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USA / 2014 / TRT: 84 MIN. / HD / COLOR

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SYNOPSIS

Mobilize is an investigative documentary that explores the potential long-term health effects from cell phone radiation including cancer and infertility. Examining the most recent scientific research and legislative efforts, Mobilize illuminates how finance corrupts public health. The film features interviews with numerous doctors, politicians, cancer patients, and technology experts, major telecommunication associates, and prominent politicians.

Filmed over three years and edited together from hours of footage, Mobilize includes accounts from individuals at the following organizations and universities: Apple Inc., the World Health Organization, the International Agency for Research on Cancer, the National Cancer Institute, the Cellular Telecommunications Internet Association, Yale University, Harvard University, USC, UCSF, UC Berkeley, and Virgin Mobile.

DIRECTOR'S STATEMENT

I first became interested in cell phone radiation and public health when a friend of mine contacted me regarding his father, Alan Marks who was recently diagnosed with brain cancer after using a cell phone for over twenty years. While Alan's story itself was tragic enough, it was the role that his cell phone played which intrigued me and ignited my journey across the country in search of answers.

While pursing Alan's story and the deeper connection between cell phones and the human body, I learned San Francisco had been the first city in the world to introduce legislation that would have informed consumers about the safer ways to use a cell phone. Since the bill was introduced in 2010, over a dozen other nations have passed similar resolutions including England, Italy, and France. However, San Francisco's bill was never implemented due to a lawsuit filed against the city by the cell phone industry.

As I continued to interview more brain cancer and tumor patients, I became more invested in uncovering not only the relationship between cell phones and human health, but also in exploring the role that politics, media, and scientific funding have on public awareness. While concern about cell phone radiation and the long-term health effects are still largely unappreciated by the general public, I hope that as more impartial reporting and investigative efforts circulate the potential dangers will be impossible for an educated population to ignore.

"THE CAST"



Gavin Newsom - Current Lt. Governor of California and former Mayor of San Francisco. In 2010, Newsom passed a "Right to Know" bill to inform consumers about cell phone radiation. The cell phone industry sued the city for passing the precautionary legislation and after years in court new Supervisors decided to dissolve the bill.



Steve Wozniak - In 1976, Wozniak and Steve Jobs founded Apple Inc. and launched the first personal computer. After leaving Apple, Wozniak joined the Board of Directors for Danger Inc., the makers of the T-Mobile Side Kick. Although Wozniak no longer works for Apple, he still keeps up to date on the latest cell phone technologies.



<u>Devra Davis, Ph.D., M.P.H.</u> - Former White House health advisor and founding director for the Board of Environmental Studies and Toxicology of the National Academy of Sciences. Davis won the Nobel Peace Prize for her work with the Intergovernmental Panel on Climate Change.



<u>Richard Branson</u> - British billionaire, world record setter, and cell phone safety advocate, Branson's entrepreneurial projects started in the music industry and expanded into other sectors including airplanes and mobile phones. However, Branson was one of the first to advocate for precaution when he was interviewed about cell phone radiation in 1996.



<u>Lawrence Lessig, J.D.</u> - Director of the Edmond J. Safra Center for Ethics at Harvard University and a professor at Harvard Law School. Lessig is the founder of Creative Commons and serves on the board of MapLight and the Electronic Frontier Foundation. Lessig has written several books on politics and heads the organization Rootstrikers.



<u>Dennis Kucinich</u> - A United States House Representative and former Mayor of Cleveland, Ohio. Kucinich served as a House member from 1997 - 2013 and introduced a national bill requiring safety labels to be put on cell phones.



Renee Sharp, M.S. - The California Director and Senior Scientist for the Environmental Working Group. Sharp holds Masters and Bachelors degrees in biology from Pennsylvania State University and Rice University, where she worked on the environmental and human health impacts of electricity.



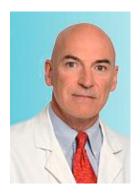
<u>David Servan-Schreiber</u>, Ph.D., M.D. - A French physician, neuroscientist and author. Servan-Schreiber was a professor at the University of Pittsburgh School of Medicine and a lecturer in the Faculty of Medicine at the Université Claude Bernard Lyon. Diagnosed with brain cancer at age 31, Servan-Schreiber used his experiences fighting the disease to form the background for his best-selling book Anti-Cancer: A New Way of Life.



Jonathan Samet, Ph.D., M.D. - Chairman of the International Agency for Research on Cancer's working group, which classified cell phone radiation as a possible cause of brain cancer. In 2011, Samet was appointed by President Obama to the National Cancer Advisory Board. He is also the Chair of the Department of Preventive Medicine at the University of Southern California.



