

Curriculum Vitae

SETH SHULMAN

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EDUCATION

Harvard University, Cambridge, MA; 1977-82. B.A. Magna Cum Laude with Highest Honors in Visual Environmental Studies and Psychology.

Rudolf Arnheim Prize, 1981-82, for excellence in interdisciplinary study

John Harvard Honorary Scholar, 1978-79, 1980-82.

Massachusetts Institute of Technology, Cambridge, MA 1985-86. Vannevar Bush Fellow in the Public Understanding of Technology; Science, Technology and Society Program.

Science journalism fellowship for achievement in the field.

PROFESSIONAL EXPERIENCE

Author/Freelance Writer, Northampton, MA. 2001-Present. Publish books, articles and reports on science, technology and the environment in a wide variety of media. Magazine credits include: *The Atlantic*, *Discover*, *The Progressive*, *The Scientist*, *Smithsonian*, *Technology Review*, and *Time*. Newspaper credits include: *The London Times*, *Boston Globe*, and *Los Angeles Times*.

Science Writing Fellow, Dibner Institute in the History of Science and Technology, MIT, Cambridge, MA. Served as a writer in residence, conducting historical research, leading seminars and writing workshops. September 2004-August 2005.

Selection Committee Member, MIT Graduate Writing Program, Cambridge, MA. Screened and selected candidates for admission to the graduate writing program. Spring 2005.

Columnist, *Technology Review*, monthly science magazine, Cambridge, MA. Wrote a monthly column, "Owning the Future," that focused on innovation and controversies over intellectual property. The column regularly drew more reader mail than all the rest of the magazine's content put together. January 2001-September 2003.

Contributing Writer, *Technology Review*, monthly science magazine, Cambridge, MA. Wrote feature articles and shorter pieces for the magazine's "Trends" section, as well as assisted in editing pieces for publication, and story selection. November 1990-2003.

Editorial Board Member, *Genewatch*, bimonthly publication of the Council for Responsible Genetics, Boston, MA. Worked with a panel of scientists and health professionals to select and edit articles for publication. September 1986-2000.

Correspondent, *Nature*, weekly science journal, Boston MA. Contributed weekly articles to Nature's news section and, on several occasions, guest edited the section in Washington, DC. December-1987-April 1991.

Reporter, *Time* magazine, Boston, MA. Contributed regularly to magazine's science, health and environment sections from the magazine's Boston bureau. June 1986-August 1987.

Senior Writer, New England Medical Center, Boston, MA. Researched and co-authored the Center's first-ever, book-length research compendium. September 1986-February 1987.

Staffmember/Editor, Science Resource Center, Cambridge MA. Served as editor-in-chief for the organization's publications, including the bimonthly magazine *Science for the People*. Solicited and edited articles for publication and held primary responsibility for the magazine's editorial and graphic content. October 1982-September 1985.

Editorial Assistant, *Mother Jones* magazine, San Francisco, CA. Conducted background research for articles, fact checked each issues, and gathered items for the magazine's "Frontlines" section. September 1979-May 1980.

BOOKS

The Telephone Gambit: Chasing Alexander Graham Bell's Secret.
New York: W.W. Norton, forthcoming 2007.

Undermining Science: Suppression and Distortion in the Bush Administration.
Berkeley, CA: University of California Press, 2006. ISBN: 0-520-24702-7

Unlocking the Sky: Glenn Hammond Curtiss and the Race to Invent the Airplane.
New York: HarperCollins, 2002, ISBN: 0-06-019633-5.

Owning the Future.
Boston: Houghton Mifflin, 1999, ISBN: 0-395-84175-5.

The Threat at Home: Confronting the Toxic Legacy of the U.S. Military.
Boston: Beacon Press, 1992, ISBN: 0-8070-0416-2.

WRITING AWARDS & GRANTS

Finalist, National Magazine Award, American Society of Magazine Editors, 2001, in the "Public Interest" category for a piece entitled "Toward Sharing the Genome," *Technology Review*, September/October 2000.

Grant Recipient, Dick Goldensohn Fund, New York, NY, 1992, for research and travel for articles on the environmental legacy of the Manhattan Project.

Finalist, 1990 Livingston Award, Mollie Parnis Livingston Foundation, for the best example of national journalism by practitioners age 35 or younger.

Grant Recipient, John D. and Catherine T. MacArthur Foundation, Chicago, IL, for research on the U.S. military's environmental contamination.

