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FCC Mail Room

*Johns Hopkins
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September 3, 2013

Office of the Secretary
Federal Communications Commission
445 12th St. SW.
Washington DC 20554

Re: Comments on Notice of Inquiry, ET Docket No. 13-84

I am a physician with advanced training at Johns Hopkins and Harvard. I have been practicing medicine for forty-six years, specializing in occupational medicine and care of patients with chemical injury and electromagnetic injury.

I do extensive scientific documentation of exposures that were present at the onset of the illness as well as complete physical examination, neurologic examination and neurophysiologic testing according to methods recommended by U.S. government agencies for documentation of occupational and environmentally induced neurologic damage. I also follow patients to care for them and try to improve their illness, evaluating factors that improve or exacerbate their illness.

I have had multiple patients develop new onset debilitating, long standing/permanent neurologic damage as a result of exposure to "smart meters." The meters were typically installed without the person's knowledge or consent.

I have had patients develop permanent neurologic damage from location of cell towers too close to their home but within current, inadequate federal regulations.

I have had many dozens of patients suffer repeated, disabling exacerbation by being in environments with Wi-Fi: these patients are able to tolerate similar environments using cable.

I have had many patients suffer neurologic and other exacerbation with currently accepted guidelines on use of cellular phones and other similar devices, such as handheld computer-like devices and other EMF/RF emitting devices.

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The current regulations in the United States are ill-informed regarding the physiologic changes that occur with the above exposures and other EMF/RF exposure. EMF/RF emitting devices are being rapidly introduced into all environments including classrooms. Cell phones as now used without warning emit EMF/RF close to the brain. These and other EMF/RF devices accelerate brain and neurotransmitter changes in the American population.

Epidemiologic studies show that exposures such as cell phone use with current devices cause electro physiologic changes in the brain even in healthy people: this has been demonstrated in multiple well controlled epidemiologic studies.

There is extensive scientific documentation of neurologic changes for other EMF/RF emitting technology.

We are creating accelerated neurodegenerative changes in the brains of the U.S. population, which contributes to the development and exacerbation of Alzheimer's, Parkinson's disease and other neurodegenerative diseases. It also is a significant factor in learning disabilities for all ages. The widespread use of this equipment in classrooms creates magnitudes and durations of exposures that affect the vital neurologic function necessary for learning and retention of information, thus affecting our future work force.

Just as our nation had to undergo inconvenience re-examining positions regarding the safety of asbestos, interior lead based paint and other hazards, it is now critical that we do not jeopardize the health and brains of our citizens because of guidelines which have been comfortable for the electronic device industry and other corporate interests but harmful to the American people. This issue must be faced with scientific honesty and integrity so that we do not jeopardize the health, productivity, and medical costs of this nation.

I have attached my curriculum vita for your convenience and I am willing to be contacted for questions and clarification.

