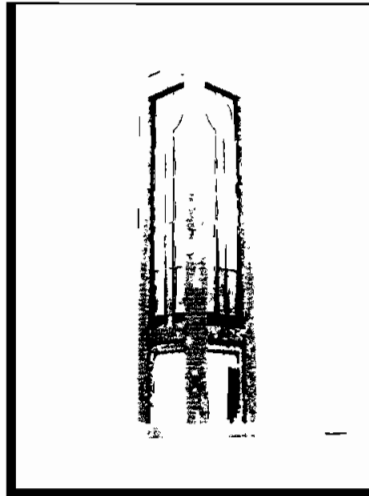


WILLAMETTE  UNIVERSITY

THE FIRST UNIVERSITY IN THE WEST



**2001 Student Scholarship
Recognition Day**

Wednesday, April 11, 2001

COLLEGE OF LIBERAL ARTS | memorandum

DATE: April 11, 2001

TO: College of Liberal Arts Students, Faculty, Parents, and Friends

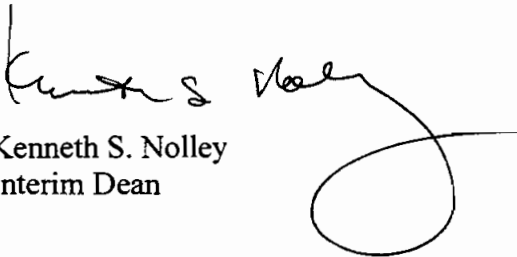
SUBJECT: Student Scholarship Recognition Day

Welcome to Willamette's first annual celebration of student scholarship. We are proud of the achievements of our students, and the presenters in this first Student Scholarship Recognition Day represent some of the best work that Willamette students are currently doing.

For many years, the College has made student scholarship a priority, devoting time and resources to student research within the major and beyond. In recent years particularly, work in the departments has been substantially supplemented by the Science Collaborative Research Program in the sciences, by the Julie Carson Undergraduate Grant Program, and most recently by the Presidential Scholars Program. Work from all of these areas is being presented today.

In addition, you will find the schedule here supplemented by presentations from students in the performing arts. Our day of presentations will begin at 9:00 a.m. and run through 4:30 p.m. We also urge you to remain for our Academic Awards Evening at 6:30 p.m. in Hudson Hall, honoring student academic achievement for this year. Finally, the awards program will be followed at 8:30 p.m. by the premiere screening in Smith Auditorium of a feature-length student film.

It will be a full day, but student academic work at Willamette is full and rich in its achievement.


Kenneth S. Nolley
Interim Dean

STUDENT SCHOLARSHIP RECOGNITION DAY

Wednesday, April 11

SUMMARY OF ACTIVITIES

9:00 a.m.-11:00 a.m. Oral Presentations in Collins Science Center and Eaton and Smullin Halls
(Page 2)

10:00 a.m.-5:00 p.m. Senior Art Exhibition, Hallie Ford Museum of Art
Spring Review Exhibition, Art Department Gallery, Art Building
(Page 5)

11:15 a.m.-12:15 p.m. Research 'Out of the Classroom,' Hatfield Room, Hatfield Library
(Page 3)

11:15 a.m.-12:15 p.m. Acting Auditions, Kresge Theatre
(Page 3)

12:15 p.m.-1:15 p.m. Jazz Ensemble, Goudy Commons
(Page 3)

1:15 p.m.-2:15 p.m. Presidential Scholars' Presentations, Hatfield Room, Hatfield Library
(Page 3)

1:15 p.m.-2:30 p.m. Music Program, Mary Stuart Rogers Music Center
(Page 3)

2:30 p.m.-4:30 p.m. Oral Presentations in Collins Science Center and Eaton and Smullin Halls
(Page 4)

4:00 p.m.-5:30 p.m. Dress Rehearsal for Spring Concert, Mary Stuart Rogers Music Center
(Page 5)

6:00 p.m.-8:00 p.m. Academic Awards Evening, Mary Stuart Rogers Music Center

8:30 p.m.-10:30 p.m. Premiere screening of *Gone Too Long*, a feature length student film, Smith Auditorium

SESSION I--9:00-11:00 a.m. ORAL PRESENTATIONS

(See pages 6-15 for presenters' abstracts)

Culture and International Relations Smullin B17

Jesse Mar Chun (International Studies) *The Dual Nature of Protection and Promotion: France, Culture, and the Internet*

Kristy Cooley, Trevor Davenport, Dante Holloway, Andy Miguel, Allisa Pelroy, Vu Van, Teresa West (Sociology) *Faculty Perceptions of the One-Year Academic Program at WU/TIUA*

Jessica Bogroff, Masa Goto, Kelly Keogh, David Nelson, Chris Schinnerer, Lesley Stilwell, Koji Takei (Sociology) *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students*

Language: Promise and Problems Smullin 222

Travis Harrison (Psychology) *Taboo Language in Popular Music and the Need for Baseline Physiological Response Measures*

Noah Horton (Computer Science) *An Easier Way of Making Neural Networks*

Katie Kanagawa (English) *Awakenings: A Poet's First Verse*

Christine Wade (Psychology) *Real-Time Analysis of Speech Disfluencies: The Effect of Repetition on Comprehension*

