and Canadian radio spectrum. The lowest frequencies are radio waves, that are actually the same as frequencies as the audio sound which comes out of your speakers. This called VLF, or Very Low Frequency. These waves have wavelengths measured in thousands of miles. They pass through the body without damage.

Commercial AM radio signals, use waves that are also quite long and pass through the body with relative ease. These are also waves, whose wavelengths are measured in hundreds of feet. Shortwave signals are also very long, and this part of the spectrum reaches up to a part of the military band, located below TV channel 2.

Decades ago, people could go to a doctor for aches and pains and be treated with a Diathermy machine. This machine was essentially a shortwave radio transmitter, and operated with a curved antenna that fits the human body. When placed against the skin, the antenna radiated energy that was absorbed deep in the body's tissues. A sufficient power level of RF energy will cause currents of electricity to flow in these tissues, thereby creating warmth. These machines are probably outlawed by now and died a quiet death in America. RF energy causes molecules to collide with one another creating heat. This occurs in tissues like muscles, as well as blood.

FM stations (located in the radio band near TV channel 6) and over the air television channels 2 through 13 are all in the VHF band. These signals can also pass through the human body without harm. These waves are measured in several feet.

When you look at any TV antenna, multiply the width of the antenna by four, and that will be the wavelength of the wave from the TV transmitter. Hence the term 1/4 wavelength, which is a design rule for most antennas.

Television channels 14 through 83 are in the UHF region. Channel 83 is actually just below analog cell phone frequencies. Programmable police scanners scan police channels that are very close to cell phone frequencies.

(Privacy laws force scanners to block the cell phone band. )

### **WHERE DOES MICROWAVE BEGIN ?**

We are now entering the realm where RF begins to affect the human body at a distance. It is generally considered that any frequency above TV channel 83 is microwave. There is a "fuzzy" line between microwave and non-microwave radio signals. In fact, the upper channels of the UHF band in America are considered the near microwave band. Radio signals operating with short wavelengths measured in centimeters, can increase the temperature of water and tissues at a distance. Although most people equate this only with microwave ovens, this effects happens at lower frequencies. Complex proteins present in blood also break down into toxic materials. These invisible, toxic compounds can cause

increasing muscle, joint and nerve pain in people over time as toxins build up in the body. Alteration of proteins and toxin generation not only happens to the body when exposed to RF, but also to food in microwave ovens. Many people have put their microwave ovens on the curb, when they discovered their pain was linked to microwaved food. The effects of microwaved food on the immune system are largely unexplored by mainstream science, but are well known by those that suffer from them.

In reality, Diathermy treatments work on the same principle that microwave ovens operate on, except that microwave ovens use higher power levels and higher frequencies. In later years after Diathermy became popular, it was found that higher RF frequencies allowed heating at a distance, without direct electrode contact. The story about the microwave oven invention is that it was discovered by accident, by an engineer working in an electronics lab. He found the radiation from the equipment melted a candy bar in his pocket. Amana is credited with building and selling the first commonly available oven - the infamous RadarRange. The discovery reminds one of the sticky-note origin story. Another accidental discovery - found while 3M was trying to create a better adhesive..

For many years, everyone treated microwaves as nothing to be concerned about. No one learned from the lessons of Madam and Pierre Curie who tinkered with radium a century ago, and died from radiation poisoning. Remember the comparison of RF with radioactivity above ? Several decades ago, a man walked past the front of a telephone relay dish on the roof of a building. He suffered no immediate ill effects, but died some days later in the hospital as his organs began to fail. His organs had absorbed the microwave radiation, and were permanently and fatally damaged. He was essentially cooked and didn't know it. If he had walked past a sufficient amount of Plutonium, the same thing would happen but in a different way. He would have still died.

#### **RADIATION BY ANY OTHER NAME IS STILL RADIATION**

Today, ALL microwave transmitting dishes and antennas must have radiation stickers on them, if people can become near them. Located on the front nose-cone of aircraft are small warning stickers if they have radar. The radar MUST be turned off when the aircraft is on the ground, as it is hazardous to ground personnel. Warning stickers use the universal radiation warning symbol, of three triangles inside a circle. This the identical symbol used for radioactive materials. Many in the armed forces know the stories and often unpleasant fate of those that unknowingly walked in front of operating aircraft radar.

C band microwave remote uplink trucks used at sports events use power levels typically on the order of 120 watts. Fortunately all the RF energy is pointed upwards towards a satellite more than 22,000 miles away.

Now with all that said, how are WE being irradiated ? The effects of low level radiation are only now beginning to be understood\ from the efforts of lab research around the world.

There are a number of RF frequencies the FCC has set aside, that have unlimited civilian use. Although related unlicensed transmitter operation is usually limited to short range digital devices like garage door openers and cordless phones, low level RF may have a cumulative effect that is not yet understood. For a more in-depth look at complex microwave frequency allocation assignment by the FCC see [6].

#### **Here is a quick list of common sources of radiation:**

1. CELL PHONES - Here the antenna is very close to the brain, and many studies have been done on this. Recent studies done in Europe show that tumors can be induced in rats, which are exposed to the same power levels and distances that normal cell phone users are from the phone's antenna.
2. CORDLESS PHONES - In reality, these are as detrimental as cell phones because they operate near the microwave frequencies of cell phones (microwave.) In some ways, they could be worse than cell phones because many people spend more time on these.

3. GARAGE DOOR OPENERS - A source of radiation when the button is pressed.
4. WIRELESS PDAs and NOTEBOOK COMPUTERS - These work very much like cell phones, with the same potential effects.
5. MICROWAVE ALARM SYSTEM SENSORS - This is one area NO ONE talks about. These are common in homes and businesses. Although the power level is in the microwatt realm, one may sit exposed to it all day, every day, sometimes just a few feet away. Again, think about it in terms of exposure time vs. energy levels.
6. BLUE TOOTH WIRELESS DEVICES - Operate in the lower microwave region.
7. WIRELESS VIDEO CAMERAS - Operate in the microwave region above analog cell phones.
8. TV EXTENDERS - Used to transmit video and sound without wires from one room to another in a home. These also operate in the microwave region above analog cell phones.
9. SATELLITES - Walk outside, anywhere, and you will be bombarded with RF from satellites, both civilian and military. If you could visibly "see" these sources, you would see points of "light" from the 22,500 mile high Clarke belt of stationary satellites. This belt of satellites rise from the western horizon and arcs across the sky to the east. There will also be hundreds of moving lights in the sky from lower geosynchronous orbits. Some of these are also satellites the military uses that send signals to earth, too. Many military satellites have high-powered optical sensors, with huge telephoto lenses that watch everything from orbit. These satellites orbit about 200 miles up and contrary to public belief, can actually read a newspaper headline from orbit. The portrayal of distant fuzzy images as seen in "Patriot Games" is far from the truth. And these satellites bombard the earth with more RF radiation as they send their data to earth.
10. POLICE RADIOS - Police officers now have antennas on their microphones, also have a similar risk to that of cell phone users since the antenna is located near the head. There is also radiation from the antennas on their vehicles, too.
11. WALKIE-TALKIE TYPE RADIOS - In decades past, business radios operated in the lower VHF band. These were known as business band radios, and are still in use today. No known ill effects are known to have originated from these radios. Today's family channel radios operate in the 400Mhz UHF band, near TV channel 14.
12. DOOR OPENERS - Often used in grocery and discount stores, these open the door when you pass under a microwave motion detector. You pass directly under the unit when you enter or exit the store, receiving more microwave radiation.
13. SECURITY FOR STORES - Used in WalMart, video rental and other stores, these exit portals generate an RF field you are forced to walk through upon entering and exiting the store. The square "Be Kind Please Rewind" tag is often a tuned printed circuit behind the label, that will trigger the security system when passed through a portal at the exit. Libraries use a very similar system with thin resonating devices slipped into the spine of books. These systems operate in the lower microwave band, allowing the use of small coils (or no coils at all) because of the high frequencies employed.
14. CELL TOWERS - Last but not least, cell tower antennas which operate at power levels of about 10 watts FOR EACH ANTENNA on the tower. Some use higher wattage than that. These directional antennas divide a geographical area into cells of service.

