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Distribute to:

Legislative Committee on Education
March 26, 2014 meeting
Agenda Item # 4

Please, forgive the late documents. I was watching the meeting from my home & rushed down to the LCB as quickly as I could & did not have all documents.

Precautionary Principle (1)

Duty to Rescue (3)

Other References (5)

Please include the attached documents with my public comment on 3/26/14 ~ as well as the DVD "no wifi in schools"
* a copy is available for each member

The public must give informed consent for their children to be exposed to the wifi in schools.

They do not know about this information & believe the government would protect their children from harm.

Precautionary principle

From Wikipedia, the free encyclopedia

The **precautionary principle** or precautionary approach states that if an action or policy has a suspected risk of causing harm to the public or to the environment, in the absence of scientific consensus that the action or policy is harmful, the burden of proof that it is *not* harmful falls on those taking an action.

The principle is used by policy makers to justify discretionary decisions in situations where there is the possibility of harm from taking a particular course or making a certain decision when extensive scientific knowledge on the matter is lacking. The principle implies that there is a social responsibility to protect the public from exposure to harm, when scientific investigation has found a plausible risk. These protections can be relaxed only if further scientific findings emerge that provide sound evidence that no harm will result.

In some legal systems, as in the law of the European Union, the application of the precautionary principle has been made a statutory requirement in some areas of law.

Regarding international conduct, the first endorsement of the principle was in 1982 when the World Charter for Nature was adopted by the United Nations General Assembly, while its first international implementation was in 1987 through the Montreal Protocol. Soon after, the principle integrated with many other legally binding international treaties such as the Rio Declaration and Kyoto Protocol.

* Please read the full definition
for more info.

Duty to rescue

From Wikipedia, the free encyclopedia

A **duty to rescue** is a concept in tort law that arises in a number of cases, describing a circumstance in which a party can be held liable for failing to come to the rescue of another party in peril. In common law systems, it is rarely formalized in statutes which would bring the penalty of law down upon those who fail to rescue. This does not necessarily obviate a moral duty to rescue: though law is binding and carries government-authorized sanctions, there are also separate ethical arguments for a duty to rescue that may prevail even where law does not punish failure to rescue.

Contents

- 1 Common law
- 2 Civil law
 - 2.1 Criminal law
 - 2.1.1 France
 - 2.1.2 Germany
 - 2.1.3 Serbia
 - 2.1.4 Russia
- 3 Canadian law
- 4 Ethical justifications
- 5 Case law
- 6 See also
- 7 References

Common law

In the common law of most anglosphere countries, there is no general duty to come to the rescue of another.^[1] Generally, a person cannot be held liable for doing nothing while another person is in peril.^{[2][3]} However, such a duty may arise in two situations:

- A duty to rescue arises where a person creates a hazardous situation. If another person then falls into peril because of this hazardous situation, the creator of the hazard – who may not necessarily have been a negligent tortfeasor – has a duty to rescue the individual in peril.^[4]
- Such a duty may also arise where a "special relationship" exists. For example:
 - Emergency workers (firefighters, emergency medical technicians, etc.) do not have a general duty to rescue the public within the scope of their employment. The District of Columbia Court of Appeals ruled in *Warren v. DC* that the police have no duty to protect any citizen not in custody, and cannot be sued for their failure to protect.^[5]
 - * ■ Parents have a duty to rescue their minor children. This duty also applies to those acting *in loco parentis*, such as schools or babysitters.^[6]
 - Common carriers have a duty to rescue their patrons.^[7]
 - Employers have an obligation to rescue employees, under an implied contract theory.^[8]
 - Property owners have a duty to rescue invitees but not trespassers from all dangers on the property.
 - Spouses have a duty to rescue each other in all U.S. jurisdictions.^[9]
 - In the United States, as of 2009 ten states had laws on the books requiring that people at least notify law enforcement of and/or seek aid for strangers in peril under certain conditions:

