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EDUCATION

- 1990 Ph.D. Graduate Special Program in Geological Research and History of Science,
Stanford University, Stanford, California, USA.
- 1981 B.Sc. First Class Honours, Mining Geology.
The Royal School of Mines, Imperial College, University of London, England.

EMPLOYMENT

- Spring 2010 Francis Bacon Visiting Professor of History, California Institute of Technology.
- 2008- Provost, Sixth College, University of California, San Diego
- 2005- Professor, Department of History & Program in Science Studies
Adjunct Professor of Geosciences (from 2007)
University of California, San Diego
- 2003- 2006 Director, Science Studies Program, University of California, San Diego.
- Autumn, 2001 Visiting Associate Professor, Department of History of Science, Harvard
University
- 1998- 2005 Associate Professor, Department of History & Program in Science Studies
University of California, San Diego
- 1996-98 Associate Professor, History and Philosophy of Science
Gallatin School of Individualized Study, New York University
- 1991-96 Assistant Professor of Earth Sciences and Adjunct Asst. Professor of History
Dartmouth College, Hanover, New Hampshire.
- 1990-91 Visiting Asst. Professor of Earth Sciences and Visiting Asst. Professor of History
Dartmouth College, Hanover, New Hampshire
- 1984-89 Research Assistant, Geology Department, and Teaching Assistant, Depts. of
Geology, Philosophy, and Applied Earth Sciences Stanford University.
- 1981-84 Geologist, Western Mining Corporation, Adelaide, Australia.

MAJOR HONORS

Francis Bacon Award in the History and Philosophy of Science and Technology, Francis Bacon Foundation and Caltech, 2009.

UCSD Chancellors Associates Faculty Excellence Award for Community Service, 2008

Scripps Institution of Oceanography, Teacher of the Year –Finalist, 2008

American Association for the Advancement of Science, Fellow, 2007

George Sarton Award Lecture, American Association for the Advancement of Science, 2004

American Philosophical Society, Sabbatical Fellowship, 2001-2002.

National Science Foundation Young Investigator, 1994-1999.

National Endowment for the Humanities, Fellowship for University Teachers, 1993-94.

Society of Economic Geologists, Lindgren Prize for outstanding work by a young scientist, 1993.

Ritter Memorial Fellowship in History of Marine Sciences, Scripps Inst. of Oceanography, 1994.

Who's Who in America, Who's Who in American Science & Engineering, Who's Who in the West.

OTHER HONORS AND AWARDS

- **FACULTY:** UCSD Humanities Center Fellowship, Autumn 2005; *Choice Magazine* Outstanding Academic Titles, 2003, and *Library Journal* “Best Science and Technology Books of 2002,” for *Plate Tectonics: An Insider's History of the Modern Theory of the Earth*; History of Science Society, Women in Science Best Paper Prize, 2000; Forum for the History of Science in America, Best Paper Prize, 1997; Geological Society of America 29th International Geological Congress Travel Grant, Kyoto, Japan, 1992.
- **GRADUATE:** Mellon Foundation New Directions Fellowship to “encourage fresh contributions of knowledge and curricular activities [in] the arts and sciences,” Stanford University, 1988-1989; Geological Society of America, Penrose Grant, 1987; Chevron Fellowship, Stanford University, 1984-1986.
- **UNDERGRADUATE:** Imperial College, Watts Medal (Geology), 1981; University of London Sir Henry Miers Mineralogy Prize, 1981; Royal Society of Arts (London) Silver Medal for Scholarship and Service, 1981; Imperial College Geology Department Jonathan Callaghan First Year Prize, 1979.

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science; American Geophysical Union; Geological Society of America (Fellow); Geological Society of London; Society of Economic Geologists;

History of Earth Sciences Society; History of Science Society; International Commission for the History of Geology.

EXPERT TESTIMONY

U.S. Senate, Committee on Environment and Public Works, Washington, D.C., December 6, 2006, <http://epw.senate.gov/epwmultimedia/epw120606.ram>

U.S. Nuclear Waste Technical Review Board, U.S. Nuclear Waste Technical Review Board, “Developing a Repository Safety Strategy With Special Attention to Model Validation” Washington, D.C., September 14, 1999. <http://www.nwtrb.gov/meetings/990914.pdf>.

California State Senate, Select Committee on Government Oversight, Sacramento, California., 31 January 2001, Hearings on Gender Equity in the University of California.

MEDIA APPEARANCES

WGBH television, “A Science Odyssey: Origins,” aired nationwide on January 15, 1998.

UCSD television, “Guestbook” interview with Dr. Helen Caldicott, April 21, 1999.

KPBS radio, San Diego, “These Days,” with Tom Fudge, March 8, 2001.

InTeleCom Video, “The Endless Voyage: Exploring the Marine Environment,” A teleweb course on oceanography, 2003, aired on PBS affiliates in January 2004.

KLSD radio, San Diego, “Air America” with Craig Elsten, December 11, 2004; and October 23, 2005.

Voice of America, “Nightline Africa” with Joe DeCapua, January 2, 2005.

WCCO Radio (Minneapolis), Live with Jack Rice, June 9, 2005.

Voice of America, “Talk to America” with Doug Bernard, November 28, 2005.

UCSD Television Interview with Chris Mooney, May 2006.

BBC World Service, “The World Today,” taped interview, broadcast Thursday July 20, 2006.

Hawaii Public Radio, KIPO 89.3 FM, “ThinkTech” with Jay Fidell, Wednesday July 26, 2006, and Wednesday February 21, 2007.

Greenlex Town Meeting PodCast, Lexington, Kentucky, Thursday September 21, 2006.

“Ecotalk with Betsey Rosenberg,” KQKE-960AM San Francisco, CA and several dozen affiliates nationwide, September 26, 2006.

Wisconsin Public Radio, Conversations with Joy Cardin (90.7 and 09.9 FM, 970 AM), January 6, 2007

“For the record,” WISC-TV/ My Madison TV 14, CBS Affiliate, Madison, Wisconsin, February 11, 2007; on line at www.c3ktogo.com

BBC World Service, “The World Today,” brief interview, March 15, 2007.

KPBS radio, San Diego, “These Days,” with Tom Fudge, October 8, 2007, Full hour interview with listener calls.

www.ambiente.tv and www.arpacampania.it, link ‘revista’, Interview in Naples, Italy, October 23, 2008

Science Studio Podcast, Arizona State University, April 4, 2008.

Climate Change: Separating Fact from Fiction, WNNT-TV, Huntsville, Alabama, September 24, 2008.

KPBS Radio, San Diego, “These Days” with Tom Fudge, “Science and Politics,” September 29, 2008.

BBC World Service, “The World Today,” brief interview, January 26, 2009.

KGNU National Public Radio, Boulder, CO brief interview in conjunction with the World Affairs Conference, April 5, 2010.

WNYC Radio, The Leonard Lopate Show, May 26, 2010

KPCC, The Patt Morrison Show, June 1, 2010

WORT-FM Perpetual Notion Machine. June 3rd, 2010 also at www.wort-fm.org

Wisconsin Public Radio, The Joy Cardin Show, Interview and listener call-in, June 3, 2010

KSWB-TV Fox News, San Diego, Interview, June 7, 2010.