There are many more toys, products and devices too numerous to mention here. We are immersed in a virtual SEA of RF energy, with cell towers as one of the strongest continuous sources of RF energy.

### **MORE ABOUT CELL PHONES**

When you turn your cell phone on, the cell phone company carrier you have uses a computer network connected to all the cell towers, to invisibly command your phone to change to an available frequency. This is why numerous people can talk in a given cell phone area and not hear one another. When a cell phone is on, it transmits frequently to notify the phone company it is actually on. As you walk or drive, the cell system determines signal strength and switches you connection to another tower near you. Even when you are not talking, the phone can still radiate energy. If you have it in your shirt or pants pocket or on your belt, body tissues around the antenna on the phone are being irradiated with RF energy. This is an inescapable fact.

Since this is a multi-billion dollar industry, it's very unlikely the public will be told about the health hazards of cell phones. This is about as likely as the public being properly informed about microwave oven risks. As you read on, you'll see the similarities between the two microwave based technologies.

### **COVERT ANTENNAS**

The closer to a radiating antenna you are, the higher the health risk there is. In an effort to increase channel availability for the increasing number of cell phone users, cells have to be made smaller. These are often known as microcells. In the past, cell towers typically covered a 10 mile cell. Microcells today are often less than one mile, depending on local population size. More towers are required to be assured a cell phone will get a channel when talk is pressed, or when someone answers a cell phone.

In 2002, industry officials stated that there were more than 128,000 cell towers across America. About 25% of these were hidden towers, and the remaining number of them were traditional types. [1] Keep in mind that cell tower density is directly connected to population density. There are still parts of North America where no cell towers exist, because population density makes them economically unfeasible.

There is a map showing cell tower proliferation. Although the paper is four years old, it details graphically the density and distribution of cell towers across America at that time, which has greatly increased. [2]

Antennas come in many forms, including trees, cactus, gas station signs and even replacement church steeples Below are some photos of hidden cell towers manufactured by the Larson Company:

#### *PICTURES OF COVERT ANTENNAS*

Antennas come in many forms, including trees, cactus, gas station signs and even replacement church steeples Below are nine photos of hidden cell towers manufactured by the Larson Company:

A "PINE TREE" THAT SUPPORTS 6 CELL PHONE CARRIERS  
EACH RING ON THE TREE, IS A CARRIER ANTENNA CLUSTER

ANOTHER "PINE TREE"  
(And you thought fake Christmas Trees were bad !)

CELL PHONE EQUIPMENT  
HIDDEN IN FAKE "BOULDER"

SAME "BOULDER" OPENED UP

35' TALL SAQUARO CACTUS ANTENNA  
Located in Southern CA.

GRAIN SILO

' PRAISE THE LORD AND PASS THE RADIATION ! '  
A money-making lease for a church at Redwood City, CA.

WATER TOWER ANTENNA  
(Hooterville, USA ?)

### **SUNSET PALMS**

We can't ignore Local Area Network (LAN) antennas. These are also a source of radiation, very similar to that of cell towers.

Below is a picture from Mobile Mark's website of their office LAN antenna product. This is a local area network antenna that is ceiling mounted in an office area. What's a few more milliwatts among friends ? How would you like your desk right underneath this omni-directional antenna ? Would you volunteer to sit under it all day, every day ?

VIRTUAL BRICKS FOR FIBERGLAS TOWER STRUCTURES (Beautifying your healthful RF exposure)

U.K. GASOLINE STATION SIGNS - IN AMERICA NEXT ? Antenna is inside the vertical sign with the Shell logo

### **JOLLY OLD ENGLAND IS IRRADIATED AS WELL**

In England, angry mobs of people have torn down these gas station signs (like the one shown above) they learned to have cell antennas inside. When they asked workmen installing an antenna, "what are you doing ?" the answer was "you don't want to know." There are news stories in the past, of people that loosen bolts at night and bring down such towers. In America, antenna arrays are very often hidden in plain, white tapered church steeples in suburban areas. A custom built, modernized fiberglass copy of the original wooden church steeple is lowered into place with a crane, complete with antennas already inside. Cell equipment is also hidden from public view. But the radiation is still there.

Micro-cell antennas are designed to serve a small cell area. These antennas are not 100 feet or more high like common cell towers in America, but often just 10 to 20 feet above the ground. However, these antennas also radiate microwave RF energy closer to people, too. Someone could stand or work beside such an antenna and not realize the effect it may have on them. Many are hidden in church steeple replacements, including Big-Ben-like structures, complete with working clocks on each of the four faces.

Workmen installing a near ground level antenna inside a sign (like the Shell station sign shown above) have people ask "what are you doing ?" The answer they heard was "you don't want to know." There are numerous UK news stories of people that loosen bolts and bring down such towers. In America, antenna arrays are very often hidden plain, white tapered church steeples in suburban areas. Just out of reach for the public. [3]

### **CELL PHONE RADIATION STUDIES**

In general, all of us MUST keep in mind that the human body is an electrical system. It will be, and is affected by, outside RF energy fields that can promote unwanted nerve stimulation, cancer, heating effects, and many other unwanted effects.

A comparison table for telephone effective radiation head exposure has been developed to provide reference values. [4] This value varies considerably for dozens of different cell phone models tested. DNA breakdown is among the most disturbing findings of studies done, which can lead to illness and tumors. There are now new links to brain cancer being uncovered as you read this. There is new concern over those that wear cell phones on their belts, because of the close proximity of the antenna to kidneys. The liver which can rebuild itself to some degree after being damaged, but your kidneys cannot.

One notices that RF exposure studies in the media from Europe are much more common and considerably more vocal than those done in America. Publishing negative study results in North America will have a negative effect on the billion dollar market, and subsequently affect stock in cell phone companies. Cell companies have managed to keep the lid nailed shut on the box, in so far as mainstream

media are concerned, but this can only last for so long. I personally was not convinced of the damage potential of low level RF radiation for more than 20 years. That is, until reading a number of test results, all saying very much the same thing about observed detrimental effects on living organisms.

At least one such study [5] on health effects was done in Australia. Note the usual scientific cautiousness expressed here, even though other studies have linked RF exposure to tumor growth. Its interesting to note the scientist's other comments, that thermal temperature can increase the negative effects of RF exposure:

**EXTRACT START:**

"Researchers in Australia have reported one of the first scientific hypotheses that normal mobile phone use can lead to cancer. The research group, lead by radiation expert Dr Peter French, principal scientific officer at the Centre for Immunology Research at St Vincent's Hospital in Sydney, said that mobile phone frequencies well below current safety levels could stress cells in a way that has been shown to increased susceptibility to cancer.

The paper, published in the June issue of the science journal Differentiation, says that repeated exposure to mobile phone radiation acts as a repetitive stress, leading to continuous manufacture of heat shock proteins within cells.

Heat shock proteins are always present in cells at a low level, but are manufactured in larger amounts when the cell is stressed by heat or other environmental factors. They repair other proteins that are adversely affected by the conditions, and are part of the cell's normal reaction to stress. However, if they are produced too often or for too long, they are known to initiate cancer and increase resistance to anti-cancer drugs.

