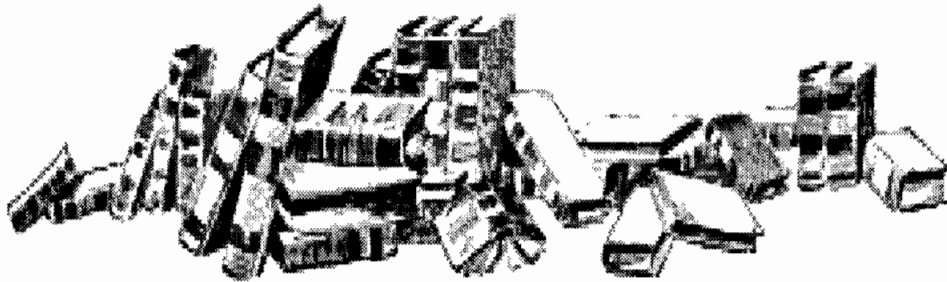


Third Annual
Student Scholarship
Recognition Day



Wednesday
April 16, 2003

Welcome
to The Third Annual
Student Scholarship Recognition Day

Wednesday, April 16, 2003

At large research universities, student research opportunities are generally reserved for graduate students, but at small private liberal arts colleges like Willamette, undergraduates have the opportunity to work closely with faculty as they pursue intellectual questions, devise scientific experiments, create works of art, wrestle with age-old conundrums, and, in so doing, pursue the questions that feed their intellectual curiosity. We are proud of the achievements of our students - of their thoughtful engagement with problems and their dogged pursuit of truth and beauty. We measure our success by theirs.

The students whose work you will see today have been supported in many different ways during their research. Some have earned Carson Undergraduate Grants, others have worked as faculty research assistants, some have completed their work in senior seminars, others have labored with faculty through the Science Collaborative Research Program, and one of them won an award as a Presidential Scholar and devoted a large part of his senior year to his own research. All have been guided by patient and wise faculty mentors.

Our day of presentations begins at 9:00 a.m. and extends to 4:30 p.m., culminating in an open Reception at 4:30 p.m. in The Cat Cavern. We believe that student research is at the heart of our educational enterprise, and so we cancel classes for this important day. (And we don't cancel classes lightly.)

We hope that you will enjoy your travels through the minds and passions of our students and our university. Welcome to the heart of Willamette.



STUDENT SCHOLARSHIP RECOGNITION DAY

Wednesday
April 16, 2003

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MORNING ACTIVITIES

9:00 - 11:00 a.m.

Oral Presentation Panels

Collins Science Center, Eaton Hall, Smullin Hall

Little Shop of Horrors: Pesticides, Carnivory, & Predation (Collins 204)

Moderator: Julianne Abendroth-Smith

Jenny Andrews

Control Methods for English Ivy (Hedera helix), Deepwood Estate, Salem, Oregon

Daniel Ramirez

Nest Predators in Willamette Gallery Forests: Insights from Experimental Nests

Kristin Sinclair

Inhibition of MAP Kinase by U0126 Blocks 2, 4-D Induced MAP Kinase Phosphorylation

Kathryn Theiss

Dependence of Enzyme Effectiveness and Morphology on Pitcher Age of Nepenthes ventricosa

Health Care: Herbs to HMO's (Smullin 222)

Moderator: Peter Harmer

Jennifer Abbott

Exploring the Balance Between Traditional Medicine and Western Biomedical Health Care in a Contemporary Setting: Qualitative Investigations of a Coastal Salish Tribe

Justin Brown

Shamanic and Western Practices of Hallucinogen Use and Abuse

Lori Northcraft

Blisters: Causes, Complications, and Prevention

Sarah Sutton

Get the Paddles Stat! The Rise, Fall, and Resurrection of the Oregon Health Plan

War and Its Legacies (Smullin 129)

Moderator: Ellen Eisenberg

Jacob Berg

Biological and Feminist Explanations for the Human Tendency for War

Emily Bonifaci

To Let Their Flames Burn Up to the Sky: The Influenced Art of Holocaust Memorials and Monuments

Adrienne Davich

The Holocaust and the Jewish Ghetto Experience: Letters, Diaries, and Memoirs

Brian Fanning

Darüber Spricht Man Nicht: Anti-Americanism in Post-War Germany

Support & Development (Smullin 130)

Moderator: Melissa Buis-Michaux

Stephanie Chase

The Resurrection of the West German Economy 1945-55

Amanda Conradt

Saving Labor: Oregon's Experiment with the Initiative Process

Tyler Gaspard

The Rise of Fannie Mae and Freddie Mac in the Mortgage Finance Industry

Amber Henderson

Refugee Education: A Case Study of the International Refugee Center of Dakar, Senegal

Religion: Influences & Products (Collins 205)

Moderator: Peter Wogan

Kate McClendon

Transcending Duality: Sexuality in Shamanism and Other World Religions

Amy Nanney

Conflicting Interests: The Changing Role of the Catholic Church, the Influence of Liberation Theology and the Emergence of Evangelic Protestantism in Guatemala During the Civil War of the 1970s and 1980s

Nathaniel Oltmans

The Role of Religion in the Northern Ireland Conflict

J. Adam Peterson

In Search of Zion: The Church of Jesus Christ of Latter-Day Saints- Redefining the Church, Redefining America

What I See, or Don't! (Eaton 211)

Moderator: Karen Arabas

Aubrey Merryman

Vision Training: Effects on Motor Skills and Visual Ability in Experienced Racquetball Players

Gwenn Seemel

Face Your Fears

Mathew Snodgress

Recent Advances in Visual Prostheses: Artificial Stimulation of the Retina Emerges

Megan Bladow

Razzamatazz Rascals Children's Theatre

Interpretations & Comparisons (Collins 210)

Moderator: Marva Duerksen

Tomaz Bukovnik

Translation of Erich Fried Poetry: Trilingual Translations from German to English to Slovenian

James Davidson

The Conductor's Interpretive Stance: A Comparative Analysis of Four Recordings of Haydn's Symphony No. 104

Nicole Trammel

Women Writers and the Fantastic: Subversion and Liberty

Jennifer Wiegman

Significance of Cinderella: The Last Tale Type at 510B and Its Importance to the Growing Up Process

11:15 a.m. - 12:15 p.m.

Julie Carson Undergraduate Research Grants & the Science Collaborative Research Program Panel: *The Impact Independent Research Has on Your Life*

Hatfield Room, Hatfield Library

Students who were awarded Julie Carson Undergraduate Research Grants or the Science Collaborative Research Program awards will discuss how the experience of doing independent research has impacted their lives.

Moderator: Scott Hawke

Chris Babayco: SCRP

Zach Holmboe: SCRP

Jon McNeil: SCRP

Angela Mitchell: SCRP

Lynn Miyahira: CARSON

Amy Nanney: CARSON

11:15 a.m. - 12:15 p.m.

Anne Sexton Poetry Project

Students who were in Acting I, in the Fall of 2002, created an artistic representation of a collection of poems by Anne Sexton. They will perform work from this final semester project.

Kresge, Theatre Playhouse

Moderator: Susan Coromel

Sam Bailey

Kayti Barnett

Sharon Barto

Ryan Carty

Bennet Herbison

Scott Herman

Sheena Kohlsted

Mike Le Chevallier

Briana Ledford

Jessica Lynch

Lesli Okorn

Adam Saucy

Jessie Wasson

Winnie Yong

AFTERNOON ACTIVITIES

12:15 - 1:00 p.m.

