

SOURCE 2009 Award Winners

Outstanding Oral Presentations

ANALYZING CONDITIONAL PROBABILITIES THAT ARE COMMONLY COUNTER-INTUITIVE: WHY YOUR DOCTOR MAY BE WRONG AND HOW TO WIN ON GAME SHOWS

St. Brown, Max

Mentor: Bob Carbaugh, Economics

THE MISCONCEPTIONS OF THE WESTERN WORLD ON ISLAMIC WOMEN

Harlan, Justine

Mentor: Laila Abdalla, Douglas Honors College

SOCIO-ECONOMIC IMPACTS OF HYDRO POWER DAMS: THE BUI DAM PROJECT, GHANA (WEST AFRICA)

Otu-Tei, Clement

Mentors: Kathleen Barlow, Anthropology & Museum Studies; Morris Uebelacker, Geography

TERRESTRIAL AND MARINE FOOD SUBSIDY TO SALMONID DIET: A STABLE ISOTOPE STUDY ON THE YAKIMA RIVER

Johnson, Allison

Mentor: Paul James, Biological Sciences

MANASTASH SHOWCASE

Cavazos, Xavier

Mentors: Katharine Whitcomb, English; Joseph Powell, English; Lisa Norris, English

CHAUCEUR AND THE TRUE VALUE OF ORDINARY EXPERIENCE

Wildes, Sheena

Mentor: Laila Abdalla, Douglas Honors College

INTEGRATING CWU CHESS IN THE ARENA CHESS GUI

Littlefield, Kyle

Mentor: Razvan Andonie, Computer Science

RACE AND PERCEPTIONS OF INJUSTICE: EVIDENCE FROM ATTITUDES ON THE DEATH PENALTY SURVEY

Johnson, Michele

Mentors: Eric Cheney, Sociology; Sarah Britto, Law & Justice

ADULT BEGINNERS PIANO WORKSHOP: RESEARCH AND IMPLEMENTATION OF SKILL-BUILDING TECHNIQUES AND MATERIALS FOR LIFE-LONG LEARNING AND ENJOYMENT

Jaffe, Jan

Mentor: Bret Smith, Music

PUNNING THE PUDENDUM: VIOLENCE, LOVE, AND LEARNING IN CHAUCEUR'S MILLER'S & WIFE OF BATH'S TALES

Sander, Dustin

Mentor: Laila Abdalla, English

FROGS IN SPRING ALL WINTER: OVERWINTERING OF CASCADES FROGS IN WASHINGTON STATE

Barreca, April; Irwin, Jason
Mentor: Jason Irwin, Biological Sciences

QUANTITATIVELY MODELING SURFACE TRAPPING IN NANO-SCALE YTTRIUM OXIDE DOPED WITH EUROPIUM

Mann, Rusty
Mentor: Anthony Diaz, Chemistry

MARY, LILITH OR EVE: WOMEN'S ROLES WITHIN NAZI GERMANY

Geise, Sasha
Mentor: Heidi Szpek, Religious Studies

QUESTIONING SUSTAINABILITY RHETORIC: WHEN CULTURAL PRACTICES SUSTAIN DEPLETION OF NATURAL RESOURCES (AN EXAMINATION OF LAS VEGAS CITY OFFICIALS' SUSTAIN LAS VEGAS POLICY #CM-302)

Zimmerman, Kathryn
Mentors: Rex Wirth, Political Science; Morris Uebelacker, Resource Management; Kathleen Barlow, Resource Management; Nancy Hultquist, Resource Management

NO CAUSE FOR ALARM: A NARRATIVE VIDEO ESSAY

Iiyama, Brian; Allum, Kyle; Brown, Nick
Mentor: Michael Ogden, Communication

USE OF MELTS MODELING AND DETAILED TEXTURAL AND CHEMICAL CRYSTAL POPULATION STUDIES TO DOCUMENT MAGMA CHAMBER PROCESSES AT MT. ETNA, SICILY

Moses, Maureen; Bohrson, Wendy
Mentors: Wendy Bohrson, Geological Sciences; Christopher Mattinson, Geological Sciences

EFFECT OF SEROTONIN ON LOCOMOTORY BEHAVIOR IN THE ROUNDWORM, *C. ELEGANS*

Foss, Eric
Mentor: Lucinda Carnell, Biological Sciences

FUZZY ARTMAP RULE EXTRACTION IN COMPUTATIONAL CHEMISTRY

Abdul-Wahid, Badi; Crivat, Bogdan; Abdul-Wahid, Sarah
Mentors: Razvan Andonie, Computer Science; Levente Fabry-Asztalos, Chemistry

CLEAR AND DIRECTIVE: VALUE CLARIFICATION AS A TOOL FOR ADVANCE DIRECTIVES

Blesj, Lauren
Mentor: Matthew Altman, Philosophy

INCORPORATING FILM INTO THE WOMEN'S STUDIES CLASSROOM

Johnson, Melissa
Department of English

INTEGRATED MARKETING COMMUNICATIONS PLAN FOR HABITAT FOR HUMANITY

Sundborg, Susanna; Reinhardt, Ian; Wohlfarth, Stephanie; Peck, Michael
Mentor: Jeffrey Stinson, Management

**FREQUENCIES AND WAVELENGTHS FROM A NEW FAR-INFRARED LASING GAS:
¹³CHD₂OH**

Petersen, Travis
Mentor: Michael Jackson, Physics

Outstanding Poster Presentations

CWU—DES MOINES

THE SLIPPERY SLOPE: A CONNECTION BETWEEN SMOKING AND DRUG ATTITUDES

Scalf, Natalie; Engel, Cynthia
Mentor: Edward Kingston, Psychology

CWU—LYNNWOOD

CRIME RATES AND THE STATE OF THE ECONOMY

Layher, Reed
Mentor: Krystal Noga-Styron, Law & Justice

CWU—ELLENSBURG

**ELEMENT CONCENTRATIONS IN DRINKING WATER FROM A.C. DAVIS HIGH SCHOOL,
YAKIMA, WA**

Orem, Caitlin; Kendrick, Casey
Mentors: Beth Pratt-Sitaula, Geological Sciences; Carey Gazis, Geological Sciences