Rhetoric and Representation Eaton 209

Eleanor Bayrd (English) *Shakespearean Tragedy in Film and on the Modern Stage*

Vincent Pontier (German) *Billy Wilder*

Trent Wheeler (History) *The Killings in King Street: An Historical Analysis of the Rhetoric Surrounding the Infamous Incidents of March 5, 1770, also Known as the Boston Massacre, and How it Shaped the American Revolution*

Politics and History Eaton 210

Jakob Lutkavage-Dvorscak (Politics) *German and Austrian Small Party Electoral Success*

Dani Mathey (Anthropology) *Women and the Hindu Civil Code: An Examination of Conceptualization and Treatment of Hindu Women in India*

Emily Rusch (History) *The Independence Period in Chile and the United States: A Comparative Study*

Shannon Vincent (Politics) *European Economic Interests in North Africa, 1830-1960*

Values and Public Policy Eaton 307

Sara Brown (Environmental and Earth Sciences) *An Economic and Ecological Analysis of Salvage Logging: Case Study: Willamette National Forest*

Stephen Gingell (Philosophy) *The Theological Problem of Evil*

Flavio Ortiz (Philosophy) *Truth and the Liar Paradox*

Megan Virgili (Environmental and Earth Sciences) *The Color of Pollution: Possible Links between Pollution and Race in the Albina Community of North/Northeast Portland*

Science and Health Collins 2059

Emily Anderson (Chemistry) *Evaluating the Utility of Calcein as a Tool for the Measurement of Cellular Iron Pool*

Jennifer Farrell (Exercise Science) *Classification and Treatment of Acromioclavicular Separations*

Sam Pullen (Biology) *Membrane Metabolism Influences the Sensitivity of *Xenopus* Oocytes to the Herbicide, 2, 4-Dichlorophenoxy-Acetic Acid (2,4 D)*

Lindsay Tuck (Psychology) *Assessing Memory Deficits in Alzheimer's Disease*

Particles and Projectiles Collins 210

Mike Birkeland (Chemistry) *A Competitive Binding Study*

Ben Brooksby (Physics) *Ball Flight*

Brian Huffman (Physics) *Effects of Particle Size on Shrinkage Crack Patterns*

SESSION II

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

Research 'Out of the Classroom,' Hatfield Room, Hatfield Library

A discussion of the research process and experience by recipients of Julie Carson Undergraduate Research Grants (Tobin Addington, Cindy Koenig, Johnny Lake, Julie Sparks) and the Science Collaborative Research Program (Becky Esterly, Sam Pullen, Richard Townley).

Acting Auditions Kresge Theatre

Ben Carr: Monologue *Icarus* by Edwin Sanchez; scene *Fortinbras* by Lee Blessing.

Dan Banakus (Irene Ryan Finalist at Division VII ACTF Regionals in Anchorage, Alaska):

Monologue *A Weekend Near Madison* by Kathleen Tolan; scene *In a Pig's Valise* by Eric Overmeyer.

Nick Williams (Irene Ryan Finalist at Division VII ACTF Regionals in Anchorage, Alaska;

Regional Winner Best Comic Performance): Monologue *The Fan* by Eric Bogosian; scene *A Lonely Impulse of Delight* by John Patrick Shanley.

12:15-1:15 p.m.

Jazz Ensemble in Goudy Commons

Kristen Friesen piano

Matt Hoffman bass

Nick Grant drums

SESSION III

1:15-2:15 p.m.

2000-01 Presidential Scholars Presentations Hatfield Room, Hatfield Library

Lyn Delmastro (History) *Madame D'Epinau, George Sand, Simone de Beauvoir: A Study of the Experience of Being A Woman in Eighteenth, Nineteenth, and Twentieth Century France.*

Nathan Gushwa (Biology and Chemistry) *Generation of a Protein Library for Cultured Guard Cell Protoplasts of Nicotiana glauca.*

1:15-2:30 p.m.

Music Program Mary Stuart Rogers Music Center

Laurie Shimabukuro, violin (Chemistry and Music) and Shelley Lawson (Music and English), piano--*Suite Italienne*, Igor Stravinsky (1882-1971).

Anna Thro, flute (Music)--*Dance de la Chevre*, Arthur Honegger (1892-1955).

Jennifer Hedcock, voice (Business Economics) and Ann Snelling, piano--*Wie Melodien zieht es mir; Von ewiger Liebe*, Johannes Brahms (1833-1897).

Beth Carlascio, voice (Psychology) and David Ingram, piano--*Sleep is Supposed to Be*, Aaron Copland (1900-1990).

Matthew Woolsey (Biology), voice--*Lutad mot gardet, op. 8, no. 1* and *Adagio, op. 20, no. 5*, Wilhelm Stenhammer (1871-1927)

Shelley Lawson, piano (Music)--*Etude op. 10 no. 3*, Frederic Chopin (1810-1849).

Chamber Choir, Jeff Baker, Student Conductor (Music)--*Psalm 100*, Heinrich Schutz (1585-1672).

