

**Science, Technology, and Society  
Program Annual Report for 2010-11**

Jim Fleming, STS Program Director

**Highlights**

STS graduated 14 seniors in the class of 2011, with five earning honors in the major.

Details below.

**2011 Senior Theses**

**Boezeman, Emiko L. ('11)** From Humans to Machines: The Evolution of Japanese Communication Technologies and Their Influence on the Written Language

**Bonnheim, Noah B. ('11)** The Search for a Hero: The Psychological Appeal of Geoengineering

**Carter, Sarah M. ('11 Honors)** HAPPY PILLS: The Discovery, Development and Societal Implications of Antidepressant Technology

**Cizmar, Stephan J. ('11)** An Assessment of Technological Progress as a Catalyst of Economic Growth Through an Analysis of Two General Purpose Technologies: Electrification and the Internet

**Crommett, Marisa K. ('11 Honors)** Communicating Health Care Options: Dominican Herbal Remedies in the Dominican Republic and New York City

**Eaton, Beta ('11)** Lobstering in Stonington, Connecticut and Stonington, Maine: Two Cases Demonstrating Necessary Cooperation Among Scientists, Fishermen, and Policy Makers for A Sustainable Fishery

**Eberly, Nathan A. ('11 Honors)** Mediavision: Social Lessons Learned from Television History

**Fleming, Amie R. ('11 Honors)** Urban Sprawl: Critiquing the Place of Community and Environment in Suburban America

**Gorman, Tucker ('11J),** A Student's View of the Colby College Campus

**Haver, Hana L. ('11 Honors)** Genes on Trial: An Evaluation of Gene Therapy in the Media

**Koallick, Alexander M. ('11)** Energy, Environment, Embargo: A look at How the Oil Embargo of 1973-74 Changed American Perceptions of Environmental Protection

**McNulty, Mark E. ('11)** Examining and Understanding Methods to Mitigate the Effects of Agricultural Oil Shock

**Schnettler, Erin M. ('11 STS Scholar Awardee)** Tipping Point to Turning Point: Horatio Crie and the Development of a Conservation Ethic in the Maine Lobster Industry

**Sheppard, Danielle C. ('11)** Social Solutions for Climate Change: Cross Cultural Lessons from Denmark to the United States

### **Honors in the Major**

Sarah Carter, Marisa Crommett, Nate Eberly, Amie Fleming, Hana Haver

### **Scholars Award**

STS issued a "Scholar's Award" for significant accomplishments in research and potential as an interdisciplinary scholar. This year's awardee is **Erin Schnettler ('11)** for two studies, "Illusory Timelessness: A Geologic and Anthropomorphic History of the Belgrade Lakes Watershed," and "Defending *Homarus americanus*: Horatio Crie and the development of a conservation ethic in the Maine lobster industry."

### **STS Seminar Series (16 events)**

#### **Fall 2010**

Fixing the Sky: The Checkered History of Weather and Climate Control  
Jim Fleming, Colby STS Program

The Cartoon Medicine Show  
David Cantor, Deputy Director, Office of History, National Library of Medicine

Visionary Architecture: Building Up  
Geoff Manaugh, USC Architecture Department and Wired, UK, BLDG BLOG and Nicky Twilley, <http://ediblegeography.com>

Nuclear Deterrence and Proliferation Strategy in the Obama Administration  
Kenneth Rodman, Colby Government Department

Spacesuit Architecture  
Nicholas de Monchaux, U.C. Berkeley Architecture and Urban Planning professor

Body as Environment: What the science of human biomonitoring reveals about the fate of industrial chemicals

Gail Carlson, Colby Environmental Studies Program

Access to Space: The Case of the Space Shuttle

Roger Launius, Senior Curator, Smithsonian National Air and Space Museum

NASA Astronaut Steve Bowen

Lunch and extended discussion in Page Commons

Body, Place, Planet: An astronaut's perspective

NASA Astronaut Steve Bowen

### **Spring 2011**

The Effects of Climate Change on Displacement and Migration

Alex de Sherbinin, CIESIN, The Earth Institute at Columbia University

The Sieges of Rhodes in 1480 and 1522

Kelly DeVries, Loyola University (joint with History)