Finalist, 1988 Mencken Award, Free Press Association, Apple Valley, CA, for "outstanding journalism in support of liberty."

Grant Recipient, Fund for Investigate Reporting, Washington, DC, 1988, for research and travel for articles on high-level nuclear waste.

Winner, Ten Best Censored Stories of 1987, Project Censored, Rohnert Park, CA, for "best underreported story."

REPORTS, BOOK CHAPTERS and CONTRIBUTIONS:

Smoke, Mirrors, and Hot Air: How ExxonMobil Uses Big Tobacco's Tactics to Manufacture Uncertainty on Climate Science. Washington, DC: Union of Concerned Scientists, Jan.2007.

Scientific Integrity in Policymaking: An Investigation into the Bush Administration's Misuse of Science. Washington, DC: Union of Concerned Scientists reports issued February and July 2004. Available at www.ucsusa.org.

Trouble on "The Endless Frontier:" Science, Invention and the Erosion of the Technological Commons. Washington, DC: Published jointly by the New America Foundation and Public Knowledge, May 2002.

"A Perilous Path to Security? Weighing U.S. 'Biodefense' Against the Risk of Qualitative Proliferation," with Laura Reed, in Susan Wright (ed.), *Biological Warfare and Disarmament: New Problems/New Perspectives*. Lanham, MD: Rowman & Littlefield, 2002.

Environmental Science: Ecosystems. Paramus, New Jersey: Globe Fearon, 1995. Contributed six case studies introducing each section of this environmental textbook.

Biohazard: How the Pentagon's Biological Warfare Research Program Defeats Its Own Goals. Washington, DC: Center for Public Integrity, 1993.

"Toxic Travels," in Sonia Shah (ed.), *Between Fear and Hope*. Baltimore, MD: Fortkamp Publishing Co., 1992.

"New Forms of Biological Warfare?" (with Dr. Richard Novick), in Susan Wright (ed.), *Preventing a Biological Arms Race*. Cambridge, MA: MIT Press, 1990.

"Judging Juries," in 1992 *Information Please Almanac*. Boston, MA: Houghton Mifflin, 1991.

"Down in the Dumps," in Sarah J. Morgan (ed.) *The Endangered Earth: Readings for Writers*. New York: Allyn and Bacon, 1991.

"Funeral for a Reactor," in *Popular Science Annual*. Danbury, CT: Grolier, 1990.

MAGAZINE AND JOURNAL ARTICLES

(listed alphabetically by publication):

The Atlantic:

"The Environment: Toxic Responsibility," (with S. Pollack) Vol. 263 No.3, March 1989.

Bioscience:

"Funding for Biological Weapons Research Grows Amidst Controversy," Vol.37 No.6, June 1987.

"Seeds of Controversy," (Cover Story), Vol.36 No.10, November 1986.

Bio/Technology:

"Who is Protecting the Public's Health?" (with Nachama Wilker), September 1986.

Boston:

"The Ghost of Fat Man: Fifty Years After a Beverly Factory Processed Uranium for the First Nuclear Weapon, Radioactive Waste Still Haunts the North Shore Town," (with Dan Grossman), March 1993.

"Toxic Secrets: Closing Watertown's Army Arsenal," (with Dan Grossman), November 1989.

Boston Globe Sunday Magazine:

"Welcome to Boston: Today's Goods and Services Often Find Surprising Routes Into the City," (with Dan Grossman), April 18, 1993.

"Toxic Time Bomb," (Excerpt from *The Threat at Home*), April 5, 1992.

"A Tree Dies in Boston," (with Dan Grossman), May 12, 1991.

"The Price of Power: Examining the Hidden Cost of New England's Demand for Energy," (with Dan Grossman), August 26, 1990.

Chronicle of Higher Education:

"We Need New Ways to Own and Share Knowledge," (Essay), February 19, 1999.

Computer Graphics World:

"Virtual Reality Goes to School," Vol. 22, No. 3, March 1999.

"Digital Antiquities," Vol. 21, No. 11, November 1998.

Discover:

"A Case of Nerves: The U.S. Army's Destruction of its Chemical Weapons Stockpile," (with Dan Grossman), November 1993.

"Down in the Dumps: Excavating the Nation's Landfills," (with Dan Grossman), April 1990.