KPBS Radio “These Days” with Tom Fudge, Interview and listener call-in, June 7, 2010

CW 6- XETV, interview, June 8, 2010

My work on climate science has been widely cited in print media, including *Newsweek*, *The New Scientist*, *United Press International*, *The Seattle Times*, *The New Yorker*, *USA Today*, *Parade*, *The New York Times*, *La Recherche*, *Politiken* (Copenhagen), *Corriere della Sera* (Italy), *The Irish Times*, *The Daily Telegraph*, *The Guardian*, *The Times* (London), and *Reuters*, and featured in the Academy-Award winning film, “An Inconvenient Truth”

I have done numerous podcasts with e-journalists across the country, and several of my lectures are now on YouTube,

PROFESSIONAL ACTIVITIES (selected)

President, History of Earth Sciences Society, 2007-2009

President-Elect, History of Earth Sciences Society, 2005-2007.

Member, American Meteorological Society History of the Atmospheric Sciences Committee, 2008-11.

Member, National Academy of Sciences/National Research Council Committee on the Use of Models in Regulatory Decision-Making, 2004-2007.

Member, Director’s Review Committee, Energy and Environmental Directorate, Lawrence Livermore National Laboratory, 2006-2007.

Member, History of Science Society Executive Council, 2003-2006.

Editorial Boards *ISIS*, 2001- 2004 ; *Reviews of Geophysics* (Associate Editor) 2001-2003; *Earth Sciences History* 1998-2001, *Economic Geology* 1993-1998.

Councillor History of Earth Sciences Society, 1998-1999.

Consultant U.S. National Academy of Sciences, Workshop , “Principles and Operational Strategies for Repository Staging Systems,” September 2001; U.S. Nuclear Waste Technical Review Board, September 1999; U.S. Environmental Protection Agency, Lead Model Validation Project, 1996-1997.

Committees American Institute of Physics, Advisory Committee on History of Physics, 2008-2011; American Association for the Advancement of Science, History Committee, 1996-1999; American Geophysical Union, History Committee, 1996- present; U.S. National Committee on Geology, National Research Council, Member, 1994-96; U.S. National Committee for the History of Geology, National Research Council, Secretary, 1994-96; National Science Foundation, Education and Human Resources Committee of Visitors, 1994-95

Visiting Committee to review Harvard University History of Science Department, Spring 2003, and follow up panel, October 2007.

Panel Member, National Science Foundation *History of Science and Technology*, Spring 2000.

Consulting Historian WGBH, *Lives in Science*, 1999-2001; Oxford Companion to the History of Science 1999-2000; American Institute of Physics Collaboration Project, 1990-1999; WGBH Science Odyssey Series, 1997-1998.

External Examiner Melbourne

Conference Organizer Geological Society of America Penrose Conference: “From the inside and the outside: Interdisciplinary Perspectives on the History of the Earth Sciences.” March 1994.
Seminar Leader Dibner Foundation for the History & Philosophy of Science, Summer Institute 1994.

President De la Beche Club (Imperial College Geological Society), 1979-1980.

UNIVERSITY SERVICE (selected)

University of California

Member, Office of Research Affairs Research Advisory Council (2009-); Member, Center for Marine Biodiversity and Conservation, (2006-) Director, Science Studies Program, (2003 -2006); University Search Committee, Vice Chancellor for Research (2006); UCSD Humanities Center, Executive Committee (2004-2006) ; History Department Representative, Faculty Senate (2003-04); Faculty co-chair, Chancellor’s Advisory Committee on the Status of Women (1999-2001); Member, Vice-Chancellor’s Task Force on Gender Equity (2001); Center for Environmental Research and Training (1999-2003); Scripps Institution of Oceanography Heritage Committee (1999-), Scripps Institution of Oceanography Ritter Fellowship Selection Committee (1999-).

New York University Gallatin Curriculum Committee, 1996-97; College of Arts and Sciences NSF initiative on undergraduate science and math education reform, 1997; Gallatin Dean Search Committee, 1997-98.

Dartmouth College Ethics Institute Faculty Advisor (1994-95); Women in Science Program Faculty Sponsor (1992-93); Women’s Studies Steering Committee (1992-1994); University Seminars: Feminist Inquiry (1990-1995); Two Cultures (1990-1995); Teaching Science (1993-1995); Sloan Foundation Summer Science Teaching Institute (1994); Dartmouth College Committee on Organization and Policy (1996-97).

MANUSCRIPTS, GRANTS, AND PAPERS REVIEWED

Manuscripts, Presses: AGU Press; Johns Hopkins University Press; Blackwell Press; University of Chicago Press; University of California Press.

Manuscripts, Journals: Ecological Modeling; Geology; Economic Geology; ISIS; History of Earth Sciences; Hyle; Mineralium Deposita; International Association on the Genesis of Ore Deposits; Science; Nature; Science Communication; Science and Public Policy

Grants: National Science Foundation (Geochemistry and Petrology, Science and Technology Studies, Instrumentation and Facilities, and Education and Human Resources); National Endowment for the Humanities; National Environment Research Council (U.K.); Social Sciences and Humanities Research Council of Canada.

Papers for National Meetings: Geological Society of America.

SPONSORED RESEARCH I: History and Philosophy of Science

Title: Assessing Assessments: **Historical and Philosophical Study of Scientific Assessments for Environmental Policy in the Late 20th Century**

Funding agency: National Science Foundation (number not yet confirmed)

Duration of Support: 2009-2011.

Title: Climate, Technology and Culture: Providing Content and Context in Undergraduate Global Climate Education

Funding agency: NASA: Global Climate Change Education Program.

Duration of Support: 2009-2011.

Title: IGERT: Global Change, Marine Ecosystems, and society (Grant Pending, Submitted Fall 2008), Co-PI with Richard Norris (PI), Jeremy Jackson, Dale Squires, Joel Watson, co-PIs. (\$3,191,896)

Funding agency: National Science Foundation DGE 09-03551

Duration of Support: 2009-2014

Title: Doctoral Dissertation Research: Harold Urey: Scientist, Atheist, and Defender of Religion (with graduate student Matthew Shindell).

Funding Agency: National Science Foundation, SES 08-48435.

Duration of support: 2008-2010.

Title: Doctoral Dissertation Research: "The Bravo Medical Program: Radiation Standards, Scientific Uncertainty, and the Legacy of the Cold War, 1954-the Present" (with graduate student Laura Harkewicz).

Funding agency: National Science Foundation, SES 08-22480

Duration of Support: 2008-2010.

Title: Conference and Workshop Support: Models and Prediction: A Research Workshop, University of California, San Diego; May 26-28, 2006,

Funding agency: National Science Foundation, SES 05-51355

Duration of Support: 2006

Title: Proof, Persuasion, and Policy: A Research and Training Grant for the UCSD Science Studies Program

Funding agency: National Science Foundation: SES 03-49956

Duration of Support: 2004-2009

Title: A Historical Analysis of the Collapse of Pacific Groundfish: U.S. Fisheries Science, Development, And Management, 1945-1995

Funding agency: California Sea Grant/ National Oceanic and Atmospheric Agency

Duration of Support: 2004-2006

Title: The Military Roots of Basic Science: American Oceanography in the Cold War and Beyond

Funding agency: National Science Foundation, SBE 01-15260

Duration of Support: 2002-2004.