No link shown - Dr. French emphasised that no link has yet seen shown between the specific biological effects of mobile phone radiation and cancer, but that there was now a theoretical framework for such an effect that could be investigated. His previous work has included showing that the production of histamine, a chemical involved in asthma, can be nearly doubled after exposure to cellular frequencies.

To date, most safety levels have been set on the assumption that damage is caused by heating effects of radio waves in human tissue, much higher than the levels at which Dr French claims heat shock proteins are triggered.

His co-authors include Professor Ron Penny, the director of the Centre and one of Australia's leading experts in the cellular effects of HIV, and Professor David McKenzie, head of applied physics at Sydney University."

*EXTRACT END*

**SO WHAT IS THE TRUTH ?**

And even though numerous studies exist that prove the negative effects of low level RF fields on the human body, still there also those that claim no negative effects exist. So which is true ? The more realistic studies are those that actually simulate human conditions, where rats in a cage were exposed to the same frequencies, power level and distance from the antenna as people are. Changes to their brain structure were observed after necropsies (animal autopsies) were performed.

This is the type of science that ALL researchers should concentrate on - duplicating human cell phone conditions. People often mistakenly still think that since they are not talking on the phone, it isn't transmitting. To prove this, all one needs to do is to call a phone from another phone, and then call it when its off. Cell systems ping the phone whenever someone calls it even if they don't answer, as well as periodically pinging it (covert tracking) even when no one is using it. Pinging commands the phone's transmitter circuits power up and respond, which subsequently generates microwave radiation. The user has no control over these operations if the phone is in standby. Many newer phones today cannot be turned off, unless the battery pack is removed. This does not disable the satellite tracking chip however.

### CONCLUSIONS AND COMMENTARY

We are being relentlessly bombarded both indoors and outdoors by many different forms of radiation. As more and more cell phones proliferate like reproducing rabbits out of control, radio bandwidth and channel limitations force companies to add more microcells. Many towers in cities will become obsolete, as these will serve too large of an area. The towers will be most likely converted to other mind control and tracking tasks we won't discuss here. Microcells are worse for humans as these directly result in more RF radiation, as a result of being located closer to people at ground level. There are no other options to keep the cell network operating, because of the limited nature of cell phone technology. Unfortunately the average person won't care, as long as their phone works when they pick it up. Increased RF exposure will inevitably lead to more illness from compromised immune systems, nervous system, brain disorders, organ problems, tumors and cancer.

This problem is very much like cancer. An interesting fact about cancer is that everyone has a different susceptibility to it. Some people can smoke their entire lives and not become ill, yet live to be 99 years old. Others cannot. Some can drink hard alcohol their entire lives and never have health problems, while others cannot. Cell phone radiation susceptibility will likely inevitably prove to be this way. The studies show that RF radiation exposure can be just as harmful as smoking. People using cell phones and wearing them daily like jewelry should keep that in mind. Pagers are harmless, because they do not emit radiation (unless it is a two-way pager.)

The problem is you don't know how susceptible your body is until its too late. Do you want to wait to find out the hard way ? Is your life and health insurance current ?

All the time we see cell phone foolishness. People often chuckle, sneer and shake their heads at those hooked on cigarettes standing outside stores, puffing away and working hard to accomplish heart attacks, strokes and cancer. These same laughing people then go into a store and place a call on their cell phone, to irradiate themselves.

You hear can easily overhear highly intellectual conversations like this one in a store, while watching people PAYING to irradiate themselves. (Doesn't this remind you of smoking ? Paying to become deathly ill ?)

#### Here's one conversation I heard:

"I'm entering the store now.....

I'm going down the aisle to where they keep 'em.....

Yup, I can see it now.....

Yes, they have one....

Going to the checkout now to stand in line.....

..... see you later. Bye."

Its hard to imagine anything more pointless. Somewhere a computer generates the "ching-ching" sound of a cash register, as this highly intellectual discussion just billed their account another dollar or more. They would actually get a better return on their money, if while driving down the road they rolled down the window and tossed the money out. Why a better return? Because it won't destroy their health ! Personally, I don't own a cell phone, have no interest in owning one, and take comfort to know that when I pick up a PAYPHONE the radiation level is ZERO.

And to add insult to injury - people are PAYING BY THE MINUTE TO GET SICK ! Imagine it ! Yet the average person doesn't seem to want to connect A to B. It's always the same old tired reply from people - "it can't happen to me, it will happen to someone else, the other guy." People need to use mirrors more often because staring back at them is "the other guy !"

Children today can't seem to live without cell phones and pagers. This is so pathetic. Many spend a large part of their part-time job income to pay their monthly cell phone bills. Or they con their parents into paying for these toys they don't need. What madness is this ? With cell phone expenses running for some people a couple thousand dollars a year, wouldn't this money be better spent on college tuition ? Or

buying gold and silver for when the economy tanks ? When I grew up, none of us had these toys. In theaters today, childrens and adults alike ignore the pre-movie requests to turn them off. So thoughtful they are of others, especially when they ring during a movie. It wouldn't do any good to tell them "what they can do with it" because you would only get a blank stare back. Ringing cell phones in restaurants and theaters are the real true form of hate speech.

If my generation has done anything to brainwash children into thinking they MUST have these toys, I apologize for that. Perhaps the Madison Ave and 5th Ave. yuppies did this to our children ? Or did they manage to just follow temptation ? We may never know. When my children were growing up, the phone/pager craze was just beginning when they were teenagers. When our son hinted at wanting a pager, I replied "FOR WHAT ?" No real answer was forthcoming. He just wanted one because others had one. We are talking about the future health of our children. It is they who must start becoming concerned about the ill effects caused by imitating others. And the effects of endless strings of cell towers that stretch to the horizon. Today's children must start taking responsibility for the future of THEIR America in every respect.

When we got into trouble as children and then claimed a friend lead us to do something wrong, many of us remember our parents asking us "if they jumped off a bridge, would you jump, too ?" So it is with cell phone use, and it began by thinking no one can live without one. Do we have wait for a major lawsuit award, where the plaintiff is sitting in a wheel chair slumped over from brain cancer proven to be caused by his cell phone to wake up ? By then it may be too late, because once you damage enough DNA it's only a matter of time. So just like cigarettes and excess alcohol consumption- perhaps the time to stop the increase in RF radiation is NOW. Right now, not tomorrow or the day after. NOW.

What will be next cell antennas - office chairs with LAN antennas inside them ? A new form of the proverbial "hot seat ?"

A different form of RF radiation is now causing some unusual effects on people. Very high frequency audible tones being heard by people all over the globe. What puts these sounds into the RF realm, is that they can be heard anywhere and are not directional. Our website is studying a number of odd scientific phenomena that few scientists (or no scientists at all) are studying. Some of these areas are not in mainstream science yet, but are real physical manifestations. Our non-profit website is unique, because we encourage public participation. For more information, please visit <<http://www.data4science.net>><http://www.data4science.net>

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## DEMENTIA AND POWER LINE & CELL EMF EXPOSURE

From Klaus Rudolph Citizens' Initiative Omega Member of the Buergerwelle Germany  
(incorporated society) Umbrella

Organization of the Citizens and Initiatives for the Protection before Electromog. 10-1-3  
Alzheimer Dis Assoc Disord. 2003 Jul-Sep;17(3):139-45.

Risk factors for Alzheimer disease: a population-based case-control study in Istanbul, Turkey.  
Harmanci H, Emre M, Gurvit H, Bilgic B, Hanagasi H, Gurol E, Sahin H, Tinaz S.