California [10][11] Florida [10][12][13] Hawaii [10][14]

seek aid for strangers in peril under certain conditions: California,^{[10][11]} Florida,^{[10][12][13]} Hawaii,^{[10][14]} Massachusetts,^{[10][15]} Minnesota,^{[10][16]} Ohio,^{[10][17]} Rhode Island,^{[10][18]} Vermont,^{[10][19]} Washington,^{[10][20][21]} and Wisconsin.^{[10][22]} These laws are also referred to as Good Samaritan laws, despite their difference from laws of the same name that protect individuals that try to help another person.^[1] These laws are rarely applied, and are generally ignored by citizens and lawmakers.^[1]

Where a duty to rescue arises, the rescuer must generally act with reasonable care, and can be held liable for injuries caused by a reckless rescue attempt. However, many states have limited or removed liability from rescuers in such circumstances, particularly where the rescuer is an emergency worker. Furthermore, the rescuer need not endanger himself in conducting the rescue.

** Please see full definition*

Other References

References – Cancer, Neurological and Immune Dysfunction

1) International Agency for Research on Cancer, 2011. IARC CLASSIFIES RADIOFREQUENCY ELECTROMAGNETIC FIELDS AS POSSIBLY CARCINOGENIC TO HUMANS. Press Release No. 208, May 31, 2011.

2) Baan et al. June 22, 2011. The Lancet Oncology. published on-line at DOI:10.1016/S147-2045(11)70140-4

3) Glazer ZR. 1971. Bibliography of reported biological phenomena (effects) and clinical manifestations. Research attributed to microwave and radiofrequency radiation. Naval Medical Research Institute. Research Report Project MF12.524.015-00043, Report No. 2. Naval Medical Research Institute National Naval Medical Center, Bethesda, Maryland 20014, U.S.A. 4 October 1971 Second Printing, with Revisions, Corrections, and Additions: 20 April 1972 (Supersede3 AD No. 734391)

4) Raines JK. 1981. Electromagnetic field interactions with the human body: Observed effects and theories National Aeronautics and Space Administration Goddard Space Flight Center Greenbelt, Maryland 20771. . NASA Purchase Order No 5-751515B. NASA CR 166661 April 1981.

5) BioInitiative Working Group. Cindy Sage and David O. Carpenter, Editors. BioInitiative Report: A Rationale for a Biologically-based Public Exposure Standard for Electromagnetic Fields (ELF and RF) at www.bioinitiative.org. August 31, 2007.

6) Pathophysiology 16: Special Edition on EMF. 2009.

DNA Damage - Genotoxicity

7) Markova E Malmgren LOG Belyaev IY. Microwaves from mobile phones inhibit 53BP1 focus formation in human stem cells stronger than in differentiated cells: Possible mechanistic link to cancer risk. Environmental Health Perspectives On-line 22 October 2009 doi:10.1289/ehp.0900781

8) Lai H and Singh NP 1995. Acute low intensity microwave exposure increases DNA single-strand breaks in rat brain cells. Bioelectromagnetics 16:207-210.

9) Lai H and Singh NP 1996. Single-and double-strand DNA breaks in rat brain cells after acute exposure to radiofrequency electromagnetic radiation. International Journal of Radiation Biology 69:513-521.

10) Lai H. (2007). Section 6. Evidence for Genotoxic Effects. In Cindy Sage and David O. Carpenter (Eds.). BioInitiative Report: A rationale for a biologically-based public exposure standard for electromagnetic fields (ELF and RF). BioInitiative Working Group.

11) Phillips. J., Singh. N.P., & Lai. H. (2009). Electromagnetic fields and DNA damage. Pathophysiology. 16, (2,3) 79-88.

12) REFLEX. Final report. Risk evaluation of potential environmental hazards from low frequency electromagnetic field exposure using sensitive in vitro methods. 31 May 2004. Key Action 4 "Environment and Health". Quality of Life and Management of Living Resources. European Union

13) Ruediger. H. (2009). Genotoxic effects of radiofrequency electromagnetic fields. Pathophysiology 16, (2,3) 89-102.

14) Nylund R, Leszczynski D. Mobile phone radiation causes changes in gene and protein expression in human endothelial cell lines and the response seems to be genome- and proteome-dependent. Proteomics 2006; 6 (17): 4769-80.

15) Mashevich M, Folkman D, Kesar A. et al. Exposure of human peripheral blood lymphocytes to electromagnetic fields associated with cellular phones leads to chromosomal instability. Bioelectromagnetics 2003; 24 (2): 82-90.