Title: Sabbatical Fellowship
Funding agency: American Philosophical Society
Duration of Support: Spring 2002.

Title: National Science Foundation Young Investigator Award for Geology and History of Science.
Funding agency: National Science Foundation EAR 93-57888, EAR 97-96022
Duration of Support: 1994-1999. (Awarded 1993).

Title: Acquisition of cathodoluminescence, spectrophotometry, and microsampling capabilities for the study of large-scale ore-forming systems.
Funding agency: National Science Foundation, EAR 93-17213.
Duration of support: 1994-1996.

Title: The Rejection of Continental Drift.
Funding agency: National Science Foundation, SBE 92-22597.
Duration of support: April 1994-June 1995.

Title: The Rejection of Continental Drift.
Funding agency: National Endowment for the Humanities, Fellowship for University Teachers
Duration of support: September 1993-April 1994.

Title: Origin of magnetite deposits at El Laco, Chile: An analogue for giant Fe-REE deposits of the Proterozoic? with Research Experience for Undergraduates [REU] Supplements (1993, 1994)
Funding agency: National Science Foundation EAR 92-19887.
Duration of support: 1993-1995.

Title: Sphalerite geochronometry at the Lisheen Zn-Pb deposit, Ireland.
Funding agency: Chevron Corporation of Ireland.
Duration of support: 1992-1993.

Title: Reading materials for innovative approaches to introductory geology.
Funding Agency: New England Consortium for Undergraduate Science Education (NECUSE).
Duration of Support: 1990-1991.

TEACHING ACTIVITIES I. University Courses

University of California Controlling Life; Atomic Age, Atomic Angst (both in Sixth College general education sequence); Science and Technology in the 20th Century; Scientists and Atomic Age; The Darwinian Legacy; Introduction to Science Studies; Gender and Science; Science and Politics of Climate Change; and various graduate seminars in science studies and history of science, and guest lectures in the Center for Marine Biodiversity and Conservation on science and public policy.

New York University The Quest for Knowledge; Origins of the Atomic Age; The Notion of Truth; The Darwinian Legacy; Fate of the Earth.

Dartmouth College *Earth Sciences:* Fate of the Earth; Materials of the Earth; Geochemistry of Ore Deposits; Philosophy of Natural Sciences; *History* Origins of the Atomic Age; *Women's Studies* Sex, Gender, and Scientific Discovery.

TEACHING ACTIVITIES II. Short courses

Vienna International Summer University “Consensus in Science, July 2007 (two week intensive), Vienna Circle Institute, Vienna, Austria.

UCSD Osher Institute (UCSD extension)_Autumn 2006, “Climate Change,” (Five lectures).

Marine Biological Laboratory-Dibner Institute “Oceans and Atmospheres,” May 17-24, 2006.

TEACHING ACTIVITIES III. Graduate Research Advising (Principal advisor)

Elena Aronova, UCSD Ph.D. candidate, expected 2011. “Between Metascience and Politics: Studies of Science in the 1950s-1980s, US, UK, and USSR.”

Krystal Tribbett, UCSD Ph.D. candidate, expected 2011. “RECLAIMing Air, Redefining Democracy: A History of California’s Regional Clean Air Incentives Market, Environmental Justice and Risk 1970 – present.”

Laura Harkewicz, UCSD Ph.D. candidate, expected 2010, “The Character of Radiation Standards: The Bravo Medical Program, Radiobiology, and American Nuclear Policy, 1954 - 2005

Matt Shindell, UCSD Ph.D. candidate, expected 2010. “Harold Urey and the Origins of Planetary Science.”

Minakshi Menon, UCSD Ph.D. candidate, expected 2010, "Imperial Nature, Imperial Culture: British Orientalism, Colonial Policy, and the Making of an Indian Natural History, 1784-1845"

Jesse Richmond, UCSD Ph.D. 2009. “Experts and Australopithecines: Credibility and Controversy in the Study of Human Evolution, 1924-1959,”

Matthew Crawford, UCSD Ph.D. 2009, co-advised with Professor John Marino, European history. “Empire's Experts: The Politics of Knowledge in Spain's Royal Monopoly of *Quina* (1751-1808)"

M. Carmel Finley, UCSD Ph.D. 2008, “The Tragedy of Enclosure: Science, Politics, and Marine Fisheries Policy, 1945-1995.”

Barbara DeFelice, Dartmouth College, Master of Arts, Liberal Studies, (2000) “Geological theory and arctic exploration in the early 20th century.”

Sossity Sheets, Dartmouth M.S. (1997) “Chemistry of fluid inclusions at El Laco, Chile: Implications for ore genesis.”

Maria Bundy, Dartmouth M.S. (1996) “REE content of apatites at Ophir, Colorado: A source of aqueous REEs in acid mine drainage?”

Melody Brown, Dartmouth M.S. (1995) “Geological and numerical analysis of paleofluid-flow in carboniferous Ireland: Developing a genetic model for the carboniferous carbonate-hosted Irish Zn-Pb ores.”

Katherine Bateman, Dartmouth M.A.L.S. (1994). “Built around a uterus: Historical Origins of the ‘Limited Energy Theory’ of Women's Physiology.”

Amy Larson, Dartmouth M.S. (1994), Ph.D. (1996). “Evidence of pneumatolytic processes in the genesis of magnetite deposits at El Laco, Chile.”

Helen Mango, Dartmouth Ph.D. (1992) “Origin of epithermal Ag-Au-Cu-Pb-Zn mineralization on the Veta Madre, Guanajuato, Mexico.”

Victoria Carlson-Foszcz, Dartmouth M.S. (1991) “Mobility of rare earth elements in the Ophir region, San Juan Mountains, Colorado.”

TEACHING ACTIVITIES III. Undergraduate Research Advising (Principal Advisor)

Randall Nicholson, UCSD B.A. Senior Honors thesis (2000). Advisor: “Creating a climate of public opinion in support of the bombings of Hiroshima and Nagasaki.”

Jessica Murray, Dartmouth B.A. Senior Honors thesis (1996). Advisor: “Controls on the use of cathodoluminescence in the study of apatite.” Published as:

- Murray, J. and Oreskes, N., 1997. “Uses and Limitations of Cathodoluminescence in the study of apatite paragenesis.” *Economic Geology* vol. 92, pp. 368-376.

Rachel Roisman, Dartmouth B.A. Senior Fellow Honors Program (1995-96). Advisor: “Victimizing choices? Prenatal sex determination and sex selective abortions in India.”

Rosalie Kaslowki, Dartmouth B.A. Senior Honors thesis (1995). Advisor: “Cathodoluminescence of apatite from El Laco, Chile.”

Sossity Sheets, Dartmouth B.A., Senior Honors thesis (1995) Advisor: “SEM analysis of apatites from El Laco, Chile.” Published as part of:

- Oreskes, N., Rhodes, A.L., Sheets, S. A., and Espinoza, S., 1995. “Evidence for formation of magnetite by metasomatic alteration of host rock andesite: El Laco, Chile, Part I: Field relations and alteration assemblages,” *Geological Society of America Abstracts with Programs*, vol. 27, no. 6, p. A-467.

