

CURRICULUM VITAE – Arthur Firstenberg

Arthur Firstenberg is a scientist, journalist and author who is at the center of a worldwide movement to reduce electromagnetic pollution. His book, *The Invisible Rainbow: A History of Electricity and Life* (AGB Press 2017), is the first book ever published that tells the history of electricity from an environmental point of view. He is also the author of *Microwaving Our Planet: The Environmental Impact of the Wireless Revolution* (Cellular Phone Task Force 1996). From 1997 to 2002, he was the publisher and editor of the journal *No Place To Hide*.

He is the founder and president of the Cellular Phone Task Force, a 501(c)(3) nonprofit. Since 1996, the Task Force has provided a global clearinghouse for information about wireless technology's injurious effects, and a national support network for people disabled by this technology. In 1997 the Task Force was the lead litigant in a challenge brought by over 50 citizens groups against the FCC's limits for human exposure to radio frequency radiation.

He is also president of the Santa Fe Alliance for Public Health and Safety, which he co-founded in 2005 and which mounted a successful campaign to oppose citywide WiFi in Santa Fe, New Mexico. He is president of New Mexicans for Utility Safety, which he co-founded in 2015 and which succeeded in stopping the deployment of Smart Meters in New Mexico's cities. He co-founded the Global Union Against Radiation Deployment from Space (GUARDS) in 2014 to oppose global wireless Internet from thousands of satellites in space.

He is the Administrator and Co-author of the International Appeal to Stop 5G on Earth and in Space. To date, the Appeal has more than 300,000 signatures from 215 countries and territories, including 3,150 organizations, 7,200 scientists, 4,450 medical doctors, 14,100 engineers and 1,645 beekeepers.

Articles by Firstenberg or about his work have appeared in *Mother Jones*, *The Ecologist*, *Earth Island Journal*, *Vegetarian Times*, *Village Voice*, *Utne Reader*, *Townsend Letter for Doctors and Patients*, *New York Daily News*, *San Francisco Chronicle*, *New York Times* and other newspapers and magazines. His work has been translated into 32 languages.

After graduating Phi Beta Kappa from Cornell University with a B.A. in mathematics, he attended the University of California, Irvine School of Medicine from 1978 to 1982. Injury by x-ray overdose cut short his medical career. For the past 37 years he has been a researcher, consultant and lecturer on the health and environmental effects of electromagnetic radiation.

Training and Experience

Summers, 1966 and 1967. Research Fellow, renal and electrophysiology, Downstate Medical Center, Brooklyn, New York. Hugh J. Carroll, M.D., supervising physician.

1967. Winner, Westinghouse Science Talent Search.

1967 to 1971. National Merit Scholar, Cornell University.

1971. Bachelor of Arts with distinction in all subjects, Cornell University. Major: mathematics. Minor: physics.

1971. Elected to membership in Phi Beta Kappa.

1976. Completed professional training program for interpreters for the deaf. University of Arizona.

1977 to 1978. Pre-medical courses at San Diego State University and University of California, San Diego.

1978. Enrolled in University of California, Irvine Medical School.

Summer 1980. Injured by overdose of X-rays. Became hypersensitive to electromagnetic radiation.

December 1981. Presented first paper on health effects of electromagnetic radiation: "The effects of radiant energy on living organisms."

February 27, 1982. Despite being in the top half of the class academically, was forced to resign from medical school due to life-threatening injuries from medical technology.

1983 to 1985. Completed RST-IV training and certification in the Rubenfeld Synergy Method at The Rubenfeld Center, New York, New York.

1986 to 1988. Completed Feldenkrais training and certification with Mia Segal in New York.

1996. Founded Cellular Phone Task Force.

1996 to present. President, Cellular Phone Task Force.

1997 to 2001. Leader of litigation brought by over 50 citizens' groups against the Federal Communications Commission's guidelines for human exposure to radio frequency radiation. *Cellular Phone Taskforce v. FCC*, 205 F.3d 82 (2nd Cir. 2000) and *Cellular Phone Taskforce v. FCC*, 217 F.3d 72 (2nd Cir. 2000), *cert. denied* (2001).

September 9, 1997. Cellular Phone Task Force incorporated in New York State as a domestic not-for-profit corporation.

1997. Expert witness, *Frank Szabo v. Esat Digifone Ltd.*, 2 ILRM 102 (Irish High Court, Feb. 6, 1998).

1997 to 2002. Publisher and Editor, *No Place To Hide*, a journal, distributed to subscribers worldwide, that documented the changes in public health and the environment that were being caused by wireless technology.