**Nature Walk: A Pleasant Stroll with the Campus Naturalist, Natural History at
Willamette University**
South Side of Waller Hall

This is an opportunity for the community at Willamette University to learn about the Natural History of Willamette University and the newly created Campus Naturalist position. The walk will consist of a short stroll through the Willamette University campus and the Capital Grounds. Along this stroll participants will learn the importance of local ecology, local mammals, birds, plants and the ecological systems all of us are a part of.

Moderator: David Craig

Daniel Ramirez, tour leader

12:15 - 1:00 p.m.

The Chrysalis: Introducing a New Student Publication
The Montag Center Multi-Purpose Room

The introduction of a new Willamette University student literary arts magazine, *The Chrysalis*. This brand new publication will showcase students' art and writing projects. Contributors to the first issue, which will be distributed at this time, will be on hand to share their work. Refreshments will be provided by the editors of *The Chrysalis*.

Moderator: Gretchen Moon

Adrienne Davich, editor

Mike Ross, assistant editor

Crystal Weber, assistant editor

1:30 - 2:30 p.m.

Music Program

Hudson Hall, Mary Stuart Rogers Music Center

Suite No. 1 for 'Cello, J.S. Bach (1685-1750); Prelude, transcribed by John W. Duarte; Solea, Pedro Cortez (Contemporary)

Evan Buechley: Guitar

Suite No. 1 for 'Cello, J.S. Bach (1685-1750); Prelude, Arr. Trent Kynaston; Allemande

Jasmyn Caoile: Saxophone

Scherzo in C# minor, Op. 39, F. Chopin (1810-1849)

Amanda Rice: Piano

"*Bella Sicome*", Gaetano Donizetti (1797-1848); from *Don Pasquale*

Josh McCall: Baritone

Sonata No. 3 in A minor, Op. 28, Sergei Prokofiev (1891-1953)

Ian Scarfe: Piano

Duo in E^b for Clarinet and Piano, Norbert Bergmüller (1810-1836)

Beth Berends: Clarinet

Ann Snelling: Piano

"*Sing for Your Supper*", Richard Rodgers (1902-1979); from *The Boys from Syracuse*, Lorenz Hart (1895-1943)

Robin Ricard: Soprano

Kara Michels: Mezzo-Soprano

Lisa Oakley: Alto

Jana Fischer: Piano

Evan Buechley's Faculty Sponsor is John Doan.

Jasmyn Caoile's Faculty Sponsor is Randy Kern.

Amanda Rice's Faculty Sponsor is Jean-David Coen.

Josh McCall's Faculty Sponsor is Wade Baker.

Ian Scarfe's Faculty Sponsor is Anita King.

Beth Berends & Ann Snelling's Faculty Sponsor is Cindi Bartels.

Robin Ricard, Kara Michels, Lisa Oakley, & Jana Fischer's Faculty Sponsor is Janice Johnson.

1:30 - 3:30 p.m.

Oral Presentation Panels

Collins Science Center, Eaton Hall, Kresge Theatre, Smullin Hall

On Earth & In Space (Collins 210)

Moderator: Chuck Williamson

Andrea Kunder

Stardust Memories: A Semester Studying Galactic Dust

Mark Mosson

Measuring the Sharpness of Resonant Frequencies of Amorphous Metals for Possible Use in Gravitational Wave Observatories

Joan Sackett

*Analysis of the Decomposition of Plant Hormones in the Media at Cultured Guard Cell Protoplast of *Nicotiana glauca**

Penny Spiering

*The Diet of Caspian Terns, *Sterna caspia*, and a Field Guide for the Identification of Prey Items on the Pacific Coast*

Local Behavior (Collins 201)

Moderator: Sue Koger

B. Christine Hoekenga

If the Shoe Fits: An Ecological Footprint of the Willamette University Campus

Amy Muhs

*Communal Chimney Roosting of Migrating Vaux's Swifts (*Chaetura Vauxi*) Near Salem, Oregon*

Christopher Parisi

"Looking Good!": Flirtation, Gender, and Compliment Behavior at Willamette

American Attitudes & Attitudes of America (Smullin 129)

Moderator: Suresht Bald

Garrett Kuramoto

The House that America Built: Development of the Modern Ballpark and Current Trends in Stadium Architecture

Katie Pierce

Who Makes the Call? Striking a Balance Between Paternalism and Autonomy in the Coach-Athlete Relationship

Emily West

Stakeholder Groups, Politics, Power, and Appropriations: Can You Still Build the Puzzle When Pieces are Missing?

Lynn Miyahira

Okinawa's Awkward Guests: Conflicting Opinions Surrounding the U.S. Military Bases in Okinawa

Inequality & Injustice (Eaton 211)

Moderator: Paul Howard

Jean-Pierre Hill

Economic Inequality: China's Policies Towards Ethnic Minorities

Carl Hillig

Defining the Enemy: Citizenship in Times of Conflict: The Case of Jose Padilla

Melissa Robe

Imminent Justice: A Plea for International Recognition of Kosovo Independence

Diana Symons

Labor Camps in the Works of Grossman, Shalamov, and Solzhenitsyn: The Gulag as a Microcosm of Soviet Society

Social Constructions (Collins 408)

Moderator: Leslie Dunlap

Kevin Boots

From Terra Cotta to Mao's Little Red Book: 5,000 Years of Hero Worship in China

Jessie Bowen

Gentle Anarchy: How Media Portray Hippies as a Reaction to the "American Nightmare"

Bracken Killpack

Neo-Shamanism: New Age Spirituality or Exploitation

Sun Yu

The Historical Museum of Sexual Slavery by the Japanese Military: A Rhetorical Analysis of the Military Comfort Women Issue Through the Lenses of Metaphor and Narrative Theory

Science & The State (Smullin 130)

Moderator: Stasinos Stavrianeas

Aaron Lien

The Politicization of Science in the Policymaking Process: An Analysis of the Climate Change Policy of Two Presidential Administrations

Gregory Orzell

Stalin's Treatment of Scientific Intellectuals

Gregory Reinert

Unequal Exposure: A GIS Analysis of Race, Poverty, and Environmental Hazards in Oregon's Capital

Jami Tautfest

Water Resource Allocation in the San Joaquin Valley: Dealing with Issues of Environmental Externalities and Scarcity

Narrative Methods (Smullin 222)

Moderator: April Overstreet

Skye Forbes

Romance as a Way of Life: Reading and Writing the Romance Novel

Avi Katz

My Voice Is an Angry Drum: Shamanic Spiritual Narratives in the Northwest Native American Tradition

Meghan Mallea

The Fantastic: A Means of Overcoming Oppression Under Franco In El cuarto de atras

Devon Ward-Thommes

Gustave Flaubert's Madame Bovary: Paradoxes Within a Paradox

Moving Pictures (Kresge Theatre 218)

Moderator: Nacho Cordova

Graeme Byrd & Katherine Hastings

Sense of Place: A Video collaboration between WU and the University of Colorado, Boulder

Jacen Greene-Powell

Making Monster Movies

Kathryn Moody

Behind the Scenes of Adventures in Gap-Land: An Exploration of Sequential Visual Narrative

Craig Webster

Life Is

3:45 - 4:15 p.m.

