Acosta, Celina

Eating Disorders and the Media: An Analysis of How Women are Affected

Poster

Session III, 2:00pm-4:00pm, Location: Display board 98D

Keywords: Eating Disorders, Media, Women

Adair, Callie

Sabrina Brown, Sean Danton, Ben Reinert, Dylan Pratt

Supermileage: Frame, Fairing, and Steering

Poster

Session I, 9:00am-11:00am, Location: Display board 39B

Keywords: Supermileage, Eco-Marathon, Shell

Adair, Callie

Sabrina Brown, Sean Danton, Ben Reinert, Dylan Pratt

Supermileage: Frame, Fairing, and Steering

Oral Presentation

Afternoon, 2:50pm-3:15pm, Location: duBois Fremont

Keywords: Supermileage, Eco-Marathon, Shell

Adkins, Hailey

Theresa Pol, Chelsea Olson

Does Organization of Handwriting Influence Perception of Academic Performance?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 68A

Keywords: Handwriting, Organization, Intelligence

Aflitto, Nicholas

Richard Hofstetter

Novel Acoustic Technique to Control Bark Beetles

Poster

Session I, 9:00am-11:00am, Location: Display board 27C *Keywords:* bark beetle, pest management, Dendroctonus

Albano, Dominic

Federico Martolini, Danny Miller, Dirk Prather, Bander Almazroua

40 Qt. Cooler Design

Poster

Session III, 2:00pm-4:00pm, Location: Display board 43A

Keywords: Heat Transfer, Rotational Molding, Research & Development

Albano, Dominic

Federico Martolini, Danny Miller, Dirk Prather, Bander Almazroua

40 Qt. Cooler Design

Oral Presentation

Morning, 8:30am-8:55am, Location: duBois Agassiz

Keywords: Heat Transfer, Rotational Molding, Research & Development

Aldridge, Megan

Fifth Grade Fractions and Assessment: An Action Research Project

Poster

Session III, 2:00pm-4:00pm, Location: Display board 77A

Keywords: education, math teaching and learning, assessment

Alling, Erica

Factors Affecting the Species Abundance and Richness of Fish in Seagrass in the Saipan Lagoon

Poster

Session I, 9:00am-11:00am, Location: Display board 7C *Keywords:* seagrass, juvenile reef fish, fragmentation

Allred, Eric

Alexandra Clitso, Chelsie Kekaula, LeAndra Marris, Makenna Sowards, Jacob Weaver

Cultural Diversity and Global Community panel

Oral Presentation

Afternoon, 2:00pm, Location: Stage C

Keywords: Spirituality, Innovations, Happiness

Ames, Colton

M, Q, Moneypenny, and Leiter: Bond's Close Friends and Associates

Oral Presentation

Afternoon, 3:00pm, Location: Stage B *Keywords*: James Bond, 007, Film

Andee, Lister

Marsha Bitsui, Dr. Jani C. Ingram

Evaluation of Uranium in Soils Gathered Near Two Abandoned Mine Sites on the Navajo Reservation.

Poster

Session I, 9:00am-11:00am, Location: Display board 19C

Keywords: Uranium, Navajo Reservation, Soil.

Andersen, Genevieve

Madeline Lummis, Carina Hall, Roxanne Nottingham, Amy Vogler, Julia Riehm, Holger Scholz, Paul Keim & David M. Wagner

Phylogenetic Diversity of Mongolian Yersinia pestis Isolates Provides Historical Insights into the Dispersal of Plague into Mongolia

Poster

Session III, 2:00pm-4:00pm, Location: Display board 14D

Keywords: Plage, Mongolia, Phylogeny

Anderson, Alexus

Anisa Padilla

The CSI Effect

Poster

Session III, 2:00pm-4:00pm, Location: Display board 52C

Keywords: CSI Effect misinformation

Anderson, Amy

John Jowers, Daniel Hamill, Gabe Murray, Nathaniel Lail, Annalise O'Toole

Alternative Landfill Capping System

Oral Presentation

Morning, 9:50am-10:15am, Location: duBois Southwest Room

Keywords: Paper Pulp Sludge, Landfill Cap

Aranda, Stephen

(7,4) Hamming Code

Poster

Session III, 2:00pm-4:00pm, Location: Display board 26D

Keywords: Codeword Mapping

Aranda, Stephen

Aniza Brown, Derek Benallie, Brendan George, Micheal Young, Justin Cummings Urban Electric Vehicle for Efficient Green Transportation

Poster

Session III, 2:00pm-4:00pm, Location: Display board 37D

Keywords: Efficient, Renewable Energy

Aranda, Stephen

Aniza Brown, Derek Benallie, Brendan George, Micheal Young, Justin Cummings Urban Electric Vehicle for Efficient Green Transportation

Oral Presentation

Morning, 11:05am-11:30am, Location: duBois Agassiz

Keywords: Efficient, Renewable Energy

Aros, Kelli

Globalization of Beauty

Poster

Session III, 2:00pm-4:00pm, Location: Display board 74A

Keywords: Globalization, beauty, cosmetics

Arvidson, Garrett

Garrett Arvidson

UN Involvement in Genocide

Poster

Session III, 2:00pm-4:00pm, Location: Display board 56B

Keywords: UN Sovereignty Genocide

Ashcroft, Amarah

Dorothy Alexander, Amanda Ryan, Paige Warner

Drug Use and the Significance of Life-milestones

Poster

Session III, 2:00pm-4:00pm, Location: Display board 66B

Keywords: drug use, life-milestones, significance

Atchison, Stephanie

Courtney Biggar, Kevin Lasky

Evaluation of New Bridge for the Flagstaff Urban Trail in Picture Canyon

Oral Presentation

Morning, 8:30am-8:55am, Location: duBois Southwest Room

Keywords: FUTS, Capstone, Bridge

Austill, Donovan

Ryan Byerrum, Seyrra Croy

Music's Effect on Emotion

Poster

Session III, 2:00pm-4:00pm, Location: Display board 67C

Keywords: Music Genre Emotion

Avila, Jacob Spencer

Courtney Haasch, Samuel Kirschbaum, Kevin McLaughlin, Carl Thomson, Liz Tomaschko

Pro-social Behavior panel

Oral Presentation

Afternoon, 1:00pm, Location: Stage C *Keywords*: Compassion, Balance, Ego

Avila, Vianey

The Role of Small Mammals as Seed Predators in Prairies

Poster

Session I, 9:00am-11:00am, Location: Display board 12C

Keywords: Prairie Restoration, Seed Predation, Peromyscus maniculatus

Bade, Nolan

Integrating Art and Science Methodologies: Creating Artifacts that Re-evaluate Ecosystem Relationships on the Milwaukee River

Oral Presentation

Morning, 11:00am-11:10am, Location: duBois Meadows *Keywords*: invasive species, art-science, political ecology

Badertscher, Lauren

Conservation and Poverty: Successful Compromise in Central and Southern Africa

Oral Presentation

Afternoon, 4:00pm, Location: Stage C

Keywords: Environmental Justice, Conservation, Compromise

Bagherpour, Daniel

Cameron Fule, Katie Lumia, Jose Marmolejo, Sophie David, Zac Quatre

Dalit Discrimination and Movements for Change in India

Poster

Session III, 2:00pm-4:00pm, Location: Display board 58A

Keywords: Revolution, Inequality, Oppression

Bagwell, Brittany

Kali C. O'Connor, J. Richard Coast

Assessment of Accuracy of a Whole-Body Plethysmograph in Pulmonary Function Testing

Poster

Session III, 2:00pm-4:00pm, Location: Display board 8B

Keywords: Pulmonary Function, Plethysmograph, Lung Volumes

Bahe, Whitney

Origin of the Navajo Police

Poster

Session III, 2:00pm-4:00pm, Location: Display board 50A

Keywords: Navajo Origin Police

Baker, Allison

Action Research and Engaged Learning: S. N. A. I. L.