16) Garaj-Vrhovac V Horvat D Koren Z. 1990. The effect of microwave radiation on the cell genome. Mutation Research 243:87-93.

17) Garaj-Vrhovac V Horvat D Koren Z. 1991. The relationship between colony forming ability, chromosome aberrations and incidence of micronuclei in V70 chinese hamster cells exposed to microwave radiation. Mutation Research 263:143-149.

18) Phillips J Ivaschuk Ishida-Jones T Jones R Campbell-Beachler M and Haggren W 1998. DNA damage in Molt-4 T-lymphoblastoid cells exposed to cellular telephone radiofrequency fields in vitro. Bioelectrochemistry and Bioenergetics 45: 103-110.

Cancer

19) Szmigielsky S Sobiechowska E Kubacki R. Carcinogenic potency of microwave radiation: overview of the problem and results of epidemiological studies on Polish military personnel. Eur J Oncol 2001; 6 (2): 193-9.

20) Szmigielsky S. Cancer morbidity in subjects occupationally exposed to high frequency (radiofrequency and microwave) electromagnetic radiation. Sci Total Environ 1996; 180: 9-17.

21) Richter ED, Berman T, Levy O. et al. Brain cancer with induction periods of less than 10 years in young military radar workers. Arch Env Health 2002; 57(4): 270-2.

22) Goldsmith JR. Epidemiologic Evidence Relevant to Radar (Microwave) Effects. Env Health Perspectives 1997; 105: Suppl 6: 1579-87.

23) Goldsmith JR. Epidemiologic evidence of radiofrequency radiation (microwave) effects on health in military, broadcasting and occupational studies. Int J Occup Environ Health 1995 1 (1): 47-57.

24) Stein Y Levy-Nativ O Richter ED. A sentinel case series of cancer patients with occupational exposures to electromagnetic non-ionizing radiation and other agents. *Eur. J. Oncol.* vol. 16, n. 1, pp. 21-54, 2011.

25) Dolk, H et al, 1997. Cancer incidence near radio and television transmitters in Great Britain. *American Journal of Epidemiology* 145(1): 1-9.

26) Hocking, B et al. 1996. Cancer incidence and mortality and proximity to TV towers *Medical Journal of Australia* 165(11-12): 601-605.

27) Hocking, B et al. 2000. Decreased survival for childhood leukemia in proximity to TV towers. Poster presented at the Annual Scientific Meeting of the Royal Australian College of Physicians in Adelaide, SA, Australia, May 2000.

28) Guy AW Chou CK Kunz LL Crowley J Krupp J. 1985. Effects of long-term low-level radiofrequency radiation exposure on rats. US Air Force School of Aerospace Medicine Brooks Air Force Base, Texas TR-85-64 Final Report August 1985. Approved for public release; distribution is unlimited.

29) Chou CK Guy AW Kunz LL Johnson RB Crowley JJ and Krupp JH. 1992. Long-term low-level microwave radiation of rats. *Bioelectromagnetics* 13: 469-496.

30) Repacholi MH Basten A Gebiski V Noonan D Finnie J and Harris AW. 1997. Lymphomas in Ep-Pim 1 transgenic mice exposed to pulsed 900 MHz electromagnetic fields. *Radiation Research* 147: 631-640.

31) Sage Associates, 2004. An Overview of Low-Intensity Radiofrequency/Microwave Radiation Studies Relevant to Wireless Communications and Data. *Bioelectromagnetics Society Annual Meeting*. Washington DC, June 2004.

Fertility

33) Agarwal A, Desai NR, Makker K, et al. (2009) Effects of radiofrequency electromagnetic waves (RF-EMW) from cellular phones on human ejaculated semen: an in vitro pilot study. *Fertility and Sterility* 92(4):1318-25.

34) Agarwal A, Singh A, Hamada A, Kesari K (2011) Cell phones and male infertility: a review of recent innovations in technology and consequences. *Brazilian Journal of Urology* 37(4):432-54.

35) Aitken RJ, Bennetts LE, Sawyer D, Wiklundt AM, King BV (2005) Impact of radio frequency electromagnetic radiation on DNA integrity in the male germline. *International Journal of Andrology* 28(3):179-179.