**SUMMARY:** The objective is to study risk factors for Alzheimer disease (AD) in Istanbul, Turkey. This is a population-based case-control study. We screened people over age 70 in the community for cognitive impairment. The screen positives and a proportion of screen negatives underwent neurologic examination in the second phase. Cases were 57 "probable" AD patients and controls were 127 cognitively normal individuals identified by neurologic examination. Odds ratios (OR) were calculated using multivariate logistic regression analysis.

Having a university/college degree had a protective effect on AD risk (OR = 0.10, 95% confidence interval [CI] = 0.02-0.50). Exposure to occupational electromagnetic field had an OR of 4.02 (95% CI = 1.02-15.78). Use of electricity for residential heating also showed elevated risk (OR = 2.77, 95% CI = 1.12-6.85). Our results suggest that having a higher education is protective from AD and that electromagnetic field exposure at work or at home is a significant risk factor.

<http://www.ncbi.nlm.nih.gov>

### **MOBILE PHONE TOWER REGULATION SHOULD BE OBLIGATORY, NOT VOLUNTARY**

The Australian Democrats today called for an urgent Government response to the new Dutch study that shows health effects from the radio signals from transmission towers for the next generation of mobile phone services. When the test group was exposed to 3G base station signals, they felt tingling sensations, got headaches and felt nauseous.

Democrats' Communications spokesperson Senator John Cherry and Health spokesperson Senator Lyn Allison, said no Australian research has been done on the new 3G technology. Base stations have a shorter range, meaning substantially more towers are needed to achieve the same reach as GSM technology.

Senator Allison said, "The Government relaxed emission standards to suit 3G mobiles without any scientific justification and now it seems these transmitters pose significant health risks."

Senator Allison chaired a 2001 Senate Inquiry into the effects of electromagnetic radiation and opposed the 'low impact' provisions in the Government's 1997 legislation, which left telecommunications carriers with extraordinary powers to commandeer buildings and sites for their roll-outs.

Senator Cherry called for a halt to the 3G roll-out until Government agency, ARPANSA has provided a response to the Dutch study.

"Before the roll-out gets underway, Australians need to be assured that it is safe, particularly for children and those who are involuntarily exposed to transmitters.

"While the recent ACIF Code requires a carrier to have regard to community sensitive sites for smaller installations, it does not go far enough in terms of requiring carriers to consider alternatives to minimise the radiation risk to the public," Senator Cherry added.

Last month the Democrats moved in the Senate an amendment to give the Australian Communications Authority the power to reject mobile phone towers being built near sensitive sites such as hospitals, schools and residential areas.

The Democrat amendment would give the ACA the power to reject absolutely the siting of mobile phone towers adjacent to sensitive sites without community approval.

The Democrats will be calling on the Government to support the Democrats amendment to the communications Bill no.1, when the Bill next goes through the House of Representatives and to strengthen the planning codes to take into account potential health risks.

For an interview with Senator Cherry please contact: Pam Hose on 0408 752 750

For an interview with Senator Allison please contact: Vara

Szajkowski on 0408 764 328

### **HIGH-TECH EYE ON THE KIDS**

The Sunday Tasmanian 9-28-3

If any of you get the chance to see Micheal Moore's documentary "Bowling at Colombine" please do so. It examines how a culture of fear has evolved in the USA and that capitalising on that fear is Big Business, be it selling firearms for 'protection' or voting for a corrupt president to 'protect' America from terrorism.

The below article on tracking devices for kids, is another example of a US product that uses perceived fear to sell a product. This should sell like hot cakes in America and Geoff Day hopes the same for Australia.

Geoff Day, supposed co-creator of Kid Safe System Locators gives the impression in the article that this is an Australian designed product but a search on the web quickly finds this to be an American product. See <http://www.kidsafesys.org/> and <http://www.buythecow.com/usa/family/childtracker2.html>

After reading the fear laden information on the site, such as: "It is a sad and alarming fact that child abductions have reached epidemic levels in the U.S. in the past few years." You too may want to load your kids up with tracking devices to 'protect' them. Nevermind the problem, as Leif Salford put it that these kids may end up drowning "in a sea of microwaves."

Don Maisch

Parents will soon be able to monitor their children's movements 24 hours a day with sophisticated tracking devices hidden in clothes and jewellery.

Watches, bracelets and belts fitted with Global Positioning Systems and radio devices will go on sale in Australia next month as part of a controversial scheme to reduce abductions and drownings. [How would they protect against drownings??]

The Australian designed accessories will relay information to satellites and mobile phone towers and allow parents to follow their children on the Internet.

Co-creator of Kid Safe System Locators, Geoff Day, said parents using the system would be able to log on to a secure website and locate their children through a series of maps.

He said a child wearing the GPS device would show up as a red dot on the screen. "If a child goes missing the parent can log on to a secure website and find their child by zooming in on maps," he said. "They can locate their child right down to a specific street name and an address anywhere in the world."

But Queensland Council of Liberties president Ian Dearden said the device was an invasion of provacy. "But the question is whether it is a justified invasion," he said.

Informant - Don Maisch

### **3G Mobile Signals Can Cause Nausea, Headache -Study**

<http://www.reuters.com/printerFriendlyPopup.jhtml?type=technologyNews&am p;storyID=3534786>

Informant: azul

### **HUNDREDS OF WOMEN MARCH AGAINST CELL ANTENNAS**

By Rima Mustafa Yediot Haifa 9-26-3

OSFIA, Israel -- Hundred of women demonstrated in a quiet procession the former weekend against erecting antennas. The women claim that they are the main victims of the antennas because they stay with their children at home most of the day. The demonstration is about 1 month before the local elections.

Former parliament member, Zidan Atshi, said that the reason for the procession-demonstration was the multitude of malignant diseases, and because of the fact that this year, 90 Osfia residents died of different forms of cancer. "There are people who try or tried, to erect antennas secretly. The

demonstration comes to say that we know who these people are, even if they try to hide it. Their names and houses are known, and the fate of their antennas, like the fate of their houses - is in danger". Atshi said that the women are the main victims because they stay with their children at home and exposed to radiation 24 hours, not like the men who are at work at day time.

[http://www.yedhaifa.co.il/new/News/news\\_19.gif](http://www.yedhaifa.co.il/new/News/news_19.gif)

*Informant - Iris Atzmon*

Some thoughts & correspondence regarding the **CURRENT WEATHER SITUATION -**

Our organization has been experimenting with weather modification and now offers our services to countries as an alternative to Natural Disasters such as Tropical Cyclones. Regardless of our precautions and strict protocols only a few developing countries will use our service. More to your point as of yet our research division has not yet observed any short term collateral natural disasters that could be explained or coupled with our projects. Weather Modification is here and we are proud to be at the forefront of this science <http://www.cesargroup.org>

Robert Tye (Founder) B Sc., Hon Sc. Natural Sciences and Law Lead Researcher - Tropical Weather Chief of Field Operations and Research Re: Some thoughts & correspondence regarding the current weather situation

Your comments and views are appreciated.

Thanks, just one question regarding the input from Tom Bearden:

Secretary of Defense William Cohen publicly confirmed in 1997 that "terrorists" were electromagnetically engineering our weather and changing the climate, triggering earthquakes, and initiating volcanoes into eruption.

Is it conceivable that the August 28 blackout had been caused by an EM bomb, not some "fire" in some power station?

The Russians (KGB) started serious weather engineering over North America in 1976 -- on July 4, to be exact -- their "bicentennial gift" to us. They do have a sense of macabre humor.