Sincerely,



Grace Ziem, M.D., MPH, Dr.PH

CURRICULUM VITAE
GRACE ZIEM, M.D., MPH*, MS, Dr. P.H.****
www.chemicalinjury.net

* Johns Hopkins

** Harvard

EXPERIENCE: Teaching/Technical

- 1987-Present Clinical Assistant Professor, Department of Epidemiology and Public Health, University of Maryland School of Medicine, teaching occupational medicine to medical students.
- 1996-Present Member of Editorial Board of the International Journal of Occupational Medicine and Toxicology.
- 1996-1999 Co-investigator, Johns Hopkins Multicenter Study of MCS Immunology.
- October 3, 2003 Invited Presentation: Endocrine Changes in Patients with Chronic Illness Following Chemical Overexposure, Chemical Injury Conference, Fairfax, Virginia.
- August 13-15, 2001 Invited speaker for a conference sponsored by the National Institute of the Environmental Health Sciences. Topic: "Medical Evaluation and Treatment of Patients with Chemical Injury and Sensitivity".
- November 10, 1998 Invited speaker to American College of Toxicology Annual Meeting, Orlando, FL. Topic: "Profile of Patients with Chemical Injury and Sensitivity, Part II."
- 1997 Expert reviewer for the Federal Interagency Work Group on Chemical Sensitivity.
- October 16, 1996 Presentation on Chemical Hypersensitivity to employees of the U.S. Department of Agriculture, Riverdale, MD.
- September 20, 1995 Invited speaker to National Institute of Environmental Health Sciences workshop on experimental approaches to chemical sensitivity. Topic: "Profile of Patient Characteristics: Chemical Injury and Sensitivity."
- November 3, 1994 Training seminar for managers and employees of the U.S. Environmental Protection Agency on Recognition, Accommodation, and Prevention of effects of chemical injury.
- May 5-7, 1994 Member of working committee for developing a research strategy on population studies related to chemical exposure, adverse effects and toxic-induced chemical sensitivity. California Department of Health Services and the U.S. Agency for Toxic Substances and Disease Registry.
- February 28, 1994 Testimony on toxic injury disorders in Gulf War Vet patients, to the Committee to Evaluate Health Consequences of the Gulf War, Institute of Medicine, National Academy of Sciences, Washington, DC.
- February 15, 1994 Invited testimony on pesticides and human health, related to BH 699, 700, 701 and 448, Committee on Environmental Matters, Maryland Legislature, Annapolis, Maryland.

1976-1980 Mercy Hospital Emergency Room.
1974-1975 Pre-term Clinic, Brookline, Massachusetts.
1972-1975 Chelsea Memorial Hospital Emergency Room.
1968-1970 Medical Missionary, Vietnam Christian Service, Saigon and Pleiku, S. Vietnam.
1967-1968 Rotating internship, Bethany Hospital, Kansas City, Kansas.

EDUCATION

1980's Attended courses at Johns Hopkins School of Public Health (while also faculty): Toxicology, Toxicokinetics, Pulmonary toxicology, Toxicity of Selected Chemical Substances, Occupational Medicine, Industrial Hygiene, and Occupational and Environmental Epidemiology.
1973-1977 Dr. P.H., Harvard School of Public Health.
1973-1974 Graduate study at the Harvard School of Education in educational policy.
1971-1973 Master of Science in Hygiene, Harvard School of Public Health.
1970-1971 Master of Public Health, Johns Hopkins School of Hygiene and Public Health.
1963-1967 M.D., University of Kansas, College of Medicine.
1960-1963 B.A., Westmar College, Lemars, Iowa.

LICENSURE

1975-present Maryland (D18732)
1969-1978 Kansas

PERSONAL DATA

Birth Date: November 17, 1943
Citizenship: USA

PROFESSIONAL SOCIETIES

American Public Health Association, Occupational Health Section.
Society for Occupational and Environmental Health, Member, Executive Board, 1987-1990.
Association of Occupational and Environmental Clinics.
National Coalition Against Misuse of Pesticides, Board of Directors, 1993-1996.

PUBLICATIONS

A. Mann, They're Poisoning Us: An Investigative Report, 2011. Discussed work of G. Ziem.
G Ziem, "World Trade Center Disaster and Asthma Type", Environmental Health Perspectives, Vol 117 A56, 2009.

G. Ziem, "Pesticide Spraying and Health Effects", Environmental Health Perspectives, Vol. 113, A150, 2005.

"Corporate Influence on Threshold Limit Values" Policy and Practice in Health and Safety 3: 33-63, 2005.

D.R. Hoover, A. Donnay, C.S. Mitchell, G. Ziem, N.R. Rose, D.E. Sabath, E.J. Yurkow, R. Nakamura, R.F. Vogt, M. Waxdal, J.B. Margolick. Reproducibility of Immunological Tests Used to Assess Multiple Chemical Sensitivity Syndrome, Clinical and Diagnostic Laboratory Immunology, Nov 2003, P1029-1036.

Invited Contribution on Migraine Management. Medical Crossfire 2:31-32, 2000.

Profile of Patients with Chemical Injury and Sensitivity, Part II, Internat. J. Toxicol 18:401-409, 1999.

Prevalence and Overlap of Chronic Fatigue Syndrome and Fibromyalgia Syndrome Among 100 New Patients with Multiple Chemical Sensitivity Syndrome. Journal of Chronic Fatigue Syndrome, Volume 5, Numbers 3/4 1999.