Brooke Warner (Music) *Music and Text: A Setting for the Magnificat.*

Ki Sun Ruiz (Music) *Compositional Process in String Quartet no. 1.*

SESSION IV--2:30-4:30 p.m. ORAL PRESENTATIONS

(See pages 6-15 for presenters' abstracts)

The Politics of Children Smullin B17

Christy Bainbridge (Anthropology) *Anthropology as Cultural Critique: A Closer Look at Parenting Practices in the U.S.*

Jeff Golimowski (Psychology) *Harm, Consent, and Adolescence in Child Sexual Abuse: A New Theoretical Framework*

Katie Gruver (Rhetoric and Media Studies) *Fighting for Our Children? A Narrative Analysis of OCA's Campaign Rhetoric: Finding the Story Behind the Stories*

Courtney Gregoire (Politics) *The Politics of School Vouchers*

Intervention Studies Smullin 222

Colleen Chrisinger and Matthew Whitehead (Mathematics) *Wheatland Ferry Increased Capacity Analysis*

Adam Dittman (Politics) *The Comparative Effect of Ex Ante Regulation and Ex Post Torte Liability: Reducing Individual and Societal Risk from Second Hand Smoke*

Heather Nunn (Biology) *The Capacity of the Microbial Flora of a Pulp and Paper Mill to Facilitate in the Biobleaching of Thermo-Mechanical Pulp*

Jeff Pearson (Exercise Science) *Positional Plagiocephaly: Controversy, Etiology, Treatment and Prevention*

Ethics, Nonviolence, and Religion Eaton 209

Josh Devenyns (Politics) *A Comparison of the South African Nonviolent Resistance Movement and the U.S. Civil Rights Movement*

Ann Evans (Religious Studies) *Vatican II and Modern Catholicism*

Matt Schruppf (Classics and Religious Studies) *Ostrakon and the Ostracism of 484 BCE*

Sarah Thomsen (German) *Dietrich Bonhoeffer*

Culture and Self-Representation Eaton 210

Aly Ebzery (Art History) *Guayasmin's Mural*

Anna Geer (Anthropology) *Indo-Hispanic Culture in New Mexico: an Invented Ethnicity*

Christine Hanson (Rhetoric and Media Studies) *An Act of Censorship at the Smithsonian: How Fallacies of Historical Narratives Caused the Cancellation of the Original Enola Gay Exhibit*

Reality and Illusion Eaton 307

Matt Fargo (Japanese) *Machida Kou and Tawada Yoko: Contemporary Innovators of Japanese Fiction*

Mary Mitchell (Spanish) *El gitanismo de Federico Garcia Lorca: un analisis del Romancero Gitano*

Julie C. Sparks (English) *This Insubstantial Pageant: Reaffirming Illusions in Shakespeare's Romances*

Todd Zabel (Spanish) *My Chilean Experience: Alberto Fuguet and Cultural Realism*

From Species to Sediment Collins 205

Briana Gross (Biology) *The Consequences of Hybridization: Introgression in camas lilies (Camassia) and Speciation in Sunflowers (Helianthus)*

Richard Townley (Chemistry) *Anti-microbial Activity in Decomposition of Leaves of Mountain Alder (Alnus Tenufolia)*

Kenji Wright (Environmental and Earth Sciences) *R/V Melville Nemo III: Analyzing Physical Properties of Marine Sediments Using MSCL Data*

Animals as Species and Symbols Collins 210

Sara Coffey (Environmental and Earth Sciences) *Using a Geographic Information System (GIS) to Determine Western Pond Turtle (Clemmys marmorata) Nesting Habitat at Amsville Wetlands, Marion Country, Oregon*

Benjamin Hudson (Biology) *A Qualitative Study of Substrate Preference for Scent Marks of Eastern Gray Squirrels (Sciurus carolinensis)*

Cindy Koenig (Rhetoric and Media Studies) *Salmon as Spirit, Sport and Service Provider: Root Metaphors in the Discourse of the Oregon Plan*

OTHER EVENTS

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

Senior Art majors' exhibition *Exploring the Process* Hallie Ford Museum of Art
Sarah Alexander (ceramic sculpture), Tyra Sturzenegger Ayres (prints, dolls), Melissa Christensen (mixed media paintings), Leila Clark (mixed media paintings), Kristy Cooley (Art History thesis), Emily Cohen (ceramic sculpture), Jason Dobbins (Art History thesis), Serena Duckrow (mixed media installation), Aly Ebzery (Art History thesis) Jen Ericksen (prints), Kirsten Feyling (mixed media), Michele Han (mixed media), Nick Marrant (ceramic sculpture), Amber Strickler (Collages)

Spring Review exhibition by Art and Art History sophomores and juniors, Art Department
Gallery on top floor of Art Building

4:00-5:30 p.m.

Dress Rehearsal for Spring Concert Hudson Hall, Mary Stuart Rogers Music Center
University Band *Fantasy on a Gaelic Hymn*, David R. Holsinger
Japanese Tune, Soichi Konagaya
Wind Ensemble *Fanfare pour preceder 'La Peri'*, Paul Dukas
Concertino for Flute and Band, Cecile Chaminade (Ben St. Hilaire, flute,
Music)
Concerto for Two Clarinets and Chamber Winds, Franz Krommer (Beth
Berends, clarinet and Dr. Richard Stewart, clarinet)
Blue Shades, Frank Ticheli

6:00-8:00 p.m.