I'm glad to see that Tom is 'up and running'.

Regards,

Dimi Chakalov

<http://members.aon.at/chakalov>

[Http://members.aon.at/chakalov/white\\_paper.html](Http://members.aon.at/chakalov/white_paper.html)

### **CELL PHONES 'HARM BLOOD CELLS'**

BBC News 4-6-4

Mobile phone radiation may damage cells by increasing the forces they exert on each other, scientists have said. The finding could be the key to claims that mobile phones cause cancer and other health problems.

Swedish physicists looked at the effect of electromagnetic radiation on red blood cells using a mathematical theory, New Scientist reported.

Experts cautioned that the finding was theoretical and said there was no evidence of a danger to health.

There have been suggestions that mobile phones can cause brain tumours and Alzheimer's disease, but research has been inconclusive.

The conventional view has been that radio waves could only damage a cell if they were energetic enough to break chemical bonds or "cook" tissue. But radiation given off by mobile phone handsets is too weak to do this.

Bo Sernelius at Linkoping University, Sweden, looked at another possibility by modelling the properties of red blood cells.

Water molecules have poles of positive and negative charge which create forces between cells. These forces are normally extremely weak - about a billion-billionth of a newton.

Mathematical

The simplified mathematical model investigated the effect of electromagnetic radiation in the field of 850 megahertz - about the range used by mobile phones - on the blood cells.

The molecules all ended up with their poles aligned in the same direction. The forces between the cells unexpectedly jumped by about 11 orders of magnitude.

If confirmed by experiments, the results could give an explanation for tissue damage. Stronger attractive forces between cells might make them clump together or cause blood cells to contract, New Scientist said.

Katie Daniel, deputy editor of the journal Physical Chemistry Chemical Physics, said the finding was important.

"It highlights the idea that electromagnetic radiation might act on cells by affecting the attractive forces between them rather than simply causing heat damage to tissue," she said.

Camelia Gabriel, from King's College London, who is taking part in the Mobile Telecommunications and Health Research Programme funded by the Government, said the theory was feasible.

But she said the model was extremely simple and may not apply to larger numbers of cells.

"It needs to be tested experimentally," she said.

Dr Michael Clark at the National Radiological Protection Board said: "You can do anything with numbers. It is very interesting, but I can't get excited about it until somebody measures it."

Studies had not proved there was any danger to health from mobile phones, he said.

"There is no evidence of cancer or anything else. So it is so far, so good. But it is early days," said Dr Clark. © BBC MMIV <http://news.bbc.co.uk/2/hi/health/3605203.stm>

#### **MESSAGE FROM IRIS ATZMON:**

*Today, in the news about the cellular companies:* The cellular companies say there's no problem with the radiation, so what happens when there's antennas near the house of the cellular companies directors?

(Two TV crews went out to test the reactions of two cell phone executives to the placing of a cell phone mast/tower near their homes. -ed)

The first (executive) recognized the TV van...the crew was discovered. The second (executive) was driving out of his house in his car, when the TV person and the van were close to his house and he was told about placing the antenna: "Put it there" and he pointed further away.

"But we look for reception. Here it's good for reception, it's a high place. It's only an antenna, it's not supposed to disturb", said the TV crew.

"Do you know who you are talking with"? asked Partner company director, Amicam Cohen.

The TV person: "No".

"I am the director of Partner".

"Nice to meet you" said the TV person and they shook hands.

"So, do you mind if we put the antenna here?"

"Yes, and also the neighbours will resist".

Additionally, the person responsible in the government to the safety of the radiation, Dr. Stelian Galberg, was interviewed, and lied his usual lies in which he is so well practiced, he coldly said that the standard is fixed already according to the weakest parts of the population like children and old people. He also said that "If the radiation was harmful, we would see the consequence by now" (and of course according to him, we are all healthy no matter that he knows the truth. What a criminal)

A citizen that one day the companies erected a monster near his house, a huge tower with so many microwave dishes, is afraid for his family health, and was not told about the antennas. A children doctor Dr. Danny Wolf explained about the danger to children, with thinner skull. The national program for erecting antennas in Israel is the regulator in Israel, it means that the cellular companies BY LAW don't need to inform citizens about cellular antennas that are erected near their houses. It means also that if a municipality resist antennas (the city council) - the companies can sue the municipality. How well we are controlled.

More in the news - the reaction of the companies: The chose to react together the three of them as the Cellular Forum: (which has a non- profit website ending of "org".)

THE ANTENNAS STAND IN THE STRICTEST STANDARD OF THE WORLD HEALTH ORGANIZATION NOT LIKE OTHER COUNTRIES, IN ISRAEL WE DON'T PUT ANTENNAS NEAR SCHOOLS. THERE IS A NEED FOR CELLUAR ANTENNAS NETWORK BECAUSE MORE THAN 75% OF THE POPULATION IN ISRAEL HAVE AT LEAST ONE CELLULAR PHONE.

The T.V then showed pictures of antennas near schools and kindergarten and said: you judge....

---

Klaus I have recorded 5 masts that have been destroyed in the UK. Also two in Italy, one in Israel. Your readers can get the full stories on BBC News Archives for the UK one's. Just find BBC Front Page and search for Mobile Masts. Address below       *Regards Robert*

<http://newssearch.bbc.co.uk/cgi-bin/search/results.pl?scope=news&tab=news&q=mobile+masts&x=13&y=8>

[http://news.bbc.co.uk/2/hi/uk\\_news/scotland/881670.stm](http://news.bbc.co.uk/2/hi/uk_news/scotland/881670.stm)

### **CUMBRIA: ROW OVER HI-TECH PHONE MASTS** BBC NEWS England

The head teacher of a primary school near the site of a proposed mobile phone mast says the potential risk to pupils' health must be considered.

Mobile phone operator Hutchison 3G UK has applied to Barrow Borough Council to put up five masts in Furness, Cumbria, to support the new type of videophones.

One of the proposed masts in Lindal is near Marton Primary School.

The council has recommended refusal of the mast, along with two others at Furness Abbey and the Strawberry rugby union ground in Barrow.

It says all three are visually unacceptable, and other sites should be considered.

Health concerns

Health considerations cannot be used to refuse planning permission.

Head teacher David Barlow said it is time that rule was changed. He said: "We have to start looking beyond visual intrusion. "Let's start thinking about health issues. Let's start thinking about the sort of children that might be affected. "I would expect the planning committee to take that on board."

Council officials say two other masts in Dalton should be approved.

Radiation levels

The latest third generation mobile phones can send video images, but a new network of base stations is required to support them.

These masts operate at a higher frequency than those for traditional mobiles.

Many people oppose the masts because of concerns about higher levels of radiation.

A study for the Dutch government claimed the new base stations caused headaches and nausea.

Participants complained about significant levels of nausea, headaches and tingling sensations when they were exposed to signals that mimicked third generation mobile networks.

Story from BBC NEWS:

<http://news.bbc.co.uk/go/pr/fr/-/1/hi/england/cumbria/3239857.stm>

Published: 2003/11/04 11:38:53 GMT © BBC MMIII

Re: **THERMAL AND NONTHERMAL MECHANISMS OF THE BIOLOGICAL INTERACTION OF MICROWAVES**

[http://www.buergerwelle.de/body\\_emf-omega-news\\_23-10-03.html](http://www.buergerwelle.de/body_emf-omega-news_23-10-03.html)

Dear John Michael Williams:

Did you explore adequately the false fundament of ICNIRP standards?.

You use today a medieval method of misconception and disqualification while in the world you have more than "one thousand million" guinea pigs as mobile users .