An Animated Tale: A Collaboration in Animation, Modifying an Old Tale

Rogers Rehearsal Hall, Mary Stuart Rogers Music Center

This project was completed for CS451: Topics in Animation. It was a collaboration between students from computer science and music. A group of computer science students wrote the story, drew the storyboards, created the initial animatics, and rendered the final animation, while the student from the music department simultaneously crafted the soundtrack for the piece. In the end, the two separate pieces were cleaved together, resulting in a non-traditional, witty, and somewhat original tale of a boy, his rival, and, of course, his girl.

Moderator: Jenny Orr

Benjamin Cramer

Andrew Koch

Sean Madden

Trent Parker

Bennett Rainville

Tom Watson

3:45 - 4:30 p.m.

Presidential Scholar Presentation

Hatfield Room, Hatfield Library

Progress Toward the Total Asymmetric Synthesis of Kalkitoxin

This project explains how applications for the synthesis of organic molecules range from drug discovery to polymer design. The synthesis of kalkitoxin, a natural product found in cyanobacteria, promises at least two positive contributions. As a potential pharmaceutical, its use may include treatment for cardiac arrhythmia. Furthermore, employing new synthetic methodology for constructing the kalkitoxin core has the potential to contribute to the synthesis of other molecules with similar structure, many of which may have useful applications. Efforts toward the total stereoselective synthesis of (+)-kalkitoxin were carried out to demonstrate a viable method for installing the acyclic α , β , δ -trimethyl core at C7, C8, and C10 in high enantioselectivity.

Moderator: Carol Long, CLA Dean

Benjamin J.D. Wright

EVENING ACTIVITIES

4:30 - 6:00 p.m.

Reception for CLA students, faculty, staff, and invited guests
The Cat Cavern

5:00 - 5:30 p.m.

Jazz Combo: Jazz Quatre
The Cat Cavern

Coach: Stan Bock

Sean Carlson: Electric Bass

Daniel Fennessy: Trombone

Kristin Friesen: Piano

Ryan Irving: Drums

6:00 - 8:00 p.m.

Student Video Screening: A Production by Students in Andrea Wallace's Video Art I & Video Art II Courses
Smith Auditorium

A production by twelve Video Art students who, throughout the Fall 2002 and Spring 2003 semesters, have completed many different short videos expressing their views on many different ideas and experiences. Each group of videos shown will focus on different times and on ideas ranging from "memory" to "anti-apathy."

Moderator: Andrea Wallace

Graeme Byrd

Ken Christensen

Allyson Dutko

Sean Fennell

Katherine Hastings

Chelsea Knotts

Ann Kresge

Carrie McIntyre

Meghan Roberts

Elizabeth Rodda

Christopher Taleff

John Turner

All-Day Activities

10:00 a.m. - 5:00 p.m.

Senior Art Majors' Exhibition

Hallie Ford Museum of Art

Emily Bonifaci: Mixed Media Collage

Alma Hadrovic: Thesis

Garrett Kuramoto: Thesis

Katie Moody: Mixed Media Illustration

Edwina Phillips: Thesis

Rosemary Roberts: Mixed Media Collage

Emily Scott: Thesis

Terra Shiffer: Acrylic Painting

Kelsey Tibbles: Thesis

Brandon Drake: Ceramic Sculpture

Katie Hastings: Mixed Media Illustration

Alina Maunu: Thesis

Trent Parker: Computer Animated Video

Meghan Roberts: Video

Karly Schubothe: Thesis

Gwenn Seemel: Acrylic Painting

Chris Taleff: Photography

Sun Yu: Mixed Media Portraits

10:00 a.m. - 5:00 p.m.

Spring Review Art Exhibition

Montag Center

An exhibit by Art and Art History sophomores and juniors.

ABSTRACTS

Student's Name: In alphabetical order

Student's Major

Presentation Panel, Time & Location

Presentation Title

Presentation Abstract

[Reason for project, paper or thesis, & when it was completed.]

Jennifer Abbott

Sociology

Health Care: Herbs to HMO's 9:00 a.m. Smullin 222

Exploring the Balance Between Traditional Medicine and Western Biomedical Health Care in a Contemporary Setting: Qualitative Investigations of a Coastal Salish Tribe

This study focused on the health and health care of a Coastal Salish Native American tribe before and after colonization. The theories of disease causation and the practices employed in contending with disease were explored. The exploratory portion of this study focused on living tribal members and relied largely on data derived from self-reflective surveys and follow-up interviews with visitors to the tribal clinic. Many of the respondents were unfamiliar with the traditional health care practices of their ancestors, but were interested in reviving their lost culture. The results of the study, which found that the poor health of the respondents was directly attributed to socioeconomic conditions following colonization, will be discussed.

[A Senior Project completed in the Fall of 2002.]

Jenny Andrews

Environmental Science

Little Shop of Horrors: Pesticides, Carnivory, & Predation 9:00 a.m. Collins 204

Control Methods for English Ivy (Hedera Helix), Deepwood Estates, Salem, Oregon

This project was established to test pesticide and hand-removal methods for Hedera Helix in one-meter plots for the next two or more years. The Deepwood Estate, adjacent to Pringle Creek and Bush Park, represents an interesting interface of native and non-native vegetation. Hedera Helix, or English Ivy, dominates the understory and undermines ecosystem function as an invasive species.

[A Senior Thesis completed in the Spring of 2003.]

Jacob Berg

Biology & Politics

War & Its Legacies 9:00 a.m. Smullin 129

Biological and Feminist Explanations for the Human Tendency for War

War, as horrible as it is, has been a human phenomenon throughout history. There exists a certain moral void explained in early Liberal thought that allows and encourages aggression and war. This thesis seeks to answer why this is so by looking at various thoughts and theories. By looking at Feminist thought it was discovered how gender structures force the patriarchy to promote aggression, and by examining Biological thought it was discovered how humans are not the only species that participates in intraspecific aggression. It will be shown how and why, by the weaving of these two theories, aggression exists and how we as humans can better understand why war is so often the result.

[A Senior Thesis completed in the Spring of 2003.]

Megan Bladow

Theatre

What I See, or Don't! 9:00 a.m. Eaton 211

Razzamatazz Rascals Children's Theatre

For my senior project, I founded a children's theatre company, directed a show called "Razzy Rascal's Story Smorgasbord," and shared it with local elementary schools. I will present clips from these performances and conduct an open discussion of the project and children's theatre. I will also share theatre games designed for classroom use and ideas on how to interact with kids in a fun and exciting way.

[A Senior Project completed in the Fall of 2002.]

Emily Bonifaci

Art Studio

War & Its Legacies 9:00 a.m. Smullin 129

To Let Their Flames Burn Up to the Sky: The Influenced Art of Holocaust Memorials and Monuments

This project is an examination of the influences and eventual manifestations of Holocaust monuments and memorials constructed following the end of WWII through the present day. The discussion includes "public memory" sites in Germany, Western and Eastern Europe, Poland, Israel, and the United States. Influences on the designs of memorials such as political pressures, attitudes towards Jews, understandings of the events of the Holocaust, and issues of national identity will be discussed. Examinations of specific memorials in each region will be presented, along with several examples that are considered to be successful in their task of memorializing the victims of the Holocaust.