Academic Awards Evening Mary Stuart Rogers Music Center
6:00 p.m. Dessert Reception. Music provided by Luke Sales, Kristen Friesen, Matt
Hoffman, and Nick Grant
6:30 p.m. Academic Awards Program

8:30-10:30 p.m. Smith Auditorium

Premiere screening of *Gone Too Long*, a Tobin Addington feature length film

Presenters' Titles, Abstracts and Panels

- Emily Anderson (Chemistry) Panel: Science and Health, 9:00-11:00, Collins 205.
Title and Abstract: *Evaluating the Utility of Calcein as a Tool for the Measurement of Cellular Iron Pool* Hereditary Hemochromatosis (HH) is a disease caused by an amino acid mutation in the protein HFE. Calcein, a fluorescent-chelating agent, was used to quantify intracellular iron concentration in a cell line. However, the concentration could not be accurately determined using a Fluorescent Plate Reader and further measurements are required.
- Christy Bainbridge (Anthropology) Panel: The Politics of Children, 2:30-4:30, Smullin B17.
Title and Abstract: *Anthropology as Cultural Critique: A Closer Look at Parenting Practices in the U.S.* A look at how representations of other cultures and perceptions of parenting influence the experience of parents and relations in the U.S. Focusing on how parents in the U.S. draw from the images and ideologies of other cultures in an attempt to achieve a more "natural" and "nurturing" parenting experience.
- Eleanor Bayrd (English) Panel: Rhetoric and Representation, 9:00-11:00, Eaton 209.
Title and Abstract: *Shakespearean Tragedy in Film and on the Modern Stage* A Discussion of how modern advances in theatre and film affect different directors' adaptations of Shakespearean texts. This paper focuses on stage and film productions of *Hamlet*.
- Mike Birkeland (Chemistry) Panel: Particles and Projectiles, 9:00-11:00, Collins 210.
Title and Abstract: *A Competitive Binding Study* Possible competitive binding between the herbicide 2,4-D and the natural hormone progesterone for the high-affinity progesterone binding protein of *Xenopus laevis* oocytes (immature frog eggs) was investigated using the technique of Scatchard analysis. Results were promising, but statistically inconclusive and more work is current being done.
- Jessica Bogroff (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.
- Ben Brooksby (Physics) Panel: Particles and Projectiles, 9:00-11:00, Collins 210.
Title and Abstract: *Ball Flight* Explores the interesting problem of projectile motion for balls traveling through air; observes that surface roughness can act to reduce drag and increase lift by inducing turbulent flow.
- Sara Brown (Environmental and Earth Sciences) Panel: Values and Public Policy, 9:00-11:00, Eaton 307.
Title and Abstract: *An Economic and Ecological Analysis of Salvage Logging: Case Study: Willamette National Forest* Comparison of two fire sites, one with and one without salvage logging, suggests that salvage logging has little effect on ecological health. Economic analysis shows a loss of \$328 million for the non-salvage-logged site. The non-salvage decision was based on public perception, heavily influenced by environmental groups rather than ecological or economic analysis.

- Colleen Chrisinger (Mathematics) Panel: Intervention Studies, 2:30-4:30, Smullin 222.
 Title and Abstract: *Wheatland Ferry Increased Capacity Analysis* The purpose of this study was to determine if the implementation of a larger-capacity, nine-car ferry would significantly reduce rider waiting times. Methods from queuing theory, including probabilistic and deterministic reasoning, were used to complete the analysis.
- Sara Coffey (Environmental and Earth Sciences) Panel: Animals as Species and Symbols, 2:30-4:30, Collins 210.
 Title and Abstract: *Using a Geographic Information System (GIS) to Determine Western Pond Turtle (Clemmys marmorata) Nesting Habitat at Amsville Wetlands, Marion Country, Oregon* GIS analysis, based on slope, aspect, and distance to water, identified possible nesting areas for western pond turtles. Soil compaction, percent vegetative cover, and vegetation height were measured in the field. Preliminary results indicate that ground cover is too high for turtle nesting.
- Kristy Cooley (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17
 Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them succeed. Recommendations stressed the importance of education WU faculty about the one-year program.
- Trevor Davenport (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17
 Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them succeed. Recommendations stressed the importance of education WU faculty about the one-year program.
- Josh Devenyns (Politics) Panel: Ethics, Nonviolence, and Religion, 2:30-4:30, Eaton 209.
 Title and Abstract: *A Comparison of the South African Nonviolent Resistance Movement and the U.S. Civil Rights Movement* The paper compares the nature of the non-violent resistance movement in South Africa during the apartheid period and Black Civil Rights movement in the United States. It evaluates the comparative levels of success of the two movements and examines the role of the state as a key determining factor.
- Adam Dittman (Politics) Panel: Intervention Studies, 2:30-4:30, Smullin 222.
 Title and Abstract: *The Comparative Effect of Ex Ante Regulation and Ex Post Torte Liability: Reducing Individual and Societal Risk from Second Hand Smoke* A case study is used to assess the debate over managed risk in a democratic society. Ought one to regulate behavior to prevent or prohibit exposure (such as statutes and ordinances that say 'thou shalt not allow smoking in common

areas)? Or ought one to provide access to tort remedies (after exposure) that in effect say, "If I get lung cancer from second hand smoke, I can sue my employer for compensatory and punitive damages"? The paper looks at the theoretical implications for this dilemma and examines the available empirical evidence regarding the deterrent effect of risk management strategy.