Understanding Patients with Multiple Chemical Sensitivity. American Family Physician 59: 2101-2, 1999.

"Profile of patients with chemical injury and sensitivity." Environ Health Persp 105:417-436. (Supp 2) 1997.

"Chronic fatigue syndrome, fibromyalgia, and chemical sensitivity: overlapping disorders." Archiv Intern Med 155: 1913, 1995.

Guidelines for environmental review of industrial projects evaluated by developing countries, pinprick 63-66. In Screening Foreign Investments: an Environmental Guide for Policy Makers and NGO's, K. Bruno, Greenpeace. Third World Network Publishers, Penang, Malasia, 1994.

"American Conference of Governmental Industrial Hygienists: Low threshold of credibility", Am J of Ind Med, 26: 133-143, 1994.

"Corporate influence on exposure standards for toxic substances." In Indoor Air Quality In Asia, Proceedings of the International Conference Held at the Central Plaza Hotel, Bangkok, Thailand on 28-29th November, 1991, published April, 1993.

Appendices on "Right to Know," requesting government records, and notifying manufacturers of the health problems, in Teaching About Job Hazards: A Guide for Workers and Their Health Providers, by Nina Wallerstein and Harriet Rubenstein. American Public Health Association, 1993.

"Diagnosing and treating chemically injured people," Pesticides and You Summer/Fall 1993, pages 8-17.

"Multiple chemical sensitivity: treatment and follow-up with avoidance and control of chemical exposures." Toxicol and Indust Health 8:73-86, 1992. (Reprinted in Journal of Clean Technology and Environmental Sciences 3:33-46, 1993).

Guest editorial, "Illness from chemical 'odors': is the health significance understood?", Archiv Environ Health 47:88-91, 1992.

Letter to the Editor, J. Psychosomatic Research 35:621-623, 1991.

Letter to the Editor, J Occup Medicine 33:4,435, 439, 444, 1991.

"Environmental review of industrial projects evaluated by developing countries." New Solutions Summer 1991, pages 75-76.

Letter to the Editor (topic: TLVs) Appl Occup Environ Hyg 5:10, p. 660, October 1990.

"Threshold Limit Values: Historical Perspectives and Current Practice," Journal of Occupational Medicine 31:910-918, 1989.

"Physical symptoms after neurotoxic exposure," Journal of Occupational Medicine, 31: 410-411, 1989.

Guest editorial: "Toxic Pollutants, Science, and Corporate Influence." Archives of Environmental Health, 44: p.68, 1989.

"Corporate Influence on the Threshold Limit Values," Proceedings of the XIth World Congress on the Prevention of Accidents and Diseases, pages 669-670, Stockholm, Sweden

Letter to the Editor, Arbeitswissenschaft 3: p F33, Sept. 1988

"Corporate Influence on the Threshold Limit Values," American Journal of Industrial Medicine 559, 1988.

"Relating to Your Doctor about a Pesticide Exposure," Journal of Pesticide Reform 7:14-15, 1987.

"Dust Control and Fiber Exposure in Automotive Brake Mechanics." Presentation from Proceedings of the Fifth Annual Fibers in Friction Materials Symposium, Society of Automotive Engineers, Atlantic City, New Jersey, October 5-8, 1987.

Author for EPA Guidelines for Preventing Asbestos Disease Among Auto Mechanics EPA-550-OPTS-86-002, June 1986.

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"Aplastic Anemia with Methoxychlor Exposure." Lancet, December 1982.

"Clinical Skills in Primary Care Education" (Chapter IX). In The Art of Teaching Primary Health Care, Springer Publishing Co., 1979.

Guest editor of special issue on Women and Health, International Journal of Health Services, Vol. 5, No. 2, 1975.

Social Structure and the Education of Health Personnel, International Journal of Health Services, 4:297-318, 1974.

Seleccion, Desempeno y Desercion de las Promotoras Rurales en Valle, Cauca Y Narino, Acta Medica del Valle IV, 3:75-77, 1973.