Jessica Murray, Dartmouth B.A. Dartmouth Presidential Scholar (1994-95) Advisor: “Petrography of iron deposits at El Laco, Chile.”

Keith Rainville, Dartmouth B.A., Honors thesis (1994) Advisor: “Geothermometry of fluid inclusions at El Laco, Chile.” Published as part of:

- Oreskes, N., Rhodes, A.L., Rainville, K., Sheets S., Espinoza, S., and Zentilli, M., 1994. “Origins of magnetite deposits at El Laco, Chile: New evidence from field studies, fluid inclusions, stable isotopes, and fission track dating. *Geological Society of America Abstracts with Programs*, vol. 26, no. 7, p. A-379.

Jeffrey Furr, Dartmouth B.A., Honors thesis (1994) Co-advisor: "Gravity evidence for the sub-surface morphology of magnetite deposits at El Laco, Chile."

Sossity Sheets, Dartmouth B.A., Dartmouth Presidential Scholar (1993-94) Advisor:

"Characterization of fluid inclusions at El Laco, Chile." Published as part of:

- Oreskes, N., Rhodes, A.L., Rainville, K., Sheets S., Espinoza, S., and Zentilli, M., 1994. "Origins of magnetite deposits at El Laco, Chile: New evidence from field studies, fluid inclusions, stable isotopes, and fission track analysis." *Geological Society of America Abstracts with Programs*, vol. 26, no. 7, p. A-379.

David Kaiser, Dartmouth B.A. Waterhouse Research in history of science, published as:

- "More roots of complementarity," *Studies in the History and Philosophy of Science*, 23: 213-239, 1992.
- "Neils Bohr's conceptual legacy in contemporary particle physics," *Neils Bohr and Contemporary Philosophy*, Jan Faye and Henry Folse, eds., pp. 257-268.
- "Bringing the human actors back on stage: The personal context of the Einstein-Bohr debate." *British Journal for the History of Science*, December 1994.

SCHOLARLY WORK: HISTORY AND PHILOSOPHY OF SCIENCE

Books

Oreskes, Naomi, in prep. *Science on a Mission: American Oceanography in the Cold War and Beyond*, under contract to University of Chicago Press.

Oreskes, Naomi and Erik M. Conway, 2010. *Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming*. Bloomsbury Press.

Whipple, Chris et al. (fourteen additional authors), 2007. *Models in Environmental Regulatory Decision Making* (Washington DC: National Academy of Sciences- National Research Council, Board on Environmental Studies and Toxicology , 287 pp.
On line at http://books.nap.edu/catalog.php?record_id=11972

Oreskes, Naomi, ed., with Homer E. Le Grand, 2001. *Plate Tectonics: An Insider's History of the Modern Theory of the Earth* (Boulder: Westview Press), paperback edition February 2003.
[Named by *Library Journal* as one of the "Best Science and Technology Books of 2002," and *Choice Magazine* Outstanding Academic Titles, 2003, and adopted as a core text by ERESE: Enduring Resources for Earth Science Education (<http://earthref.org/ERESE>).

Oreskes, Naomi, 1999. *The Rejection of Continental Drift: Theory and Method in American Earth Science* (New York: Oxford University Press).

Edited Journal Volumes

Oreskes, Naomi and James R. Fleming, eds. 2000. "Perspectives on Geophysics," Special Issue of *Studies in the History and Philosophy of Modern Physics*, 31B, September 2000.

Scholarly book chapters

- Oreskes, Naomi, 2010 (accepted pending revision). "Working with Uncertainty: 'Unitisation and Renegotiation' as a Model for Science and Environmental Policy," in *Quality Control in Scientific Policy Advice*, edited by Peter Weingart, to be published by Cambridge University Press.
- Oreskes, Naomi, 2010. "My facts are better than your facts.: Spreading good news about global warming." In *How do Facts Travel? Edited by Mary S. Morgan and Peter Howlett*, Cambridge University Press, in press.
- Oreskes, Naomi, and Erik Conway, 2008, "Challenging Knowledge: How Climate Science became a Victim of the Cold War," *Agnology: The Making and Unmaking of Ignorance*, edited by Robert N. Proctor and Londa Schiebinger, Stanford University Press, pp. 55-89.
- Oreskes, Naomi, 2007, "From scaling to simulation: Changing meanings and ambitions of models in the Earth sciences," in *Science without Laws: Model Systems, Cases, and Exemplary Narratives*, edited by Angela N.H. Creager, Elizabeth Lunbeck, and M. Norton Wise, Duke University Press, pp 93-124.
- Oreskes, Naomi, 2007, "The scientific consensus on climate change: How do we know we're not wrong?" *Climate Change: What It Means for Us, Our Children, and Our Grandchildren*, edited by Joseph F. C. DiMento and Pamela Doughman, MIT Press, pp. 65-99.
- Munk, Walter, Naomi Oreskes, and Richard Muller, 2004. "Gordon J.F. MacDonald," *National Academy of Sciences Biographical Memoirs* 84: 3-26.
- Oreskes, Naomi, 2003. "The role of quantitative models in science," in *Models in Ecosystem Science*, edited by Charles D. Canham, Jonathan J. Cole, and William K. Lauenroth (Princeton: Princeton University Press), pp. 13-31.
- Oreskes, Naomi and Ronald E. Doel, 2002. "Physics and chemistry of the earth," in *The Cambridge History of Science, Volume V: Modern Physical and Mathematical Sciences*, edited by Mary Jo Nye, (Cambridge: Cambridge University Press), 538-552.
- Oreskes, Naomi, 2002. "Gravity surveys in the 'permanent' ocean basins: An instrumental chink in a theoretical suit of armor," in *Oceanographic History: The Pacific and Beyond*, edited by Keith R. Benson and Philip F. Rehbock (Seattle: University of Washington Press), pp. 502-510.
- Oreskes, Naomi and Kenneth Belitz, 2001. "Philosophical Issues in Model Assessment," in *Model Validation: Perspectives in Hydrological Science*, edited by M.G. Anderson and P.D. Bates (London: John Wiley and Sons, Ltd.), pp. 23-41.
- Oreskes, Naomi, 2000. "Why believe a computer? Models, measures, and meaning in the natural world," in *The Earth Around Us: Maintaining a Livable Planet*, edited by Jill S. Schneiderman (San Francisco: W.H. Freeman and Co.), pp. 70-82.

Oreskes, Naomi, 2000. "Why predict? Historical perspectives on prediction in the earth sciences," in *Prediction: Decision-making and the Future of Nature*, edited by Daniel Sarewitz, Roger Pielke, Jr., and Radford Byerly, Jr. (Washington, D.C.: Island Press), pp. 23-40.

Reprinted as Oreskes, Naomi, 2003. "The changing role of prediction in the earth sciences," in *History and Philosophy of Science for African Undergraduates*, edited by Helen Lauer (Ibadan, Nigeria: Hope Publications), pp. 358-368.

Oreskes, Naomi, 1997. "Testing models of natural systems: Can it be done?," in *Structures and Norms in Science: Volume Two of the Tenth International Congress of Logic, Methodology, and Philosophy of Science*, edited by M.L. Chiara et al. (Dordrecht: Kluwer, 1997) pp. 207-217.