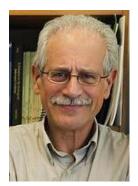
<u>David Katz, M.D., M.P.H.</u> - Founding Director of Yale University's Prevention Research Center and the Integrative Medicine Center at Griffin Hospital. Katz is also the president of the non-profit Turn the Tide Foundation, and was formally the director of Medical Studies in Public Health at the Yale School of Medicine.



<u>Robert Nagourney, M.D.</u> - Medical and Laboratory Director at Rational Therapeutics Inc. Nagourney is board certified in internal medicine, medical oncology, hematology, and pioneered the development of personalized cancer therapy. As co-investigator on national trials, Nagourney has been involved in the management of ovarian and breast cancer treatments that today are used around the world.



<u>Debbie Raphael</u> - Director of the Department of Toxic Substances Control for California's Environmental Protection Agency. Raphael has been at the forefront of a statewide effort to reformulate consumer products such as cell phones through product re-design, incentives, and consumer right-to-know bills.



<u>Joel Moskowitz, Ph.D.</u> - Director of the Center for Family and Community Health in the School of Public Health at the University of California, Berkeley. Moskowitz has conducted research on disease prevention programs and policies for more than 30 years. In 2009, he served as the senior author on a review of the research on mobile phone use and tumor risk that was published in the Journal of Clinical Oncology.



<u>Andrea Boland -</u> A member of the Maine House of Representatives for her fourth term in office. She serves on the Joint Standing Committee on State and Local Government and the Government Oversight Committee. A nationally recognized leader for safety, Boland introduced legislation requiring precautionary warning labels be put on cell phones.



<u>Max Anderson</u> - Berkeley City Council Member from 2004 to present. Anderson is on the board for the California Nurses Association and was formerly on the Berkeley Rent Stabilization Board. Anderson strongly supports cell phone safety legislation and education.



<u>Mark Leno</u> - California Senator District 3, including San Francisco, Sonoma and Marin County. Leno is the author of two Senate bills, which require cell phone retailers to disclose safety information on radiation. Both bills were not passed due to the lobbying efforts of the telecommunications industry.



Stan Glantz, Ph.D. - Director of the Center for Tobacco Control Research and Education at UCSF. Glantz authored one of the first major reports identifying secondhand smoke as a cause of heart disease. He also co-wrote the landmark summary of the Brown & Williamson documents, which exposed the tobacco industry's cover up and knowledge of the addictive and dangerous nature of cigarettes.



<u>Vince Chhabria, J.D.</u> - San Francisco Deputy City Attorney from 2005 to present. Chhabria also served as a law clerk to Stephen Breyer of the United States Supreme Court. Chhabria spoke on behalf of San Francisco's cell phone safety bill at hearing held by the U.S. 9th Circuit Court of Appeals.



<u>John Walls</u> — CTIA's Vice President of Public Affairs. Walls' primary responsibilities are supervising external and internal communications, which include media relations. Prior to joining CTIA, Walls was a member of the original anchor team for Fox Sports Net and has won numerous awards for his work including a Regional News Emmy for his on-location anchoring of the Timothy McVeigh execution.



<u>Steve Aoki</u> - American electro house musician, record producer and the founder of Dim Mak Records. Aoki attended the University of California, Santa Barbara and graduated with two B.A.s; one in Women's Studies and the other in Sociology. Aoki travels around the world performing music and crowd surfing on inflatable rafts.



<u>Josh Wolf</u> - Multimedia journalist and filmmaker. Wolf is best known for spending 226 days in prison, longer than any other journalist in U.S. history, served for protecting source materials and refusing to divulge information. In 2006, The Society of Professional Journalists awarded Wolf with the Journalist of the Year award.



<u>Hugh Taylor, M.D.</u> - Professor and Chair, Department of Obstetrics Gynecology and Reproductive Sciences at Yale School of Medicine and Chief of Obstetrics and Gynecology at Yale-New Haven Hospital. Taylor is also Professor of Molecular, Cellular and Developmental biology at Yale University. He is a recipient of eight National Institutes of Health research grants and directs The Yale Center for Reproductive Biology.



<u>David Carpenter</u>, M.D. - Director of the Institute for Health and the Environment at UAlbany's School of Public Health. He previously served as director of the Wadsworth Laboratory of the New York State Department of Health. Carpenter was recently named to New York's Renewable Energy Task Force, charged with implementing plans to reduce electricity use through new energy efficiency programs in industry and government.



<u>Eric Mar</u> - California politician and former college professor. Mar previously served on the San Francisco Board of Education and San Francisco County Democratic Central Committee. In 2008, he was elected to the San Francisco Board of Supervisors representing the Richmond District.