[A HIST442W: The Holocaust project completed in the Fall of 2002.]

Kevin Boots

Politics

Social Constructions 1:30 p.m. Collins 408

From Terra Cotta to Mao's Little Red Book: 5,000 Years of Hero Worship in China

This project focuses on hero worship as a part of the Chinese culture. The similarities and differences between three periods in Chinese history will be reported on. The three periods to be analyzed are: 1) the Qin dynasty, which began the first Imperial era and represents a beginning period; 2) the Ming dynasty, which represents a middle period; and 3) the MaoTse-tung or modern era. There will be a focus on the first Ming emperor Zhu Yuanzhang, the adulation and quasi-deification of Mao Tse-tung, and the differences between "official" and folklore accounts of the leaders.

[An Independent Project completed in the Spring of 2003.]

Jessie Bowen

Sociology

Social Constructions 1:30 p.m. Collins 408

Gentle Anarchy: How Media Portray Hippies as a Reaction to the "American Nightmare"

This thesis examines the hippie counter-culture of the 1960's and the way the media framed the movement as a social problem. Articles from five popular journals of the time were analyzed and the results will be discussed.

[A Senior Thesis completed in the Spring of 2003.]

Justin Brown

History

Health Care: Herbs to HMO's, 9:00 a.m. Smullin 222

Shamanic and Western Practices of Hallucinogen Use and Abuse

This project attempts to show the problems of legal status and abuse of hallucinogens in America. One area that will be discussed is how Western notions of synthesized drugs and recreational use of consciousness altering substances have become enmeshed with traditional hallucinogens of Shamanic cultures, making the experience and hazards different in different cultures. Shamanic ritual use of hallucinogens was based upon tradition spanning many generations of experience and planning by Shamans, who passed this knowledge through lengthy apprenticeships. A possible answer to the question of why the use of these powerful ethnogens in a Western setting tends to center around a recreational atmosphere, abuse and negative personal or emotional effects, while these uses are almost unheard of in indigenous Shamani societies, will be proposed.

[A REL 352: Shamanism project completed in the Fall of 2002.]

Tomaz Bukovnik

German

Interpretations & Comparisons 9:00 a.m. Collins 210

Translation of Erich Fried Poetry: Trilingual Translations from German to English to Slovenian

With globalization and a "one nation" idea, the realm of the world has been assimilatory across borders as never before. In the process, some of a nation's cultures and languages are losing their merit or are disappearing altogether. This trilingual translations project was done to protect the Slovenian language and to show the expressive beauty of it. The project involved taking twenty-five German poems, written originally by Erich Fried, and translating them into English and Slovenian.

[A Senior Seminar project completed in the Spring of 2003.]

Graeme Byrd

Film Studies & Art Studio

Moving Pictures 1:30 p.m. Kresge Theatre 218

Sense of Place

Presented by Graeme Byrd and fellow Willamette University student, Katherine Hastings, this project was a video collaboration between students at Willamette University and The University of Colorado, Boulder. The project consists of four video shorts; two completed by a student from The University of Colorado, Boulder, and two completed by Graeme and Katherine. All of the students involved gathered media on their respective locations, then they explored the creative process of video production by exchanging and editing each other's footage.

[A Video Art II project completed in the Fall of 2002.]

Stephanie Chase

History

Support & Development 9:00 a.m. Smullin 130

The Resurrection of the West German Economy 1945-55

In evaluating decisive factors in post WWII German reconstruction, this thesis examines pre-existing conditions and ideology prominent in pre-war Germany, identifying fascist bureaucracy's instrumental role in pre- and postwar economics. This thesis contends it was the very fascist structure the Allies sought to eradicate from postwar Germany that was the country's saving grace.

[A Senior Thesis completed in the Fall of 2002.]

Amanda Conradt

Politics

Support & Development 9:00 a.m. Smullin 130

Saving Labor: Oregon's Experiment with the Initiative Process

This project examines the relationship between the initiative system and organized labor in Oregon, specifically the way labor in Oregon has used the initiative system to reaffirm itself politically. How the initiative process has helped change the fate of labor in Oregon will be discussed, along with how, currently, organized labor is involved in leading the push for what is seen as badly needed initiative reform in Oregon and how the future of the initiative system will affect national politics and labor policy in Oregon and nationally.

[A Senior Seminar project completed in the Spring of 2003.]

Adrienne Davich

English & Anthropology

War & Its Legacies 9:00 a.m. Smullin 129

The Holocaust and the Jewish Ghetto Experience: Letters, Diaries, and Memoirs

This project focuses on the Jewish experience in the Polish and Russian ghettos during the Holocaust and how these experiences can be most intimately understood through the examination of personal narratives. The main ideas that will be discussed are: how letters, diaries and memoirs are all rich sources of personal but subjective accounts of history; how, although subjective writing requires us to consider the limitations of memory and individual bias, it also invites us to experience emotionally profound accounts in such a way that can't quite be captured by objective writing. This research focuses on the human aspect of the Jewish experience in the ghettos that is related in subjective accounts and it examines recurrent moral and emotional issues that appear inseparable from the ghetto existence.

[A Senior Seminar project completed in the Spring of 2003.]

James Davidson

Music

Interpretations & Comparisons 9:00 a.m. Collins 210

The Conductor's Interpretive Stance: A Comparative Analysis of Four Recordings of Haydn's Symphony No. 104

This project aims to gain insight into the conductor's role in the interpretive process by comparing and contrasting four different recorded performances of Haydn's Symphony No. 104. Points of comparison include: the conductor's stylistic approach; the choice to use period versus modern instruments; tempo, dynamic, and articulation subtleties; and recording techniques. Considerable differences in sound quality, emotion, and meaning that arise from each conductor's interpretations will be demonstrated. Reviews of these recordings and statements by the conductors will be presented.

[A MUSC447: The Music of Haydn project completed in the Spring of 2003.]

Brian Fanning

German & International Studies

War & Its Legacies 9:00 a.m. Smullin 129

Darüber Spricht Man Nicht: Anti-Americanism in Post-War Germany

This paper examines German anti-Americanism from 1945 to the present. It draws from a number of German language sources to explain the legacy of anti-Americanism in the German culture and it makes predictions about the future of German-American relations in light of the post-September 11th War on Terrorism and the increasing tensions between the United States and the European Nation.

[An Independent Study completed in the Spring of 2003.]

Skye Forbes

English

Narrative Methods 1:30 p.m. Smullin 222

Romance as a Way of Life: Reading and Writing the Romance Novel

This project explores why romance novels are so popular, making up over fifty-percent of all popular fiction sales, but are discredited as merely formulaic by scholars and critics. To this end, romance novel authors and editors were interviewed, and eventually Skye began to write her own romance novel, just to see if it could be done. The results of this project will be reported on, and a short reading from Skye's novel in progress will be included.

[A Senior Thesis completed in the Spring of 2003.]

Tyler Gaspard

Economics

Support & Development 9:00 a.m. Smullin 130

The Rise of Fannie Mae and Freddie Mac in the Mortgage Finance Industry

This project addresses the evolution of the mortgage finance industry and its ability to spark heated debate in recent years. The two government sponsored enterprises at the heart of the controversy, Fannie Mae and Freddie Mac, which were created by the government to support the private sector in making home loans more affordable and available nationwide, will be discussed, along with their original missions and how they have rapidly evolved over the last two decades, making them dominant in the industry. Points to be analyzed are how their dominance has been fueled by government granted advantages and the implications of this dominance for consumers, private lending firms, and government.

