2006

Schedule of Presentations

Colby College

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Colby Undergraduate Research Symposium 2006
May 3-5, Colby College, Waterville, Maine
Olin 1

Research Presentations

Wednesday, May 3

SESSION I: ENVIRONMENTAL STUDIES
Conservation Biology Presentations
Olin 234
Session Chair: Russ Cole
11:00 - 11:50

Liza Mitchell ('08), Katie Renwick ('07) and Jeff Carroll ('08), Conservation Biology Presentations
Gray Wolf Reintroduction in the Greater Yellowstone Area

SESSION II: ANTHROPOLOGY
Senior Research in Anthropology
Whitney Room
Session Chair: Catherine Besteman
1:00-3:00 PM

1:00 pm Jessica Moore ('07), Anthropology
The Little White Lie That Could Save the World

1:15 pm Greyson Brooks ('06), Anthropology
Sociocultural Degeneration and State Patronage of the Arts: Mapplethorpe, Cultural Crisis, and the NEA

1:30 pm Chelsea Downs ('06), Anthropology
Brand Management And The Wal-Mart Model

1:50 pm Jamie Manzer ('06), Anthropology
Unveiling Democracy: The Rhetorical and Ritualistic Disguises of Representation

2:05 pm Lauren Simmons ('06), Anthropology
A Leader's Place in Revolution: How One Individual Embodies the Many Voices of Dissent

2:20 pm Jia-Ling Loo ('06), Anthropology
The Culture of Open Source: Countering Hegemony in a Digital Economy

SESSION III:
General Session
Smith Room
Session Chair: Clem Guthro
2:15-5:15 PM
2:15 pm  **Kara McCabe ('06), English**
A Journey Through Memory and Self in the Works of Edwidge Danticat and Julia Alvarez

2:30 pm  **Gregory Lusk ('06), Philosophy**
Virtue Epistemology: Rethinking the Presuppositions of Knowledge

3:45 pm  **George A. Williams ('06), Science, Technology, and Society**
Viewing the Human Body as Technology

4:15 pm  **Jessica Varnum ('06), Government**
Catalyzing Change: Towards Accelerated and Expanded U.S.-EU-Russian Action to Reduce the Threat of Nuclear Terrorism

4:45 pm  **Julie Jaenicke ('06), Mathematics**
Piero della Francesca: Geometry in Painting

5:00 pm  **Jane Leary ('06), Mathematics**
Hypatia: the Original Woman Mathematician

**Thursday, May 4**

**SESSION IV: ANTHROPOLOGY**  
**Whitney Room**  
**Gender Studies**  
**Session Chair: Mary Beth Mills**  
**11:00-12:15**

11:00 am  **Laura Snider ('06), Anthropology**
Travesti Rights are Human Rights

11:15 am  **Stephanie Atwood ('06), Anthropology**
To Be a Good Italian Woman

11:30 am  **Jamie Manzer ('06), Anthropology**
Denaturalizing Sex Binaries: Professional Women Officials Transgressing Gender Boundaries

11:45 am  **Jane Lee ('06), Anthropology**
Status and Gender in Korea

**SESSION V: RELIGIOUS STUDIES**  
**Lovejoy 344**  
**Religion and World War II**  
**Session Chair: Debra Campbell**  
**11:00 - 12:15**

**Robert Rosenbaum ('07)**
The Third Reich Church

**Ryan Ahearn ('07)**
The Khalsa in World War II
Jen McAleer ('07)
Resistance in the Nazi Government and Army

SESSION VI: BIOLOGY
Cell Cycle and Cancer
Session Chair: Paul Greenwood
1:00 PM

Erin Schlossman ('07)
Ewing’s Sarcoma and Possible Gene Therapies Involving EWS/FLI-1 and CD99
Alexander White ('07)
The Genetics of Prostate Cancer
Carolyn Litty ('06)
Mantle Cell Lymphoma: Incidence, Biological Features, and Treatments
Peter Steinour ('07)
Glioblastoma multiforme: Hope for Pacification
Nichol Penna ('06)
Synovial Cell Sarcoma: Diagnosis, Therapy, and Case Study