Poster

Session III, 2:00pm-4:00pm, Location: Display board 94A

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Baker, Eileen

Torrey Gross, Christian Loritz, Peter Massey, Chris Wieduwilt, Derek Young

Governments, Economies and Better Societies panel

All presentations and posters occur in the Walkup Skydome unless indicated as "duBois"

Oral Presentation

Morning, 11:00am, Location: Stage C *Keywords:* Disparity, Consumerism, Unrest

Banister, Kelsey

Kayla Ochoa

Revisiting Self-Fertilization and Outcrossing in the Leech Helobdella stagnalis

Poster

Session III, 2:00pm-4:00pm, Location: Display board 15B

Keywords: Leech, inbreeding, evolution

Barnes, Monica

Desalination as a Solution for Water Shortages in the West

Poste

Session II, 11:30am-1:30pm, Location: Display board 86A

Keywords: Western U.S, Water, Water Shortage, Desalination, Economics

Barrios, Avila

Utilitarian vs. Non-utilitarian Uses of Water in the West

Poster

Session II, 11:30am-1:30pm, Location: Display board 87C

Keywords: Economics, utilitarian, non-utilitarian

Bashaw, Claire

Feminist Leadership and Women in the Workplace

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Women and Gender Studies

Bast, Douglas

Washington and Water reclaimation and trasportation

Poster

Session II, 11:30am-1:30pm, Location: Display board 87A

Keywords: Washington, Water, Economics

Baumgartner, Brett

Desalination and the Rising Cost of Water

Poster

Session II, 11:30am-1:30pm, Location: Display board 88C

Keywords: Desalination, Cost, Future

Beall, Nicholas

Scott Chapin, Samantha Christensen

Korean Shamanism

Poster

Session III, 2:00pm-4:00pm, Location: Display board 46B

Keywords: Shamanism, Identity, Revitalization

Bechok, Elizabeth

Jacob Erickson

Action Research and Engaged Learning: Foodlink School Gardens

Poster

Session III, 2:00pm-4:00pm, Location: Display board 92C

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Begay, Merle

Strengthening Indigenous Relationships through Language

Poster

Session III, 2:00pm-4:00pm, Location: Display board 48A

Keywords: Indigenous Language Traditions

Beloin, Kyle

Coren Frankel

Action and Compassion: Aristotle on Political Science

Oral Presentation

Afternoon, 2:00pm-2:15pm, Location: Stage A

Keywords: Aristotle, Civic discourse, political science

Belus, Matthew

The Effects of Abiotic Conditions on Soil Fungal Communities over a Decadal Timescale

Poster

Session I, 9:00am-11:00am, Location: Display board 14C

Keywords: Soil Fungal Communities, Climate change, Molecular Genetics

Benefield, Jerod

Who's Bugging Out? The Impacts of Mechanical Thinning on Arthropod Communities in Northern Arizona, USA

Poster

Session III, 2:00pm-4:00pm, Location: Display board 14B

Keywords: Forestry, Arthropods, Ecosystem

Benton, Richelle

Rhiannon Bucher

Disinfectant Techniques

Poster

Session I, 9:00am-11:00am, Location: Display board 82A

Keywords: healthcare, infection, chlorhexidine

Bergen, Krystal

Silent Death: Abandon Uranium Mines in Cameron, AZ

Poster

Session III, 2:00pm-4:00pm, Location: Display board 48D *Keywords*: History, Research, Native Nation Building

Bigelow, Jessica

Integrating GIS technology and Digital Gaming into K-12 Geography Education

Poster

Session III, 2:00pm-4:00pm, Location: Display board 55A

Keywords: Geography Education, GIS, K-12

Bishop, Michael

A Next Generation 3D Imaging System for Ballistics Identification

Poster

Session I, 9:00am-11:00am, Location: Display board 32C

Keywords: Optics, Ballistics, Imaging

Black, River

Dr. Jason Wilder

Identifying Novel SNPs in the 3'UTR of KRAS Using Native American DNA Samples

Poster

Session III, 2:00pm-4:00pm, Location: Display board 13D

Keywords: SNPs, microRNAs, KRAS

Blackman, Ryan

Using Thermal Modeling to Determine the Properties of Small Solar System Bodies

Poster

Session I, 9:00am-11:00am, Location: Display board 2C

Keywords: planetary science, astronomy

Blanford, Matthew

Kristen Waring, Adam Polinko

Seedling Growth Response to Western Spruce Budworm in Mixed Conifer Forests

Poster

Session III, 2:00pm-4:00pm, Location: Display board 28B

Keywords: Forestry, Silviculture, Defoliator

Blaser, Liz

Kaitlin Rosser, Katelyn Wyatt

Asch Study Duplicate Observing Gender Dynamic

Poster

Session III, 2:00pm-4:00pm, Location: Display board 70C

Keywords: gender, conformity, confederates

Blount, Mariah

Vianney Hoenig, Greg Sale

Does Your Culture Effect How You Choose Your Mate?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 62B

Keywords: Likert scale, correlation, culture

Bojorquez Figueroa, Edith

Successful Aging: Creating the Ultimate Assisted Living Environment for people with Alzheimer's in Provo, UT

Poster

Session III, 2:00pm-4:00pm, Location: CAL EASEL

Keywords: Alzheimer's, Interior Design, Successful Aging

Booz, Betty Lou

Mary Coulombe, Jacquelyn Davis, Jessica Eliason, Will Hickman

A Strategic Plan to Eliminate Plastic Bags in Flagstaff

Poster

Session III, 2:00pm-4:00pm, Location: Display board 24B

Keywords: Sustainability, Pollution, Plastic

Booz, Betty Lou

Community Sustainability and Non-profit Organizations

Oral Presentation

Morning, 9:00am-9:10am, Location: duBois Meadows *Keywords*: Sustainability, Community, Non-profit

Booz, Christian

Kevin Kirchmeier, Brett Smith, Dion Obermeyer, Eric Nolan

Challenges in Communicating Climate Change

Poster

Session III, 2:00pm-4:00pm, Location: Display board 24A *Keywords:* Communication, Climate Science, Perception

Booz, Christian

Friends of Flagstaff - Outreach Internship

Oral Presentation

Morning, 9:30am-9:40am, Location: duBois Meadows *Keywords*: Internship, Friends of Flagstaff's Future, Outreach

Bossaller, Katherine

Symmetries of Generalized Circulant Graphs

Poster

Session III, 2:00pm-4:00pm, Location: Display board 29D *Keywords*: graph theory, mathematics, abstract algebra

Bostaph, Jessica

Abusing Food to Reach Perfection

Poster

Session III, 2:00pm-4:00pm, Location: Display board 99B

Keywords: Anorexia, Eating disorders, Food

Bowen, Ronnie

Smoking Cessation and the Effect on Diabetic Hgb A1c Levels

Poster

Session I, 9:00am-11:00am, Location: Display board 82C

Keywords: Diabetes, Smoking Cessation, A1c

Bramwell, Cheyenne

A Hero's Journey Through Styles

Performance

Afternoon, 2:00pm, Location: Stage B *Keywords*: Poetry, Styles, Reading

Brandstein, Sarah

William Joffroy

Community Building through Design

Poster

Session III, 2:00pm-4:00pm, Location: CAL EASEL

Keywords: design, community, teamwork

Brent, Steven

Market Solutions for Municipal Water Pricing

Poster

Session II, 11:30am-1:30pm, Location: Display board 86B

Keywords: water, markets, economics

Brown, Aniza

Maria Espinola-Romero

LDPC-Encoded System With Min-Sum Decoding

Poster

Session I, 9:00am-11:00am, Location: Display board 26C

Keywords: LDPC Encoding Decoding

Brown, Monique

Nashelly Meneses

Factors Affecting Nesting Beach Selection of Green Sea Turtles in Saipan

Poster

Session III, 2:00pm-4:00pm, Location: Display board 6B

Keywords: nesting, turtle, Saipan

Brunskill, Matt

Roidball

Oral Presentation

Morning, 10:00am, Location: Stage D *Keywords*: Sports, steroids, economy

Bruzas, Ian

Kellan Finney, John Welsh, Kinya Hotta, David Fox, Andrew Koppisch

Characterization of cis, cis-muconic Acid Production in an Engineered Escherichia coli Heterologous Host

Poster

Session III, 2:00pm-4:00pm, Location: Display board 19B

Keywords: metabolic engineering, bioorganic chemistry, commodity chemicals

Buchanan, Cody

Flagstaff Compost Co.