[A Senior Seminar project completed in the Spring of 2003.]

Jacen Greene-Powell

China Studies

Moving Pictures 1:30 p.m. Kresge Theatre 218

Making Monster Movies

This presentation will feature a ten-minute movie: a horror parody entitled *Zombie Squirrels Ate My Nuts*. The art of making monster films will be discussed and the history of the genre and common techniques will be detailed.

[An ENGL 332: Screenwriting project completed in the Spring of 2003.]

Katherine Hastings

Film Studies & Art Studio

Moving Pictures 1:30 p.m. Kresge Theatre 218

Sense of Place

Presented by Katherine Hastings and fellow Willamette University student, Graeme Byrd, this project was a video collaboration between students at Willamette University and The University of Colorado, Boulder. The project consists of four video shorts; two completed by a student from The University of Colorado, Boulder, and two completed by Graeme and Katherine. All of the students involved gathered media on their respective locations, then they explored the creative process of video production by exchanging and editing each other's footage.

[A Video Art II project completed in the Fall of 2002.]

Amber Henderson

Chemistry

Support & Development 9:00 a.m. Smullin 130

Refugee Education: A Case Study of the International Refugee Center of Dakar, Senegal

This project considered school children from Sierra Leone and Liberia and the many obstacles they face learning as refugees in Senegal. Areas that will be addressed are how stressors, such as cultural differences and the loss of family and community, negatively influence student achievement, and the many ways that an alternative school can deal with these issues. The International Refugee Center of Dakar will be cited as a case study.

[A Study Abroad research project completed in the Fall of 2002.]

Jean-Pierre Hill

Computer Science

Inequality & Injustice 1:30 p.m. Eaton 211

Economic Inequality: China's Policies Towards Ethnic Minorities

This project examines China's economic inequality between the ethnic Han majority and one of the 56 minorities identified by the Chinese government, the Hui minority. It uses the analysis of updated statistical data and information on Chinese policies regarding ethnic minorities to help show that the Chinese government is putting significant effort into increasing ethnic minority income and enrollment in higher education, while limiting their "threat" to majority Han jobs and economic power. This project provides an interesting look at current political and economic interests in a rising communist power.

[A CHNSE 254: Lang/Ethnicity/Folklore in China project completed in the Spring of 2003.]

Carl Hillig

Politics

Inequality & Injustice 1:30 p.m. Eaton 211

Defining the Enemy: Citizenship in Times of Conflict: the Case of Jose Padilla

This work is a philosophical and legal journey through the implications of denying the rights of citizenship. It is an exposition of the case of Jose Padilla, a Puerto Rican American who converted to the Muslim religion and, according to the government, became part of Al Qaeda, helping them plot to detonate a radioactive bomb somewhere in the United States. Themes of constitutional law, law philosophy, labels, morals and their implications, and how the inherent powers of the President could render the constitution worthless will be discussed.

[A Senior Seminar project completed in the Spring of 2003.]

B. Christine Hoekenga

Environmental Science & Rhetoric and Media Studies

Local Behavior 1:30 p.m. Collins 201

If the Shoe Fits: An Ecological Footprint of the Willamette University Campus

Ecological footprinting is a way of measuring the environmental impacts of a city, institution, or individual in units of land required to provide resources and serve as waste sinks for their byproducts. This project estimates Willamette's ecological footprint by converting energy and water use, as well as solid waste production, into acres of land. Discussion will include how this footprint provides a baseline from which to measure changes, how it provides suggestions for how Willamette University can more accurately assess its environmental impact, and how it illustrates the areas that need improvement.

[A Senior Thesis completed in the Spring of 2003.]

Avi Katz

Rhetoric & Media Studies

Narrative Methods 1:30 p.m. Smullin 222

My Voice is an Angry Drum: Shamanic Spiritual Narratives in the Northwest Native American Tradition

The oral tradition of storytelling has long been a tool for constructing social identity among Native American tribes of the Northwest and this paper explains how the spiritual elements of Shamanism rely heavily upon oral narratives that establish moral and ethical guidelines for a society that has evolved into a loose ethnic confederacy. This project explains how Northwest Native Americans of the Coeur d'Alene and Spokane tribes have blended these elements to create a strong cultural identity based upon the moral and historical guidelines of Shamanic spiritual narratives.

[A REL 352: Shamanism project completed in the Fall of 2002 and Spring of 2003.]

Bracken Killpack

Politics & Religious Studies

Social Constructions 1:30 p.m. Collins 408

Neo-Shamanism: New Age Spirituality or Exploitation

This paper is a comparison between traditional Shamanism and New Age, or Neo-Shamanism. It argues that although Neo-Shamanic practices are derived from Shamanism they have many differences and should not be considered the same. It highlights the differences between the two in rituals, tools, recruitment, and motivations.

[A REL 352: Shamanism project completed in the Fall of 2002.]

Andrea Kunder

Chemistry & German

On Earth & In Space 1:30 p.m. Collins 210

Stardust Memories: A Semester Studying Galactic Dust

"Dust in the wind, all we are is dust in the wind . . ." Kansas wrote the first song placing dust in the limelight and this study follows their example. A quantitative analysis on the type of dust responsible for "galactic extinction" will be reported on. This type of dust lies between the stars, and knowledge of its distribution is mandatory in investigations of the mysteries facing astronomers today. The composition, formation, and evolution of dust will be discussed, as well as the gravitational potential of the Galaxy, the rate of star formation, and the distance to the center of our Galaxy.

[A Max-Planck Institute for Astrophysics research project completed in the Fall of 2002.]

Garrett Kuramoto

Art History

American Attitudes & Attitudes of America 1:30 p.m. Smullin 129

The House That America Built: Development of the Modern Ballpark and Current Trends in Stadium Architecture

Baseball is a thoroughly American pastime, with its most memorable moments ingrained in the psyches of millions of sports fans throughout the nation. But what of the backdrop against which these memories have been formed? This project traces the development of baseball stadiums, from the first ballparks in the latter part of the nineteenth century, to the days of "cookie-cutter" stadiums, and into the most recent decade of "throwback" parks. The current nostalgic era is examined, with a focus on the desire of architects to design ballparks that evoke memories of famous stadiums of the past.

[A Senior Thesis completed in the Spring of 2003.]

Aaron Lien

Politics

Science & The State 1:30 p.m. Smullin 130

The Politicization of Science in the Policymaking Process: An Analysis of the Climate Change Policy of Two Presidential Administrations

In our country, both political parties consistently use science to support their positions, despite the fact these positions are often contrary to one another. This paper examines the climate change policies of Presidents Clinton and Bush. An in-depth analysis of each administration's policy proposal and the science used to support them will be used to show that though the policies differ, they use the same science for support. As a result of this analysis, an alternative framework for how we should evaluate how science is used in policymaking will be proposed.

[A Senior Thesis completed in the Fall of 2002.]

Meghan Mallea

Spanish & Economics

Narrative Methods 1:30 p.m. Smullin 222

The Fantastic: A Means of Overcoming Oppression under Franco in El cuarto de atras.