SESSION VII:
General Session
Session Chair: Mark Serdjenian
1:00-3:30 PM

1:00 pm  Sara Booth ('06)
Human Trafficking, Immigration, and Prostitution in Italy
1:45 pm  Adil D'Sousa ('06)
The Family Novel in the Emerging Nation-State: A Comparative Study of Ba Jin's Jia and Lev Tolstoy's Anna Karenina
2:15 pm  Hye Kim ('08)
Was Handel a Plagiarist?
2:30 pm  Jonathan Bastian ('06)
Logical Liberation: Perspectives from the East and West
3:00 pm  Kathryn Lidington ('06)
Variation in Beach Profiles and Sediment Characteristics at Popham Beach, Phippsburg, ME
3:15 pm  Elizabeth Mollo-Christensen ('06)
Potential Effects of Deep-Ocean Carbon Dioxide Sequestration on Foraminifera

SESSION VIII: EAST ASIAN STUDIES
Research in Japanese Fiction
Session Chair: Tamae Prindl
1:00-3:00 PM

Hurd Room
1:00 pm  **Morgan Manoff** ('08), East-Asian Studies
The Confessional Hero of the 'Temple of the Golden Pavilion'

1:20 pm  **Liza Mitchell** ('08), East-Asian Studies
Secrecy, Sexuality and the Covert Feminine Power in 'Masks'

1:40 pm  **James Luckenbill** ('08), East-Asian Studies
Botchan's Transformation in Accordance with Justice

1:45 pm  **Katherine MacBain** ('06), East-Asian Studies
Reality and Liminal Space in Murakami Haruki's 'Dance Dance Dance'

2:00 pm  **John Kester** ('08), East-Asian Studies
Silence in Silence: The Titular Significance of Shusako Endo's Novel

2:15 pm  **Alexander Connors** ('08), East-Asian Studies
Narrative Structure in Kenzaburo Ōtō's A Personal Matter: Hierarchy of Chatman's 'Kernels' and 'Satellites', & Suspense and Surprise

**SESSION IX:**
General Session
Whitney Room
2:00-4:00 PM

2:15 pm  **Erin Rhoda** ('06)
Let Us Now Praise Famous Women

2:45 pm  **Erica Dorpalen** ('06)
Carry Emptiness: The Ecology and Zen Buddhism of Gary Snyder's Poetry

3:00 pm  **Christabel Kwabi** ('06)
An Evaluation of the Ghanaian Education System

3:15 pm  **Emily Brostek** ('06)
"The Kind of Person I Am:" Reassessing the Aims of Community Service and Its Impact on College Students Through Identity Development

**SESSION X: ECONOMICS**
Advanced Topics in Environmental Economics
Miller 319
2:30 - 3:45 PM

**Charles Reed** ('06)
Insurance and the Management of Environmental Risk: The Case of Climate Change

**Emilia Tjernström** ('06)
Co-management of Natural Resources: Evaluating the Concepts and Empirical Evidence from Protected Areas
SESSION XI: AMERICAN STUDIES
Honors Projects in American Studies
Hurd Room
Session Chair: Margaret McFadden
3:15-5:45 PM

3:00 pm  **Kara Fagan** ('06)
From Ball of Fire to Cattle Queen: Gender and Class in The Films of Barbara Stanwyck

3:15 pm  **Emily Judem** ('06)
Off the Tracks

3:45 pm  **Katherine Hamm** ('06)
Why Do Men Hate Ani DiFranco? The Connection Between Women Rock Musicians and the Image of Feminism

4:00 pm  **Christina Terrell** ('06)
The Racialization of Female Body Image Perception in the United States

4:15 pm  **Jairus Steed** ('06)

SESSION XII: ECONOMICS
Research in Economics
Smith Room
Session Chair: Philip Brown
4:00-5:30

4:00 pm  **Alexandra Funk** ('06), Economics
The Adequacy of Health Care Services for the Elderly in China

4:20 pm  **Michael Poplaski** ('07), Economics
Econometrically Modelling Alumni Giving to Colby and Other NESCAC Schools

4:40 pm  **Brian Tierney** ('06), Economics
Religion and Happiness among China's Oldest-Old

5:00 pm  **Jonathan Wong** ('06), Economics
Analyzing the Determinants of Obesity in Maine

SESSION XIII: HISTORY
New Studies in American and European History: Senior Honors Theses
Whitney Room
Session Chair: Paul Josephson
4:00-6:00 PM