36) Avendaño C, Mata A, Sanchez Sarmiento CA, Doucel GF (2011) Use of laptop computers connected to internet through Wi-Fi decreases human sperm motility and increases sperm DNA fragmentation. *Fertility and Sterility* [Epub ahead of print]

37) Balmori A (2009) Electromagnetic pollution from phone masts. Effects on wildlife. *Pathophysiology* 16(2-3):191-9.

38) Behari J, Kesari KK (2006) Effects of microwave radiations on reproductive system of male rats. *Embryo Talk* 1 (Suppl.1):81-5.

39) Belyaev IY, Grigoriev YG (2007) Problems in assessment of risks from exposures to microwaves of mobile communication. *Radiatsionnaya biologiya, radioecologiya / Rossiiskaya akademiya nauk* 47(6):727-32.

40) Blauk M, Gooduan R (2011) DNA is a fractal antenna in electromagnetic fields. *International Journal of Radiation Biology* 87(4):409-15.

41) De Iuliis GN, Newey RJ, King BV, Aitken RJ (2009) Mobile phone radiation induces reactive oxygen species production and DNA damage in human spermatozoa in vitro. *PLoS One* 4(7):e6446.

42) Desai NR, Kesari KK, Agarwal A (2009) Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system. *Reproductive Biology and Endocrinology* 7:114.

43) Eroglu O, Oztas E, Yildirim I, Kir T, Aydur E, Komesli G, Irkilata HC, Imak MK, Peker AF, Eroglu O, Oztas E, Yildirim I, et al. (2006) Effects of electromagnetic radiation from a cellular phone on human sperm motility: an in vitro study. *Archives of Medical Research* 37(7):840-3.

44) Falzone N, Huyser C, Franken DR, Leszczynski D (2010) Mobile phone radiation does not induce pro-apoptosis effects in human spermatozoa. *Radiation Research* 174(2):169-76.

45) Falzone N, Huyser C, Becker P, Leszczynski D, Franken DR (2010) The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa. *International Journal of Andrology* 33:1-7. ALSO IN [from PubMed]: Falzone N, Huyser C, Becker P, Leszczynski D, Franken DR (2011) The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa. *International Journal of Andrology* 34(1):20-6.

46) Fejes I, Závaczki Z, Szöllosi J, Koloszar S, Kovacs L, Pál A (2004) Relationship between regular cell phone use and human semen quality. Abstracts of the 20th Annual Meeting of the ESHRE, Berlin, Germany, 27-30 June 2004. Also [From PubMed]: Fejes I, Závaczki Z, Szöllosi J, et al. (2005) Is there a relationship between cell phone use and semen quality? *Archives of Andrology* 51(5):385-93.