This paper explores the significance of the fantastic in overcoming the oppression of women that occurred during the Francoist dictatorship in Spain, when women were considered inferior to men and were limited to the domestic sphere. It explores how females were inculcated with domestic values through religion, education, and Francoist publications. The paper explains how in *El cuarto de atras*, the protagonist is able to use the fantastic to question the patriarchal government, escape from the oppressive environments of her childhood, and find a refuge where she can safely express her doubts and fears.

[A Senior Seminar project completed in the Fall of 2002.]

Kate McClendon

Religious Studies

Religion: Influences & Products 9:00 a.m. Collins 205

Transcending Duality: Sexuality in Shamanism and Other World Religions

This project deals with Shamanism and presents us with a view in which the dualities of the world are made visible and dramatically broken down. Shamanic cosmology is full of juxtaposition: beautiful and ugly, good and bad, male and female, living and spirit. It explains how the Shaman himself is the master of dualities and how he transcends the living and spirit worlds, and sometimes the more powerful Shaman transcends the worlds of male and female by breaking down gender roles through spirit marriages, sexual orientation and transvestitism. It discusses how, essentially, the greatest Shaman is he who can completely balance male and female, and then transcend the duality.

[A REL 352: Shamanism project completed in the Fall of 2002.]

Aubrey Merryman

Exercise Science

What I See, or Don't! 9:00 a.m. Eaton 211

Vision Training: Effects on Motor Skills and Visual Ability in Experienced Racquetball Players

This study investigates the effects of vision training on visual ability and motor skills in racquetball players. Fourteen participants were randomly assigned to either a treatment using visual training and traditional racquetball practice, or a control group with practice only. Stereopsis (depth-perception), oculomotor skill (hand-eye coordination), and a sport-specific motor performance (a wall-volley test) were measured before and after four weeks of training. The results of these studies will be revealed, and the conclusion that vision training leads to no significant improvements in visual ability or in the transfer to motor performance for racquetball players will be discussed.

[A Senior Project completed in the Spring of 2003.]

Lynn Miyahira

Politics

American Attitudes & Attitudes of America 1:30 p.m. Smullin 129

Okinawa's Awkward Guests: Conflicting Opinions Surrounding the U.S. Military Bases in Okinawa

Lynn traveled to Okinawa, Japan where she interviewed people of various ages and economic backgrounds in the hope of obtaining a balanced view about the U.S. military presence in Okinawa. She will share her findings, which include conflicting opinions about the subject.

[A Carson Grant study completed in the Summer & Fall of 2002.]

Kathryn Moody

Art Studio

Moving Pictures 1:30 p.m. Kresge Theatre 218

Behind the Scenes of Adventures in Gap-Land: An Exploration of Sequential Visual Narrative

From Ames Guides to Adobe Photoshop the comic book-making process is surprisingly involved. This thesis addresses the interdisciplinary nature of this medium as experienced in the production of an original comic book, *Adventures in Gap-Land*.

[A Senior Thesis completed in the Spring of 2003.]

Mark Mosson

Physics

On Earth & In Space 1:30 p.m. Collins 210

Measuring the Sharpness of Resonant Frequencies of Amorphous Metals for Possible Use in Gravitation Wave Observatories

This project involved measuring the quality factor Q for a material called MBF-20, a form of amorphous metal, or metallic glass, that is a candidate for use in the suspension system of gravitation wave observatories. The methods and results of this project will be discussed.

[A Senior Research project completed in the Fall of 2002.]

Amy Muhs

Biology

Local Behavior 1:30 p.m. Collins 201

Communal Chimney Roosting of Migrating Vaux's Swifts (Chaetura Vauxi) Near Salem, Oregon

Vaux's swifts are neotropical migrants that breed in western North America. Their natural roosts are in large, hollow trees, especially in old-growth forests. Due to the depletion of old-growth forest habitats, these birds have adapted to roosting and nesting in human-made structures, particularly in chimneys. The purpose of this study was to locate and monitor major chimney roosting sites of migrating Vaux's swifts in or near Salem, Oregon. The number of swifts peaked in mid-September, declined rapidly for a few days, and then tapered off at a slower rate. This and other results of the study will be discussed.

[A Senior Project completed in the Fall of 2002 and Spring of 2003.]

Amy Nanney

Latin American Studies & Spanish

Religion: Influences & Products 9:00 a.m. Collins 205

Conflicting Interests: The Changing Role of the Catholic Church, the Influence of Liberation Theology, and the Emergence of Evangelic Protestantism in Guatemala During the Civil War of the 1970s and 1980s

This thesis addresses the civil war of the 1970s and 1980s in Guatemala and how the Catholic Church was persecuted for standing up with the Campesinos, resulting in an absence of Catholic clergy that paved the way for the growth of evangelic Protestantism. It will explain how although Guatemala now has a large Protestant population certain Protestant factions are tied closely to a government that continues to promote social justice.

[A Senior Thesis completed in the Fall of 2002.]

Lori Northcraft

Exercise Science

Health Care: Herbs to HMO's 9:00 a.m. Smullin 222

Blisters: Causes, Complications, and Prevention

Blisters are common among active individuals, especially athletes and military participants, and often result in complications. However, examining the factors that cause blisters and identifying preventative measures can avoid their negative effects. This paper discusses etiological factors including frictional-shearing forces, moisture, skin surface, shoes, and socks. Preventative measures including foot anti-perspirant, foot powder, socks, neoprene insoles, and foot care will also be addressed.

[An EXSCI 135: Care and Prevention of Athletic Injuries paper completed in the Fall of 2002.]

Nathaniel Oltmans

History

Religion: Influences & Products 9:00 a.m. Collins 205

The Role of Religion in the Northern Ireland Conflict

This project looks at how politics, economics, and social conditions played a role in the Northern Ireland Conflict, proposing that at the root of those differences lay religious issues. It discusses how the Catholic Church's view was brought into the political realm through Papal Pronouncements and how issues like education and the creation of separate school systems for Catholics and Protestants created discrimination and discontent in the communities.

[An Independent Study completed in the Spring of 2003.]

Gregory Orzell

History

Science & The State 1:30 p.m. Smullin 130

Stalin's Treatment of Scientific Intellectuals

This project discusses, in the broadest sense, Stalin's treatment of scientific intellectuals in Russia from 1930-1950. It looks at which fields he repressed, censored, and forced to follow the party line, and which fields he allowed to function more independently of the state, allowing them to think freely about the work they were doing. The way Stalin and his government treated a number of different fields during this time period will be explored, compared and contrasted. Questions such as which fields were lead primarily by "Stalin's men" and which were allowed to be lead for the most part by their own experts will be pondered.

[A Senior Seminar project completed in the Spring of 2003.]

Christopher Parisi

Anthropology

Local Behavior 1:30 p.m. Collins 201

"Looking Good!": Flirtation, Gender, and Compliment Behavior at Willamette

Based on the corpus of 271 ethnographic recordings and observations collected by fourteen anthropology students during the Fall 2002 semester, this project focuses on compliment behaviors between men and women at Willamette University. This in-depth socio-linguistic study deals with issues of gender and flirtation on college campuses and attempts to unmask the numerous linguistic and social constraints we abide by.

[An Independent Study completed in the Fall of 2002 and Spring of 2003.]

