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
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
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
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  
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  
Session Chair: Debra Campbell

11:00 - 12:15

**Religion and World War II**

**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  
Olin 234  
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  
Smith Room  
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  
Hurd Room  
Session Chair: Tamae Prindl  
1:00-3:00 PM
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 Oe's A Personal Matter: Hierarchy of Chatman's 'Kernels' and 'Satellites,' Suspense and Surprise

**SESSION IX: General Session**

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**

2:30 - 3:45 PM

**Advanced Topics in Environmental Economics**

2:30 pm  **Charles Reed ('06)**  
Insurance and the Management of Environmental Risk: The Case of Climate Change

2:45 pm  **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
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
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
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
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
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<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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<tbody>
<tr>
<td>3:00 pm</td>
<td><strong>Sarah Kelly</strong> ('06)</td>
<td>Energy Use Patterns and Potential Areas for Energy Conservation in Dorm Rooms at Colby College</td>
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<td>3:30 pm</td>
<td><strong>Jenna Morrison</strong> ('06)</td>
<td>Environmental Awareness of Waterville Junior High Students</td>
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**SESSION XIX:**

**General Session**

**Whitney Room**

Session Chair: Yulia Chentsova  
1:00-3:30 PM

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<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td><strong>Gabrielle Adams</strong> ('06)</td>
<td>Time, Remorse, Compensation, and Reparations</td>
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<tr>
<td>1:30 pm</td>
<td><strong>Katharine Gilroy</strong> ('06)</td>
<td>MP and 6Cl-tryptophan Administered to Attenuate Secondary Pathology in Guinea Pig Spinal Cord Injury</td>
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<td>2:00 pm</td>
<td><strong>Kathryn Rooney</strong> ('06)</td>
<td>Specificity and Affective Valence of Autobiographical Memories in Depression</td>
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<td>2:30 pm</td>
<td><strong>Steen Sehnert</strong> ('06)</td>
<td>Omission and Commission in the Inaction Inertia Paradigm</td>
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<td>3:00 pm</td>
<td><strong>Laura Snider</strong> ('06)</td>
<td>Mobilized Mothers and Women Warriors: Women's Political Participation in Sri Lanka and Chile</td>
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**SESSION XX: BIOLOGY**

**Honors Research in Biology**

**Olin Room 1**

Session Chair: Frank Fekete  
1:00-4:00 PM

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<tr>
<td>1:00 pm</td>
<td><strong>David Civitello</strong> ('06)</td>
<td>Genetic Breeding System of Gray Fox, <em>Urocyon cinereoargenteus</em>, in a Protected Population</td>
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<tr>
<td>1:30 pm</td>
<td><strong>Patrick Lizotte</strong> ('06)</td>
<td>Genetic Variation Between Populations of the Rare Orchid <em>Isotria Medeoloides</em> and Implications for Conservation</td>
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<td>1:45 pm</td>
<td><strong>Matthew Meredith</strong> ('06)</td>
<td>Concomitant Antibiotic and Mercury Resistance among Gastrointestinal Microflora of Feral Brook Trout, <em>Salvelinus fontinalis</em></td>
</tr>
<tr>
<td>2:15 pm</td>
<td><strong>Erin Parry</strong> ('06)</td>
<td>Mercury Resistance in a Multi-Drug Resistant Strain of the Fish Pathogen, <em>Aeromonas salmonicida</em></td>
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</tbody>
</table>
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
4:15 pm  **Anne Kearney** ('08), History
Waging the War of Opinions: Northern and Southern Newspaper Coverage of Antietam

4:30 pm  **Nicole Lavery** ('07), History
Maryland and Kentucky: How Abraham Lincoln Kept Each Loyal to the Union

4:45 pm  **Nathaniel Stone** ('06), History
Ben Butler and the Woman Order: Hard War Diplomacy or Inhumane Treatment of the Citizens of New Orleans?

5:00 pm  **Benjamin Herbst** ('08), History
Pre-Civil War Acts of Violence and their influence on the Civil War

**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'Conner** ('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