<u>Heiko Strehlow</u> - Director of Compliance Services for CETECOM, an accredited cell phone testing facility that been FCC certified for SAR tests. Strehlow received his degree in Electrical Engineering from the Universitat Karlsruhe. Strehlow's labs focus on measuring how much radiation is absorbed by human tissue from a cell phone.

PRESS

"A CALL FOR ACTION"

By Emily Hunt and Isabel Fondevila

Filmmaker Kevin Kunze's new documentary *Mobilize* will make you think twice about answering your next phone call. That's because his latest film provides very convincing evidence that cell phones are causing negative impacts on people's health.

When East Bay father Alan Marks pegged his brain tumor on cell phone usage a few years ago, the issue of cell phone radiation had its brief moment in the limelight. But the media focus eventually fizzled out. And with so many friends to talk to, deals to make, lunch dates to plan, and distant relatives to keep at bay, our reliance on phones wasn't so easily put on hold.

But some kept their eyes on the story. One of these on lookers was independent filmmaker and community activist Kunze, who was deeply affected when a college classmate told him about his father's brain cancer. Kunze later teamed up with Nobel Prize-winning author and scientist Devra Davis to make a documentary on the issue and its rather serious implications. The film picks up the story at the industry's initial boom in 1993.

Mobilize interviews experts hailing from Yale, Stanford, UC Berkeley, and UCLA. Apple co-founder Steve Wozniak and California Senators Mark Leno and Leland Yee offer their thoughts on the matter, and Kunze digs up the stories of multiple brain tumor sufferers, whose stories went oddly uncovered by the media. Though the potential for brain cancer was a projected side-effect that's been discussed since the promulgation of mobile phones, more and more studies are popping up that suggest the long-term usage of devices cause DNA damage, blood-brain barrier damage, breast cancer, sperm reduction, and infertility.

San Francisco's own history with cell phone health has been an intense one. The Right to Know Act of 2010 required cell phone retailers post information about possible health risks associated with phone usage. However, the bill came under fierce attack

from the telecommunications industry. We connected with Kunze to discuss cell phone radiation and what is currently happening legislatively.

Isabel Fondevila: What motivated you to make this film?

Kevin Kunze: I became motivated to make this film when I started to hear from brain tumor patients about their experiences and how many of them and their family strongly believe their cancer was caused from long-term cell phone use.

IF: What was the biggest challenge during production?

KK: The lack of funds and realizing the pervasiveness of cell phones within our media – both newspapers and the film industry. Just look at any major film festival and you'll see a cell phone sponsor. It didn't used to be like that ten years ago.

IF: What did you learn making the film?

KK: Whenever I make a film I'm trying to answer a question for myself and the filmmaking is a way of understanding more. After interviewing over 50 experts, I've learned to always follow my instinct and that sometimes it's an advantage to have only one person behind the camera instead of an entire crew. For instance, when interviewing Steve Wozniak, I don't think he would have been so candid with his answers if I had a ton of people and equipment.

IF: You interviewed politicians such as Gavin Newsom, Mark Leno, and Dennis Kucinich. What are they doing to protect our health? Is anything holding back their efforts?

KK: They are doing the best they can to protect our health by trying to pass bills on multiple levels: national, state, and city. Unfortunately there are several speed bumps along the way. For instance, one of the major ones has been lobbying. Using multiple websites such as MapLight, we've been able to see that telecommunications industries have given Senators in California substantial amounts of contributions to vote no on certain safety bills. In fact, recently the LA Times ran an article showing AT&T has been the biggest lobbyist in California for the past 7 years.

KK: Three years ago when Gavin Newsom and the SF Board of Supervisors passed a Right to Know bill, which would use information found in fine print in cell phone manuals and make it more apparent by putting it on the box. The cell phone industries sued the city claiming it goes against their freedom of speech or First Amendment rights as corporations. The lawsuit ended up in courts for years, which gave the cell phone industry an edge. After building up large attorney fees, they offered the city Supervisors an ultimatum. If the city continues to fight in court and loses the lawsuit they would have to pay the expensive legal fees for the cell phone companies. The alternative, drop the legislation and the legal fees will disappear. That's what the city decided to do.

IF: You interviewed John Walls from CTIA, the telecommunication lobbying organization that filed a lawsuit against San Francisco for passing a cell phone safety bill. What was it like to meet him?

KK: It was a little intimidating. The only reason he did the interview in the first place is because I went around the entire CTIA event trying to get spokesmen from different cell phone companies to address the fine print information in the manuals and to speak about the San Francisco lawsuit. The building where they held the convention was huge too. It's actually the same one they hold Comic Con, in San Diego, so it was massive. Finally, we were asked to stop filming and direct our questions to the CTIA's spokesperson, who as it turns out used to be Fox Sports anchor.