Poster

Session I, 9:00am-11:00am, Location: Display board 24C

Keywords: Compost, Entrepreneurship, business

Buckentin, Patrick

Water Transfers in Western States

Poster

Session II, 11:30am-1:30pm, Location: Display board 85B

Keywords: Water, Economics, Transfers

Bulger, Brittani

Use of Shells of an Introduced Invasive Gastropod by Native Hermit Crabs on Saipan

Poster

Session I, 9:00am-11:00am, Location: Display board 11A

Keywords: Coenobita, invasive, A. Fulica

Burns, Genevieve

Land of the Morning Calm

Oral Presentation

Morning, 10:00am, Location: Stage B *Keywords:* study abroad, south korea, travel

Burris, Codi

Fighting the Diabetes Epidemic Among the Navajo People

Poster

Session III, 2:00pm-4:00pm, Location: HONORS EASEL

Keywords: Diabetes, Prevention, Navajo

Butler, Tara

The Prevalence of Alcohol Abuse and Acquaintance Rape

Poster

Session III, 2:00pm-4:00pm, Location: Display board 75D

Keywords: Alcohol Acquaintance Rape

Buttacavoli, Dean

KARES Educational Youth Garden

Oral Presentation

Morning, 8:30am-8:40am, Location: duBois Meadows

Keywords: KARES Educational Garden

Byrne, Kaitlin

Legalizing Prostitution in American Society

Oral Presentation

Morning, 11:00am, Location: Stage D

Keywords: Prostitution, Government, America

Campbell, Corbin

Corbin Campbell Robyn Johnson

Phuket Vegetarian Festival

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Buddhism body modification ritual

Campbell, Lauren

Nick Schafer, Michael Donelson, Aaron Hansen, Erin Grenko

Quick Change Electrical Connection

Poster

Session I, 9:00am-11:00am, Location: Display board 40D

Keywords: Raytheon, Electrical Connection

Campbell, Lauren

Nick Schafer, Michael Donelson, Aaron Hansen, Erin Grenko

Quick Change Electrical Connection

Oral Presentation

Afternoon, 1:55pm-2:20pm, Location: duBois Fremont

Keywords: Raytheon, Electrical Connection

Caniglia, Patrick

Studies on the Effect of 2-C-methyl-D-erythritol Supplementation on Algal and Bacterial Cultures

Poster

Session III, 2:00pm-4:00pm, Location: Display board 20D *Keywords*: methyl erythritol, MEP Pathway, Isoprenoids

Canterbury, Sean

Sustainable Landscape Maintenance Project

Oral Presentation

Afternoon, 3:55pm-4:05pm, Location: duBois Meadows *Keywords*: Herbicide-free Sustainability Green Fund

Carlson, Annamarie

The Enduring and Culturally Relevant Image of Mother Ireland in the Plays of John B. Keane

Oral Presentation

Afternoon, 1:45pm-2:00pm, Location: Stage A

Keywords: Ireland Drama Culture

Carranco, Jackson

Aryel Hill, Terry Laws

Dont Stress it, Sweat it!

Poster

Session III, 2:00pm-4:00pm, Location: Display board 62D

Keywords: exercise stress reduce

Carroll, Katherine

Margo Dufek, Andrew McCarthy, Leanne Willey

Harnessing Wind Energy From Recycled Materials

Poster

Session III, 2:00pm-4:00pm, Location: Display board 43B

Keywords: Recycling, Wind, Energy

Carroll, Katherine

Margo Dufek, Andrew McCarthy, Leanne Willey

Harnessing Wind Energy From Recycled Materials

Oral Presentation

Morning, 9:20am-9:50am, Location: duBois Fremont

Keywords: Recycling, Wind, Energy

Castagnaro, Felicia

Teen Dating Violence

Poster

Session III, 2:00pm-4:00pm, Location: Display board 75A

Keywords: Teen, Dating, Violence

Castagnaro, Felicia

The Effect of Older Single Women in American Society

Poster

Session III, 2:00pm-4:00pm, Location: Display board 73B

Keywords: Women, American, Effects

Caudill, Blaise

Exploding the Collective Structural Imaginarium: The Black Widows of Chechnya as Actors on the International Stage

Oral Presentation

Morning, 10:00am, Location: Stage B

Keywords: Terrorism, Gender, Social Construction

Cavin, Langston

Examining the Frequency of a Neanderthal-Introgressed Variant of STAT2 Across a Linguistic Contact Zone in North Maluku Indonesia

Poster

Session III, 2:00pm-4:00pm, Location: Display board 16D

Keywords: biology, genetics, evolution

Cawley, Megan

Kristin Coady, Liam Andrus, Amy Cook, Yaohui Wang

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Elk Ridge Ski Area: Poma Lift Stick

Poster

Session I, 9:00am-11:00am, Location: Display board 40C

Keywords: Ski Surface Lift Design

Cawley, Megan

Kristin Coady, Liam Andrus, Amy Cook, Yaohui Wang

Elk Ridge Ski Area: Poma Lift Stick

Oral Presentation

Afternoon, 1:30pm-1:55pm, Location: duBois Agassiz

Keywords: Ski Surface Lift Design

Charles, Noah

Josie Harding

Action Research and Engaged Learning: Art through All Mediums

Poster

Session II, 11:30am-1:30pm, Location: Display board 92B

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Cheifetz, Sydney

Maria Dicosola, Brandon Rivera, Nicholas Stump, Blaise Caudill, Kendra Straub

A New Generation of Afghans: How Children in Post 9/11 Afghanistan will Understand the World.

Poster

Session III, 2:00pm-4:00pm, Location: Display board 57C

Keywords: Afghanistan, Childhood Development, War on Terror

Chen, Diwei

Paul Garrett, Wen Cui

Hazard Evaluation of an Abandoned Dam in the Kaibab National Forest

Oral Presentation

Morning, 9:20am-9:50am, Location: duBois Southwest Room

Keywords: Steel Dam Evaluation

Chen, Jingtang

Water/Energy Nexus

Poster

Session II, 11:30am-1:30pm, Location: Display board 88A *Keywords:* ARIZONA, COLORADO, COLORADO RIVER

Chico, Austin

Environmentalism on the Tohono O'odham Nation

Poster

Session III, 2:00pm-4:00pm, Location: Display board 49D

Keywords: environment, Tohono O'odham,

Chien, Kolby

Isaac Pitterle, Cody Thompson

ISIS Pipeline Infrastructure

Poster

Session III, 2:00pm-4:00pm, Location: Display board 35B

Keywords: USGS, ISIS, Workflow

Chien, Kolby

Isaac Pitterle, Cody Thompson *ISIS Pipeline Infrastructure*

Oral Presentation

Morning, 10:40am-11:05am, Location: duBois Room A

Keywords: USGS, ISIS, Workflow

Chisholm, Kara

The Effects of Plastic Surgery on the Individual

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: plastic surgery, women

Christie, Ryan

Ronald Stepanek, Cory Donavon, Jason Dikes, Joseph Mudd, Nathan Duray

Combined Heat and Power System

Poster

Session I, 9:00am-11:00am, Location: Display board 38C *Keywords*: innovative, efficient, alternative power supply

Christie, Ryan

Ronald Stepanek, Cory Donavon, Jason Dikes, Joseph Mudd, Nathan Duray

Combined Heat and Power System

Oral Presentation

Afternoon, 3:15pm-3:40pm, Location: duBois Agassiz *Keywords*: innovative, efficient, alternative power supply

Clark, Dwight

Erika Nowak, Karen Haubensak

How do Northern Arizona Herpetofauna Communities Respond to Thinning Treatments and Residual Slash Piles?