"A Nuclear Dump: The Experiment Begins," (with Dan Grossman), March 1989.

E: The Environmental Magazine:

"Operation Restore Earth: The U.S. Military Gets Ready to Clean Up After the Cold War," March/April 1993.

Earth:

"The Biosphere Below: Microorganisms Deep Below the Earth's Surface Yield Clues about the Origins of Early Life," (with Dan Grossman), June 1995.

"Earthly Attractions: New Findings Suggest Turtles and Other Mammals Read Earth's Magnetic Field Like a Map," (with Dan Grossman), February 1995.

"Verdict at Yucca Mountain: Will America's Nuclear Waste Dump Be Safe?" (with Dan Grossman), March 1994.

Garbage:

"Their Low-Level Best?: The Troubled Search for a Final Resting Place for Low-Level Waste," (with Dan Grossman), December/January 1993.

Genewatch:

"A View from the Farm: A Vermont Dairy Farmer Speaks Out on the Implications of Bovine Growth Hormone," (Interview), March 1991.

"New Forms of Biological Warfare?" (with Richard Novick), December 1990.

"Environmental Release of Genetically Engineered Organisms: Recasting the Debate," (Cover Story: credit as co-author), March-June 1988.

In These Times:

"High-Tech Workplace is Laced with Toxics and Tort Cases," August 20-September 2, 1986.

"Recombinant Roulette," (Cover Story), April 16-22, 1986.

Index on Censorship:

"Poisonous Defenses," Vol.18 No.s 6&7, July/August 1989.

Longevity:

"Minefield in the Heartland: Exposing America's Worst Polluter," October 1992.

Los Angeles Times:

"Scientists Trying to Sniff Out Secrets of the Sense of Smell," Science/ Medicine Section, July 25, 1988.

Message (Germany):

"Science Under Siege in the Bush Administration," September 2007.

Minnesota Medicine:

"The Patent Profusion: Staking a Claim on Medical Knowledge," (Cover Story), Vol. 82, September 1999.

Nature:

"University-Industry Collaboration: Questions on Drug Pact," (350;645), April 25, 1991.

"Radioactive Waste: Michigan Faces Disposal Ban," (348;475), December 6, 1990.

"Portrait of a Dinosaur," (Book Review) (348;362-3), November 22, 1990.

"Radiation Exposure: Lower Dose Limits," (with Peter Aldhous), (348;274), November 22, 1990.

"Science Education: Texas Votes for Evolution," (348;271), November 22, 1990.

"Shoreham Nuclear Plant: Saddam to the Rescue?" (348;270), November 22, 1990.

"Nuclear Waste: Military Going Underground," (348;185), November 15, 1990.

"Nuclear Weapons: US Halts Plutonium Processing," (347;701), October 25, 1990.

"Epidemiology: Cancer around Nuclear Plants," (347;604), October 18, 1990.

"US University Overheads: Stanford Argues Over Costs," (347;219), September 20, 1990.

"Nuclear Plants: Damages for Residents," (340;255), July 27, 1989.

"Shoreham Nuclear Plant Goes for a Dollar," (340;83), July 13, 1989.

"Greenhouse Effect: Researchers Still at Odds," (with Alun Anderson), (339;570), June 22, 1989.

"Cambridge First with Local Animal Rights Law," (339;496), June 15, 1989.

"Rancho Seco Nuclear Plant Voted Shut," (339;499), June 15, 1989.

"Massachusetts Set to Crush Polluters," (339;413), June 8, 1989.

"Daunting Costs for Clean-up at Hanford Nuclear Site," (339;241), May 25, 1989.