IF: Do you hope your film encourages people to take action? If so, what?

KK: I hope so. Using a cell phone safely is actually really easy. All you have to do is keep it away from your body and use a wired headset or speakerphone. And most cell phones nowadays come with a headset anyway because it protects the manufacturers against health liabilities. But beyond just looking out for your self I think people have a responsibility to look out for each other. Instagram, Twitter, Facebook – these are all great tools for communicating information about this issue. And once the public is informed, industry will have to become more accountable.

FILMMAKERS BIOS



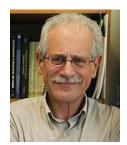
<u>Director / Editor</u> - Kevin Kunze is a Bay Area-based filmmaker and activist. His short films have been screened at the New York City Director's Guild of America Theater, the Berkeley Art Museum / Pacific Film Archive, and the San Francisco Public Library. His viral videos have been written about in the New York Times, USA Today, Entertainment Weekly, and Hollywood-Elsewhere. Find out more about his other films at: www.KevinKunze.com



Associate Producer - Ellie Marks is the president and founder of the California Brain Tumor Association. In 2008, her husband was diagnosed with a malignant glioma, which doctors attributed to his 20 years of cell phone use. Marks testified to Congress on the health risks of cell phones and has appeared on the Dr. Oz Show, Larry King Live, and many national newscast. Since speaking out Marks has been contacted by numerous brain tumors patients who believe that cell phone radiation caused their cancer. Find out more about her non-profit at: www.CABTA.org



Associate Producer - Devra Davis, Ph.D., M.P.H., is a former White House health advisor and founding director for the Board of Environmental Studies and Toxicology of the National Academy of Sciences. Davis won the Nobel Peace Prize for her work with the Intergovernmental Panel on Climate Change. Find out more about her non-profit at: www.EHTrust.org



<u>Associate Producer</u> - Joel Moskowitz, Ph.D., is the Director of the Center for Family and Community Health in the School of Public Health at the University of California, Berkeley. Moskowitz has conducted research on disease prevention programs and policies for more than 30 years. In 2009, he served as the senior author on a review of the research on mobile phone use and tumor risk that was published in the Journal of Clinical Oncology.

TIMELINE

- 1973 First hand held mobile phone invented by Martin Cooper for Motorola.
- 1975 Alan Frey, funded by the Office of Naval Research, publishes a study in the Annals of the New York Academy of Sciences stating that radio frequency (RF) radiation could cause damage to the blood-brain barrier.
- 1985 The first safety guidelines for radio frequency (RF) radiation, the type of radiation used by cell phones, is enacted by the Federal Communications Commission (FCC) to ensure people were not exposed to dangerous effects.
- 1993 David Reynard files a lawsuit against Motorola claiming cell phone radiation caused or accelerated the growth of his wife Susan's brain tumor. The Cellular Telecommunications Industry Association (CTIA) along with the federal government pledged \$25 million over five years to fund research on the potential health risks from wireless phones.
- 1996 In an interview with 20/20, Richard Branson tells reporters he doesn't use a cell phone next to his head and compares it with cigarettes. A month after the interview, Branson forms the cell phone company. Virgin Mobile.
- **2000** The CTIA receive the final peer-reviewed research, which includes studies that show genetic damage and an increased risk for cancer. The CTIA merges with the Wireless Data Forum and becomes the Cellular Telecommunications Internet Association.
- **2008** Congressman Dennis Kucinich calls for a Congressional hearing to discuss the current research on cell phone radiation.
- **2010** San Francisco passes a "Right to Know" bill that will better inform consumers about cell phone radiation. The CTIA files a lawsuit against San Francisco's legislation claiming it violates their freedom of speech as corporations.
- 2011 The California Senate Committee on Environmental Quality holds a hearing to discuss statewide cell phone safety legislation. The bill doesn't pass the vote. A few days after the hearing, the World Health Organization (WHO) and International Agency for Research on Cancer (IARC) announced cell phone radiation is a "possible carcinogen."
- 2012 The Italian Supreme Court upheld a ruling that there was a link between heavy cell phone use and a business executive's brain tumor. The ruling could potentially open the door to further legal claims. In Florida, the Pembroke Pines City commission unanimously passes a resolution to encourage people to keep their cell phones away from their brain and body.
- **2013** President Obama appoints cell phone lobbyist Tom Wheeler, the former CEO of the CTIA, to be the Chairman of the FCC. Over the past two presidential campaigns, Wheeler raised \$700,000 in contributions for Obama.