Journal articles

O'Reilly, Jessica, Keynyn Brysse, Michael Oppenheimer and Naomi Oreskes, in review, "Characterizing uncertainty in expert panel assessments," *Wiley Interdisciplinary Reviews: Climate Change*, in review.

Oreskes, Naomi, 2010. "Metaphors of warfare and the lessons of history: Time to revisit a carbon tax?" *Climatic Change*, in press.

Oreskes, Naomi, Leonard Smith and David Stainforth, 2010. "Adaptation to global warming: Do climate models tell us what we need to know?" *Philosophy of Science*, in press, expected publication December 2010.

Aronova, Elena, Karen Baker, and Naomi Oreskes, 2010. "From the International Geophysical year through the International Biological Program to LTER: Big science and big data in biology, 1957-present." *Historical Studies in the Natural Sciences*, 40 (2): 183-224.

Oreskes, Naomi, 2008. "The Devil is in the (Historical) Details: Continental Drift as a Case of Normatively Appropriate Consensus?" *Perspectives in Science* 16 (2): 253-264.

Wang, Zuoyue and Naomi Oreskes 2008. "History of Science and American Science Policy," *ISIS* 99 (2): 365-373.

Oreskes, Naomi, Erik M. Conway, and Matthew Shindell, 2008. "From Chicken Little to Dr. Pangloss: William Nierenberg, Global Warming, and the Social Deconstruction of Scientific Knowledge," *Historical Studies in the Natural Sciences* 38 (1): 109-152.

Oreskes, Naomi, 2004. "The scientific consensus on climate change," *Science* 306: 1686.
Reprinted in *Newsletter of Physicians for Social Responsibility*, December 2004.

Oreskes, Naomi, 2004. "Science and public policy: What's proof got to do with it?," *Environmental Science and Policy* 7 (5): 369-383.

Oreskes, Naomi, 2003. "A context of motivation: U.S. Navy oceanographic research and the discovery of sea-floor hydrothermal vents," *Social Studies of Science* 33 (5): 697-742.

Oreskes, Naomi, 2001. "Getting oceanography done," *Earth Sciences History* 19: 37-43.

Oreskes, Naomi, 2000. "Laissez-tomber? Women's work and military patronage in twentieth century oceanography," *Historical Studies in the Physical and Biological Sciences* 30: 373-392.

Oreskes, Naomi and James R. Fleming, 2000. "Why Geophysics?" *Studies in the History and Philosophy of Modern Physics* 31B: 253-257.

Oreskes, Naomi and Ronald Rainger, 2000. "Science and security before the atomic bomb: The loyalty case of Harald U. Sverdrup," *Studies in the History and Philosophy of Modern Physics* 31B: 309-369.

Oreskes, Naomi, 1998. "Evaluation (not validation) of quantitative models," *Environmental Health Perspectives* 106 (supp. 6): 1453-1460.

Oreskes, Naomi, 1996. "Objectivity or heroism? On the invisibility of women in science," *OSIRIS* 11: 87-113. [Winner of 1997 Forum for the History of Science in America Best Paper Prize and the 2000 History of Science Society Women in Science Prize]

Oreskes, Naomi, 1994. "Weighing the earth from a submarine: The S-21 expedition," in *The Earth, the Heavens, and the Carnegie Institution of Washington: Historical Perspectives after Ninety Years*, Gregory Good, ed., American Geophysical Union History of Geophysics Series 5: 53-68.

Oreskes, Naomi, Kristin Shrader-Frechette and Kenneth Belitz, 1994. "Verification, validation, and confirmation of numerical models in the earth sciences," *Science* 263: 641-646.

Reprinted in *Transactions of the Computer Measurement Group* 84: 85-92.

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Popular articles/ Op-Ed

Oreskes, Naomi and Erik M. Conway, 2010. "Climate Change Denial: A History.," *The New Statesman*, 1 June 2010, on line at <http://www.newstatesman.com/global-issues/2010/05/climate-scientists-science>

Oreskes, Naomi, 2009. "The Scientific Consensus on Climate Change," *Climate Change: Picturing the Science*, edited by Gavin Schmidt and Joshua Wolfe, pp. 153-155.

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- Oreskes, Naomi, 2004. "Undeniable Global Warming," *The Washington Post*, Sunday December 26, 2004, B07.
- Oreskes, Naomi and Bjorn Lomborg, 2004 "Er klimaskeptikere nu domt ude?" [Have climate skeptics been ruled out of bounds?] A debate with Bjorn Lomborg, moderated by Morten Jastrup, *Politiken* (Copenhagen), Sunday, December 5, 2004, p. 2, section 4.
- Oreskes, Naomi, 2004. "A Humanities Policy?" (Forum), *Issues in Science and Technology* Winter 2004: 17.
- Oreskes, Naomi and James Fleming, 2003. "An ill wind blows toward an even more inhospitable climate," *The Los Angeles Times* Commentary Section, Thursday October 30: B17.
- Oreskes, Naomi and Rebecca Oreskes, 2001. "Controlling Nature: Is Science to Blame?" *International Journal of Wilderness* 7 (1): 35-38.
- Oreskes, Naomi, 1998. La lente plongée vers le fond des océans," *Science et Vie* March: 84-90.
- Book reviews, encyclopedia articles, & miscellany (excluding abstracts).**
- Oreskes, Naomi, 2009. "Revelle and Global Warming," response to letter to the editor, @UCSD, *the UC San Diego Alumni Magazine*, 6: 3-4.
- Oreskes, Naomi, 2009. "Rechauffement: La role du soleil," *La Recherche* 427 (Fevrier 2009):
- Oreskes, Naomi, 2008 "The Scientific Consensus on Climate Change," *Climate Change: A Look at the Science*, edited by Gavin Schmidt and Joshua Wolfe, pp. 153-155.
- Oreskes, Naomi, 2007. Henry Melson Stommel, *Complete Dictionary of Scientific Biography*. Vol. 24. Detroit: Charles Scribner's Sons, 2008, p. 527-532.
- Oreskes, Naomi, 2006. "The humanistic and religious foundations of deep time," [Review of *Bursting the Limits of Time* by Martin Rudwick], *Science* 314 : 596-597.
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- Oreskes, Naomi, 1998. "Gender and Scientific Authority," [Review]. *Isis* 89: 522-523.
- Oreskes, Naomi, 1997. "Thinking about the Earth: One way or several?" [Review Symposium]. *Metascience*, New Series Issue 11: 11-15.
- Laporte, Leo F., Naomi Oreskes, and Kenneth L. Taylor, 1994. "Penrose Conference Report: From the inside and the outside: Interdisciplinary perspectives on the history of the earth sciences," *GSA Today* 4 (8): 203-204

- Oreskes, Naomi, 1993. "The Laws of Biology," Letter, *American Scientist* 81: 411.
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- Oreskes, Naomi, 1989. "The Great Devonian Controversy," review of paperback edition, *Historical Studies in Physical Sciences* 19 (part 2): 411-412.