- 47) Fragopoulou A, Grigoriev Y, Johansson O, et al. (2010) Scientific Panel on Electromagnetic Field Health Risks: Consensus points, recommendations, and rationales. *Reviews on Environmental Health* 25(4):307-17.
- 48) Giergert R, Grtindker C, Emons G, Hanf V (2008) Electromagnetic fields alter the expression of estrogen receptor cofactors in breast cancer cells. *Bioelectromagnetics* 29(3):169-76.
- 49) Grigoriev YG, Grigoriev OA, Ivanov AA, et al. (2010) Confirmation studies of Soviet research on immunological effects of microwaves: Russian immunology results. *Bioelectromagnetics* 31(8):589-602.
- 50) Gul A, Celebi H, Ugras S (2009) The effects of microwave emitted by cellular phones on ovarian follicles in rats. *Archives of Gynecology and Obstetrics* 280(5):729-33.
- 51) Gutsche T, Mohamed Al-Ali B, Shamoun R, Pummer K, Trummer H (2011) Impact of cell phone use on men's semen parameters. *Andrologia* 43(5):312-6.
- 52) Hardell L, Carlberg M, Ohlson CG, Westberg H, Eriksson M, Hansson Mild K (2007) Use of cellular and cordless telephones and risk of testicular cancer. *International Journal of Andrology* 30(2):115-22.
- 53) Kesari KK, Kumar S, Behari J (2011) Effects of radiofrequency electromagnetic wave exposure from cellular phones on the reproductive pattern in male Wistar rats. *Applied Biochemistry and Biotechnology* 164(4):546-59.
- 54) Kilgallon SJ, Simmons LW (2005) Image content influences men's semen quality. *Biology Letters* 1(3):253-5.
- 55) Kim YW, Kim HS, Lee JS, et al. (2009) Effects of 60 Hz 14 microT magnetic field on the apoptosis of testicular germ cell in mice. *Bioelectromagnetics* 30(1):66-72.
- 56) Lee JW, Kim KS, Lee SM, Eom SJ, Troitsky RV (2002) A novel design of thermal anomaly for mammary gland tumor phantom for microwave radiometer. *IEEE Transactions on Bio-medical Engineering* 49(7):694-9.
- 57) Magras IN, Xenos TD (1997) RF radiation-induced changes in the prenatal development of mice. *Bioelectromagnetics* 18(6):455-61.
- 58), 59) 60) Lee GM, Neutra RR, Hristova L, Yost M, Hiett RA (2002) A nested case-control study of residential and personal magnetic field measures and miscarriages. *Epidemiology* 13(1):21-31. Erratum in *Epidemiology* 2003 14(2):255. Comment in 59) *Epidemiology*. 2002 Jan;13(1):1-4. 60) *Epidemiology*. 2002 Mar;13(2):237-8.
- 61) *Epidemiology*. 2002 May;13(3):372.
- 62) Makker K, Varghese A, Desai NR, Mouradi R, Agarwal A (2009) Cell phones: modern man's nemesis? *Reproductive Biomedicine Online* 18(1):148-57.
- 63) Otitololu AA, Obe IA, Adewale OA, Oribajo OA, Osumakalu VO (2010) Preliminary study on the induction of sperm head abnormalities in mice, *Mus musculus*, exposed to radiofrequency radiations from global system for mobile communication base stations. *Bulletin of Environmental Contamination and Toxicology* 84(1):51-4.
- 64) Panagopoulos DJ, Margaritis JH (2008) Mobile telephony radiation effects on living organisms. In: Harper AC, Bures RV, eds. *Mobile Telephones*. Nova Science Publishers, Inc: 107-19.
- 65) Sage C, Johansson O, Sage SA (2007) Personal digital assistant (PDA) cell phone units produce elevated extremely-low frequency electromagnetic field emissions. *Bioelectromagnetics* 28(5):386-92.
- 66) Salama N, Kishimoto T, Kanayama HO (2010) Effects of exposure to a mobile phone on testicular function and structure in adult rabbit. *International Journal of Andrology* 33(1):88-94. Comment in: *International Journal of Andrology* 33(1):95; author reply 96-7.
- 67) Sheynkin Y, Jung M, Yoo P, Schulsinger D, Komaroff E (2005) Increase in scrotal temperature in laptop computer users. *Human Reproduction* 20(2):452-5.
- 68) Sommer AM, Grote K, Reinhardt T, Streckert J, Hansen V, Lerchl A (2009) Effects of radiofrequency electromagnetic fields (UMTS) on reproduction and development of mice: a multi-generation study. *Radiation Research* 171(1):89-95.
- 69) Wdowiak A, Wdowiak L, Wiktor H (2007) Evaluation of the effect of using mobile phones on male fertility. *Annals of agricultural and environmental medicine: AAEM* 14(1):169-72.
- 70) Yan JG, Agresti M, Bruce T, Yan YH, Granlund A, Matton HS (2007) Effects of cellular phone emissions on sperm motility in rats. *Fertility and Sterility* 88(4):957-64.

Brain Cancer, Acoustic Neuroma –Melanoma_____

- 71) INTERPHONE Study Group. World Health Organization. Brain tumor risk in relation to mobile telephone use: results of the INTERPHONE international case-control study. May 2010. *International Journal of Epidemiology*. 1-20.doi:10.1093/ije/dyq079
- 72) INTERPHONE Study Group. Acoustic neuroma risk in relation to mobile telephone use: Results of the INTERPHONE international case-control study. doi:10.1016/j.canep.2011.05.012. Available online 23 August 2011. <http://www.sciencedirect.com/science/article/pii/S1877782111000944>

73) Hardell, L., Carlberg, M., Soderqvist, F., & Hansson Mild, K. (2008). Meta-analysis of long-term mobile phone use and the association with brain tumours. *International Journal of Oncology*, 32, 1097-1103.