Poster

Session I, 9:00am-11:00am, Location: Display board 28A *Keywords*: Herpetofauna, Thinning Treatments, Slash Piles

Clawson, Bret

Rebecca E. Colman, Adina L. Doyle, Christopher J. Allender, Amy Vogler, Joseph D. Busch, David M. Wagner.

Identifying Flea Species associated with Early Phase Transmission of Plague

Poster

Session III, 2:00pm-4:00pm, Location: Display board 10C

Keywords: plague, sequencing, vector

Cleland, Jessica

An Assessment of Pre-operative Skin Preparations: Recommended Practice

Poster

Session I, 9:00am-11:00am, Location: Display board 82B

Keywords: nursing, surgical, arthroplasty

Coady, Kristin

Megan Cawley, Kristin Coady

Teaching Geometric Dimensioning and Tolerancing to Students of Differing Engineering Design Backgrounds

Poster

Session III, 2:00pm-4:00pm, Location: Display board 32B

Keywords: Teaching GD&T Backgrounds

Cody, Jennifer

Community Supported Agriculture: The Need for More Public Exposure

Oral Presentation

Afternoon, 4:05pm-4:15pm, Location: duBois Meadows

Keywords: Local food, CSA, community

Coiro, Taylor

Jessica Gaddy

NPO after Midnight: An outdated Practice

Poster

Session I, 9:00am-11:00am, Location: Display board 81C

Keywords: preoperative, fluids, surgery

Colbert, Randi

Dr. Corina Kellner

Investigating the Relationship between Diet and Weight Status

Poster

Session III, 2:00pm-4:00pm, Location: Display board 45C

Keywords: Corn, Health, Isotopes

Colombo, Cassandra

Jennifer Dack, Madalyn Hungate, Athena Chavez, and Rebekha Feit

An Evidence-based Practice Review: Music Therapy for Children with Autism Spectrum Disorders

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Evidence-based Practice, Autism, Music Therapy

Colombo, Cassandra

Danita Cookston, Meghan Harting, Heather Ramsden, Jennifer Rojas, Samantha Smith, Emily Wallace, Robert Young

Why Disability Studies?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 53C

Keywords: Disability Studies, Education, Curriculum

Compton, Daniel

Zane Morgan, Crystal Olivarez

Dartfish Analysis of De-weighted Running on an Alter G Treadmill from a Side View

Poster

Session I, 9:00am-11:00am, Location: Display board 80A

Keywords: Alter G, Dartfish, Analysis

Contreras, Karri

Friends of Flagstaff's Future Internship

Oral Presentation

Morning, 11:10am-11:20am, Location: duBois Meadows

Keywords: Collaboration, Community Outreach, Sustainability

Contreras, Karri

Emily Gaddo, Rob Helmkamp, Elliot Hosch

The Use of Road Salts on Roads in Northern Arizona

Poster

Session III, 2:00pm-4:00pm, Location: Display board 26B

Keywords: Salt, Negatives, Alternatives

Cooper, Kaele

College's Tiring Venture

Exhibit

Afternoon, 4:00pm-5:00om, Location: Honors Table

Keywords: art, collage, drawing

Coulombe, Mary

Makauwahi Cave Reserve Internship

Oral Presentation

Morning, 9:40am-9:50am, Location: duBois Meadows

Keywords: Ecological Restoration, Educational Outreach, Paleoecology

Covarrubio, Tanis

California's Water Management: Present and Future Problems

Poster

Session II, 11:30am-1:30pm, Location: Display board 89C

Keywords: Water, Transfers, Ecosystems

Covington, Keanaloha

Tiesha Douglas, Chris Connolly, Troy Kemp

More Exercise Means More Sex Drive!

Poster

Session III, 2:00pm-4:00pm, Location: Display board 61B

Keywords: Sex-drive, exercise, gender differences

Cravens, Natalie

Native American Healthcare

Oral Presentation

Morning, 11:00am, Location: Stage B *Keywords*: Native American Healthcare

Creager, Erica

Amanda (Sal) Webber

Stable Isotopic Evidence of Ancient Globalization in the Cotahuasi Valley of Peru

Poster

Session III, 2:00pm-4:00pm, Location: Display board 45D

Keywords: Diet Analyses, Stable Isotopes, Wari

Credo, Jonathan

Detecting a Subtle Toxin: Assessing Arsenic Levels in Unregulated Wells on the Navajo Reservation

Postei

Session III, 2:00pm-4:00pm, Location: Display board 18D *Keywords*: Arsenic, Navajo Reservation, Water Analysis

Crockett, Amv

Engaging and Reviving a Community: The Development of a Sustainable Community Center in Winslow, AZ

Poster

Session II, 11:30am-1:30pm, Location: Display board 96A *Keywords*: Sustainability, Community, Interior Design

Cupper, Cayden

Monica Gallegos, Xavier Petty, Austin Schroeder, Allison Tussing

Gender and Sexuality Issues and Social Movements panel

Oral Presentation

Morning, 9:00am, Location: Stage C *Keywords:* Feminism, Gays, Equality

Cvach, Kelsey

Causes of Egyptian Revolution

Oral Presentation

Afternoon, 4:00pm, Location: Stage C

Keywords: Arab Spring, Egypt, Global Research

Daley, Zachary

Environmental Compliance at Nellis Air Force Base

Oral Presentation

Afternoon, 4:15pm-4:25pm, Location: duBois Meadows *Keywords*: Compliance, Communication, Regulation

Daniels, Kevin

Melanie L. Schroer, Catherine R. Propper

Morphological and Behavioral Differences between a Fish Population from a Wastewater Effluent Pond Compared to a Reference Lake

Poster

Session I, 9:00am-11:00am, Location: Display board 4A

Keywords: Endocrine Disruption, Wastewater effluent, Fathead Minnows

Daniels, Kevin

Morphological Differences between Fish from a Wastewater Effluent Pond Compared to a Reference Lake

Oral Presentation

Afternoon, 4:25pm-4:35pm, Location: duBois Meadows

Keywords: Endocrine Disruption, Wastewater effluent, Fathead Minnows

Dart, Susanna

Making Sense of Smell: Odorant Receptors and the Organization of the Olfactory System

Poster

Session I, 9:00am-11:00am, Location: Display board 5D

Keywords: olfaction, odorant receptors

Davidson. Dalton

Shaping the Future

Oral Presentation

Afternoon, 1:00pm, Location: Stage D *Keywords*: exercise chameleon iguana

Davis, Jacquelyn

Mexican Gray Wolf Reintroduction

Oral Presentation

Morning, 10:20am-10:30am, Location: duBois Meadows *Keywords:* wolf, GCWRP, keystone species/predator