4:00 pm  **Jonathan Ashcroft** ('06), History
British and French Intelligence on the “German Question” and the Growth of Pacifist Movements
4:20 pm  **Timothy Stenovec ('06), History**
The Taking of Mayflower Hill: the Vietnam Antiwar Movement at Colby College

4:40 pm  **Julia Malkin ('06), History**
From Private Protest to Public Philosophy: The Democratic Society of Pennsylvania and the Election of 1800

5:00 pm  **Courtney Kubilis ('06), History**
Space Age Learning: Education Reform in the USSR and USA in the Age of Sputnik

5:20 pm  **Katie Fuller ('06), History**
Spinners and Losers: Lewiston's Irish and French-Canadian Immigrants 1850-1930

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Friday, May 5

**SESSION XIV: SCIENCE, TECHNOLOGY, AND SOCIETY**

Smith Room

Science, Technology and Society Studies

Session Chair: Paul Josephson

9:30-11:30 AM

10:00 am  **Aaron Bradford ('07)**
Video Games and Social Anxiety: A Historical Approach to the Fear of Youth

10:15 am  **Madeline Horwitz ('06)**
Man-Made Menopause

10:45 am  **Jakob Moe ('06)**
From Hatcheries to Aquaculture: A Technical Solution to a Tragedy in the United States?

11:15 am  **Ethan Payne ('06)**
Big Ideas, Big Technology and the Founding of Las Vegas 1905-1935

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**SESSION XV: AMERICAN STUDIES**

Hurd Room

Honors Projects in American Studies

Session Chair: Margaret McFadden

10:00-12:00 PM

10:00 am  **Tyler Hales ('06)**
Is Baseball Still America's National Pastime, or has Football Become the All-American Sport?

10:30 am  **Noah Balazs ('06)**
iDentity: Constructing Identity in a Mass Mediated and Postmodern Society

11:00 am  **Anna Erdheim ('06)**
Exploring Opportunity in America: Immigrant Entrepreneurship and Rags to
Riches Success

11:30 am  **Chelsea Downs** ('06)
The Economics of Hip Hop Culture -- More Than Music

**SESSION XVI: ENVIRONMENTAL STUDIES**

**Conservation Biology Presentations**

*Olin 234*

**Session Chair: Russ Cole**

11:00 - 11:50 AM

**Sharon McMonagle** ('06), **Jenna Morrison** ('06) and **Alaina Clark** ('08), Conservation Biology Presentations

Effects of Climate change on Coral Reef Ecosystems

**SESSION XVII: EAST ASIAN STUDIES**

**Research in Asia**

*Smith Room*

**Session Chair: Peter Ditmanson**

12:30-3:00 PM

12:45 pm  **Lijah Barasz** ('06), East-Asian Studies

The Effect of American Film on Chinese Youth Culture

1:00 pm  **Michael Deheeger** ('07) and **O. Orantes** ('07), Government

'Long-Neck': Purgatory on the Thai-Burma Border

1:30 pm  **O. Orantes** ('07), History

Glimpses of Hope, Laughter, and Sadness: Stories from Burmese Women Refugees in Thailand

2:00 pm  **Lauren Brown** ('06), History

Sars in Taiwan: Effects on Public Health and Treatment of Infectious Disease

2:30 pm  **B. Tjernstrom** ('06), Economics

Nomad's Land - Parks Protection in Mongolia: Structural and Human Obstacles

**SESSION XVIII: ENVIRONMENTAL STUDIES**

**Environmental Studies Honors Research**

*Hurd Room*

**Session Chair: Philip Nyhus**

1:00-4:00 PM

1:00 pm  **B. Tjernstrom** ('06)

Be the Change You Wish to See: National Attitudes and Climate Change Policy

2:00 pm  **Alexandra Jospe** ('06)

Modeling Spatially Explicit Human-wildlife Conflict: GIS and Moose-vehicle Collisions in Maine

2:30 pm  **Hilary Langer** ('06)

The Cost of Conservation: Payments for Environmental Services on The Osa Peninsula, Costa Rica
3:00 pm  **Sarah Kelly ('06)**  
Energy Use Patterns and Potential Areas for Energy Conservation in Dorm Rooms at Colby College

3:30 pm  **Jenna Morrison ('06)**  
Environmental Awareness of Waterville Junior High Students

**SESSION XIX:**  
*General Session*  
*Whitney Room*  
*Session Chair: Yulia Chentsova*  
*1:00-3:30 PM*

1:00 pm  **Gabrielle Adams ('06)**  
Time, Remorse, Compensation, and Reparations

