

**Science, Technology, and Society Program  
Annual Report for 2011-12**

Jim Fleming, STS Program Director

ADVISORY COMMITTEE

Professors Daniel Cohen (Philosophy), James Fleming (Science, Technology, and Society), Fernando Gouvêa (Mathematics and Statistics), Paul Josephson (History), Laurie Osborne (English), Leonard Reich (Administrative Science and Science, Technology, and Society), and Dale Skrien (Computer Science); Associate Professors Jonathan Hallstrom (Music), Laura Saltz (Art and American Studies), Judy Stone (Biology), and Andrea Tilden (Biology); Assistant Professors Matthew Archibald (Sociology), Chandra Bhimull (Anthropology and African-American Studies), and Keith Peterson (Philosophy); Visiting Assistant Professor Britt Halvorsen (Anthropology); Faculty Members without Rank Lauren Lessing (Museum of Art) and Elizabeth Finch (Museum of Art).

NEWS

Chandra Bhimull spent a semester as a Guggenheim Fellow at the Smithsonian National Air and Space Museum.

Paul Josephson was a Senior Fellow at the Rachel Carson Center for Environment and Society in Munich in autumn 2011. He also published "Technology and Environment" in John McNeill and Erin Stewart Mauldin, ed., *A Companion to Global Environmental History* (Blackwell, 2012), 340-359.

Beth Finch was the curator in charge of the exhibition *Process and Place: Exploring the Design Evolution of the Alford-Lunder Family Pavilion* at the Colby Museum. She was also a 2012 fellow in the Center for Curatorial Leadership program and delivered the paper, "Local and Collective: Sharon Lockhart's *Lunch Break* in Maine" at the College Art Association panel "The Art of Labor."

Jim Fleming was the H. Burr Steinbach Visiting Scholar for 2011 at the MIT/Woods Hole Oceanographic Institute. His book, *Fixing the Sky: The Checkered History of Weather and Climate Control* won the Sally Hacker Prize from the Society for the History of Technology and the Louis J. Battan Author's Award from the American Meteorological Society.

Keith Peterson and Britt Halvorsen joined the STS Advisory Committee.

Nick Battista '04 is Marine Programs Director, Island Institute,  
[marine.programs.ii@gmail.com](mailto:marine.programs.ii@gmail.com)

Jessica Leuders-Dumont '09 was admitted to Princeton University Graduate School.

Erin Schnettler, '11 was admitted to Yale University Graduate School.

Hana Haver '11 is currently enrolled in a MSc program on infectious disease, vaccines and drug discovery at the Swiss Tropical and Public Health Institute and the Yong Loo Lin School of Medicine, National University of Singapore.

- Danielle Catherine Sheppard '11 published "Social Solutions for Climate Change Mitigation and Adaptation: Cross Cultural Lessons from Denmark to the United States," *Intersect: The Stanford University Undergraduate Journal of STS* (September 2011), available at [intersect.stanford.edu](http://intersect.stanford.edu).
- Erin Love '14 and Professor Jim Fleming published "Healthy Lakes and Vibrant Economies: Linking History, Sense of Place and Watershed Protection in the Belgrade Lakes Region," *Maine Policy Review* (Winter/ Spring 2012): 90-94.
- Robert Canning '12H presented an oral paper on the history of US Weather Bureau at the annual meeting of the American Meteorological Society in New Orleans, Louisiana, Jan. 2012. He was featured prominently in the Spring 2012 issue of *Colby Magazine*, <http://www.colby.edu/colby.mag/issues/61/article/1347/senior-presents-to-weather-historians/>
- Erin Love '14 presented a poster on "Sense of Place in the Belgrade Lakes Region, Central Maine," Abstract No. 197029 (with J. Fleming and B. Rueger) at the Geological Society of America Annual Meeting, Minneapolis, MN, 9–12 Oct. 2011.
- Eoin McCarron '13 received the STS Scholar's Award for significant accomplishments in research and potential as an interdisciplinary scholar for his work on Carbon Dioxide History.

#### SENIOR PLANS

- Jeff Carpenter '12 (independent major) is searching for a software engineering or product marketing job in Silicon Valley and hoping to keep up on his Japanese and participate in triathlons.
- Kyle Donovan '12 will be working for W.B. Mason as a sales representative in Portland, Maine.
- Katie Graichen '12 is attending U.S. Marine Corps basic training in Quantico, Virginia.
- Chris Kasprak '12H is a photography intern with the *Pittsburgh Post Gazette*.
- Thomas J. Meehan '12H was admitted to Yale University Business School.
- Arya Moallem '12 is spending the next two years on a fellowship with Teach for China, a Teach for All program. He will be teaching English at an under-resourced middle school in rural western China.
- Amanda Reynolds '12 is volunteering for AmeriCorps, not sure which program yet!
- Nicole Sintetos '12H is teaching secondary school in New Hampshire.
- Margie Weiner '12H is serving with CityYear in New Orleans.