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Journal articles

- Rhodes, A.L., Naomi Oreskes, Naomi, and Sossity Sheets, 1999. "Geology and REE geochemistry of the magnetite deposits at El Laco, Chile." *Economic Geology Special Publication No. 7: Geology and Ore Deposits of the Central Andes*: 299-332.
- Rhodes, A.L., and Naomi Oreskes, 1999. "Oxygen isotope composition of magnetite deposits at El Laco, Chile: Evidence of formation from isotopically heavy fluids," *Economic Geology Special Publication No. 7: Geology and Ore Deposits of the Central Andes*: 333-351.
- Murray, Jessica R. and Naomi Oreskes, 1997. "Use and limits of cathodoluminescence in the study of apatite paragenesis." *Economic Geology* 92: 368-376.
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- Oreskes, Naomi and M.W. Hitzman, 1993. "A model for the origin of 'Olympic Dam-type' deposits," in *Mineral Deposit Modeling*, Geological Association of Canada Special Paper 40: 615-633.
- Oreskes, Naomi and M.T. Einaudi, 1992. "Origin of hydrothermal fluids at Olympic Dam: Preliminary results from fluid inclusions and stable isotopes," *Economic Geology* 87 (1): 64-90.
- Hitzman, M.W., Naomi Oreskes, Naomi, and M.T. Einaudi, 1992. "Geologic characteristics and tectonic setting of Proterozoic Fe-REE deposits," *Precambrian Research* 58: 241-287.
- Mango, Helen, Half Zantop, Half, and Naomi Oreskes, 1991. "A fluid inclusion and isotope study of the Rayas Ag-Au-Cu-Pb-Zn mine, Guanajuato, Mexico," *Economic Geology* 86 (7): 1546-1553.

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Reeve, J.S., R.N. Smith, R.N., K.C. Cross, and N. Oreskes, 1990. "The Olympic Dam copper-uranium-gold-silver deposit," invited contribution to Hughes, Frank, ed., *Geology of Mineral Deposits of Australia and Papua New Guinea*, Australian Institution of Mining and Metallurgy Monograph 14: 1009-1035.

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Oreskes, Naomi, 1998. "Hydrothermal mineral deposits and hydrothermal alteration," *MacMillan Encyclopedia of the Earth Sciences*.

Oreskes, Naomi, 1998. "Metamorphic mineral deposits," *MacMillan Encyclopedia of the Earth Sciences*.

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Oreskes, Naomi, 1993. "Acceptance of the Lindgren Award for 1993," *Economic Geology* 88 (7): 1928-1929.

INVITED LECTURES

"Geology of the Olympic Dam Copper-Uranium-Gold Deposit,"

- U.S. Geological Survey, Branch of Western Mineral Resources, Menlo Park, CA. Jan. 1986.
- U.S. Geological Survey Branch of Central Mineral Resources, Denver, CO. Feb. 1988.
- Peninsula Geological Society, Palo Alto, California, Nov. 1989.
- Geology Department Lecture Series, University of Vermont, Burlington, VT, Nov. 1990.
- Friends of Ore Deposits Lecture Series, U.S. Geological Survey, Reston, VA Nov. 1990.
- Gold Geology of Maar Diatremes, Randol at MinExpo '92, Las Vegas, NV Oct. 1992.

"The Rejection of Continental Drift: Theory and Method in American Earth Science."

- History of Science Society Annual Meeting, Pittsburgh, PA, October 1989.
- Department of Geology, University of Maryland, August 1990.
- Ritter Memorial Lecture, Scripps Institution of Oceanography, March 1994.
- University of California, San Diego, screened on UCSD television station, March 1994.
- University of Washington, Department of Geological Sciences, March 1995.
- University of Oklahoma, Department of History of Science, March 1995.

- Princeton University, Department of Geological Sciences, March 1996.
- Five Colleges Lecture, Smith College, Northampton Massachusetts, February 1999.
- Cascade Volcano Observatory, Portland, Washington, May 2001
- U.S. Air Force Research Laboratory, Hanscom Air Force Base, MA, January 2002.
- Quay-Hebrew Endowed Lecture, Brigham Young University, March 2006.
- 15th Herbert Morowetz Lecture, Polytechnic University, Brooklyn, New York, March 2007.

“From Fact to Theory: American Geological Practice, 1922-1933,”

- Department of History, University of California at Los Angeles, March 1991.
- Department of Earth and Planetary Sciences, Harvard University, May 1991.

“The Right Choice? Historical Perspectives on Women in Science,” invited speaker,
Women in Science Project Kick-Off meeting, Dartmouth College, September 1991.

“Unity, Gender, and the Authority of Science: Case studies from American Geology, 1922-1933,”
Science, Technology and Society Lecture Series, Franklin and Marshall College, Feb. 1992.

“Gravity Surveys in the ‘Permanent’ Ocean Basins: An Instrumental Chink in a Theoretical Suit of
Armor,” invited speaker, Plenary Session, *Continents vs. Oceans in the Earth Sciences
Revolution*, Fifth Intl. Congress on the History of Oceanography, La Jolla, CA, July 1993.

“Objectivity or Heroism? On the Invisibility of Women in Science,”

- Department of Science and Technology Studies, RPI, Troy, NY, Sept. 1993.
- Feminist Inquiry Seminar, Dartmouth College, March 1994;
- University of California, San Diego, Science Studies Program, March 1994.

“Why Believe a Computer? Verification, Validation, and Confirmation of Numerical Models in the
Earth Sciences”

- Scripps Institution of Oceanography, March 1994.
- Dept. of Computer Science and Electrical Eng., George Washington University, Nov. 1994.
- Georgia Institute of Technology, Dept. of Earth and Atmospheric Sciences, April 1995.
- Carleton College, Luce Lecture Series on Human Dimensions of Global Change, Feb. 1996.

“Did Science Kill Nature? Sex, Gender, and the Scientific Revolution,” Dartmouth Alumni
College, August 1994.

“Work or Glory? The Image and Reality of Women in Science” Chancellor’s Advisory Committee
on the Status of Women, University of California, San Diego, Feb. 1995.

“Looking for a Few Good Women: Military Patronage and Scientific Labor at the Scripps
Institution of Oceanography.” U.S. Naval Research Laboratory, Washington, DC, April
1997

“Evaluation (Not Validation) of Quantitative Models.” U.S. Environmental Protection Agency,
Lead Model Validation Workshop, Research Triangle Park, NC, Oct. 1996.

“Truth or Consequence? Trade-offs in Building Computer Models of Complex Natural Systems.”
U.S. Geological Survey, Menlo Park, CA, March 1997.

“When Good Models Turn Out to be False: Sobering Examples from the History of Science,”
Santa Fe Institute, Santa Fe, NM, January, 1998.

“Model Assessment: Where Do We Go from Here?” Keynote speaker, U.S. Environmental
Protection Agency, National Research Center for Statistics and the Environment, Workshop
on Quality Assurance of Environmental Models, University of Washington, Sept. 1999.

“Conceptual Issues in Model Assessment: What can we learn from past mistakes? “

- Los Alamos National Laboratory, Los Alamos, NM, January 2000.
- U.S. Army Conference on Applied Statistics, Houston, TX, October 2000.