April 10, 1999. Panelist, international public forum, “Cell Phones, Antennas, Radio/TV Towers: Health Risks of Going Wireless. Sponsored by the California Council on Wireless Technology Impacts. Westminster Presbyterian Church, Tiburon, California.

July 30, 1999. Panelist, public forum, “Microwave War.” Sponsored by the Mendocino Environmental Center. Mendocino Recreational Center, Mendocino, California.

November 10, 2000. Panelist, film and discussion with the filmmaker, “Powerlines: A short film by Helen Hall.” Mendocino Rec Center, Mendocino, California.

March 20, 2001. Panelist, community forum, “Wireless Technology, Our Environment, and Historic Preservation.” Sponsored by Alliance for Integrative Health Care, Cellular Free Mendocino, Community Action Network, Toxics Free Future and Mendocino Community Network. Presbyterian Church, Mendocino, California.

2005. Co-founded the Santa Fe Alliance for Public Health and Safety to oppose proposed city-wide WiF in Santa Fe, New Mexico.

2007. Appointed to steering committee to advise the Information Technology and Telecommunications Department of the City of Santa Fe on the health effects of wireless Internet.

May 14, 2007. Lecture, “City-wide WiFi: What’s being proposed and why you should be afraid for your health.” Sponsored by Santa Fe Alliance for Public Health and Safety. Santa Fe Women’s Club, Santa Fe, New Mexico.

August 28, 2007. Presenter at environmental conference; “Ionizing and Non-Ionizing Radiation on Indian Lands.” Sponsored by Unci Maka Uonihanpo (Honor Mother Earth). Prairie Knights Casino, Sanding Rock Sioux Indian Reservation.

May 27, 2010. Gave a workshop to medical practitioners: “Electromagnetic Fields in Clinical Practice: A Workshop for Doctors.” Isis Medicine, Santa Fe, New Mexico.

December 22, 2010. Cellular Phone Task Force became a 501(c)(3) tax-exempt charitable organization.

2014. Co-founded the Global Union Against Radiation Deployment from Space (GUARDS) to oppose high-speed Internet from thousands of satellites in space.

2015. Co-founded New Mexicans for Utility Safety to opposed Smart Meters in the New Mexico.

1985 to present. Certified Rubenfeld Synergy Method practitioner.

1988 to present. Certified Feldenkrais practitioner.

1996 to present. Environmental refugee. Fled New York City on November 21, 1996 due to life-threatening injuries from citywide rooftop cell phone antennas that were activated on November 14. Fled Norwich, New York in 1998 after the installation of cell towers there. Fled Mendocino, California in 2003 after digital TV and wireless Internet came to the Mendocino coast, and fled northern California in 2004 after living in a car and being unable to find a safe home for one year.

1996 to present. Consultant to doctors and individuals on electromagnetic fields and electromagnetic radiation.

Books

Microwaving Our Planet: The Environmental Impact of the Wireless Revolution (Cellular Phone Task Force, NY 1996, 1997).

The Invisible Rainbow: A History of Electricity and Life (AGB Press 2017; Chelsea Green 2020).
Published also in Norwegian, Korean, Italian, Spanish, French, German, Russian, and Japanese.

Publications

“Choisir la vie,” *La maison du 21e siècle*, April 23, 2020.

“The Flames of Progress,” *Creations Magazine* 34(2): 28-29, April/May 2020.

“Alarming Decline in Millennials’ Health,” *Creations Magazine* 33(5): 10-11, October/November 2019.

Firstenberg, Arthur, Claire Edwards, Rainerg Nyberg, Lynne Wycherley, “Non à la 5G sur Terre et dans l’Espace.” Translated by Chantal Bodinel. *Biocontact* No. 300, pp. 8-20, April 2019.

Firstenberg, Arthur, Claire Edwards, Rainerg Nyberg, Lynne Wycherley, *International Appeal to Stop 5G on Earth and in Space*, September 2018, www.5gSpaceAppeal.org.

“Cell Phones: Questions and Answers.” *Green Medicine Newsletter* 3(6): 3-8, June 2018.

“Planetary Emergency.” *The Everyday Concerned Citizen* <everydayconcernedcitizen.net>, March 15, 2018.

“From Blankets to Bullets.” *EcoDwell*, May 2018.

“5G Wireless in Space.” *Rocky Mountain Environmental Health Association Newsletter*, March 2018.

“5G – From Blankets to Bullets.” *EcoDwell*, February/March 2018.