Aly Ebzery (Art History)

Panel: Culture and Self-Representation, 2:30-4:30, Eaton 210.

Title and Abstract: *Guayasmin's mural* An examination of the Ecuadorian artist's controversial mural for the Parliament building in Quito.

Ann Evans (Religious Studies)

Panel: Ethics, Nonviolence, and Religion, 2:30-4:30, Eaton 209.

Title and Abstract: *Vatican II and Modern Catholicism* The presentation will describe the radical effects that the Second Vatican Council had on the Roman Catholic Church in America. Topics of discussion will include Religious Sisters, the role of women, Catholic education, and Liturgical practices.

Matt Fargo (Japanese)

Panel: Reality and Illusion, 2:30-4:30, Eaton 307.

Title and Abstract: *Machida Kou and Tawada Yoko, Contemporary Innovators of Japanese Fiction* My presentation will report my translations of two Akutagawa award-winning authors, Machida Ko and Yawada Yoko, who represent the new directions that Japanese fiction is taking. Machida (a man) and Tawada (a woman) represent contrasting styles.

Jennifer Farrell (Exercise Science)

Panel: Science and Health, 9:00-11:00, Collins 205.

Title and Abstract: *Classification and Treatment of Acromioclavicular Separations* Patients are often misdiagnosed due to the non-standardized classification system. Once injury occurs, careful analysis of treatment options and rehabilitation is necessary to determine which procedure is most beneficial. Carefully examining the characteristics of separations should lead to an improved system of classification and treatment.

Anna Geer (Anthropology)

Panel: Culture and Self-Representation, 2:30-4:30, Eaton 210.

Title and Abstract: *Indo-Hispanic Culture in New Mexico: An Invented Ethnicity* This paper will examine the construction of Indo-Hispano culture in New Mexico. The analysis will emphasize how rituals, which continue to adapt and transform, have mediated histories of conflict between Hispanic and Pueblo peoples.

Stephen Gingell (Philosophy)

Panel: Values and Public Policy, 9:00-11:00, Eaton 307.

Title and Abstract: *The Theological Problem of Evil* Is it coherent to maintain belief in a God who permits evil? The presentation will articulate the problem, a popular response to it, and criticize that response.

Jeff Golimowski (Psychology)

Panel: The Politics of Children, 2:30-4:30, Smullin B17.

Title and Abstract: *Harm, Consent, and Adolescence in Child Sexual Abuse: A new theoretical framework* Since the late 1970's, the child sexual abuse literature has been viewed in a polarized and static manner. Clinicians and research psychologists have focused their efforts on finding fundamental tenets of the CSA experience and have failed to acknowledge the possibility of consent in adolescent "victims." New research appears to indicate that this framework is both incorrect and harmful. The present paper explores the issues of perceived harm, possibility of consent and developmental age in the literature. A new, individualized framework appears to be justified when working with victims of CSA, including the acknowledgement of the possibility of informed consent being given by some adolescents. Future directions for research are also suggested.

- Masa Goto (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
 Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.
- Courtney Gregoire (Politics) Panel: The Politics of Children, 2:30-4:30, Smullin B17.
 Title and Abstract: *The Politics of School Vouchers* Through an analysis of the history of public education, a review of the theoretical and political origins of voucher proposals, and an examination of voucher programs currently in place, this paper will help to answer the question: What role, in any, should vouchers play in the American education system in the twenty-first century?
- Briana L. Gross (Biology) Panel: From Species to Sediment, 2:30-4:30, Collins 2:05.
 Title and Abstract: *The Consequences of Hybridization: Introgression in camas lilies (Camassia) and speciation in sunflowers (Helianthus)* Investigation of interspecific hybridization suggests that the two species of Camassia are best classified as distinct, whereas study of new species formation in Helianthus supports the idea that speciation may be more frequent than previously assumed.
- Katie Gruver (Rhetoric and Media Studies) Panel: The Politics of Children, 2:30-4:30, Smullin B17.
 Title and Abstract: *Fighting for our children? A narrative analysis of OCA's campaign rhetoric: Finding the story behind the stories* This paper looks at the the different stories told by the Oregon Citizen's Alliance in order to better understand the strategy used in their 2000-2001 campaign to pass measure 9. Cultural narratives such as "Conspiracy Theory," "David and Goliath," "Protect the innocent," and the Science Narrative play out in a significant and effective ways that effect both the way the audience views the OCA, and their actions relating to Measure 9. This analysis concludes with some distinct ethical implications to the use of narrative, especially within political campaigns.
- Christine Hanson (Rhetoric a Media Studies) Panel: Culture and Self-Representation, 2:30-4:30, Eaton 210.
 Title and Abstract: *An Act of Censorship at the Smithsonian: How Fallacies of Historical Narratives Caused the Cancellation of the Original Enola Gay Exhibit* This paper uses narrative theory to uncover the fallacies of historical narrative that were the basis of arguments that caused the cancellation of The Crossroads exhibit at the National Air and Space Museum. It shows that the original exhibit should not have been censored because it was a legitimate and educational display, appropriate for the Smithsonian, even though it presented a markedly different story than the pious "Good War" narrative, told by the favored exhibit that actually went on display.
- Travis Harrison (Psychology) Panel: Language: Promise and Problems, 9:00-11:00, Smullin 222.
 Title and Abstract: *Taboo Language in Popular Music and the Need for Baseline Physiological Response Measures* A discussion on bridging the gap between applied research in response to censorship of language in popular music and basic research in the area of taboo language. A need for clarification on gender differences and mechanisms underlying taboo stimulus response will be discussed. In addition, a program of study that would provide a foundation for future research will be forwarded.