1. One thousand million guinea pigs as mobile users? is not one simple hypothesis.

2. Why do you use ambiguous expressions?: perfect framework of confusion!

"Theoretical and experimental studies supporting this hypothesis are weaker than usually assumed".

We develop a simple framework of understanding of EMR that may be used to explain microwave hearing

We then extend this approach to other contexts, pointing out several fundamental misconceptions confounding the field.

Parameters of irradiation causing such effects have not been explored adequately and remain unknown.

2.1. Your confounding conclusion is?:

There appears not to be any forensic methodology to prove the cause of harm at nonthermal levels.

3. Did you explore adequately the false fundament of ICNIRP standards? Weaker basis?: False basis and "dead mass".

\* The false fundament of ICNIRP standards can have as weaker basis a "dead mass" of pure and simple sugar-salt-water heated 1 degree.

Did you extend this approach to the ICNIRP contexts, pointing out several fundamental misconceptions confounding the human health? (not a "dead mass").

3.1. Did you explore adequately the "Blood Brain Barrier alteration"? Published in the former USSR (1972) over 25 ys. ago.

(See attachment. Soviet Proof That Mobile Phones Do Cause Brain Damage)  
Omega: see also [http://www.reach.net/~scherer/wma/test/emfde/e/isfe\\_000.htm](http://www.reach.net/~scherer/wma/test/emfde/e/isfe_000.htm)

But I leaved my house 5 metres form direct microwave radiation of base station with cancer, epilepsy and microwave hearing.

I am not worried about microwave hearing near base stations.

I am worried about my cancer and epilepsy.

*Yours faithfully Miguel Muntané*

#### **WISHAW MOBILE PHONE MAST VANDALISED/GOVERNMENT HUSH UP?**

Dear All,

I have been trying to get a news report of the incident in Wishaw Sutton Coldfield, regarding the vandalisation and destruction of a large mobile phone mast. The locals have been protesting about the dangers of this mast for years, and cancer clusters and other adverse health effects from it!

It seems there is a government hush up of the whole affair with the news of the mast destruction being confined to the local area where it is situated. I have seen nothing on national news or national newspapers regarding this event!

I have tried to access stories via the internet but am being refused access to all sites that carry a story on all service providers.

For instance try yourself and see if you fair any better.

Type in [www. google](http://www.google). Then type Wishaw mast down. The Telegraph Newspaper will be on the list provided. Click on to the story about the Wishaw mast down. Let me know if the page is unavailable. Every article I have tried is unavailable regarding this incident. What is going on?  
Also try the same at [www. Yahoo.uk](http://www.Yahoo.uk) and [www. msn](http://www.msn)

You will find that the same story is unavailable. Is this news being censored and contained because the government do not want the public to know the extent of protests regarding mobile phone masts?

*Barry Fletcher.*

#### **RE: EMF/R EFFECTS ON BIRDS**

Dear colleagues,

I am interested in environmental effects of EMF. The data described by Milt Bowling are very important and interesting. Have somebody the copies of the mentioned papers and possibility to send them to Russia?

It would be very appreciated. Thank you for your care. Please contact me.

Eugenia Bichelday (Eugenia@pole.com.ru)

Omega: Dr. Bichelday is the Scientific Secretary of Prof. Yuri Grigoriev, Chairmen of RNCNIRP  
Tel./fax: +7-095-190-91-27  
POST ADDRESS: 46, Zhivopisnaya st., Moscow, 123182, Russia.  
web-site: <http://www.pole.com.ru>

Omega: please, dear friends, if you find these papers make our readers also the source known, to get them for themselves. Thank you!

### ARTICLES AND REFERENCES

Please find below various information, which might be of interest to the list:

\*\*\*An article regarding technology using electromagnetic energy (microwaves) for monitoring of "antisocial neighbours."

\*\*\*A New York Times article from 1971, about chemical stimulation or Electric Brain Stimulation to alter the behaviour of... national leaders (copy at <http://hometown.aol.com/ccapt2001/control3.html#English>). (Nowadays TMS Transcranial Magnetic Stimulation has been developed, which can be used by psychiatrists with the agreement of the Committee of Ethics to stop symptoms of obsessive compulsive behavior (which means they could start them as well).

\*\*\*And just FYI an announcement by a group of French artists of a Global Resistance exhibition against technologies of control due to take place at the end of the year or beginning of 2004 in Paris, Berlin and London (for information see [www.exotical.org](http://www.exotical.org) or [www.prism-escape.com](http://www.prism-escape.com) )

Excerpt =

1) Nightmare neighbours face 'SAS' Jun 27 2003

By Steve Swingler, Evening Mail

[http://icbirmingham.icnetwork.co.uk/0100news/0100localnews/content\\_objectid=13117009\\_method=full\\_siteid=50002\\_headline=-Nightmare-neighbours-face--SAS--name\\_page.html](http://icbirmingham.icnetwork.co.uk/0100news/0100localnews/content_objectid=13117009_method=full_siteid=50002_headline=-Nightmare-neighbours-face--SAS--name_page.html)

or

<http://tinyurl.com/ud35>

A rapid reaction force bristling with James Bond-style surveillance weapons is to go to war on neighbours from hell in Birmingham. The specially trained team of council officers will use techniques perfected by former SAS men to bring nightmare tenants and even private homeowners to heel.[...]

[...] Alison Parsons, boss of the new Anti-social Behaviour Unit, said: "Many of those ruining the lives of those around them think they are immune because their neighbours are too afraid to do anything. "Those anti-social people will be in for a shock. We will do whatever is necessary to stop the problem in the fastest way possible." Ms Parson said that the council had, on a couple of occasions in the past, used former SAS surveillance experts.[...]

[...] The hit squad will use more than £20,000 worth of miniature cameras and powerful microwave listening equipment that can gather evidence on neighbours from hell even if stake outs are some distance away. The evidence can then be used in court to get restraining orders and evictions. The team and its hi-tech equipment is essential where residents are too frightened of reprisals to gather and give evidence themselves.[...]

Best regards  
Nathalie L.

### **EXCLUSION ZONES - INTERNATIONAL REGIMES**

Would you happen to know what countries are operating exclusion zones in respect to the siting of mobile telephone masts? We are trying to get our LPA to adopt this approach and are asking for firm evidence of the International approach to the subject. Marre Dafforn felt that you might know.

Best regards.  
Geoff Williams.

### **O.T. THEMES:**

Congressman Ron Paul Admits Conspiracy to Create World Government  
<http://www.propagandamatrix.com/260903ronpaul.html>  
Informant: Gale

### **SEVEN THOUSAND WOUNDED US SOLDIERS TREATED AT ONE HOSPITAL IN GERMANY**

<http://www.veteransforcommonsense.org/newsArticle.asp?id=1272>

### **PRIVATE JESSICA SAYS PRESIDENT IS MISUSING HER 'HEROISM'**

<http://www.veteransforcommonsense.org/newsArticle.asp?id=1269>  
<http://www.veteransforcommonsense.org/newsArticle.asp?id=1270>

### **GORE: BUSH USING WAR TO IMPLEMENT "BIG BROTHER"-STYLE OF GOVERNMENT**

<http://ap.dodglobe.com/stories/20031109/1626380.shtml>

### **RUMSFELD IN RETREAT**

<http://makeashorterlink.com/?P21241E76>

### **WAR GUILT IN IRAQ**

<http://www.lewrockwell.com/rockwell/war-guilt.html>  
<http://www.antiwar.com/justin/j111003.html>

### **BRING HALLIBURTON HOME**

<http://www.thenation.com/doc.mhtml?i=20031124&s=klein>

Note: EMF-Omega News belongs to the Buergerwelle Germany (incorporated society), Umbrella Organization of the Citizens and Initiatives for the Protection before Electrosmog.