1:30 pm  **Katharine Gilroy ('06)**  
MP and 6Cl-tryptophan Administered to Attenuate Secondary Pathology in Guinea Pig Spinal Cord Injury

2:00 pm  **Kathryn Rooney ('06)**  
Specificity and Affective Valence of Autobiographical Memories in Depression

2:30 pm  **Steen Sehnert ('06)**  
Omission and Comission in the Inaction Inertia Paradigm

3:00 pm  **Laura Snider ('06)**  
Mobilized Mothers and Women Warriors: Women's Political Participation in Sri Lanka and Chile

**SESSION XX: BIOLOGY**  
*Olin Room 1*  
*Honors Research in Biology*  
*Session Chair: Frank Fekete*  
*1:00-4:00 PM*

1:00 pm  **David Civitello ('06)**  
Genetic Breeding System of Gray Fox, *Urocyon cinereoargenteus*, in a Protected Population

1:30 pm  **Patrick Lizotte ('06)**  
Genetic Variation Between Populations of the Rare Orchid Isotria Medeoloides and Implications for Conservation

1:45 pm  **Matthew Meredith ('06)**  
Concomitant Antibiotic and Mercury Resistance among Gastrointestinal Microflora of Feral Brook Trout, *Salvelinus fontinalis*

2:15 pm  **Erin Parry ('06)**  
Mercury Resistance in a Multi-Drug Resistant Strain of the Fish Pathogen, *Aeromonas salmonicida*
2:45 pm  Matthew Aschaffenburg ('06)
The Impact of Trait-Mediated Effects on Predator-Prey Interactions in the Rocky Intertidal Community

3:15 pm  Sarah Hoskinson ('06)
A Comparison of Forest Type Resilience to Structural and Compositional Changes Following Beech Bark Disease Infestation

SESSION XXI: GEOLOGY  Mudd 218
Geoseminar  Session Chair: Robert Gastaldo
1:00 PM

B. Cantor ('08), C. Thompson ('08), D. Pace ('06), S. Reid ('08) and B. Aigler ('08)
The Plastic Response of the Genus Quercus to Atmospheric pCO2 Concentration

SESSION XXII: CHEMISTRY  Keyes 105
Senior Chemistry Presentations  Session Chair: Mark Juhasz
3:00 - 4:00 PM

Bram Geller ('06)
The Synthesis Of New Oxacalixarenes and Bicyclooxacalixarenes from 1,8-Naphthyridine Precursors.

Adelajda Zorba ('06)

Zach Goldman ('06)
The Synthesis of RCLMs

SESSION XXIII: ECONOMICS  Smith Room
Honors Projects in Economics  Session Chair: Philip Brown
3:30-6:00 PM

3:30 pm  Jessica Minty ('06)
Media Coverage and Disaster Relief

4:15 pm  Caroline Theoharides ('06)
The Role of Home Equity in Retirement Saving: Building Your Nest (Egg)

SESSION XXIV: HISTORY  Hurd Room
History 435  Session Chair: Elizabeth Leonard
4:00-5:30 PM
**Session XXV: Art**

*Whitney Room*

**Session Chair: Ankeney Weitz**

3:45 - 5:30 PM

3:45 pm *James Thompson* ('06), Art

Residential Environmental Design: 'A House for an Ecologist' Design Competition Entry

4:15 pm *Caroline O'Connor* ('06), Art

Use of Devotional Art in the Public and Private Setting in Renaissance Italy

4:35 pm *Tucker Burr* ('06), Art

Writing Styles of Modern Graffiti

4:55 pm *Steven Weinberg* ('06), Art

The Newspaper Redesign Project

5:15 pm *Courtney Page* ('06), Art

Exploration of Composition in Mixed Media: Fabric, Steel, and Magnets

**Session XXVI: Geology**

*SSW Alumni Center*

**Session Chair: Robert Gastaldo**

5:00 PM

*Katherine Curtis* ('06)

A dynamic 3-D Model of the Seasonal Surface and Sub-surface Flow in the Belgrade Lakes Watershed, South-Central Maine

*Christopher Russoniello* ('06)

Quantification of Seasonal Groundwater Flux through the Southern Portion of the Serpentine Bog in South-Central Maine