- Dante Holloway (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
 Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them succeed. Recommendations stressed the importance of education WU faculty about the one-year program.
- Noah Horton (Computer Science) Panel: Language: Promise and Problems, 9:00-11:00, Smullin 222
 Title and Abstract: *An Easier Way of Making Neural Networks* When traditional computational techniques fail, many computer scientists use neural networks. Yet, these powerful systems are difficult and time consuming to build. Until now.
- Benjamin Hudson (Biology) Panel: Animals as Species and Symbols, 2:30-4:30, Collins 210.
 Title and Abstract: *A Qualitative Study of Substrate Preference for Scent Marks of Eastern Gray Squirrels (Sciurus carolinensis)* Eastern gray squirrels prefer to scent mark a select few species of large trees with deeply fissured bark. By scent marking these quality trees the squirrels increase their efficiency of communicating with other.
- Brian Huffman (Physics) Panel: Particles and Projectiles, 9:00-11:00, Collins 210.
 Title and Abstract: *Effects of Particle Size on Shrinkage Crack Patterns* The crack patterns that form when a thin layer of aluminum oxide/water dries are studied. Coarser grades of powder produce larger fragment sizes, but in mixtures, the finer grade tends to dominate in determining the fragment size.
- Katie Kanagawa (English) Panel: Language: Promise and Problems, 9:00-11:00, Smullin 222.
 Title and Abstract: *Awakenings: A Poet's First Verse* Eleven poems of various styles and lengths
- Kelly Keogh ((Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17
 Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.
- Cindy Koenig (Rhetoric and Media Studies) Panel: Animals as Species and Symbols, 2:30-4:30, Collins 210.
 Title and Abstract: *Salmon as Spirit, Sport and Service Provider: Root Metaphors in the Discourse of the Oregon Plan* This project is an investigation into the descriptive and prescriptive power of language within issues of public policy. Specifically, it considers the functions of root metaphors in the discourse of Oregon Salmon Restoration.
- Jakob Lutkavage-Dvorscak (Politics) Panel: Politics and History, 9:00-11:00, Eaton 210
 Title and Abstract: *German and Austrian Small Party Electoral Success* The paper compares four political parties in Germany and Austria: the conservative

German Republikaners and the Austrian FPÖ, and the environmental Green parties in both countries. The paper evaluates their levels of electoral success within the context of theories of party organizational and internal dynamics.

Jesse Mar Chun (International Studies)

Panel: Culture and International Relations, 9:00-11:00, B17
Title and Abstract: *The Dual Nature of Protection and Promotion: France, Culture, and the Internet* The Internet, by its nature, is difficult to regulate. Many government, business, and academic leaders assert that regulation of the Internet would undermine the best aspects of the information revolution. However, there may be some instances where a regulatory environment is warranted, particularly in the case of "culture". This presentation will focus upon France's response to these controversies.

Dani Mathey (Anthropology)

Panel: Politics and History, 9:00-11:00, Eaton 210
Title and Abstract: *Women and the Hindu Civil Code: An Examination of Conceptualization and Treatment of Hindu Women in India* While the Indian Constitution guarantees equal rights to all people, the Hindu Civil Code complicates this idea with its definition of women. Using the Code as a lens, it is possible to see the relationship between the law and the treatment of Hindu women in India.

Andy Miguel (Sociology)

Panel: Culture and International Relations, 9:00-11:00, Smullin B17
Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them succeed. Recommendations stressed the importance of education WU faculty about the one-year program.

Mary Mitchell (Spanish)

Panel: Reality and Illusion, 2:30-4:30, Eaton 307
Title and Abstract: *El gitanismo de Federico Garcia Lorca: Un analisis del Romancero Gitano* This thesis analyzes the themes of solitude, death, blood, and the city of Granada in an attempt to capture the essence of the Gypsy spirit in six poems of Federico Garcia Lorca's *Romancero Gitano*.

David Nelson (Sociology)

Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.