J. Adam Peterson

Politics

Religion: Influences & Products 9:00 a.m. Collins 205

In Search of Zion: The Church of Jesus Christ of Latter-Day Saints - Redefining the Church, Redefining America

This thesis takes an in-depth look at the practices, doctrines and actions of the Church of Jesus Christ of Latter-Day Saints and its relationship with the religious rights of American politics and the movement towards religious acceptance in mainstream America. Three central questions will be discussed: 1) What role did abolishing the practice of polygamy have in the acceptance of the LDS church in America? 2) What LDS teachings and doctrines make it appealing to mainstream America? and 3) What actions by LDS and non-LDS groups led to the widening of mainstream religious acceptance in America?

[A Senior Thesis completed in the Spring of 2003.]

Katie Pierce

Exercise Science

American Attitudes & Attitudes of America 1:30 p.m. Smullin 129

Who Makes the Call? Striking a Balance Between Paternalism and Autonomy in the Coach-Athlete Relationship

This project explores how paternalistic decision making by coaches often conflicts with the athlete's right to autonomy; that is, freedom in self-regarding actions. The complexity of the conflict will be addressed using exemplars including the special case of children, drug use in sports, and returning to play after an injury. A compromise in the form of a morally-decent trusting relationship between coach and athlete, based on the model of informed consent and grounded in open and effective communication, will be explained.

[An EXSCI 135: Concepts & Contemporary Issues in Exercise Science & Sport project completed in the Fall of 2002.]

Daniel Ramirez

Biology & Spanish

Little Shop of Horrors: Pesticides, Carnivory, & Predation 9:00 a.m. Collins 204

Nest Predators in Willamette Gallery Forests: Insights from Experimental Nests

The importance of songbirds in Northwest ecology is well recognized. However, as urban environments increase, pressures on songbirds are growing, resulting in depopulations. In contrast, corvids have been able to adapt themselves readily to human environments and their numbers have increased. The purpose of this study was to understand the roles of corvids in nest predation of the Northwest and the impact of corvids on other birds. The study was conducted on two factors that could affect the predation rates of a songbird's nest, namely nest height and egg coloration. The results of the study, as well as a comparison of predator distribution data from a study in rural Minto-Brown and data collected at Deep Wood Estates in Bush Park, will be discussed.

[A SCRP research project completed in the Fall of 2002.]

Gregory Reinert

Environmental Science

Science & The State 1:30 p.m. Smullin 130

Unequal Exposure: A GIS Analysis of Race, Poverty, and Environmental Hazards in Oregon's Capital

The purpose of this project is to measure environmental equity in Salem, Oregon, with an aim to contribute to a growing body of literature concerned with the unequal distribution of environmental hazards. The project analyzes important previous studies and then conducts an investigation that centers around a series of GIS maps that reveal correlations between environmental hazards and demographics, such as race and income level. The results will be revealed and discussed.

[A Senior Seminar project completed in the Spring of 2003.]

Melissa Robe

Politics & English

Inequality & Injustice 1:30 p.m. Eaton 211

Imminent Justice: A Plea for International Recognition of Kosovo Independence

Self-determination is a powerful concept, but also one wrought with ambiguity and consequence. The question of who maintains a right to declare independence is one that merits careful deliberation. This paper strives to demonstrate why Kosovo Albanians, in keeping with the values of liberal democracy, possess a legitimate claim to such a right, and why the West holds an obligation to validate this claim.

[A Study Abroad project completed in the Fall of 2002.]

Joan Sackett

Chemistry & Biology

On Earth & In Space 1:30 p.m. Collins 210

Analysis of the decomposition of plant hormones in the media at cultured Guard Cell Protoplast of Nicotiana Glauca

This project looked at Guard cells and how they control stomata opening in plant leaves. Guard cell protoplasts were cultured using three different treatments that resulted in morphological and physiological differences: 32°C, 38°C, and 38°C + 0.1 µM abscisic acid (ABA). The aim was to determine possible differences in the concentration changes of the three treatments. Literature suggestions and results will be compared to the findings of this study. The difficulties with higher than expected limits of detection encountered during this project and how they made analysis more difficult, as well as how they affected the results, will be discussed.

[A Senior Project completed in the Fall of 2002 and Spring of 2003.]

Gwenn Seemel

Studio Art & French

What I See, or Don't! 9:00 a.m. Eaton 211

Face Your Fears

This project illustrates how the clichéd reason for making portraits, "faces and the people they are attached to are beautiful," rules the hand and heart of this artist when images are created. Gwenn painted portraits of the Art and Art History Department Professors and she will show how the cliché is only trite in words, not in images. She will share why, in the beginning, she wanted to watch the very people who would be looking at her work most closely react professionally to portraits of themselves. But in the end, she wanted only to show each of them how lovely they are.

[A Senior Seminar project completed in the Fall of 2002.]

Kristin Sinclair

Biology

Little Shop of Horrors: Pesticides, Carnivory, & Predation 9:00 a.m. Collins 204

Inhibition of MAP Kinase Kinase by U0126 Blocks 2,4-D-induced MAP Kinase Phosphorylation but not Coning in Xenopus oocytes

This project shows how the activation of the MAPK pathway leads to maturation in *Xenopus* oocytes, and how that pathway is initiated by progesterone, which activates a signal transduction pathway that leads to the phosphorylation of MAPK through MAPKK and the activation of MRF which induces GVBD. It will explain how 2,4-D, a herbicide that has been shown to block progesterone-induced maturation and GVBD, induces MAPK phosphorylation and causes an abnormal coning morphotype. U0126, a specific inhibitor of MAPKK, was used to determine the mechanism by which 2,4-D induces MAPK phosphorylation and coning. The results of this experiment will be revealed and discussed.

[A Senior Seminar project completed in the Fall of 2002 and the Spring of 2003.]

Mathew Snodgrass

Psychology & Spanish

What I See, or Don't! 9:00 a.m. Eaton 211

Recent Advances in Visual Prostheses: Artificial Stimulation of the Retina Emerges

This project is a review of the literature pertaining to the artificial stimulation of severely damaged visual systems. The capabilities of the cerebral cortex as a processor of information are just beginning to be explored by researchers; studies of brain-computer interaction have focused primarily on corrective sensory impairment. Outlined in this project are the historical developments of cortical and retinal prostheses and the relative contribution of each for treating severe blindness. Implications of this research suggest that the human cortex is able to process information beyond the stimulus sent to it by the various sensory modalities.

[A Senior Thesis completed in the Fall of 2002 and Spring of 2003.]

Penny Spiering

Biology

On Earth & In Space 1:30 p.m. Collins 210

*The Diet of Caspian Terns (*Sterna caspia*) and a Field Guide for the Identification of Prey Items on the Pacific Coast*

Seabirds are increasingly seen as being in conflict with the fisheries. This project addresses how the identification of piscivorous bird diet can have management effects. The method used to determine the diet of Caspian terns will be discussed, as well as a detailed literature search of their diets.

[A Senior Research and SCRP project completed in the Fall of 2002 and Spring of 2003.]