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Buergerwelle Germany (incorporated society), Umbrella Organization of the Citizens and Initiatives for the Protection before Electrosmog: 1. Chairman Siegfried Zwerenz, 2. Chairman Barbara Eidling, Mailing address: Lindenweg 10, D-95643 Tirschenreuth, phone 0049-(0)9631-795736, fax 0049-(0)9631-795734, e-mail [pr@buergerwelle.de](mailto:pr@buergerwelle.de), Internet <http://www.buergerwelle.de>, information phone: Barbara Eidling phone 0049-(0)8171-18898 Thank you.

If you have information which you would like to share with your friends and colleges around the world and which are from common interest, please send us this information, we will send them out.

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<http://groups.yahoo.com/group/EMR-EMF/>  
[http://de.groups.yahoo.com/group/omega\\_newsletter](http://de.groups.yahoo.com/group/omega_newsletter)

**WORDS OF WISDOM**

"Act as if the principle by which you act were about to be turned into a universal law of nature".  
--Immanuel Kant

"You may never know what results come from your action. But if you do nothing, there will be no results."  
--Gandhi

"The arc of history is long, but it bends towards justice." --Martin Luther King, Jr.

"Our lives begin to end the day we become silent about things that matter." --Martin Luther King, Jr.

"Your silence will not protect you." --Audre Lorde

"A time comes when silence is betrayal." --Martin Luther King

"The world shrinks or expands in proportion to one's courage." --Anais Nin

"Remaining silent about the destruction of nature is an endorsement of that destruction."  
--Redwood Mary (a.k.a. Mary Rose)

That which is looked upon by one generation as the apex of human knowledge is often considered an absurdity by the next, and that which is regarded as a superstition in one century may form the basis of science for the following one. --Paracelsus

"How could I imagine how lost in the open field I was." --Neal Lindley

"Never doubt that a small group of thoughtful, committed people can change the world. Indeed, it is the only thing that ever has." --Margaret Mead

" If one advances confidently in the direction of their dreams,  
And endeavors to lead a life which they have imagined,  
They will meet with a success unexpected in common hours."  
--Henry David Thoreau

"Thousands of candles can be lighted from a single candle, and the life of the candle will not be shortened. Happiness never decreases by being shared." -Buddha

Motivation is not a problem for anyone who accepts the extraordinary truth contained in Yeshe Aro's ancient prescription for happiness: "On this depends my liberation: to assist others - nothing else."

"Where do the wars and where do the conflicts among you come from?  
Is it not from your passions that make war within your members?  
You covet but do not possess.  
You kill and envy but you cannot obtain; you fight and wage war.  
You do not possess because you do not ask.  
You ask but do not receive, because you ask wrongly, to spend it on your passions."  
James 4: 1-3 (James is the brother of Jesus, who became a leader in the early church)  
<http://news.scotsman.com/uk.cfm?id=1113602004>

#### **MOBILE PHONE RADIATION 'HELPS CHILDREN THINK'**

THE SCOTSMAN Thu 23 Sep 2004 ANGUS HOWARTH

RADIATION from mobile phones could help children to think more clearly, it was claimed yesterday.

David Butler, chief executive of the National Confederation of Parent Teacher Associations, said he did not believe handsets posed a risk to children by heating up their brains. "From a perspective of pupil performance, it can enhance things, because that heating effect actually improves the neuron transfers between neural pathways, and therefore your thinking ability goes up," he said.

Mr Butler, whose organisation covers England, Wales and Northern Ireland, was speaking at a fringe event hosted by the mobile phone giant O2 at the Liberal Democrats' party conference in Bournemouth.

His claims fly in the face of government advice, which warns that youngsters should strictly limit their mobile phone use. Many experts fear children are particularly vulnerable to low-level radiation emission from phones and believe they should only use the handsets in emergencies.

Mr Butler said he had been told by a British professor of scientific evidence to back up his claims, but he declined to identify him or her.

He admitted the information was "anecdotal" but went on: "I personally have not seen any piece of paper that says to me there is a health risk which would give me concern."

<http://dailytelegraph.news.com.au/story/0%2C20281%2C19112507-5001028%2C00.html>

#### **UNION WANTS AUDIT OVER TUMOURS**

May 12, 2006

THE academics' union has demanded a health audit of at least 1,000 university workers and the closure of the top two floors of a building at the centre of a brain tumour scare.

Seven RMIT University staff members working in the building in central Melbourne have been diagnosed with brain tumours over the past seven years.

National Tertiary Education Union (NTEU) Victorian secretary Matthew McGowan said five of the tumours had been diagnosed in the past month alone. Of the seven tumours, two are malignant.

Concerns have been raised over a possible link between two mobile phone towers on the building's roof and staff members becoming ill.

"We want a full audit of all of the health issues in the building to see whether or not there are any other illnesses that haven't been picked up," Mr McGowan said.

"They ought to be exploring the health situation of basically anyone who has worked in that building for the last 10 years.

"I would be surprised if it's less than 1,000."

The union has called for the top two floors of the building, floors 16 and 17, to be closed.

Mr McGowan criticised the university for not closing the two floors after the union received reports today of some workers remaining on the 16th level.

"They have invited staff to go home if they wish but they haven't actually closed them," he said.

"We're very disappointed. We were led to believe that they had closed those two departments ... and that hasn't occurred."

Mr McGowan said the union was not claiming the cause of the tumours was "necessarily" the mobile phone towers.

"What we are saying is there is a coincidence here. The coincidence is strong enough that it deserves serious attention."

Meanwhile lawyer Andrew Dimsey, who is advising the union, warned that the workers suffering the tumours could bring a class action against the university but only "if it could be established that their illnesses were caused by workplace radiation exposure".

"The most likely avenues for legal redress are workers compensation claims and potentially common-law negligence claims," he said.

"However, that would really depend on the scientific evidence being in place."

A case also could be brought against Telstra which owns the phone towers it was shown the towers caused the tumours.

Dr Bruce Hocking, an occupational health medicine expert, described the incidence of seven brain tumours in the one workplace over seven years as "highly unusual".

The normal incidence of brain tumours was one per 10,000 people annually, he said.

The building should be investigated for possible causes including the air-conditioning and any dangerous material left behind from research activities.

It was an "open question" as to whether mobile phone towers could cause brain tumours, especially if they had not been installed properly, he said.

"We need to keep an open mind in this particular situation dependent on what we find about the mobile phone towers," he said.

An RMIT spokeswoman said there no workers remained on the 17th floor but some had chosen to continue working on the 16th floor.

Results for preliminary testing for electromagnetic radiation around the building conducted today by RMIT were not available.

### **BUILDING TOP FLOORS CLOSED AFTER BRAIN TUMOR ALERT**

By Lisa Macnamara The Australian - UK 5-13-6

The top floors of a Melbourne office building were closed down yesterday and 100 people evacuated after a seventh worker in as many years was diagnosed with a brain tumour.

But Telstra insisted the mobile phone towers on the roof of the 17-storey RMIT University building were not linked to the cancer cluster.

Five academics - who worked on the top floor - and two general staff have suffered brain tumours since 1999. Six of the seven staff had worked at the Bourke Street premises for more than a decade. Two of the cases were malignant.

"We have briefed the staff and suspect further cases will be brought to our attention," RMIT vice-president of resources Steve Somogyi said yesterday.