#### STUDENT WORKERS

- Robert Canning '12H worked on "Harry Wexler and the Emergence of Atmospheric Science," summer 2011 funded by the Hollis Foundation and academic 2011-12 funded by STS.
- Charlie Spatz '13 worked on "Carbon Dioxide History," summer 2011 funded by the Kathryn Ellis Fredericks Student Research Fund.
- Erin Love '14 worked on "Belgrade History and Sense of Place," summer 2011 funded by NSF EPSCoR and academic 2011-12 funded by CARA.

Amanda Reynolds '12 worked as the course coordinator for ST215, Weather, Climate and Society.

Eoin McCarron '13 worked on "Carbon Dioxide History" in academic 2011-12 and will work on "The Emergence of Atmospheric Science" in summer 2012.

Nickolas Kondiles will work on "Belgrade History and Sense of Place" in summer 2012.

#### HONORS THESES (5)

Canning, Robert T. Forecasting the Future: The Early United States Weather Bureau. Adviser Fleming, Second Reader Josephson.

Kasprak, Christopher J. Hurricanes as Social Probes: The Social, Political and Economic Impact of the Hurricanes of 1900, 1938, and 2005 (Katrina). Adviser Fleming, Second Reader McFadden.

Meehan, Thomas P. Health Information Technology and Quality Improvement: The Use of Electronic Health Records to Improve Quality of Care in Primary Care Practices in Connecticut. Adviser Fleming, Second Reader Archibald.

Sintetos, Nicole G. The Sexual Brain: Essentialism in Queer Popular Science: A Study of the Science of Dr. Simon LeVay. Adviser Fleming, Second Reader Peterson.

Weiner, Margie L. Programmed for Success? Computers in American Public School Classrooms. Adviser Fleming, Second Reader Howard.

#### SENIOR THESES (8)

Carpenter, Jeff. Your Brain in the Cloud Online Learning and the Paradigm of Education.

Donovan, Kyle. Saving Hollywood? The Struggle to Protect Intellectual Property Rights.

Graichen, Katie. Defining a Place by the Sea: The Revitalization of the Portland Waterfront.

Mermel, Elliot. Breaching the Boundaries: The Impact of Intellectual Property Laws on Healthcare and Society.

Moallem, Arya. Blooming Industry, Ancient Roots: Green Buildings in Red China

Phillips, Spencer. Keeping the Center Alive: Portland, Oregon and the Urban Growth Boundary.

Reynolds, Amana. From Bubble to Burp: The Unlikely Technologies that made Brewing an Industry.

Stephenson, Campbell. Neglected Green Space: Urban Parks and City Development.

#### STS SEMINAR SERIES

Marilyn Gaull, The Editorial Institute at Boston University

*Euclid Alone: From Love Triangles to Social Circles*

Jessica Varnum '05, James Martin Center for Nonproliferation Studies

*Six Minutes To Doomsday? Assessing the State of the Nuclear Threat*

Susan Bell, Bowdoin College

*Doing Science Differently: DES Daughters, Women's Health Politics, and the Transformation of Biomedical Science*

Peter Conrad, Brandeis University

- The Medicalization of Society*  
Denise Anthony, Dartmouth University
- Status and Implications of Health IT in the US Health Care System*  
Sue Fisher, Wesleyan University
- The Road Less Traveled: Medical Science  
and the Delivery of Health Care to Women*  
Dr. André Nadeau, Nadeau Chiropractic
- Paradigms and Their Impacts on Healthcare*  
Gail Carlson, Colby College
- Regulation of Environmental Threats to Human Health:  
Policy Successes and Challenges*  
Sara Shostak, Brandeis University
- How Science Comes to Matter: Having Epilepsy in the Age of the Genome*  
Howard Segal, University of Maine—Orono
- On Utopias*

### **Diversity and Sustainability**

STS is committed to promoting both diversity and sustainability. Course work involves gender, race, class, and environmental issues as they intersect with STS. Several members of the advisory committee are involved professionally in these issues. Membership in the advisory committee is gender balanced.

### **Upcoming Sabbatical Leaves**

Prof. Reich 2012-13  
Prof. Fleming 2013-14