Dehlin, Miles

Leland Doyle, Salazar Grey, Katherine Hewey, Paul Owen, Rogelio Blanco

Automated Mirror Cover for NPOI

Poster

Session I, 9:00am-11:00am, Location: Display board 41C

Keywords: iris mirror cover

Dehlin, Miles

Leland Doyle, Salazar Grey, Katherine Hewey, Paul Owen, Rogelio Blanco

Automated Mirror Cover for NPOI

Oral Presentation

Afternoon, 1:30pm-1:55pm, Location: duBois Fremont

Keywords: iris mirror cover

DeMar, Zack

Arizona's Most Important Water Uses

Poster

Session II, 11:30am-1:30pm, Location: Display board 89B

Keywords: Water, Utilitarianism, Economics

Dempsay, Emily

Michael Combrink

Who Owns Your Body? The Politics, Policies, and Implications of the Criminalization of Pregnancy

Poster

Session III, 2:00pm-4:00pm, Location: Display board 44D

Keywords: human rights, abortion, reproduction

Descourouez, Morgan

Kim Curtis

Yuma Just Food & Immigration Trip

Video

Morning, 11:45am-12:00pm, Location: Stage A

Keywords: Immigration, Farming, CITA

Devolites, Mary (Mardi)

Orchestrating Community

Video

Afternoon, 3:45pm-4:00pm, Location: Stage A

Keywords:

Dillingham, Elise

Kevin Daniels

Implementing Bird Baths to Counteract the Effects of Reclaimed Water Consumption on Wildlife at Northern Arizona University

Poster

Session I, 9:00am-11:00am, Location: Display board 24D

Keywords: Reclaimed water, wildlife, bird bath

Dillingham, Elise

Jesse Maestas

Interactions of Rabies Host Species

Oral Presentation

Afternoon, 4:35pm-4:45pm, Location: duBois Meadows *Keywords:* Rabies, disease outbreak, species interactions

Dominguez III, Alfonso

Cross Channel Variability of the Kolyma River and its Major Tributaries in the Siberian Arctic

Poster

Session III, 2:00pm-4:00pm, Location: Display board 22D

Keywords: Permafrost, Carbon, Arctic Rivers

Doty, Michael

Adrian Ortega, Ryan Olson, Waleed Alzahrani

Application of MR Fluid in a Bike Suspension System

Poster

Session I, 9:00am-11:00am, Location: Display board 36C

Keywords: Magnetic Rheological Fluid

Doty, Michael

Adrian Ortega, Ryan Olson, Waleed Alzahrani

Application of MR Fluid in a Bike Suspension System

Oral Presentation

Afternoon, 2:20pm-2:45pm, Location: duBois Room A

Keywords: Magnetic Rheological Fluid

Doyle-Lawrence, Sara

Jamie Simpson, Alexander Townsley, Cindy Browder, Cornel Ciocanel

Energy Storage Solutions

Poster

Session I, 9:00am-11:00am, Location: Display board 31C

Keywords: Double-layer capacitors, Solid polymer electrolyte, Structural capacitors

Drain, Matt

Water Quality and Scarcity Issues in the Southwestern United States

Poster

Session III, 2:00pm-4:00pm, Location: Display board 55D

Keywords: Water Quality Scarcity

Drake, Chelsea

Rhetoric of Food and Travel Writing

Exhibit

Afternoon, 2:00pm-4:00pm, Location: CAL Tables

Keywords:

Drummond, Olivia

Defining Personality Through the Observation of Phoenicopterus ruber ruber

Oral Presentation

Afternoon, 4:45pm-4:55pm, Location: duBois Meadows

Keywords: Flamingo, behavior, personality

Drummond, Olivia

Jen Cody, Patty Rees, Bo Stevens, Kyle Thornton, Uche Okwuokei

The Effects of Using De-Icing Chemicals on Flagstaff Roadways

Poster

Session I, 9:00am-11:00am, Location: Display board 23C

Keywords: Flagstaff, de-icing, roadway

Drumright, Beau

Nathan Heckathorne, Grant Masters, Patrick Schimmelbauer, Emerson Jones

All presentations and posters occur in the Walkup Skydome unless indicated as "duBois"

Alternative Power Source to Draw Underground Water

Poster

Session III, 2:00pm-4:00pm, Location: Display board 42B

Keywords: Alternative Energy, Simulation, Hybrid Wind and Solar Electric Systems

Drumright, Beau

Nathan Heckathorne, Grant Masters, Patrick Schimmelbauer, Emerson Jones

Alternative Power Source to Draw Underground Water

Oral Presentation

Morning, 8:30am-8:55am, Location: duBois Fremont

Keywords: Alternative Energy, Simulation, Hybrid Wind and Solar Electric Systems

Duffer, Brittany

Renaldo Holgate, Brittney Terberg, Steven Bryant, Dulce Rico, Lorenzo Ford, Nastashia Harris, Demaurice Basile.

Racism and the Power of Film

Poster

Session III, 2:00pm-4:00pm, Location: Display board 76D

Keywords: Racism, Film, Ethinic Studies

Dugan, Donald

Water Sustainability and Current Warming Trends in the Southwestern United States

Poster

Session III, 2:00pm-4:00pm, Location: Display board 54A

Keywords: Water sustainability, Current warming, Southwestern U.S.

Durkee, Maria

Allison Rains, Kayla McMinimy

How Communication Theory and Strategies Are Implemented to Persuade Lawmakers to Support Medicaid Expansion in Arizona's 2014 Budget

Poster

Session III, 2:00pm-4:00pm, Location: Display board 51A

Keywords: Arizona Medicaid Expansion

Dye, Lindsay

The 1919 Solar Eclipse Presentation

Oral Presentation

Morning, 10:00am, Location: Stage D *Keywords*: Gravity, Newton, Einstein

Dyer, Mekenzie

Snow

Performance

Afternoon, 1:00pm, Location: Stage D *Keywords*: Poetry, Society, Change

Eastman, Heather

Sexual and Domestic Violence and Navajo Nation Courts

Poster

Session III, 2:00pm-4:00pm, Location: Display board 47B

Keywords: Violence, Courts, Native American

Ebel, Kaitlyn

She Will

Performance

Morning, 9:00am, Location: Stage B *Keywords:* poem, independence, strength

Eddie, Rachelle

Ethan Paddock, Matthew Gage Ph.D.

Determining the Purification of Angiogenic Proteins (CD47, TSP-1, VEGFR2)

Poster

Session I, 9:00am-11:00am, Location: Display board 18C

Keywords: Protein Expression Purification

Edenhofer, Nathan

Feminicide's Relationship to the Genocide in Guatemala

Poster

Session III, 2:00pm-4:00pm, Location: Display board 56D

Keywords: Sexual Violence, Genocide, Femicide

Eide, Stefania

Cary Grossart, Ryan Reardon, Madison Whybark-Marshall

Crisis Communication and the Federal Emergency Management Agency

Poster

Session III, 2:00pm-4:00pm, Location: Display board 50D *Keywords*: Crisis Communication, National Disasters, FEMA

Eliason, Jessica

Farm to Fork on Northern Arizona University Campus

Oral Presentation

Morning, 10:30am-10:40am, Location: duBois Meadows

Keywords: Farm to Fork

Elliott, Cassidy

Extracorporeal Shock Wave Therapy: An Alternative to Surgery in Musculoskeletal Conditions

Poster

Session I, 9:00am-11:00am, Location: Display board 78C

Keywords: shockwave therapy, Extracorporeal, athletic training

Ellsworth, Joshua

Design of Inhibitors of Methionine Biosynthesis

Poster

Session I, 9:00am-11:00am, Location: Display board 20A

Keywords: antibiotics methionine biosynthesis

Emig, Christina

Rhetoric of Food and Travel Writing

Exhibit

Afternoon, 2:00pm-4:00pm, Location: CAL Tables

Keywords:

Estrella-Lopez, Alejandro

Neocasticismo Y Algo Mas: Rodrigo's "Concierto de Aranjuez"

Oral Presentation

Afternoon, 2:00pm, Location: Stage D

Keywords: Music Guitar Theory

Extract, Steven

Brok Butts, Yassmine Lopez, Kathleen Short

The Marginalized Society Outside Poverty

Poster

Session III, 2:00pm-4:00pm, Location: Display board 51D

Keywords: Poverty, Marginalized, Stereotypes

Fader, Zach

M T. Isbell, C M. Pace, K C. Nishikawa

Joint Angles and Jump Variation between Wildtype and Mutant Mouse mdm Genotypes.