- "Disposal Plan for Old Military Reactors," (339;90), May 11, 1989.
- "Reactors in Wonderland," (339;90), May 11, 1989.
- "Microbiologist Butt of Protests," (339;6), May 4, 1989.
- "Presidential Advisor Named," (with Alun Anderson), (338;693), April 27, 1989.
- "Municipal Animal Rights Law on its Way," (338;534), April 13, 1989.
- "Nuclear Plant Operators to Cooperate," (338;452), April 6, 1989.
- "Proliferation of Nuclear Subs," (with Ricardo Neto), (338;452), April 6, 1989.
- "Hope for the U.S. Nuclear Industry?" (338;368), March 30, 1989.
- "Legacy of Three Mile Island," (338;190), March 16, 1989.
- "MIT Studies Relations with Lincoln Laboratory," (338;193), March 16, 1989.
- "Risen Phoenix Bites Dust Again," (338;105), March 9, 1989.
- "Shoreham Plant to be Revived?" (338;3), March 2, 1989.
- "Unproved AIDS Drug is Made Available for Limited Use," (337;493), February 9, 1989.
- "US Science Literacy Could be Better," (337;491), February 9, 1989.
- "Harvard Group to Teach Soviet Diplomats," (337;396), February 2, 1989.
- "Tearing Down Nuclear Plant Presents Unique Problems," (337;297), January 26, 1989.
- "'Virus-Proof' Computer Security System," (337;5), January 5, 1989.
- "First US Patent for Superconductors," (336;607), December 15, 1988.
- "National Institutes of Health Stop Harvard Researchers' Grants," (336;507), December 8, 1988.
- "Greater Awareness of Security in Aftermath of Computer Worm," (336;301), November 24, 1988.
- "Harvard University Attacked Over Ties with Industry," (336;298), November 24, 1988.
- "Sakharov Visits, US to Launch International Group," (336;191), November 17, 1988.
- "Networked Computers Hit by Intelligent 'Virus'," (with Joe Palca) (336;97), November 10, 1988.
- "Mexican Reactor Goes on Line," (336;4), November 3, 1988.
- "Conflict of Interest over Harvard Drug," (335;754), October 27, 1988.
- "FDA Urged to Review Wonder 'Smokeless' Cigarette for Safety," (335;483), October 6, 1988.
- "SDI Chief Quits as Funds are Cut," (335;481), October 6, 1988.
- "Harvard Officials in Struggle against Union Representation," (335;389), September 29, 1988.
- "US 'Hands-Off' Forest Policy Challenged by Yellowstone Fire," (335;289), September 22, 1988.
- "Harvard Starts Own Marketing Venture at 'Arms Length'," (335;291), September 22, 1988.
- "Changing Relationship Seen in New Corporate-University Ties," (335;106), September 8, 1988.

"Presidential Candidates Find a Little Time for Science," (with Alun Anderson), (334;639), August 25, 1988.

"Companies to Pay in Toxic Clean-Up Accord," (334;461), August 11, 1988.

"The US Military's Environmental Record Under Fire from Congress," (333;591), June 16, 1988.

"SDI an Imperfect Shield says Congressional Agency," (333;589), June 16, 1988.

"Shoreham Nuclear Power Plant Shuts, Seabrook Stumbles," (333;588), June 16, 1988.

"Spill Raises Questions about Radioactive Materials in US," (333;200), May 19, 1988.

"Conflicting Views on Safety of Bioweapons," (333;195), May 19, 1988.

"Planet Earth Becomes Target for International Space Year," (333;107), May 12, 1988.

"Funding Needed for Private Enterprise in Genome Sequencing," (332;387), March 31, 1988.

"Army Renews Controversial Plans for Biological Warfare Laboratory," (331;647), February 25, 1988.

"More Woes for New England's Beleaguered Nuclear Power Plant," (331;472), February 11, 1988.

"Massachusetts Adopts a Model Radwaste Law...At Long Last," (330;682), December 24, 1987.

Nuclear Times:

"Toxic Travels: Inside the Military's Environmental Nightmare," (Cover Story), Autumn 1990.

Parade:

"The Man Who Would Be a Computer," [profile of computer scientist Steve Mann], June 2, 1996.

"Are You a Problem Solver?: Inventor Jerome Lemelson Challenges Young People to Learn About Invention and Innovation," May 5, 1996.

"How the Tree Musketeers Grew and Grew," [Profile of the first kid-run nonprofit organization in the United States], April 21, 1996.

"Can This House Save the Planet?: New Buildings Take Off With Recycled Materials," (Cover Story), March 3, 1996.

"They Hunt for Heroes: How the Giraffe Project is Making a Difference," September 17, 1995.

"Once a Bottle, Now a Blanket: Plastic Recycling Becomes Big Business," May 28, 1995.

Popular Science:

"The Dream of Personal Flight," (Cover Story), August 2002.

The Progressive:

"The Nuclear-Waste Gamble," (with Dan Grossman), Vol.52 No.12, December 1988.

"Poisons from the Pentagon," (Cover Story), Vol.51 No.11, November 1987.

Rolling Stone:

"Over There: The U.S. Military's Toxic Reach," (co-authored), November 28, 1991.