Heather Nunn (Biology)

Panel: Intervention Studies, 2:30-4:30, Smullin 222
Title and Abstract: *The Capacity of the Microbial Flora of a Pulp and Paper Mill to Facilitate in the Biobleaching of Thermo-Mechanical Pulp* Microorganisms could be industrially useful as biobleaching agents. Seventeen microorganisms were isolated and tested. Sixty-five percent of the isolates

showed a significant production of xylanolytic enzymes and 41% of isolates increased the brightness of the thermo-mechanical pulp (tmp).

- Flavio Ortiz (Philosophy) Panel: Values and Public Policy, 9:00-11:00, Eaton 307
Title and Abstract: *Truth and the Liar Paradox* I plan to examine and explicate syntactic and therefore semantic aspects of truth that arise from the liar paradox - the paradox that arises when attempting to determine the truth-value of the sentence "This sentence is false."
- Jeff Pearson (Exercise Science) Panel: Intervention Studies, 2:30-4:30, Smullin 222
Title and Abstract: *Positional Plagiocephaly: Controversy, Etiology, Treatment and Prevention* Education and diagnosis are important for treatment of positional plagiocephaly. If intervention takes place early, the success rate is approximately 90%. Surgery should be reserved only for children with severe cases.
- Alissa Pelroy (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17
Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them succeed. Recommendations stressed the importance of education WU faculty about the one-year program.
- Vincent Pontier (German) Panel: Rhetoric and Representation, 9:00-11:00, Eaton 209
Title and Abstract: *Billy Wilder* A presentation on Billy Wilder, the renowned German-American film director. I focus on his films and how they went against the conventions of Hollywood at the time.
- Sam Pullen (Biology) Panel: Science and Health, 9:00-11:00, Collins 205
Title and Abstract: *Membrane Metabolism Influences the Sensitivity of *Xenopus* Oocytes to the Herbicide, 2, 4-dichlorophenoxy-acetic acid (2,4 D)* The herbicide, 2, 4-D blocked hormone-induced meiotic maturation in a concentration and pH-dependent manner, and induced a coned morphology. However, 2, 4-D-induced coning was significantly inhibited when oocytes were co-treated with neomycin.
- Emily Rusch (History) Panel: Politics and History, 9:00-11:00, Eaton 210
Title and Abstract: *The Independence Period in Chile and the United States: A Comparative Study*. My research points to both striking similarities and fundamental differences between the independence movements in Chile and the United States. The study is placed within a wider framework of how comparative history between the U.S. and Latin American countries has been treated over the years, from the 19th century to our current position.
- Chris Schinnerer (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included

- educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.
- Matt Schruppf (Classics and Religious Studies) Panel: Ethics, Nonviolence, and Religion, 2:30-4:30, Eaton 209
 Title and Abstract: *Ostrakon and the Ostracism of 484 BCE* Primitive ballots shed light on ancient impeachments! Aristotle's *Athenian Constitution* is supported by archaeological artifacts unearthed in Athens, Summer 2000 CE.
- Julie C. Sparks (English) Panel: Reality and Illusion, 2:30-4:30, Eaton 307
 Title and Abstract: *This Insubstantial Pageant: Reaffirming Illusions in Shakespeare's Romances* Costume is a central motif in this examination of *Cymbeline* and *The Tempest*. These two late Romances not only reaffirm the value of illusion in Shakespeare's plays, but also provide insight into Shakespeare's view of his own roles as courtier and playwright in Jacobean England.
- Lesley Stilwell (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
 Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.
- Koji Takei (Sociology) Panel: Culture and International Relations, 9:00-11:00, Smullin B17.
 Title and Abstract: *A World of Interaction: A Study of the Social Relationships between WU Students and TIUA Students* In studying social relationships on campus, 77 WU students and 70 TIUA students completed a self-administered survey in November, 2000. As the findings indicated, TIUA students tended to have higher levels of involvement in social activities with WU students despite claims that they did not speak English well enough to talk with their American peers. Recommendations to promote greater social interaction included educating freshmen about TIUA during Opening Days, hosting a welcoming event when TIUA students first arrive in February, and creating a buddy system matching a TIUA student with a WU student.
- Sarah Thomsen (German) Panel: Ethics, Nonviolence, and Religion, 2:30-4:30, Eaton 209
 Title and Abstract: *Dietrich Bonhoeffer* My essay is a brief biography on the life of Dietrich Bonhoeffer, the importance of being educated about Germans other than Hitler and Goebbels, and how Bonhoeffer's life influences me as a Christian.
- Richard Townley (Chemistry) Panel: From Species to Sediment, 2:30-4:30, Eaton 205
 Title and Abstract: *Anti-microbial Activity in Decomposition of Leaves of Mountain Alder, (Alnus Tenufolia)* Mountain alder leaves produce a compound that has an anti-microbial effect. Through careful analysis of the GC/MS results, it is proposed that 1,4- dichlorobenzene is the compound that interferes with microbial degradation of mountain alder leaves.
- Lindsay Tuck (Psychology) Panel: Science and Health, 9:00-11:00, Collins 205
 Title and Abstract: *Assessing memory deficits in Alzheimer's disease* Alzheimer's disease is a degenerative brain disorder characterized by a progressive state of dementia. The gradual deterioration of brain functioning

can lead to the decline of various cognitive abilities, most notably memory impairment. For this reason, effective memory assessment strategies are critical in diagnosing and treating patients. This presentation will examine the importance of effective memory screening devices and evaluate the utility of different assessment measures.