Sarah Sutton

Politics

Health Care: Herbs to HMO's 9:00 a.m. Smullin 222

Get the Paddles Stat! The Rise, Fall, and Resurrection of the Oregon Health Plan

This thesis addresses the health care crisis in America with a primary focus on the Oregon Health Plan. It points out that currently in America there are 41.2 million uninsured people, 475,000 of them Oregon residents (one-quarter of them children). In an effort to fix this crisis in Oregon and nation-wide, policy recommendations will be offered and discussed.

[A Senior Thesis completed in the Spring of 2003.]

Diana Symons

English & History

Inequality & Injustice 1:30 p.m. Eaton 211

Labor Camps in the Works of Grossman, Shalamov, and Solzhenitsyn: The Gulag as a Microcosm of Soviet Society

In his epic novel *Life and Fate*, Vasily Grossman states that Soviet labor camps were "an exaggerated, magnified reflection of life outside." This project compares the descriptions of the camps through the memories of camp survivors, selected plays, short stories, and novels by Grossman, Varlam Shalamov, and Alexander Solzhenitsyn. It shows how the larger themes of suffering, freedom, death, and redemption are treated in these texts. By researching the history of Soviet camps and their portrayal in Russian literature, an investigation into Grossman's claim reveals that life in the gulags was, on many levels, a microcosm for Soviet society.

[A Senior Seminar project completed in the Spring of 2003.]

Jami Tautfest

Economics

Science & The State 1:30 p.m. Smullin 130

Water Resource Allocation in the San Joaquin Valley: Dealing with Issues of Environmental Externalities and Scarcity

This project looks at the Historical Bureau of Reclamation Contract that allows farmers in the San Joaquin Valley to receive highly subsidized waters. It explores why reducing these subsidies would create water conservation and whether this scarce resource could be more effectively allocated in the Southern California area. Additional policies that might promote conservation, including Pigovian Taxes on Drainage and Water Markets, are addressed.

[A Senior Thesis completed in the Fall of 2002.]

Kathryn Theiss

Biology

Little Shop of Horrors: Pesticides, Carnivory, & Predation 9:00 a.m. Collins 204

Dependence of Enzyme Effectiveness and Morphology on Pitcher Age of Nepenthes ventricosa

Many carnivorous plants enhance their nutrition by trapping and digesting prey with modified leaves. Leaf pitchers in the genus *Nepenthes* represent extensions of the leaf midrib and can take up to three months to develop. This study examines how the maturation of the pitcher in *Nepenthes* influences pitcher morphology, fluid secretion, and enzyme effectiveness in prey digestion. It will show how, through the use of Scanning Electron Microscopy analysis, a significant difference in trichome density at different developmental stages was revealed. Findings connected to fluid secretion and the connection with pitcher age and conditions will also be discussed.

[A Senior Project completed in the Fall of 2002 and Spring of 2003.]

Nicole Trammel

Spanish & Politics

Interpretations & Comparisons 9:00 a.m. Collins 210

Women Writers and the Fantastic: Subversion and Liberty

This project explains how fantastic literature can serve as an instrument to deconstruct and reconstruct a new world; how in a fantastic world, a woman may construct her own identity outside of the rigid roles imposed upon her in a patriarchal society. It discusses how through fantastic literature, women writers expose the limits of male-dominated society and construct a new world in which women may be free from these restrictions. Two examples of women's fantastic literature used for this discussion will be *The Youngest Doll* and *When Women Love Men* by Rosario Ferré. In her stories, Ferré uses fantastic elements to subvert patriarchal authority and expose the exploitation of women in society. Through the fantastic, Ferré and other women writers create a world in which they are free to express their discontent in a world in which they are trapped.

[A Senior Seminar project completed in the Fall of 2002.]

Devon Ward-Thommes

French & Psychology

Narrative Methods 1:30 p.m. Smullin 222

Gustave Flauberts Madame Bovary: Paradoxes Within a Paradox

Although *Madame Bovary* is traditionally regarded as a biting criticism of 19th century Romanticism and French bourgeoisie society, Flaubert is notorious for his staunch belief in art for art's sake, that is, art with no social mission, the opposite of la littérature engagée. This project identifies several broad contradictions in Flaubert's message and intent in writing this book, and in so doing discovers underlying paradoxes within his message, which is inherently controversial. Four over-arching paradoxical themes will be presented through an examination of smaller paradoxes that include character development, point of view, form, and content. A review of existing criticisms of *Madame Bovary* will illustrate a deeper awareness of the message, theme and impact of this extraordinary novel.

[A Senior Seminar project completed in the Spring of 2003.]

Craig Webster

Physics & Math

Moving Pictures 1:30 p.m. Kresge Theatre 218

Life Is

This project involved the writing, directing, and producing of a 20 minute film entitled *Life Is*, which explores themes of kinship and mortality through a short narrative structure. The presentation will consist of a screening of the film followed by a short discussion.

[An Independent Study completed in the Fall of 2002 and Spring of 2003.]

Emily West

Politics

American Attitudes & Attitudes of America 1:30 p.m. Smullin 129

Stakeholder Groups, Politics, Power, and Appropriations: Can You Still Build the Puzzle When Pieces Are Missing?

Natural resource agencies are turning to consensus-based stakeholder groups as an alternative watershed management method, and in this thesis three Oregon stakeholder groups are examined in order to identify what elements are critical for successful stakeholder group management. The three groups examined are the Yamhill Basin Council, the Deschutes Basin Ground Water Supply Workgroup, and the Upper Klamath Basin Working group. From these case studies and a review of relevant literature, it will be argued that a clear mission, clear goals, equal ownership of problems and solutions, member trust, collaborative science, flexible and reliable funding, and regular group assessments are critical for all degrees of stakeholder group success.

[A Senior Thesis completed in the Fall of 2002.]

Jennifer Wiegman

English & Anthropology

Interpretations & Comparisons 9:00 a.m. Collins 210

Significance of Cinderella: The Last Tale Type at 510B and It's Importance to the Growing up Process

This project examines three uncommon versions of the Cinderella tale type. Although the tales have fallen out of favor recently because they include uncomfortable issues, such as incest, these tales nonetheless can be important in the development process of children, because they set a positive example for children, especially females. These tales relate important messages to youths, such as showing them that they can overcome tremendous odds, that they should not be afraid of hard work, and that they need to be willing to stand up for themselves and try things. It will be argued that these tales need to be brought into the 21st century, and an example of the possible re-write of the tales will be presented.

[An Independent Study completed in the Fall of 2002.]

Sun Yu

Rhetoric & Art Studio

Social Constructions 1:30 p.m. Collins 408

The Historical Museum of Sexual Slavery by the Japanese Military: A Rhetorical Analysis of the Military Comfort Women Issue Through the Lenses of Metaphor and Narrative Theory

This thesis explores several rhetorical elements of the Historical Museum of Sexual Slavery by the Japanese Military in Korea. The cultural assumptions surrounding this historical event are discussed as well as the consequences of nationalism in Korean and Japanese societies. The rhetorical acts demonstrated in the museum are analyzed through a narrative and metaphorical analysis. The ways in which these rhetorical acts work to construct a collective memory of this forgotten and silenced issue are also shown.

[A Senior Seminar project completed in the Fall of 2002.]

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Willamette Integrated Technology Services

And of course, an extra special *Thank You* to the many faculty who volunteered as moderators, and to the students, whom this day is all about.

*Please join us
inside the
Cat Cavern
for an
Open Reception
4:30 - 6:00 p.m.*