“Science and Security Before the Atomic Bomb: The Loyalty Case of Harald Ulrik Sverdrup”

- University of California, Los Angeles, History Department, March 2000
- Oregon State University, Horning Lecture Series, Corvallis, OR., May 2000
- Santa Fe Institute Public Lecture Series, Santa Fe, NM, March 2001
- Physics Department, New Mexico State University, Las Cruces, NM, March 2001
- Caltech Science and Society Lecture Series, Pasadena, CA, June 2001.
- Cornell University, Department of Science and Technology Studies, October 2001.
- Keynote speaker: SOURCE [Symposium on Undergraduate Research and Creative Expression],
Central Washington University, May 2003.
- Penn State University, History Department, January 2005.
- SPAWAR Systems Center, Summer Seminar Series, U.S. Department of Defense, Point Loma,
California, July 2005.

“From Scaling to Simulation: Changing Meanings and Ambitions of Models in the Earth Sciences”

- History of Science Society Annual Meeting, Vancouver, Canada, November 2000.
- Princeton University, Workshop on Models & Model Systems, Princeton NJ, February 2001.
- Harvard University, History of Science Department, Cambridge MA, March 2001.
- Max Planck Institut für wissenschaftsgeschichte, “Digital Workbench” workshop,
Berlin, Germany, December 2001.

“The Rise of Prediction in the Earth Sciences,” Department of Earth Sciences, University of
California, Riverside, January 2001.

“Nuclear Waste Disposal: Bridging the Gap between Science and Policy”

Invited Panelist, Geological Society of America, Reno NV, November 2000

“The Role of Quantitative Models in Science.” Keynote speaker, Cary conference IX:

Understanding Ecosystems: The Role of Quantitative Models in Observation, Synthesis, and
Prediction, Millbrook NY, May 2001.

“From Hydrogen Bombs to Hydrothermal Vents: The Discovery of Black Smokers on the Sea
Floor,”

- Cornell University, Peace Studies Workshop on Science and the Military, October 2001
- Harvard University, History of Science, Physical Sciences Research Group, November 2001
- Penn State University, Program in Science, Technology, and Medicine, January 2002

- Max Planck Institut für Chemie, Mainz, Germany, October 2002.
- Princeton University, History Dept. Workshop on *Science across the Seas*, March 2003.
- Columbia University, Earth Institute, Science, Technology, and Global Development Seminar, March 2003.
- University of Pittsburgh, History and Philosophy of Science Department Colloquium Series, April 2003.
- University of Minnesota, Program in History of Science and Technology, September 2005.
- University of California, Berkeley, May 2006

“Cold War Secrecy and the Development of Plate Tectonics”
GEO2002, Würzburg, Germany, October 2002.

“Proof is over-rated,” Symposium on “The Politicization of Science: Learning from the Lomborg Affair,” American Association for the Advancement of Science, Denver, CO, February 2003.

“Proof, Persuasion, and Public Policy: Three Examples from the History of the Earth and Environmental Sciences;” *London School of Economics Workshop on the Practices of Objectivity in the Natural and Social Sciences*, London, England, October 2003.

“Decision-making under Uncertainty: Is there any other kind?” Keynote speaker, *European Commission Workshop on Science-Society Interfaces*, Milan, Italy, November 2003.

“Consensus in Science: How Do We Know We’re Not Wrong?” *2004 George Sarton Award Lecture*, American Association for the Advancement of Science, Seattle, WA, February 2004.

Also presented at

- UCSD Humanities Center, February 2004
- Department of Petroleum & Geosystems Engineering, University of Texas, Austin, March 2004
- Department of Earth Sciences, University of California, Riverside, California, April 2004
- Department of Geology, University of California, Davis, California, May 2004.
- Rock Ethics Institute, Penn State University, April 2005.
- Department of Geological Sciences, University of Minnesota, September 2005.
- NOAA (National Oceanic and Atmospheric Agency), Silver Spring, Maryland, July 2006.
- “Capital Science Evening,” Carnegie Institution of Washington, March 2007.

“Why There is Always (Some) Dissent in Science (and How to Think About It): A post-Kuhnian model”, European Commission Group of Policy Advisors, Workshop on *Risk, Uncertainty and Dissent: Dealing With “Chancy” Science and “Chancy” Society*, Seville, Spain, June 2004

“From Weather Modification to Climate Change: The Work of Gordon J.F. MacDonald”
International Commission on History of Meteorology, *From Beaufort to Bjerknes and Beyond: Critical Perspectives on Observing, Analyzing, and Predicting Weather and Climate*, July 2004, Weilheim, Germany.

“Writing *Plate Tectonics*”

- Presentations to ERESE (Enduring Resources for Earth Science Education) Summer workshop for high school earth science teachers, Scripps Institution of Oceanography, July 2004 and July 2005.
- Palomar College, San Marcos, California, September 26, 2007.

“Strategies of Dissent over Climate Change”

- London School of Economics, Workshop, *Improving Policy Decisions in Areas of Risk and Scientific Uncertainty*, December 12-13, 2004,
- University of California, San Diego, Patrick Ledden Memorial Lecture Series, February 2005.
- University of California, San Diego, Climate Research Division, June 2005.

“The Misrepresentation of Climate Science.” John F. Kennedy School of Government, Harvard University, Workshop: *Machineries of Representation*, April 8, 2005.

“Deny, Deny, Deny: How to Sow Confusion over Climate Change,” Stanford University, Agnotology: A Workshop on The Cultural Production of Ignorance, October 2005.

“Dissent or Denial: Sorting out the Epistemic and the Political in Climate Change,” Workshop on Contingency and Dissent in Science, London School of Economics, December 2005.

“Reconciling Representations with Reality: Unitization as an Example for Science and Public Policy,” Workshop on Quality Control and Assurance in Scientific Policy Advice, Berlin-Brandenburg Academy of Sciences and Humanities, January 2006

"Science and Public Policy: What's proof got to do with it?" Scripps Institution of Oceanography, Center for Marine Conservation and Biodiversity, August 2006.

“Who’s Confused about Climate Change?”

- 3rd Annual Jack F. Ealy Workshop on Science Journalism, Institute of the Americas, University of San Diego, California, July 2006.
- “Doubt” Seminar, Organized by Professors Martha Minow and Peter Galison, Harvard University, December 6, 2006.

“Media Coverage of Climate Science: Panel Discussion,” Woodrow Wilson Center for Scholars, Washington, D.C., July 2006.

“Opportunities and Opportunism: How Cold War military oceanographers tried (and failed) to become environmental scientists who would resolve the question of global warming.”

- Harvard University, Department of History of Science Colloquium Series, December 5, 2006.
- University of Wisconsin, Madison, Department of History of Science Colloquium Series, February 8, 2007.

“Deflecting Disinformation about Climate Change”

- American Geophysical Union, Union Session, “Communicating Science Broadly,” December 14, 2006.
- U.S. Geological Survey, Menlo Park, California, February 20, 2007.

“The Scientific Consensus on Climate Change: How Do We Know We’re Not Wrong?”
Cal Poly Pomona Campus Forum Distinguished Lecture Series, January 24, 2007

“Cold War Scientists and the Denial of Global Warming,”

- University of Wisconsin, Madison, Department of Geosciences, February 9, 2007.
- Stanford University, Woods Institute for the Environment, Stanford, California, February 20, 2007.
- Department for History, Philosophy and Theory of Science, Roskilde University, Roskilde, Denmark, September 7, 2007.