Vu Van (Sociology)

Panel: Culture and International Relations, 9:00-11:00, Smullin B17
Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them succeed. Recommendations stressed the importance of education WU faculty about the one-year program.

Shannon Vincent (Politics)

Panel: Politics and History, 9:00-11:00, Eaton 210
Title and Abstract: *European Economic Interests in North Africa, 1830-1960*
The paper focuses on expansion of European economic interests in North Africa. Special attention is directed to Algeria in order to accentuate a local pattern of development under European influence during this period. Finally, the colonial legacy and the contemporary global economic system are to be put into dialog with one another.

Megan Virgili (Environmental
and Earth Sciences)

Panel: Values and Public Policy 9:00-11:00, Eaton 307
Title and Abstract: *The Color of Pollution: Possible Links Between Pollution and Race in the Albina Community of North/Northeast Portland* Environmental justice requires our society to eliminate government and industry policies that have placed disadvantaged populations directly in pollution's way. Study of the Albina Community of North/Northeast Portland reveals a possible link between race and pollution.

Christine Wade (Psychology)

Panel: Language: Promise and Problems, 9:00-11:00, Smullin 222
Title and Abstract: *Real-Time Analysis of Speech Disfluencies: The Effect of Repetitions on Comprehension* Speech disfluencies, though only recently coming to the fore of psychological research, have plagued speakers for decades. These disruptions in normal speech patterns are common occurrences in every day conversation, yet are considered taboo in professional speaking. It has long been believed that such jolts in a normal speech pattern not only compromise how an audience views the speaker, but also interferes with the listener's comprehension abilities. Current research, however, suggests that perhaps these long-held assumptions about disfluencies are not completely true. The current study examined this issue and, more specifically, the effect of repetitions on a listener's comprehension abilities.

Teresa West (Sociology)

Panel: Culture and International Relations, 9:00-11:00, Smullin B17
Title and Abstract: *Faculty Perceptions of the One-Year Academic Program at WU/TIUA* A survey completed by 53 WU full-time, tenured, and tenure track faculty examined their knowledge, attitudes, and concerns about the one-year academic program at WU/TIUA. Generally, the professors were not well informed about this program. Among the faculty who had taught for TIUA, language presented a barrier in course work. Many faculty had not taught for TIUA because of other department or university commitments. While professors responded favorably concerning the cross-cultural advantages of having TIUA students in WU courses, they needed to provide additional support to help them

succeed. Recommendations stressed the importance of education WU faculty about the one-year program.

Trent Wheeler (History)

Panel: Rhetoric and Representation, 9:00-11:00, Eaton 209

Title and Abstract: *The Killings in King Street: An Historical Analysis of the Rhetoric Surrounding the Infamous Incidents of March 5, 1770, also Known as the Boston Massacre, and How It Shaped the American Revolution* This presentation focuses on the significance of the Boston Massacre in terms of its impact on the American Revolution. This will include analysis of the rhetoric that emerged in the wake of the massacre (with particular emphasis on material printed from 1770-1773) and its effect throughout the colonies.

Matthew Whitehead
(Mathematics)

Panel: Intervention Studies, 2:30-4:30, Smullin 222

Title and Abstract: *Wheatland Ferry Increased Capacity Analysis* The purpose of this study was to determine if the implementation of a larger-capacity, nine-car ferry would significantly reduce rider waiting times. Methods from queuing theory, including probabilistic and deterministic reasoning, were used to complete the analysis.

Kenji Wright (Environmental
and Earth Sciences)

Panel: From Species to Sediment, 2:30-4:30, Collins 205

Title and Abstract: *R/V Melville Nemo III: Analyzing Physical Properties of Marine Sediments Using MSCL Data* Changes in the composition of ocean floor sediment layers can be distinguished by using a synthetic seismogram produced by the MSCL datalogger. The physical properties of sediment cores were confirmed by shipboard core description and the Chirp record of high-resolution digital 3.5kHz profiling.

Todd Zabel (Spanish)

Panel: Reality and Illusion, 2:30-4:30, Eaton 307

Title and Abstract: *My Chilean Experience: Alberto Fuguet and Cultural Realism* Chilean author Alberto Fuguet has created a new literary genre in his country. Cultural Realism is the deconstruction of Magic Realism and it is the representation of the urban existence in Santiago de Chile. The establishment of this new literary style has challenged existing definitions of the Latin American literary canon and continues to surprise readers with its realistic interpretation of urban life.

The Academic Council has coordinated the Student Scholarship Recognition Day activities with the assistance of the Office of the CLA Dean, the Office of Communication, the Office of Financial Aid, and the Office of Student Activities. The following individuals deserve special thanks for their assistance in making the program possible:

Mary DeMuniz, Sarah Jennings, Lisa Jones, Vonnie Martin, Derrick Morgan, Mary Plank, Ford Schmidt, Ben Worsley.