The academics' union has demanded that RMIT pay for medical examinations of all staff working in the building after learning of a number of suspected new cases late yesterday.

"We're starting to get anecdotal reports of one or two other people who have passed away who have worked in the building," said Matthew McGowan, Victorian branch president of the National Tertiary Education Union.

RMIT recently called in a Melbourne doctor to assess information from the staff diagnosed with the tumours but he found no obvious link with "any specific environmental hazard", a university statement said.

Telstra, which along with Optus reportedly has mobile phone equipment on top of the building, said yesterday it would co-operate with the university's investigation. "This equipment complies with strict health and safety standards, and is regularly tested to ensure ongoing compliance," the phone company said.

While staff were "anxious and concerned", the university was initially reluctant to close the top floors, Mr McGowan said. "They were reluctant at first because they didn't want to create a panic."

The university has started notifying students at the building, many of whom are from overseas.

However, serious concerns were not held for the students.

RMIT investigated radio frequency and air quality after the first two cases emerged in 1999 and 2001, but all the results were well below the recommended Australian standards, a university spokeswoman said.

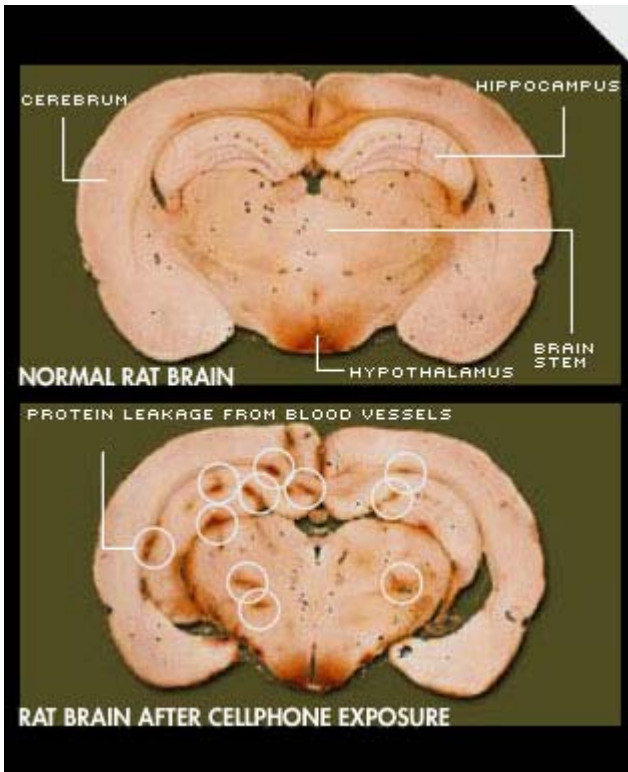
"It was thoroughly tested," she said.

Yesterday's action was prompted after a third case was reported by the institution's occupational health and safety unit a month ago, when it emerged that other academics had also fallen ill.

"We're looking at everything around the area," the spokeswoman said.

But Mr McGowan said the university must be accountable for health and safety checks "across the board" after the initial testing in 2001 was not followed up.

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**ONES TO BRAIN DAMAGE. IN RATS, ANYWAY.**  
February 2004

his time the scientific community is paying very close

University in Sweden published data showing for the  
itted by GSM mobile phones (the most common type  
nfirming by follow-up studies in the works at research  
he data could have serious implications for the one

entists and cellphone manufacturers over cellphone

ecade suggest cellphone use may cause a host of  
udies, however, have shown no such effects, and no  
v-level radiation on the brain and other organs. A  
afety is currently under way but will take at least five

Meanwhile, the research world is scrambling to replicate Salford's surprising results. His team exposed 32 rats to 2 hours of microwave radiation from GSM cellphones. Researchers attached the phones to the sides of the rats' small cages using coaxial cables -- allowing for intermittent direct exposure -- and varied the intensity of radiation in each treatment group to reflect the range of exposures a human cellphone user might experience over the same time period. Fifty days after the 2-hour exposure, the rat brains showed significant blood vessel leakage, as well as areas of shrunken, damaged neurons. The higher the radiation exposure level, the more damage was apparent. The controls, by contrast, showed little to no damage. If human brains are similarly affected, Salford says, the damage could produce measurable, long-term mental deficits.

The cellphone industry so far has been quick to dismiss the data, saying emissions from current mobiles fall well within the range of radiation levels the FCC deems safe (body-tissue absorption rates of under 1.6 watts per kilogram). "Expert reviews of studies done over the past 30 years have found no reason to believe that there are any health hazards whatsoever," says Mays Swicord, scientific director of Motorola's Electromagnetic Energy Programs. Dr. Marvin Ziskin, chair of the Institute of Electrical and Electronics Engineers' Committee on Man and Radiation, is similarly skeptical. "The levels of radiation they used seem way too low to be producing the kinds of effects they're claiming."

Salford is the first to admit that it's too early to draw any conclusions, but contends the unusual results deserve a closer look. "The cellphone is a marvelous invention; it has probably saved thousands of lives," he says. "But governments and suppliers should be supporting more autonomous research." Meanwhile, Salford advises users to invest in hands-free headsets to reduce radiation exposure to the brain.

#### CAN YOU HEAR ME NOW?

Researchers at Sweden's Lund University say these rat-brain cross-sections show first-ever evidence of brain damage from cellphone radiation. While the controls (example, top) appear healthy, the test subjects (bottom), which were exposed to a 2-hour dose of cellphone radiation of varying intensities, are heavily spotted with proteins (dark patches) leaked from surrounding blood vessels, and show signs of significant neuronal damage.

Courtesy EH

#### NEED A COOKER? USE YOUR CELL PHONE

By Sue Mueller 6-28-6

Many organizations including the cell phone industry often downplay the risk of cell phone radiation to the brain. Results from short-term studies were used to convince consumers that use of a cell phone is not associated with brain tumors or cancer, which only develop decades after exposure.

To be fair, no one knows exactly how much harm a cell phone can do to a person. How recently, new media has reported a study showing the radiation from cell phones is so full of energy they can be used to cook eggs.

In the experiment, researchers placed one egg in a porcelain cup (because it is easy to conduct heat), and put one cell phone on one side and another cell phone on the other. The researchers then called



from one cell phone to another and kept the cell phones on after connecting.

During the first 15 minutes, nothing changed. After 25 minutes, however, the egg shell started to become hot and at 40 minutes, the surface of the egg became hard and bristled. Researchers found the protein in the egg had become solid although the egg yolk was still in liquid form. After 65 minutes, the whole egg was well cooked.

The study shows how scary cell phone radiation is. People should try to avoid use of cell phones. Although so far no one has proved the radiation from cell phones can cause something clinically significant. By the same token, there has been no one who can disprove the existence of such a risk.

Children should be forbidden from cell phone use because they still grow their brains and are particularly vulnerable to radiation.

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### **HOW TWO RUSSIAN JOURNALISTS COOKED AN EGG WITH THEIR MOBILE PHONES**

RawFamily.com

Vladimir Lagovski and Andrei Moiseynko from Komsomolskaya Pravda Newspaper in Moscow decided to learn first-hand how harmful cell phones are. There is no magic in cooking with your cell phone. The secret is in the radio waves that the cell phone radiates.

The journalists created a simple microwave structure as shown in the picture. They called from one cell phone to the other and left both phones on talking mode. They placed a tape recorder next to phones to imitate sounds of speaking so the phones would stay on.

After 15 minutes: The egg became slightly warm.

25 minutes: The egg became very warm.

40 minutes: The egg became very hot.

65 minutes: The egg was cooked. (As you can see.)