Poster

Session III, 2:00pm-4:00pm, Location: Display board 9B

Keywords: jumping, kinematics, mice

Fairbanks, Dawson

Anjel C. Craig, Catherine A. Gehring

Alterations in Microbial Communities Following Tamarisk Invasion: Eeffects on Exotic Russian Olive (Elaegnus angustifolia) and Fremont Cottonwood (Populus fremontii)

Poster

Session I, 9:00am-11:00am, Location: Display board 8A *Keywords:* mycorrhizae, invasive species, soil legacy effects

Farley, Sam

Mean Crowding of the Leech Helobdella stagnalis in a Laboratory Setting

Poster

Session I, 9:00am-11:00am, Location: Display board 9C

Keywords: leech, freshwater, evolution

Farr, Carly

Dr. Angela Moline

The Impact of Invasive Plant Species on Carbon Storage and Reservoirs

Oral Presentation

Morning, 10:00am, Location: Stage D

Keywords: Carbon cycling, invasive plant species, carbon storage

Farrell, Kevin

The Effects of Worshiping a Cow

Poster

Session III, 2:00pm-4:00pm, Location: HONORS EASEL

Keywords: Hindu, cows, worshiping

Fermaint, Kati

Alexandra Brewer

Remodeling the Community Center

Poster

Session II, 11:30am-1:30pm, Location: Display board 96C

Keywords: interior design, aesthetics, remodel

Fernandez, Oscar

An Economic Analysis of Indian Water Rights in Arizona

Poster

Session II, 11:30am-1:30pm, Location: Display board 87B

Keywords: Indian, Water, Economics

Fisher, Michael

Matthew Wray; Adam Skinner

Ionization Break Down of Carbon Dioxide Vehicle Emissions

Poster

Session I, 9:00am-11:00am, Location: Display board 38A

Keywords: Ionization Carbon Dioxide

Fisher, Michael

Matthew Wray; Adam Skinner

Ionization Break Down of Carbon Dioxide Vehicle Emissions

Oral Presentation

Afternoon, 3:40pm-4:05pm, Location: duBois Room A

Keywords: Ionization Carbon Dioxide

Flegenheimer, Kendal

Barbara McClintock's "Jumping Genes"

Poster

Session I, 9:00am-11:00am, Location: Display board 3A

Keywords: genetics, Nobel Prize

Ford, Audrey

Matthew Anderson, Chris McLaughlin, Matthew Petney, Edwin Tenney

An Improved Foot and Ankle Prosthetic Design

Poster

Session I, 9:00am-11:00am, Location: Display board 40A

Keywords: Prosthetic, Lower-limb, Ankle

Ford, Audrey

Matthew Anderson, Chris McLaughlin, Matthew Petney, Edwin Tenney

An Improved Foot and Ankle Prosthetic Design

Oral Presentation

Afternoon, 1:55pm-2:20pm, Location: duBois Agassiz

Keywords: Prosthetic, Lower-limb, Ankle

Ford, Audrey

Hans Machula

Characterizing the Mechanical Properties of Tropoelastin Protein Scaffolds

Poster

Session III, 2:00pm-4:00pm, Location: Display board 31B

Keywords: Biomaterials, Mechanics, Tropoelastin

Forest, Emily

Lucy Schuh, Willie Hines, Andrew Cummins, Jackson Ramler, Zanden Hogrelius, Ayan Aunario, Robert Weber, Alli

Ritter, and Taylor Venezio

Echoes of Flagstaff

Performance

Afternoon, 1:00pm-1:40pm, Location: Stage A

Keywords: Theatre, Devising, Flagstaff

Fotino, Giovanna

Escaping the Ivory Tower: Parenthood within Academia

Poster

Session III, 2:00pm-4:00pm, Location: Display board 74D

Keywords: Motherhood

Fox, Amanda

Native Nations and the Ever Growing High Suicide Rate

Poster

Session III, 2:00pm-4:00pm, Location: Display board 50C

Keywords: Nation Nations, youth, suicide

Francisco, Hope

Alex Myers and Alisha Hyer

Prophylactic Antibiotic Treatment in Patients with Mitral Valve Replacements Before Dental Work

Postei

Session I, 9:00am-11:00am, Location: CHHS EASEL

Keywords: antibiotics, mitral-valve, dental

Frank, Smith

Applications of Forest Thinning beyond the Wildland Urban Interface

Poster

Session III, 2:00pm-4:00pm, Location: Display board 54D

Keywords: Forest Thinning Healthy Forests

Fredrickson, Marcus

Blending Theory and Interactive Learning: The San Francisco Volcanic Field

Poster

Session III, 2:00pm-4:00pm, Location: Display board 53D

Keywords: Volcano, Interactive, Volcanology

Frev, Emmaline

In a Pickle: Food Waste in America and Potential Solutions

Poster

Session III, 2:00pm-4:00pm, Location: Display board 99D

Keywords: America, Food Waste, Solutions

Friend, Madeline

Experiential Education: The Difference Between Learning and Truly Understanding

Oral Presentation

Morning, 11:00am, Location: Stage D

Keywords: experiential education, science curriculum, ecology

Frische, Richard

Vivian Jordan, Kendra Petersen, Zoey Tonn, Alexandra Vlachos, Chase Winstead

Interconnections: Nature and Nurture panel

Oral Presentation

Afternoon, 3:00pm, Location: Stage C *Keywords*: Plants, Animals, People

Fry, Elisabeth

Ritual and Religion in Holocaust Photography: Lodz Ghetto 1939-1945

Oral Presentation

Morning, 9:30am-9:45am, Location: Stage A

Keywords: Holocaust, art, religion

Fuentes, Elisa

Elisa Fuentes, James Moench, Eric Sotelo, Andrea Hieser, Teri Croy

Dance Program for Special Needs Individuals

Poster

Session III, 2:00pm-4:00pm, Location: Display board 77B

Keywords: Dance, Special Needs, Music Awareness

Fulton, Brooke

Body Image In America

Poster

Session III, 2:00pm-4:00pm, Location: Display board 74B

Keywords: body image, self-esteem, self-worth

Gaddo, Emily

Sustainable Landscape Maintenance Internship

Oral Presentation

Morning, 9:20am-9:30am, Location: duBois Meadows

Keywords: Sustainability, Landscape, Herbicides,

Gamez Molina, Vivianna

Exchanging Gases Between Algae and Biogas in a Life-Support System

Poster

Session III, 2:00pm-4:00pm, Location: Display board 34A

Keywords: Algae, Biogas, Life-Support

Gamez Molina, Vivianna

Exchanging Gases Between Algae and Biogas in a Life-Support System

Oral Presentation

Afternoon, 2:45pm-3:00pm, Location: Stage A

Keywords: Algae, Biogas, Life-Support

Garcia, Ashley

Kaitlin Booth and Caitlyn Rogers

A Theoretical Approach to Understanding the Culture of Poverty: A Call for More Positivity

Poster

Session III, 2:00pm-4:00pm, Location: Display board 51B

Keywords: Poverty, communication, culture

Garcia, Lorissa

Acoma Pueblo Womens Leadership Roles

Poster

Session III, 2:00pm-4:00pm, Location: Display board 46D

Keywords: Women, Leadership, Tribal

Garcia, Ralph

Sarah Thomas, Jacob Barrow, Matthew Valente

Espresso Yourself

Poster

Session III, 2:00pm-4:00pm, Location: Display board 64B

Keywords: Caffeine, Sleep, Stress.