74) Hardell, L., Carlberg, M., & Hansson Mild, K. (2009). Epidemiological evidence for an association between use of wireless phones and tumor diseases. *Pathophysiology*, 16, (2,3) 113-122.

75) Hardell, L., & Sage, C. (2008). Biological effect from electromagnetic field exposure and public exposure standards. *Biomedicine & Pharmacotherapy*, :62, 104-109.

76) Myung SK Ju W McDonnell DD Lee YJ Kazinets G Cheng CT Moskowitz JM (2008). Mobile Phone Use and Risk of Tumors: A Meta-Analysis. *J Clin Oncol* 27. © 2009 by American Society of Clinical Oncology. doi/10.1200/JCO.2008.21.6366

77) Kan, P., Simonsen, S.H., Lyon, J.L., & Kestle, J.R. (2008). Cellular phone use and brain tumor: a meta-analysis. *Journal of Neurooncology*, 86, 71-78.

78) Hardell L, Carlberg M Hansson Mild K Eriksson M (2011) Case-control study on the use of mobile and cordless phones and the risk for malignant melanoma in the head and neck region. *Pathophysiology* Vol. 18, (4) 325-333.

79) Hallberg O Johansson O (2011) Increasing rates of head melanoma in Nordic countries. *Pathophysiology* Vol. 18 (4) 313-315.

80) Sage, C (2010). Tragedy of the commons revisited: the new wireless commons. *Reviews on Environmental Health* Vol 25 (4) 319-325. Walter de Gruyter, Berlin, New York.

81) Fragopoulou, A., Grigoriev, Y., Johansson, O., Margaritis, L.I., Morgan, L., Richter, E., Sage, C. 2010. Scientific Panel on Electromagnetic Field Health Risks: Consensus Points, Recommendations, and Rationales. Scientific Meeting: Seletun, Norway, November 17-21, 2009. *Reviews on Environmental Health* Vol 25, No. 4, 2010.

Children more sensitive _____

82) WHO. (2002). *Children's health and environment: A review of evidence. A joint report from the European Environment Agency and World Health Organization.*
<http://www.who.int/peh-emf>

83) Gee, D. (2009). *Late Lessons from Early Warnings: Toward realism and precaution with EMF.* *Pathophysiology*, 16 (2,3), 217-231.

Need for New Biologically-based Public Exposure Standards _____

84) Hardell, L., & Sage, C. (2008). Biological effect from electromagnetic field exposure and public exposure standards. *Biomedicine & Pharmacotherapy*, :62, 104-109.

85) Sage C, Carpenter DO (2009). Public Health Implications of Wireless Technologies. *Pathophysiology* 16 (2009) 233 - 246

86) Carpenter DO Sage CL. 2008. Setting Prudent Public Health Policy for Electromagnetic Field Exposures. *Reviews on Environmental Health* 23(2) 91-117.

**US Department of Justice Americans with Disabilities
(ADA Testimony January 2011 by Cindy Sage, MA,
Sage Associates)**

References

ANSI/IEEE standards adopted in 1992 (C95.1-1992) and 1999 revisions June 2001
SC-4 Committee Minutes

BioInitiative Working Group. Cindy Sage and David O. Carpenter, Editors.
BioInitiative Report: A Rationale for a Biologically-based Public Exposure Standard
for Electromagnetic Fields (ELF and RF) at www.bioinitiative.org. August 31, 2007.

Christ A Gosselin MC Christopoulou M Küllü S Kuster N. Age dependent
tissue-specific exposure of cell phone users. *Physics in Medicine and Biology*.
Volume 55, Issue 7, pp. 1767–1783, 7 April 2010. online March 5

EPRI, 2010. A Perspective on Radio-Frequency Exposure Associated With
Residential Automatic Meter Reading Technology, Electric Power Research Institute,
Palo Alto, CA.

Federal Communications Commission, 1997. FCC Bulletin OET 65 97-01 Guidelines
Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency
Electromagnetic Fields.