**USE OF VISIBLE SPECTROSCOPY TO MONITOR THE REMOVAL OF BROMOTHYMOL
BLUE FROM WATER USING A POLYELECTROLYTE/SURFACTANT/TIO₂ SYSTEM**

Best, Brittany; Tasker, Adam; Hodges, Dave
Mentors: Dion Rivera, Chemistry

**SEXUAL DIMORPHISM OF RECOMBINATION RATES AS A CONSEQUENCE OF
SEXUAL CONFLICT**

Buxel-Florenzen, Stefanie
Mentor: Lixing Sun, Biological Sciences

**THE EFFECTS OF TEMPERATURE ON METABOLIC RATE, VENOM SYNTHESIS, AND
POTENCY IN *PEUCETIA VIRIDANS* (ARANEAE: OXYOPIDAE)**

Galindo, Joanna; Irwin, Jason; Carnell, Lucinda; Galindo, Gracie
Mentors: Jason Irwin, Biological Sciences; Lucinda Carnell, Biological Sciences

**SER-7, A SEROTONIN RECEPTOR, IS INVOLVED IN WITHDRAWAL EFFECTS FROM
LONG-TERM EXPOSURE TO SEROTONIN IN THE ROUNDWORM, *C. ELEGANS***

Sudduth, Brandon
Mentor: Lucinda Carnell, Biological Sciences

**REAL-TIME COMPARISON POLARIMETER FOR DATA ACQUISITION IN
DETERMINATION OF 0TH, 1ST, AND 2ND ORDER RATE CONSTANTS**

Pereze, Edgar
Mentor: Tim Sorey, Chemistry

AN EXPLORATORY STUDY OF THE PROPARGYLATION OF AROMATICS IN IONIC LIQUIDS EMPLOYING YTTERBIUM TRIFLATE AS A CATALYST

*Kellar, Casey; Brown, Kelley; Laali, Kenneth
Mentor: Viorel Sarca, Chemistry; Levente Fabry-Asztalos, Chemistry*

KINEMATICS AND VORTICITY IN KANGMAR DOME, SOUTHERN TIBET: TESTING PATTERNS OF MID-CRUSTAL DUCTILE DEFORMATION DURING THE HIMALAYAN OROGENY

*Wagner, Tom
Mentor: Jeff Lee, Geological Sciences*

AÇAÍ PUREE PERFORMANCE AS A FAT REPLACER IN FUDGE BROWNIES

*Sconce, Michael; Rust, Bret; Walton, Michelle
Mentor: David Gee, Health, Human Performance & Nutrition*

USING THE FORCE CONCEPT INVENTORY TO IMPROVE STUDENT UNDERSTANDING OF FRICTIONAL FORCES

*Sizemore, William
Mentor: Bruce Palmquist, Physics; Michael Jackson, Physics*

FROM THE PAST INTO THE FUTURE: FLATHEAD AND PEND D'OREILLE CULTURAL MAINTENANCE AND ADAPTATION

*Judy, Krystal; Smith, Talitha
Mentor: Tracy Andrews, Anthropology & Museum Studies*

ANALYSIS OF THE FRESHWATER MUSSEL (*MARGARITIFERA FALCATA*) FROM 45-KT-315, KITTITAS COUNTY, WA

*VanTine, Launi
Mentor: Steven Hackenberger, Anthropology & Museum Studies*

IDENTITY STYLE, ATTITUDES ABOUT SEX, AND RELATIONSHIP STATUS AS PREDICTORS OF ADOLESCENT RISKY SEXUAL BEHAVIOR

*Paulk, Amber; Zayac, Ryan
Department of Family & Consumer Sciences*

ARCHAEOLOGICAL SITE MONITORING IN HELL'S CANYON, ID, MARCH 2009

*Shea, Holly; Fredrickson, Carl; Oosahwee-Voss, Eric
Mentor: Morris Uebelacker, Geography*

2009 HELL'S CANYON RESEARCH OVERVIEW

*Shapley, Helen
Mentor: Morris Uebelacker, Geography*

THE RESEARCH EXPERIENCE: REQUIREMENTS AND OPPORTUNITIES IN UNDERGRADUATE PSYCHOLOGY CURRICULUMS

*Haghighi, Meisam; Biddle, Ryan; Gabriel, Kara
Mentor: Kara Gabriel, Psychology*

UNDERSTANDING CHANGING LAND USE ON IRRIGATED ACREAGE IN THE KITTITAS VALLEY OF CENTRAL WASHINGTON STATE

*Hackett, Jennifer
Mentor: Nancy Hultquist, Resource Management*

THE ARCHAEOLOGY OF THE DAVIS LAKE AREA, DESCHUTES AND KLAMATH COUNTIES, OREGON

Nauer, Christian

Mentor: Steven Hackenberger, Resource Management

ELEGANCE TO ITS LIMIT

Martini, Jenni

Mentor: Andrea Eklund, Family & Consumer Sciences

DOWN TOWN CHIC

Trosper, Ashley

Mentor: Andrea Eklund, Family & Consumer Sciences

Outstanding Creative Presentations

MEI

Ogawa, Emi

Mentor: Hal Ott, Music

DIES IRAE (MODERN DANCE PERFORMANCE)

McLain, Tyler Elizabeth

Mentor: Therese Young, Health, Human Performance & Nutrition