Gardner, Edward

Rhetoric of Food and Travel Writing

Exhibit

Morning, 9:00am-11:00am, Location: CAL Tables

Keywords:

Gardner, Jessica

Rhetoric of Food and Travel Writing

Exhibit

Afternoon, 2:00pm-4:00pm, Location: CAL Tables

Keywords:

Garduno, Brittany

Homophobia Linked to Athletic Uniforms

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Homophobia Athletic Uniforms

Garza, Jasmine

The First Female Nobel Prize Winner in Physiology or Medicine, Gerty Cori 1947

Poster

Session I, 9:00am-11:00am, Location: Display board 5C

Keywords: Nobel Prize, Physiology, Women

Gelety, Christopher

Comparison of the Effects of Conscientiousness on Iowa Gambling Task Performance

Poster

Session III, 2:00pm-4:00pm, Location: Display board 70D *Keywords*: Neuroscience Cognition Conscientiousness

Gene, Erelda

Miranda Yellowhorse

The Pathway of Academic Success Programs for AI/ANSstudents, How it is Used and Where Does it Lead?

Poster

Session I, 9:00am-11:00am, Location: Display board 80D *Keywords:* Native Amerian, academic programs, educational

Gennarelli, Joseph

Josh Stone, Chris Allender, Dr. Apichai Tuanyok

Genomic Islands in Burkholderia pseudomallei

Poster

Session I, 9:00am-11:00am, Location: Display board 9A *Keywords*: Microbiology, Genetics, Mobile Genetic Elements

Geraldo, Michael

Essential Fast Food

Poster

Session III, 2:00pm-4:00pm, Location: Display board 99C

Keywords: Fast Food

Gerardo, Gina

Development of Novel Antibacterial Drugs

Poster

Session III, 2:00pm-4:00pm, Location: Display board 19D

Keywords: Antibacterial, Tryptophan, cycloaddition

German, Sabrina

Owen P. Leiser, Jeff T. Foster, Paul S. Keim

Isolation and Characterization of Clostridium botulinum from Commercial Honey

Poster

Session III, 2:00pm-4:00pm, Location: Display board 17D

Keywords: Clostridium, botulinum, honey

Gilbertson, Selina

Investigations of T-avoding elements of Coxeter groups

Poster

Session I, 9:00am-11:00am, Location: Display board 29C

Keywords: Coxeter group combinatorics

Gilbertson, Selina

Obstacle Wall Design for the NAU Challenge Course Team 2

Oral Presentation

Afternoon, 2:20pm-2:45pm, Location: duBois Southwest Room

Keywords: Engineering Wall Design

Gillman, Kelli

Nick Rutherford, Wieland Mego

Thumbs Up!

Poster

Session III, 2:00pm-4:00pm, Location: Display board 64D

Keywords: Hitchhiking, Gender, Sex

Gobster, Chelsea

Cierra Winters, Amanda Anderson

Biomechanical Analysis of Running on an Anti-Gravity Treadmill from a Rear View

Poster

Session I, 9:00am-11:00am, Location: Display board 79D

Keywords: Alter-G, Dartfish, Gait

Godwin, Kyle

Blake Lawrence, Eric Brettner, Adam Compton, Yuchen Liu

Solar Autoclave for Rural Areas

Poster

Session III, 2:00pm-4:00pm, Location: Display board 38D

Keywords: Solar, autoclave, medical

Godwin, Kyle

Blake Lawrence, Eric Brettner, Adam Compton, Yuchen Liu

Solar Autoclave for Rural Areas

Oral Presentation

Morning, 10:40am-11:05am, Location: duBois Fremont

Keywords: Solar, autoclave, medical

Goldtooth, Audrey

History of Uranium Mining Impact on Traditional Navajo Lifeways

Poster

Session III, 2:00pm-4:00pm, Location: Display board 46C

Keywords: Navajo Uranium Health Disparities

Gottschalk, Helen

Madelyne Felsch, Kelsie Lawson

The Efficacy and Outcomes of ESL Programs in American Public Schools K-12

Poster

Session III, 2:00pm-4:00pm, Location: Display board 45A

Keywords: ESL, education, America

Gould, Jessie

Rhetoric of Food and Travel

Oral Presentation

Afternoon, 4:10pm-4:20pm, Location: Stage D

Keywords:

Gould, Jessie

Rhetoric of Food and Travel Writing

Exhibit

Morning, 9:00am-11:00am, Location: CAL Tables

Keywords:

Graf, Alessandra

A New Graceful Labeling for Pendant Graphs

Poster

Session I, 9:00am-11:00am, Location: Display board 97B *Keywords:* graph theory; graceful labelings; pendant graphs

Green, Paisley

Michael Combrink, Mikayla Cutlip, Mia Aguirre, Elisabeth Sorg, Elizabeth Fry, Gerald Lamb, Gabriella Perez-

Mendoza, Gabrielle Mortellaro, Blaze Valencia, Justin Bigelow, Gage Williams

Life and Death in the Bedzin Ghetto: An Interdisciplinary Holocaust Research Project

Oral Presentation

Morning, 10:45am-11:15am, Location: Stage A

Keywords: Holocaust Public History

Greenhalgh, Jake

Pattern Recognition and Decision Making

Poster

Session III, 2:00pm-4:00pm, Location: Display board 69D

Keywords: IGT, PEBL, Psychology

Griffin, Allison

Positive Notes - Pass Them On

Oral Presentation

Afternoon, 1:00pm, Location: Stage D *Keywords:* Positivity, Kindness, Thanks

Groyer, Molly

Project Assessment of Structures Certified by the Coconino County Sustainable Building Program

Oral Presentation

Afternoon, 4:55pm-5:05pm, Location: duBois Meadows

Keywords: sustainability, energy efficiency

Grundy, Morgan

Anna McCabe, Molly Ewbank, Ethan Goodman, Cecilia Garcia, Dr. Nora Dunbar

Improving College Freshman Retention and Enhancing Various Correlated Factors

Poster

Session III, 2:00pm-4:00pm, Location: Display board 71A

Keywords: Resiliency, Social, Problem Solving

Guice, Kristina

The Language of Harry Potter

Oral Presentation

Afternoon, 1:00pm, Location: Stage B

Keywords: linguistics, corpus linguistics, Harry Potter

Gutierrez, Estefania

Lauren Sanchez

RAPE

Poster

Session III, 2:00pm-4:00pm, Location: Display board 53B

Keywords: Rapists, victims, accused

Hagan, Tayler

Jennie Long, Greg Robertson, Zach Klinefelter

The Effects of Audience Size on Nervousness

Poster

Session III, 2:00pm-4:00pm, Location: Display board 61D

Keywords: Audience Size Nervousness

Hager, Brett

Michelle J. Lee and J. Richard Coast

The Effect of Posture Change on Pulmonary Diffusing Capacity and Cardiac Output

Poster

Session III, 2:00pm-4:00pm, Location: Display board 15D *Keywords:* Posture, Diffusing Capacity, Cardiac Output