Science for the People:

"Rancho Seco and Shippingport Nuclear Power Plants: One Dead, One Buried," Vol.21 No.2, May/June 1989.

"Pollution and the Pentagon," (Cover Story, with Stephanie Pollack), Vol.19 No.3, May/June 1987.

"Kicking the Military Habit," Vol.18 No.5-6, November/December 1986.

"Freeze on Frostban: Chilly Reception for Biotech Field Test," Vol.18 No.3 May/June 1986.

"Stopping Star Wars," (Cover Story), Vol.18 No.1 January/February 1986.

"Emerging Technologies: Toward a Blueprint for Action," Vol.17 No.3, May/June 1985.

The Sciences:

"Patent Absurdities," Vol. 39, No. 1, January/February 1999.

The Scientist:

"MIT-Industry Program Under Siege," (Cover Story with Alan Cooperman), Vol.3 No.18, September 18, 1989.

"MIT Brain and Cognitive Sciences Department Revolutionizes Psychology," (with John Rubin), Vol2 No.11, June 13, 1988.

"Cambridge Bans Use of Two Toxicity Tests," Vol.1 No.14, June 1, 1987.

"Physicist's Fast for Peace Stirs his Colleagues," Vol.1 No.12, May 4, 1987.

"Biological Warfare Case May Affect Other R&D," Vol.1 No.9, March 23, 1987.

"Firms Battle in Court Over Safety of Vaccine," Vol.1 No.7, February 23, 1987.

"Military Spending Spurs Interest in Research on Biological Weapons," (Cover Story), Vol.1 No.3, December 15, 1986.

Smithsonian:

"When a Nuclear Reactor Dies, \$98 Million is a Cheap Funeral," Vol.20 No.7, October 1989.

Technology Review:

"Patent Pileup Worsens," May/June 2006.

"Full of (Soy) Beans," (Column), September 2003.

"Thinking Like a Virus: the success of a global research network in identifying the SARS pathogen," (Column), July-August 2003.

"A Painful IP Ruling," (Column), June 2003.

"The Vision Thing," (Column), May 2003.

"Big Ivory Takes License," (Column), April 2003.

"Going After Mom and Pop," (Column), March 2003.

"The Weakening Links," (Column), February 2003.

- "A Dose of Common Sense," (Column), December 2002.
- "Freeing Mickey Mouse," (Column), November 2002.
- "Frisbee's Marketing Wind," (Column), October 2002.
- "The Flight that Tamed the Skies: One Man Single-Handedly Launched the United States into the Age of Modern Flight and his Last Name Wasn't Wright," September 2002.
- "Of Oncomice and Men," (Column), September 2002.
- "When Patenting Works," (Column), July-August 2002
- "Science Goes Medieval," (Column), June 2002.
- "Attack of the Zombie Rembrandts," (Column), May 2002.
- "New O.J. Trial: Recipe for Disaster," (Column), April 2002.
- "Intellectual-Property Ecology," (Column), March 2002.
- "Protecting People above Patents," (Column), January-February 2002.
- "Doctors without Patents," (Column), December 2001.
- "The Morphing Patent Problem," (Column) November 2001
- "Content Discontent," (Column) October 2001.
- "The Green-Back Revolution," (Column), September 2001.
- "Patent Pollution," (Column), July 2001.
- "Looting the Library,"(Column), June 2001.
- "PB&J Patent Punch-Up," (Column), May 2001.
- "In Africa, Patents Kill," (Column), April 2001.
- "IP's Bleak House," (Column), March 2001.
- "Populist Power Tools," (Column), January 2001.
- "Toward Sharing the Genome," September 2000. [Finalist for National Magazine Award, Public Interest Category, 2001.]
- "Software Patents Tangle the Web," March 2000.
- "Cashing in on Medical Knowledge," March-April 1998.
- "Wonder Thread: Mussel's Byssal Threads," January-February 1998.
- "Tracking Sootprints," October 1997.
- "Have Lab, Will Travel," [laboratory techniques in biomedical sciences], May-June 1997.
- "A Researcher's Conviction," [Petr Taborsky], February-March 1997.
- "Unlocking the Legacies of the Edison Archives,"(Cover Story), February-March 1997.
- "Code Name: Corona—Forty Years Later, the Engineers of the World's First Spy Satellite Can Tell Their Story," (Cover story), October 1996.
- "Rails to Trails,"[Abandoned rail lines across the nation are turning into recreational parks], October 1996.