“Telling the Truth about Global Warming,” Madison Civics Club, Madison, Wisconsin, February 10, 2007.

“The tobacco road to global warming,” American Association for the Advancement of Science Symposium on The Socio-Political Construction of Ignorance: Agnotology, San Francisco, California, February 18, 2007.

“The Controlled Experiment that Wasn’t: Acoustic Tomography of Ocean Climate,”

- Keynote lecture, Knowing Global Environments: A Conference in Honor of Robert Kohler, University of Pennsylvania, May 10, 2007.
- Neils Bohr Institute, Copenhagen, Denmark, September 6, 2007.
- Schools of Life Sciences, Arizona State University, Tempe, Arizona, April 4, 2008.
- Science Studies Program, UC Davis, February 20, 2009.
- Keynote Lecture, Oregon State University, American Oceanography at Mid-Century, Corvallis, Oregon, May 14, 2009.

“Against disciplining Interdisciplinarity,” Keynote Speaker, Critical Conversations: Methods and Practices in Interdisciplinary Science Studies, Patrick Suppes Center for the Interdisciplinary Study of Science and Technology, Stanford University, May 18, 2007.

“The Rejection of Continental Drift: Historical Reflections on Scientific Method,” Geological Society of London Bicentenary Celebration (Invitation only conference), September 11, 2007.

“Moving Beyond Crisis: Toward Sustainable Knowledge,” Keynote Speaker, Lewis and Clark 10th Annual Environmental Affairs Symposium, Lewis and Clark College, Portland, Oregon, October 3, 2007.

“The Truth about Denial,” Scripps Institution of Oceanography/ Birch Aquarium, Jeffrey B. Graham Lecture Series: Perspectives on Ocean Science,” La Jolla, California, October 8 2007.

“Science and Politics in the USA: Historical and Personal Perspectives,” Ambiente e Salute, Primo convegno internazionale, *Autonomia della scienza dal potere politico: Rischi e Danni di una dipendenza*. Istituto Italiano per gli Studi Filosofici, Naples, Italy, 24 October 2007.

“You can argue with the facts: A political history of climate change”

- British Academy, “Enquiry, Evidence and Facts: An Interdisciplinary Conference,” December 13, 2007, London, England.
- “Dissent in science,” Workshop, March 3, 2008, University of California, San Diego.

- Department of Land, Air, and Water, University of California, Davis, March 7, 2008.
- STS Distinguished Lecture, Dean's Lecture Series, School of Natural Resources and the Environment, and Ford School of Public Policy, University of Michigan, Ann Arbor, April 7, 2008.
- Department of Geology, Stanford University, Stanford, California, April 17, 2008.
- "History that Matters: A Conference in Honor of Spencer Weart," American Institute of Physics, May 9, 2008.
- Colby College, 20th Anniversary Celebration, Science and Technology Studies Program, Family Weekend, October 17, 2008

"The Denial of Global Warming,"

- Dublin Institute of Advanced Studies, Annual Statutory Public Lecture, September 3, 2008, Dublin, Ireland.
- Bates College, College Lecture Series, Lewiston, Maine, October 20, 2008.
- Franklin and Marshall College, Bonchek Lecture, Lancaster, Pennsylvania, November 10, 2008.

Moving Beyond Carbon? The U.S. Situation." Keynote Lecture: *Towards Post-Carbon Societies*, Centre for energy and society, Department of interdisciplinary studies of culture, Norwegian University of Science and Technology (NTNU), September 5, 2008.

Politics in Science: Who Decides What gets Done and What it Means? Presentation and Panel Discussion, Reuben H. Fleet Science Center, San Diego, CA October 1, 2008.

Chancellor's Pre-Election Briefing, San Diego Civic Center, October 14, 2008.

"My facts are better than your facts,"

- Symposium on "Traveling Facts," History of Science Society Annual Meeting, Pittsburgh, Pennsylvania, November 2008.
- Intellectual History Seminar, The Royal Library, Copenhagen Denmark, March 13, 2009

"Adaptation to global warming: Do climate models tell us what we need to know?"

- Philosophy of Science Association Annual Meeting, Symposium on Climate Models, Pittsburgh, Pennsylvania, November 2008.
- National Science Foundation, Distinguished Lecture Series on Global Systems Science, Washington, DC June 1, 2009.

"The Social Deconstruction of Scientific Knowledge," Workshop on Knowledge of Doing, Max Planck Institut für wissenschaftsgeschichte, Berlin, Germany, March 7, 2009

"The trouble with supply-side science,"

- Steno Institut, Aarhus University, Aarhus Denmark, March 9, 2009
- Climate Change: Global Risks, Challenges, and Decisions, Copenhagen, Denmark, March 12, 2009.

"Is Consensus the Goal of Science (and Should it Be)?"

- 10th Swiss Global Change Day, 31 March 2009, Berne, Switzerland, Swiss Academy of Sciences.

- Penn State University, Climate Policy Seminar and Symposium: Addressing Cross-disciplinary Challenges and Solutions, April 7, 2009.

Creativity in the Face of Climate Change: The Role of Humanities in Awakening Societal Change
Panel Discussion In conjunction with the exhibition: Human/Nature: Artists Respond to a Changing Planet, Berkeley Art Museum and Pacific Film Archive, Friday, April 24, 2009

“Climate Conservations”, Moderator, [A series of evening lectures on Climate Change, 2009-2010.]
Reuben H. Fleet Science Center, San Diego, California.

“Of Heroes, Villians, and Ordinary Men: Rightsizing Roger Revelle”, Reflections on the History of the Biological and Oceanographic Sciences, A Symposium in Honor of Professor Ronald Rainger, Lubbock, Texas, January 11, 2010.

“A New View of Science: Title Search Realism”

- Zucker Fellowship Lecture, Yale University, New Haven Connecticut, October 21, 2009,
- C. P. Snow Lecture Series, University of Maryland, Baltimore Country, Baltimore Maryland, November 2, 2009.
- Birch Aquarium, Scripps Institution of Oceanography, January 13, 2010
- AAAS Climate Literacy Forum, February 17, 2010.

“Merchants of Doubt: How a Handful of Scientists Obscured the Truth about Climate Change”

- University of Rhode Island Vetlesen Lecture Series, People and Planet 2010: Global Environmental Change, March 2, 2010.
- Geography Department, University of California, Berkeley, March 11, 2010.

“History (of Climate Science) as a Resource for Decision-Making,
University of California, Berkeley, Conference on History as a Resource for Decision-Making, March 12-14, 2010.

“Communicating Climate Science: Why is This So Hard?”

NCAR/UCAR 50th Anniversary Lecture sponsored by TIAA-CREF, Conference on World Affairs, Boulder, CO, April 5, 2010.

“What have we learned about limiting knowledge in a democracy?” A panel discussion, Conference on Limiting Knowledge in a Democracy, The 21st *Social Research* conference at The New School Thursday, May 27, 2010

“Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming” [Book Tour, talks and/or readings]

- New York Academy of Sciences, May 26, 2010
- Santa Monica Library, Santa Monica, CA, June 1, 2010
- Warwick’s Books, La Jolla, CA June 7 2010
- Reuben H. Fleet Science Center, San Diego California, June 8, 2010