Hondou T Ueda T Sakai Y Tanigawa N Suzuki T Kobayashi T Ikeda K. Passive
Exposure to Mobile Phones: Enhancement of Intensity by Reflection, *Journal of the
Physical Society of Japan* Vol. 75, No. 8, August, 2006, 084801 (2006) The Physical
Society of Japan

Hondou T. Rising Level of Public Exposure to Mobile Phones: Accumulation through
Additivity and Reflectivity. *Journal of the Physical Society of Japan*, Vol. 71, No. 2,
February, 2002, pp. 432–435 (2002) The Physical Society of Japan.

The Institute of Electrical and Electronic Engineers, Inc. 1999. IEEE Standards
Coordinating Committee 28. IEEE Standard for Safety Levels with Respect to Human
Exposure to Radio Frequency Electromagnetic Fields 3 kHz to 300 GHz. December,
1998.

Khurana VG Hardell L Everaert J Bortkiewicz A Carlberg M Ahonen M, 2010.
Epidemiological Evidence for a Health Risk from Mobile Phone Base Stations. *Int
Journal of Occupational Environmental Health* 2010;16:263–267

Kundi M Hutter HP Mobile phone base stations—Effects on wellbeing and health.
Pathophysiology 16 (2009) 123–135

Markova E Malmgren LOG Belyaev IY. Microwaves from mobile phones inhibit
53PB1 focus formation in human stem cells stronger than in differentiated cells:
Possible mechanistic link to cancer risk. *Environmental Health Perspectives On-line*
22 October 2009 doi:10.1289/ehp.0900781

National Council on Radiation Protection and Measurements (NCRP) in "Biological
Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP
Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3. Copyright NCRP, 1986.
Bethesda, Maryland 20814

National Toxicology Program Fact Sheet. (2009). *Cell Phone Radiofrequency
Radiation Studies*, (September 2009).

Sage Associates, Assessment of Radiofrequency Microwave Radiation Emissions
from Smart Meters, January 1, 2011.

Vermeeren G Gosselin MC Gosselin Kuhn S Kellerman V Hadjem A Gati A Joseph
W Wiart J Meyer F Kuster N Martens L. The influence of the reflective environment
on the absorption of a human male exposed to representative base station antennas
from 300 MHz to 5 GHz, *Phys. Med. Biol.* 55 (2010) 5541–5555

Wiart, J., Hadjem, A., Wong, M.F., & Bloch, I. (2008). Analysis of RF exposure in
the head tissues of children and adults. *Physical Medicine & Biology*, 53, 3681–3695.

A CD containing the following documents was provided by April Tatro-Medlin, Clark County resident, regarding electromagnetic field (EMF) and radio frequency exposure:

- A report titled, *BioInitiative 2012 – A Rationale for Biologically-based Exposure Standards for Low-Intensity Electromagnetic Radiation*, by Cindy Sage, D.O., Owner and Environmental Consultant, Sage EMF Design, and David O. Carpenter, M.D., Professor, Department of Environmental Health Sciences, and Director, Institute for Health and the Environment, University at Albany, School of Public Health, dated December 31, 2012. This report expounds the standards, causes, and effects of exposure to electromagnetic radiation.
- A letter addressed to Chairman and Trustees, Kawartha Pine Ridge District School Board Education Centre, from Stephen T. Sinatra, M.D., Cardiologist, and Founder, New England Heart Center, dated April 15, 2011. In this letter, Dr. Sinatra explains why it is unwise to install wireless technology in schools.
- A letter addressed to the Los Angeles Unified School District Board members and their staff, from Olle Johansson, Ph.D., Associate Professor, Department of Neuroscience, and Director, Experimental Dermatology Unit, Karolinska Institutet, Stockholm, Sweden, dated February 8, 2013. In this letter, Dr. Johansson encourages the adoption of guidelines for public and occupational EMF frequency exposure based upon the precautionary principle.
- A document titled, “American Academy of Environmental Medicine Recommendations Regarding Electromagnetic and Radiofrequency Exposure,” by Amy L. Dean, D.O., Founder, EcoLogical Internal Medicine, and President, American Academy of Environmental Medicine, and William J. Rea, M.D., President, American Environmental Health Foundation, and Vice President, American Board of Environmental Medicine, dated July 12, 2012. This document gives recommendations on the removal of “smart meters” from the homes of patients with certain conditions and disabilities to protect their health.
- A letter addressed to the Public Utilities Commission of the State of California, from Members of the Board, American Academy of Environmental Medicine, dated January 19, 2012. This letter expresses the Board’s opposition to the installation of wireless “smart meters” in homes and schools.
- An article titled, “The Digital Generation At Risk – science and safer-tech solutions,” by Kerry Crofton, Ph.D., Member, International Electromagnetic Field Alliance. This document provides concise information on the causes and effects of EMF frequency exposure.

