

EFFECT OF CELL PHONE RADIATION ON GAURIYA SPARROWS PASSER DOMESTICUS

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A study was initiated earlier this year in London by the British trust for ornithology to investigate whether the explosion of electromagnetic waves from portable handset is wiping out sparrows in London. The British study involves 30,000 birds watches, who will examine the urban sparrow population near cell-phone masts, where electromagnetic field are most concentrated London has witnessed a steep fall in its Sparrow population a 75 percent fall since 1994, which coincides with the emergence of cellphone. Research now needs to look at the effect of base station signals particular in view of disorienting effect of EMR 'noise' reported in this study.

MATERIAL & METHOD-We sampled 100 point location within the 8 areas to examine small scale geographic variation in the number of Gauriya bird and the strength of electromagnetic radiation from cell phone base station. The long term exposure to low intensity electromagnetic radiation 900-1900 MHz down link frequency from cell phone base station on the number of Passer domesticus during the rainy , winter and summer season was studied in the Bhopal, Nagpur, Jabalpur, Gwalior, Indore, Ujjain, Chhindwara & Betul .

RESULT AND DISCUSSION-The Passer domesticus are fast disappearing from contaminated with electromagnetic waves arising out of increased number of cell phone to Bhopal, Nagpur, Jablpur, Ujjain, Gwalior, Chhindwara, Indore & Betul. Wireless telecom revolution is catching on at the expense of a tiny winged creature the Passer domesticus. The National Research Council of Canada did lots of studies on the non-thermal effects of microwave radiation on birds in the 1960s, before the wireless industry took control of the science. They found that bird feathers acted as dielectric receptors. Birds that had been plucked under anesthesia showed no reaction to radiation until the 12th day, when their feathers started to grow back. Studies also showed altered EEG patterns, escape behaviour, other signs of stress in the form of vocalization, defecation and initiation of flight. Parakeets chose an unradiated feeder over a

radiated one. Domestic fowl [Leghons] increased egg production by 13.7% under radiation. Unfortunately, the mortality rate of the radiated colony was double that of the control colony. Their exposures ranged from 0.2 u w/cm² to 360 u W/cm². Young chicks exposed to 25m w/cm² collapsed on the floor of the cage and remained in that position until the radiation was turned off. Time to collapse ranged from 5 to 20 seconds. Now, back to the birds. It seems very likely (considering the large number of antennae in close proximity in the environment now) that occasionally that two or more cellphone antennae transmission beams intersect and happen to be sending the same signal information at the same time, creating a standing wave. When birds hit this temporary standing wave microwave field, they become totally disoriented and confused and sometimes drive straight into the ground as a group. It appears their automatic natural altimeter and sense of direction is destroyed. This happened in England several years ago, and last year a similar incident occurred in Austin Texas. Several years ago a homing Pigeon racing event up in Philadelphia area had to be held during the week, because weather prevented the contest during the weekend. Almost no Pigeon made it home. Pigeons, which we know are very sensitive to electromagnetic natural signals, do not seem to fly in flocks like blackbirds and starlings, so I suppose there was a lot of general confusion.

According to Martin schram (2008), Our book contained results of studies that had showed that changes in blood cells that had been expose to cell phone radiation they developed micro-nuclei (which are also found in cancerous tumors). The book also noted a study that indicated how far inside a skull radiation can penetrate into the brain when a phone is held against the head : Just near the surface in adults, but penetration was said to increase the younger the cell phone user, so that it went quite far into the skulls of small children. According to Martin schram (2008), Carlo, who now heads the Science and Public Policy Institute and the Safe Wireless Initiative, said the week that a number of recent studies have confirmed the

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risks posed by extensive usage of cell phones. He noted that a Swedish study by Dr. Lennart Hardell and Dr. Kjell Mild showed a correlation between cell phone use and tumors on the side of the head where the phone is regularly held. And another study conducted in 12 European labs replicated findings of genetic change in cells produced by cell phone radiation which is not related to the sort of heat the pops popcorn. According to Myra Kyneur We were very interested in your account of radiofrequency radiation (RFR) effects on Cattle and Birds on the Bavarian farm. Of particular interest were the effects on the birds, as we have documented three cases of RFR effects on birds here in Sydney, Australia.

We wonder if it would be a useful exercise to survey the caged bird population within a given distance from cell phone base stations. Case 1. Fairlight NSW : Unusual behavior of flock of approx. 17 black crows that usually roosted on the roof of a high rise apartment block. After the installation of a cell phone base station (MBS) nearby resident noticed the birds became noisier and unsettled. This behavior continued for about two weeks-the birds are now no longer in this neighborhood. Case 2. Caringbah NSW : Within 200 metres of a MBS Bantam hens and roosters died unexpectedly from unknown causes, within a short time the installation of the MBS. The headaches diminished after alterations were made to the electricity power supply in the street. (Details available on request) "Interaction of electromagnetic fields and living systems with special reference to birds." During the initial stabilizing period the egg production of each colony was the same, but following the onset of radiation the egg production of the radiated colony increase to a higher level at which it remained essentially constant. In terms of the total number of eggs produced the difference amounts to an increase of 13.7% an increase that could be of economic significance in raising poultry provided other, and undesired, interaction effects do not appear. According to Dr. Tanner, J.A. (1960) from NRC of Canada "Effects of microwave radiation on Parakeets in Flight" Conclusion: The results obtained in this experiment indicates that microwave radiation has an aversive effect on birds in flight comparable to that previously observed in caged birds. This leads the way to a

possible solution of the bird hazard problem in aviation. According to Dr. Tanner, J.A. and Dr. Sierra, R. (1973) from Canada "Bird Feathers as Dialectic Receptors of Microwave Radiation." Depending on many factors the use of microwave radiation can be detrimental or beneficial to humans. One beneficial use of microwave radiation is to reduce the hazards of birds to aircraft. This forms part of an extensive program designed to shed some light on the complex nature of the interaction of microwave radiation with biological systems.

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