“Q & A on Cell Phone Dangers,” *Our Toxic Times*, February 2018.

“Téléphones cellulaires: questions et réponses.” *La Maison du 21^e Siècle*, online, January 15, 2018.

“There could soon be ugly and ‘dangerous’ cell towers everywhere.” *New York Daily News*, Dec. 12, 2017.

“Cellphone tower debate coming Wednesday.” *Santa Fe New Mexican*, August 26, 2017.

David O. Carpenter, MD, Arthur Firstenberg, and Dafna Tachover, “Atzmon et al., ‘Cancer risks in the Druze Isifya Village: Reasons and RF/MW antennas,’ *Pathophysiology* 19: 21-28 (2012) should be retracted.” Submitted to *Pathophysiology*, August 2, 2016.

“Radiation Concerns.” *New York Times*, April 7, 2015.

“Deforestation: A crime of the highest order.” *Santa Fe New Mexican*, July 25, 2015.

“Environmental discrimination must stop.” *Santa Fe New Mexican*, October. 6, 2012.

“Electromagnetic hypersensitivity: A Hidden Epidemic?” *New Dawn*, September/October 2012.

“A Brief Guide to Smart Meters.” <www.cellphonetaskforce.org/?page_id=389>, May 7, 2012.

“Moratorium on cell towers needed.” *Santa Fe New Mexican*, March 6, 2011.

"Electrosmog resistance." *Santa Fe New Mexican*, March 10, 2010.

“Voting ‘no’ on Wi-Fi right thing to do.” *Santa Fe New Mexican*, June 1, 2008.

“Sebastopol’s brave rejection of WiFi.” *Santa Rosa Press Democrat*, April 5, 2008.

“Unsung casualties of a wireless war.” *Sun News*, March 30, 2008.

“Silent Wireless Spring,” <www.cellphonetaskforce.org/wp-content/uploads/2011/10/silentwirelesspring.pdf>, 2007.

“Look Wi-Fi in the eye.” *Santa Fe New Mexican*, January 14, 2007.

“The largest biological experiment ever.” *Sun Monthly*, January 2006.

“Danger: radiation.” *Total Wellness*, September 2005.

“Everyone is affected by electromagnetic radiation.” *Townsend Letter for Doctors and Patients*, August 2005.

“Danger: radiation,” reprinted in *Voices of the New Earth*, December 2004.

“Killing Fields.” *The Ecologist*, June 2004.

“Telecommunications vs. the environment.” *HopeDance*, March 2004.

“Electrical sensitivity.” *Human Ecology Study Group Newsletter*, August 2003.

Arthur Firstenberg and Susan Molloy, “Electrical sensitivity,” *Latitudes*, July 2002.

“Scientists under pressure.” *No Place To Hide*, June 2002.

“Radio waves: Invisible danger.” *Earth Island Journal*, Winter 2000-2001.

“Wireless means radiation.” *Lapis Lazuli Light*, November 2001, in Chinese.

“Can Mendocino become a refuge?” *No Place To Hide*, November 2001.

“Update on Satellites.” *No Place To Hide*, November 2001.

“Radio waves, the blood-brain barrier, and cerebral hemorrhage.” *No Place To Hide*, November 2001.

“Response to ‘smear tactics.’” *Mendocino Beacon*, November 1, 2001.

“‘Misleading statements’ countered.” *Mendocino Beacon*, October 11, 2001.

“Wireless means radiation.” *Lapis News*, October 2001.

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“Symptoms of radio wave sickness.” *International Council for Health Freedom Newsletter*, Summer 2001.

“The Internet Eats the Earth.” *Earth Island Journal*, Summer 2001.

“Facts ‘do’ matter.” *Mendocino Beacon*, May 3, 2001, May 3, 2001.

“December illnesses coincide with satellite operations.” *No Place To Hide*, April 2001.

“Symptoms of radio wave sickness.” *No Place To Hide*, April 2001.

“MCN betrayed the community’s trust.” *Mendocino Beacon*, March 29, 2001.

“Rennie Innis: Nihilist.” *Anderson Valley Advertiser*, March 28, 2001.

“Wireless Internet – at what cost?” *Mendocino Beacon*, December 21, 2000.

“Measuring EMFs.” *Our Toxic Times*, July 2000.

“Keep Mendocino free of electromagnetic pollution.” *Mendocino Beacon*, June 1, 2000.

“Historical perspectives on EMFs.” *Our Toxic Times*, June 2000.