- "Curbside Commodities," [Recycled materials have joined cotton and pork bellies as a commodity on the Chicago Board of Trade], August-September 1996.
- "A Microgram of Prevention," [Understanding FDA's decision to fortify grain with folic acid], July 1996.
- "Lyme Disease: A new and Novel Vaccine," April 1996.
- "Brighter, Whiter Lights," [The Department of Energy embraces a new sulphur-based lighting technology], January 1996.
- "Patent Medicine: After 200 Years, the U.S. Patent Office Needs a Dose of Re-invention," November-December 1995.
- "The National Labs Unplugged?," October, 1995.
- "Preventing Genetic Discrimination," [California passes a law protecting people against genetic discrimination in health or life insurance], July 1995.
- "High-Tech Help for the Nearsighted," [Laser technology aims to cure myopia], April 1995.
- "Recycled Architecture," [Reviews an explosion in the use of recycled materials in residential building], January 1995.
- "Underwater Wildlife Sanctuaries," [Describes an innovative proposal to safeguard fish species], November/December 1994.
- "Digital Museums," [Many of the world's major museums venture onto CD-Rom format], November/December 1994.
- "A New King Cotton?," [A broad patent on genetically engineered cotton and its potential implications], July 1994.
- "Doing Science Justice in the Courtroom," [New rules proposed about the use of experts in the courtroom], April 1994.
- "Nuclear Reactors: The High Cost of Early Retirement," January 1994.
- "Risky Reactors," [Chernobyl-style reactors throughout the former Soviet Union pose a safety hazard that is growing], August/September 1993.
- "Nurturing Native Tongues," [Efforts to catalogue dying languages], May/June 1993.
- "A Treasure Trove of [Epidemiological Health] Data from East Germany," February/March 1993.
- "Plotting Revolutions in Electricity Storage," [Flywheel batteries offer new potential for electricity storage], November/December 1992.
- "Pay-Per-View Libraries," [Libraries confront the emerging information industry], October 1992.
- "Waiting Game for Nuclear Waste," August/September 1992.
- "Hay Fever Harvest," [Some farmers find a lucrative crop in pollen for study of allergies], May/June 1992.
- "Venomous Pursuit," [Spider venom is opening new research avenues in fighting strokes], January 1992.

- "(Artificial) Germ Warfare," [Computer viruses are explored by the U.S. Military], October 1991.
- "Judging Juries," [Re-evaluating impartiality in jury selection], February/March 1991.
- "Bomb Burning in the Pacific," [The U.S. Military's ill-fated efforts to destroy its chemical arsenal], October 1990.
- "Freedom of Information in the Computer Era," [Reviews calls for retaining full public access to government documents in the computer age], July 1990.
- "Paradise Refound," [Archaeological dig in Micronesia], February/March 1990.
- "Micro Magic," [New Microscopy technologies reviewed], November/December 1989.
- "Controlling Risk in Biotech," (with Sheldon Krinsky, et al.), Vol.92 No.5, July 1989.
- "Mission to Earth," [Earth observation a new focus of space enthusiasts], November/December 1988.
- "Banana Neurons," [Scientists are beginning to unlock the mysteries of the sense of smell], August/September 1988.
- "Mr. Wizard's Wetenschapswinkel," [A review of so-called "Science Shops" in the Netherlands], July 1988.
- "Biological Research and Military Funding," April 1987.
- "Who Needs Mousetraps?" [Exploring the controversy over animal testing], November/December 1986.
- "Overexposed in Albuquerque," [A toxic tort case in New Mexico reviewed], July 1986.
- "Biotech Mayhem," [Reports on the first biotechnology field test in the United States], May/June 1986.

Time:

- "The Last of the Closet Issues," (credit as reporter), Health and Fitness Section, October 6, 1986.
- "The Boss That Never Blinks: Companies Put Workers on the Spot by Using Computer Supervisors," (credit as reporter), July 28, 1986.

The Times (of London):

- "Science Report: The Long-Forgotten Botanist," (with Alun Anderson), August 13, 1988.

Xconomy.com:

- "Two Patent-Related Scourges Addressed," September 5, 2007.
- "Can Harvard Match MIT at Tech Transfer?" July 24, 2007.
- "High-Court 'Common Sense' Decision Portends Big Changes for High-Tech Patenting: Many Existing Patents at Risk," July 9, 2007.