- A letter addressed to the Los Angeles Unified School District, Board of Education, from Martin Blank, Ph.D., Associate Professor, Department of Physiology and Cellular Biophysics, Columbia University, College of Physicians and Surgeons. In this letter, Dr. Blank expresses his support of limiting the construction of cell towers in the vicinity of schools.
- An open letter to parents, teachers, and school boards, from Magda Havas, Ph.D., Associate Professor, Environmental and Resource Studies, Trent University, Peterborough, Canada, dated May 5, 2009. This letter provides information on microwave radiation guidelines, electro-hypersensitivity, the removal of wireless routers, advisories to limit cell phone use, and the precautionary principle.
- A document titled, “Electromagnetic and Radiofrequency Fields Effect on Human Health,” by Amy L. Dean, D.O., Founder, EcoLogical Internal Medicine, and President, American Academy of Environmental Medicine; William J. Rea, M.D., President, American Environmental Health Foundation, and Vice President, American Board of Environmental Medicine; Cyril W. Smith, Ph.D., Retired Professor, Department of Electronic and Electrical Engineering, Salford University, Salford, England; and Alvis L. Barrier, M.D., ENT-Otolaryngologist, Memorial Hospital of Sweetwater County, Columbia, Missouri. This document expounds the adverse effects of EMF and radio frequency exposure.
- A bulletin titled, *The health effects of electrical pollution*, by the National Foundation for Alternative Medicine. This bulletin includes information on the dangers of modern electrical environments, as well as testimonials of people who have been negatively affected by electrical pollution.
- A research report titled, *Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation*, by Zorach R. Glaser, Ph.D., Naval Medical Research Institute, National Naval Medical Center, dated October 4, 1971. This report provides references on the biological responses to radio frequency and microwave radiation and an outline of the effects attributed to radio frequency and microwave radiation.
- A report titled, *Safe Schools 2012 – Medical and Scientific Experts Call for Safe Technologies in Schools*, by WiFiinschools.org.uk, dated June 2012. This report serves to inform schools, parents, governing bodies, and the public about the professional, medical, and scientific concerns regarding the use of wireless technologies by children in schools.

- A paper titled, “Public health implications of wireless technologies,” by Cindy Sage, D.O., Owner and Environmental Consultant, Sage EMF Design, and David O. Carpenter, M.D., Professor, Department of Environmental Health Sciences, and Director, Institute for Health and the Environment, University at Albany, School of Public Health, published in *Pathophysiology* in 2009. This paper explains in detail the health repercussions to be expected with the development of rapidly expanding wireless technologies.
- A “Wi-Fi Non-Consent Form” by Citizens for Safe Technology Society. This form serves as a parent-school contract, requiring that a school keep any child specified on the form in an environment free of non-thermal, non-ionizing radiation emitted by wireless devices.
- A report titled, *Wireless technologies and young people – A resource for schools*, by WiFiinschools.org.uk, dated October 2011. This report contains information on cell phone guidance for youth, the safety of cell phone communication technologies, best practices in educational settings, and research studies on wireless technologies.
- A document titled, “Worldwide Cell Phone Safety Recommendations and Policies,” by the Environmental Health Trust in collaboration with the California Brain Tumor Association and Consumers 4 Safe Cell Phones, dated October 2011. This document lists laws, rules, and advisories passed regarding cell phone use worldwide.

The CD is available in the Research Division Library upon request, please indicate the CD is part of the March 26, 2014, Legislative Committee on Education meeting.