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“Court of Appeals Rules Against Taskforce.” *Electrical Sensitivity News*, May - June 2000.

“The future of electricity and life: A call for cooperation.” *No Place To Hide*, March 2000.

“Electricity, influenza, and odd illnesses.” *No Place To Hide*, March 2000.

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“Microwaving the planet: Americans fight cellular towers in court.” *Alive: Canadian Journal of Health and Nutrition*, October 1999.

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“Satellites: What’s in store.” *No Place To Hide*, September 1999.

“Source of the Taos Hum.” *No Place To Hide*, September 1999.

“Microwaving Mendocino.” *No Place To Hide*, September 1999.

“In the name of communication.” *The Gazette*, Summer 1999.

“About ringing in the ears – perception of electromagnetic waves.” *AEVICEM Newsletter*, June 1999, in French.

“The forgotten works of Bose and d’Arsonval.” *AEVICEM Newsletter*, June 1999, in French.

“Proposed Swiss Ordinance Gives Legal Protection to Electrically Sensitive People.” *Electrical Sensitivity News*, July - August 1999.

“Report from the Cellular Phone Taskforce.” *Electrical Sensitivity News*, May - June 1999.

“Thousands of homing pigeons lose their way.” *G-A News* (published by Tokyo Citizens for a Safe and Sane Environment), March 1999, in Japanese.

“Microwaving the planet.” *Earth First! Journal*, March 1999.

“About electrical sensitivity.” *No Place To Hide*, February 1999.

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“Thousands of homing pigeons lose their way.” *No Place To Hide*, February 1999.

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“Radio waves and asthma.” *No Place To Hide*, February 1999.

“Lyme disease confused with radio wave sickness?” *No Place To Hide*, February 1999.

“Sleep disorders.” *No Place To Hide*, February 1999.

“High blood pressure.” *No Place To Hide*, February 1999.

“Ringing in the ears.” *No Place To Hide*, February 1999.

“The forgotten works of Bose and D’Arsonval.” *No Place To Hide*, February 1999.

“Cellular phone towers – mixed signals.” *Hearing Health*, January 1999.

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“Influenza and electricity.” *Japan Environment Monitor*, September 1998.

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“Microwaving our planet,” reprinted in *Green Living*, Summer 1998.

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“Signs and Symptoms of Microwave Sickness.” *Electrical Sensitivity News*, September – October 1997.

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Electrical Sensitivity News, March 1996.

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“The effects of radiant energy on living organisms.” Paper presented at California College of Medicine, Irvine, CA., December 1981.

Articles about Firstenberg and His Work

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- . "City opts to keep Wi-Fi turned on during telecommunications hearing." *Santa Fe New Mexican*, Nov. 8, 2016.
- . "Santa Fe may disable Wi-Fi at City Hall after 'electrically sensitive' residents raise health concerns." *Santa Fe New Mexican*, Nov. 7, 2016.
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- . "Taskforce head seeks world antenna moratorium." *International Council on Health Freedom Newsletter*, Fall 2000.
- . "Cell phones, etc: industry muzzles and punishes those who dare say they are dangerous to health." *International Council on Health Freedom Newsletter*, Winter 2002/Spring 2003.
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- Dyer, Jessica. "Man sues City over Wi-Fi." *Albuquerque Journal*, Dec. 25, 2010.

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Grant, Lucinda. "Cellular Phone Antennas on Lampposts." *Electrical Sensitivity News*, Sept.-Oct. 1996.

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Haywood, Phaedra. "Santa Fe man challenges city's plan for new wireless water meters." *Santa Fe New Mexican*, Jan. 13, 2015.

Hedges, Mark. "Cellular tower options discussed." *Ukiah Daily Journal*, April 8, 2001.

Heussner, Ki Mae. "'Allergic' to Electronics: Man Sues Neighbor Over Gadget Use." *ABC News*, March 30, 2010.

Jarvie, Naomi. "Controversy on health effects from cell tower radiation." *Mendocino Beacon*, May 6, 1999.

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Jennings, Trip. "Wireless foe's lawsuit slogs on in court." *Santa Fe New Mexican*, Dec. 9, 2011.

Jewett, Victoria. "Wi-Fi warnings worthy of hearing." *Santa Fe New Mexican*, May 18, 2008.

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Ketcham, Christopher. "Warning: High Frequency." *Earth Island Journal*, Winter 2012.

Krouse, Greg. "Less wireless, Less Innis." *Anderson Valley Advertiser*, April 25, 2001.

Last, T. S. "Wireless suit against City still alive." *Albuquerque Journal*, Oct. 10, 2012.