The Tuskegee Airmen: Fighting Injustice in Pre-Civil Rights Era World War II

Master Sergeant James Sheppard (joint with Goldfarb, American Studies, and History)

Oil Supply and the American Economy

Lenny Reich, Colby STS Program and Ad Sci (joint with Ad Sci)

Self-Help and Its Paradoxes

Matt Archibald, Colby Sociology (joint with Sociology)

Senior Poster Session

Thirteen research posters presented during the Celebration of Research

Vexing and Fixing the Sky: The Ethos of STS

Jim Fleming, Colby STS Program

### **STS Students**

Boezeman, Emiko L. '11

Bonnheim, Noah B. '11

Carter, Sarah M. '11

Cizmar, Stephan J. '11

Crommett, Marisa K. '11

Eaton, Elizabeth G. '11

Eberly, Nathan A. '11

Fleming, Amie R. '11  
 Gorman, Tucker W. '11J  
 Haver, Hana L. '11  
 Koallick, Alexander M. '11m  
 McNulty, Mark E. '11m  
 Schnettler, Erin M. '11m  
 Sheppard, Danielle C. '11

Canning, Robert T. '12  
 Donovan, Kyle P. '12m  
 Graichen, Katherine E. '12  
 Kasprak, Christopher J. '12  
 Meehan, Thomas P. '12  
 Moallem, J. Arya '12  
 Phillips, Spencer C. '12  
 Reynolds, Amanda L. '12  
 Sintetos, Nicole G. '12  
 Stevenson, K. Campbell M. '12  
 Turner, Bradley E., II '12m  
 Weiner, Margie L. '12

Feng, Victoria Y. '13  
 Hannon, Benjamin A. '13  
 Hussey, Daniel K. '13  
 Kneeland, Kelly E. '13m  
 Kondiles, Nickolas M. '13  
 McCarron, Eoin D. '13m  
 Spatz, Charles C. '13

Hamblett, Peter G. '14  
 Kim, Wayne W. '14  
 Vanasse, John R. '14 m

### **Student Projects**

*STS Senior Projects—thirteen posters presented at the Celebration of Research*

*NSF EPSCoR Belgrade History Project, Erin Love, RA and Presidential Scholar*

### **Advising**

Class of '11 Prof. Fleming  
 Class of '12 Prof. Reich  
 Class of '13 Prof. Fleming  
 Class of '14 Prof. Josephson

## Diversity

Prof. Fleming served on the WGSS Advisory Committee

## Program achievements, problems, and anticipated changes.

**STS in the News** (various items):

[http://www.colby.edu/news\\_events/tags/Academics%3AScience%20Technology%20and%20Society](http://www.colby.edu/news_events/tags/Academics%3AScience%20Technology%20and%20Society)

Laurie Osborne (English), Fei Yu (Economics), and Matthew Archibald (Sociology) joined the **STS Advisory Committee**

Four Colby students, Noah Bonnheim ('11), Nicole Sintetos ('12), Victoria Feng ('13), and Erin Love ('14) participated in the **Gordon Cain Conference** on Chemical Weather, Chemical Climate at the Chemical Heritage Foundation, Philadelphia, PA, April 2011. Bonnheim, Sintetos, and Feng presented posters, Bonnheim co-authored a conference paper with Prof. Fleming, and Love served as Prof. Fleming's personal assistant. All four students served as session rapporteurs and participated in discussions.

The 2010 STS **Overseers** recommended that Colby hire a professor of **Medicine and Society** somewhere in the College with an affiliation with STS. They also strongly recommended that STS retain its independent identity as a program.

STS gained its **Seminar Room**, Diamond 242, after a 12-year quest. The "STS Seminar Room in Exile" sign has been retired.

## 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), Dale Skrien (Computer Science), and James Webb (History); Associate Professors Jonathan Hallstrom (Music), Laura Saltz (Art and American Studies), Judy Stone (Biology), and Andrea Tilden (Biology); Assistant Professors Chandra Bhimull (Anthropology and African-American Studies), Fei Yu (Economics); Visiting Assistant Professor Matthew Archibald (Sociology); Faculty Members without Rank Lauren Lessing (Museum of Art) and Elizabeth Finch (Museum of Art)