OTHER PUBLICATIONS/MEDIA:

Selected In-House or Consultative Documents:

"Global Links: Communications Technologies Today and Tomorrow," [Development report for the Standing Telecommunications Exhibit], Museum of Science and Industry, Chicago, IL, 1991.

"Legocom: The Office of the Future," [In-house report as a consultant on technological trends in the workplace], Steelcase Corporation, Grand Rapids, MI, 1987.

Research at New England Medical Center, [Book-length compendium of ongoing research at the medical institution], (credit as senior writer), New England Medical Center, Tufts University, Boston, MA, 1986-7.

Selected Radio Documentaries:

"Disposing of High-Level Nuclear Waste," (co-producer), aired internationally on Monitor Radio, April 9, 1994.

"On the Manhattan Project's Radioactive Trail," (co-author and co-producer), three-part series aired internationally on Monitor Radio, May 1993.

Film Documentaries:

"Night Life," 1984. Co-director, Co-producer; broadcast on PBS station WGBH in Boston, December 11, 1984.

"Jakes Place," 1982. Co-director, Co-producer; broadcast nationally on PBS, Fall 1982.

SELECTED LECTURES AND MEDIA APPEARANCES:

May 21, 2007: "Gene Patenting: Upstream without a Paddle," paper presented at "Who Owns Your Body?" Conference, Chicago-Kent School of Law, Chicago, IL.

February 21, 2007: "Undermining Science," hour-long lecture, Cambridge Forum, Cambridge, MA. Video and audio versions available online at: <http://forum.wgbh.org>.

February 7, 2007: "Undermining Science," hour-long talk at Politics &Prose Bookstore, Washington, DC. Video available at: www.fora.tv.

February 15, 2006, "Did Bell Steal the Telephone?" Dibner Seminar, Dibner Institute for the History of Science and Technology, MIT, Cambridge, MA.

February 3, 2006: "Writing about Science and Politics," MIT Graduate Writing Seminar, Cambridge, MA.

April 13, 2005: "Climate Change and Politics," panel moderator, BioVision 2005, conference, Lyon, France.

March 8, 2005, "Covering The Bush Administration's Handling of Science," Boston University Center for Science and Medical Journalism, Boston, MA.

- November 9, 2004: "Undermining Science in the Bush Administration," Faculty Lunch Seminar, Smith College, Northampton, MA.
- December 21, 2003: "The Race for Flight: Glenn Curtiss and the Wright Brothers," Interview with Liane Hansen on NPR's "Weekend Edition." Audio available at www.npr.org
- September 25, 2002: NPR "All Things Considered." Interview in piece by Dan Charles about Glenn Curtiss and *Unlocking the Sky*. Audio available at www.npr.org.
- September 6, 2002: Half-hour interview with Seth about *Unlocking the Sky* on WNYC's "Leonard Lopate Show."
- August 20, 2002: Ten-minute segment about *Unlocking the Sky* on WBUR's "Here and Now."
- July 13, 2000: "Whose Genes?" Television appearance on KTEH/PBS series, "Uncommon Knowledge."
- April 10, 2000: "Patenting Run Amok," Discussion of *Owning the Future* on WBUR's "The Connection."
- February 15, 2000: "Intellectual Property in a Web-based Economy," Thomson Scientific/ Derwent Debate, London, England. Related transcript available at <http://scientific.thomson.com>.
- June 2, 1999: "Beyond Biology: Regulating Ownership in a Knowledge-based Economy," Issues for the Millennium Conference, Boston University.
- March 5, 1999: "Patents and Intellectual Property," Guest on NPR's "Talk of the Nation, Science Friday." Audio available at: www.sciencefriday.com.
- January 15, 1993: "Tracking the U.S. Military's Environmental Problems, lecture at University of Hawaii, Spark Matsunaga Institute for Peace.
- November 11, 1992: "The Toxic Legacy of the U.S. Military," Interview on WHY/NPR's "Fresh Air."
- November 4, 1992 "The Threat at Home: Confronting the Toxic Legacy of the U.S. Military," Interview on WAMU/NPR's "The Diane Rehm Show."
- March 8, 1992: "International Security: The Environmental Dimension," Education for Public Inquiry and International Citizenship (EPIIC) Conference, Tufts University.