———. "Santa Fe to discuss law on fees for telecom providers." *Albuquerque Journal*, Nov. 8, 2016.

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Matlock, Staci. "Judge: Wi-Fi OK until neighbor's suit goes to trial." *Santa Fe New Mexican*, April 5, 2010.

McIntyre, Annette. "New technology blamed for Ilkley student's living nightmare." *Wharfedale and Airedale Observer (UK)*, July 10, 2008.

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Mittelman, Jerry, DDS. Special Report on Cell Phones. *Holistic Dental Digest* 1999.

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- Mysterud, Iver. Book review, *Den Usynlige Regnbuen*, "Viktig bok om stråling og helse." *Naturen*, no. 2, 2019, pp. 78-80.
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Testimonials

"*Microwaving Our Planet: The Environmental Impact of the Wireless Revolution* is an essential reference tool."

– Daryl T. Bean, National President, Public Service
Alliance of Canada, September 14, 1998.

"Firstenberg is to be congratulated on the quality of his publication! He also has courage to take up military technology."

– Rosalie Bertell, PhD, Editor-in-Chief, *International Perspectives in Public Health*, April 1, 1999

"We feel that reading the *No Place To Hide* newsletter could extend your life with healthier years."

– Jerry Mittelman, DDS, editor, *The Holistic Dental Digest*, Sept./Oct. 1999

"He is one of my valued contributors and a personal hero."

– Gar Smith, editor, *Earth Island Journal*,
October 24, 2000

"His work is absolutely essential and eventually it will be more widely appreciated."

– William E. Morton, MD, PhD, Occupational and
Environmental Medicine, Epidemiology, Oregon
Health Sciences University, May 1, 2001

"Your cause is a most important one, without any doubt. You mustn't give up."

– Teddy Goldsmith, founder, *The Ecologist*,
July 27, 2001

“At age 81, it’s normal for me to start losing my memory. But everybody I tell this to, says, ‘Well, I seem to be losing my memory, too.’ And I tell them about the work of Arthur Firstenberg.”

– Pete Seeger, April 21, 2000

“Firstenberg is a pioneer in the sense that Rachel Carson was a pioneer.”

– Chellis Glendinning, PhD, author of *When Technology Wounds*, March 17, 2007

“*The Invisible Rainbow*, which as a medical doctor I found hard to put down, explores the relationship between electricity and life from beginning to end: from the early eighteenth century to today, and from the point of view of the physician, the physicist, and the average person in the street. Firstenberg makes a compelling case that the major diseases of civilization—heart disease, diabetes, and cancer—are in large part related to the pollution of our world by electricity.”

– Bradley Johnson, M.D.
Amen Clinic, San Francisco

“*The Invisible Rainbow* is wonderful. Firstenberg has done his research thoroughly. His book is easily readable and provocative while being entertaining. A remarkable contribution.”

– David O. Carpenter, M.D.
Director, Institute for Health and the Environment, School of Public Health,
State University of New York at Albany

“I found *The Invisible Rainbow* to be a mystery unfolding and could not put it down... This book is very, very important.”

– Sandy Ross, Ph.D.
President, Health and Habitat, Inc.

“I was stunned by *The Invisible Rainbow*. It is an extremely valuable document about an increasingly widespread environmental health risk to which we are all exposed. I am overwhelmed with admiration for what Firstenberg has accomplished.”

– William E. Morton, M.D., Dr.P.H.
Professor Emeritus, Oregon Health Sciences University

“*The Invisible Rainbow* is a game changer. I couldn't put it down. It's a grand overview of over-electrification and it's effects on biology. It's well written and researched. Arthur is a scientist and a journalist. He's a great story teller.”

– Shelley Masters, artist
Sonoma, California

“*The Invisible Rainbow: A History of Electricity and Life*, by Arthur Firstenberg, is not only a marvelous opus. It is one of those once-in-a-millennium books that turn into classics. Easy to read, hard to put down, sublimely poetic, and scientifically rigorous, with a bibliography almost one-third the size of the book itself, this is a history of electricity which has never been told.”

Jennifer Wood, architect

Just as Rachel Carson's *Silent Spring* warned the mid-twentieth century about the dangers of indiscriminate chemical and pesticide use, Arthur Firstenberg's *Invisible Rainbow: A History of Electricity and Life* provides a comprehensive analysis of the perils of electricity's proliferation and exposure to its electromagnetic radiation.

Kate B. Showers, Ph.D.
University of Sussex