Hahn, Hunter

Memoir of the Subconscious

Oral Presentation

Afternoon, 2:00pm, Location: Stage B *Keywords:* journal, dreams, surrealism

Hallman, Robert

Chopin on Bass

Performance

Afternoon, 2:00pm, Location: Stage D *Keywords:* music, instrumental, classical

Halvorsen, Tiffany

Prions: Proteinaceous Infectious Particles

Poster

Session I, 9:00am-11:00am, Location: Display board 4C

Keywords: Microbiology, Molecular Biology, Physiology & Medicine

Hamilton, Sarah

Comparison of Soil Microbial Communities of Native and Non-Native Grasses

Oral Presentation

Afternoon, 5:05pm-5:15pm, Location: duBois Meadows

Keywords: Soil, DNA, Invasive Species

Hamilton, Susanna

Wind for Schools

Poster

Session III, 2:00pm-4:00pm, Location: Display board 21B *Keywords:* Community outreach, Wind energy, Teaching K- 12

Hamm, Deborah

Searching for Kuiper Belt Objects using Ground-Based Telescopes

Poster

Session III, 2:00pm-4:00pm, Location: Display board 2D

Keywords: Kuiper Belt Objects, Solar System evolution, Imaging

Handel, Michael

Arlyssa Watts, Kelly Curry, Kristyn Nielsen

Poverty in Contemporary America

Poster

Session III, 2:00pm-4:00pm, Location: Display board 52A *Keywords*: Poverty, Communication, Contemporary America

Hanf, Ian

Assessing Water Rights for National Forest Springs

Oral Presentation

Morning, 10:50am-11:00am, Location: duBois Meadows

Keywords: Springs, Water rights, Restoration

Hanlon, Ashley

Olivia Timothy, Jeanette Hernandez, Emacia Tsosie

Does Being Blue Mean Seeing Green? An Analysis of Depression and Jealousy

Poster

Session III, 2:00pm-4:00pm, Location: Display board 68D

Keywords: Depression, Jealousy, Gender

Harnois, Christopher

Rhetoric of Food and Travel Writing

Exhibit

Afternoon, 2:00pm-4:00pm, Location: CAL Tables

Keywords:

Harper, Jael

Garth Calderon, William Parrish, Austin Simmon

iPhone vs. Android: Cell Phones and Sex

Poster

Session III, 2:00pm-4:00pm, Location: Display board 63C

Keywords: sex technology brands

Harper, Heather

Applying Agricultural Methods Discovered in the Archaeological Record to the Modern Farmer Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL *Keywords:* Archaeology, Agriculture, Biodiversity

Harrison, Candace

Suicide

Poster

Session III, 2:00pm-4:00pm, Location: Display board 49C

Keywords: Suicide Indigenous Communities

Hart, Kendra

Bruce Hungate, George Koch, Zhuoting Wu

The Response of Aboveground Net Primary Production to Climate Change in Northern Arizona Grasslands, 2002-2012

Poster

Session I, 9:00am-11:00am, Location: Display board 17A

Keywords: Climate, Change, Plants

Harter, Elizabeth

Self Other Discrimination of the Mirror Neuron System

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Mu suppression, mirror neurons

Hatch, Hailey

Devin Bierl, Maddison Savage

Analysis of Emotion through a Colorful Perspective

Poster

Session III, 2:00pm-4:00pm, Location: Display board 63B

Keywords: Color, Emotion, Task

Hawkinson, Jeffrey

Action Research and Engaged Learning: Foodlink Community Gardens

Poster

Session I, 9:00am-11:00am, Location: Display board 92D

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Healy, Faye

Daesik Park, Rex R. Bergamini, Kevin Daniels, Catherine R. Propper

Evaluating Naturalized Populations of Western Mosquitofish, Gambusia affinis, in the Verde River Watershed for Biomarkers of Endocrine Disruption

Poster

Session III, 2:00pm-4:00pm, Location: Display board 3B

Keywords: Waterways, Endocrine Disruption, Contamination

Heap, Alissa

A Sustainable Passive Solar Home for a Veteran with PTSD

Poster

Session III, 2:00pm-4:00pm, Location: CAL EASEL

Keywords: PTSD Sustainability Design

Heitzinger, Christina

Kylie Suter, Nicole Flanagan, Meghan Harting

DIS 485: Undergraduate Research Through IHD

Poster

Session I, 9:00am-11:00am, Location: CHHS EASEL

Keywords: Undergraduate Research Study

Helmkamp, Robert

Sustainable Landscape Maintenance Project

Oral Presentation

Morning, 10:00am-10:10am, Location: duBois Meadows

Keywords: Sustainable, Landscape, Green

Herder, Denyse

Navajo Philosophy as a Protective Factor for Navajo Youth Against Risky Behaviors

Poster

Session III, 2:00pm-4:00pm, Location: Display board 47C

Keywords: Navajo, Philosophy, Risky

Hernandez, Jorge

Ian Braun, Andrew Halley, Haikal bin Maamor

Complete Civil Engineering Site Plan and Design for a Proposed Hualapai Museum

Oral Presentation

Morning, 8:55am-9:20am, Location: duBois Southwest Room

Keywords: Engineering Hualapai Museum

Herrera, Crispin

Dane Eccles, Charles Manchen, Bryce Smith, Marcus Tallman, Blake Willmes

NAU Portable Rain Room

Poster

Session III, 2:00pm-4:00pm, Location: Display board 40B

Keywords: Portable Rain Room

Herrera, Crispin

Dane Eccles, Charles Manchen, Bryce Smith, Marcus Tallman, Blake Willmes

NAU Portable Rain Room

Oral Presentation

Morning, 9:50am-10:15am, Location: duBois Fremont

Keywords: Portable Rain Room

Herrera, Luis

Koll Christianson, Zheng Lian, Shaun Shultz

Separation Connector Improvement for Orbital Sciences Corporation

Poster

Session I, 9:00am-11:00am, Location: Display board 42A

Keywords: separation connector, "Ball Bearing Detent", "Orbital Sciences"

Herrera, Luis

Koll Christianson, Zheng Lian, Shaun Shultz

Separation Connector Improvement for Orbital Sciences Corporation

Oral Presentation

Afternoon, 2:20pm-2:45pm, Location: duBois Agassiz

Keywords: separation connector, "Ball Bearing Detent", "Orbital Sciences"

Heyert, Alexanndra

Cell Phones in The Classroom

Poster

Session III, 2:00pm-4:00pm, Location: Display board 21D

Keywords: cell phone, grades, distractions

Hickman, Will

Enumerating Sockeye Smolt in Chilkoot River, Haines, Alaska

Oral Presentation

Morning, 8:20am-8:30am, Location: duBois Meadows

Keywords: Sockeye Enumeration Chilkoot

Hill, Jennifer

The Power of Faith in The Laramie Project

Oral Presentation

Afternoon, 1:00pm, Location: Stage B *Keywords*: Community, Tragedy, Hope

Hill, Joseph

A Way to Clean by Being Green

Oral Presentation

Afternoon, 3:15pm-3:30pm, Location: Stage A

Keywords: green, cleaning, chemicals

Hite, Addie

Controlling Pain in Postoperative Joint Replacement Patients

Poster

Session I, 9:00am-11:00am, Location: Display board 83A

Keywords: pain control, postoperative patients, PCA, PRN medications

Hochhalter, Christian

J. Gruendike, Michaela Harbeck, Dawn Birdsell, Katy L. Parise, Julia M. Riehm, Holger C. Scholz, Paul Keim, David M. Wagner

Technical Considerations for Robust Confirmation from Ancient DNA Samples: Yersinia pestis DNA in 6th Century Skeletal Remains

Poster

Session III, 2:00pm-4:00pm, Location: Display board 11B

Keywords: Plague, Ancient, Synthetic

Hogrelius, Zanden

TH 485-3 Class

Shadow Puppets

Performance

Afternoon, 3:00pm-4:00pm, Location: Stage E *Keywords*: Puppetry and Shadow Puppets

Hontz, Kelsev

Red, White, and Green: Veganism in America

Poster

Session III, 2:00pm-4:00pm, Location: Display board 97C

Keywords: vegan poster

Hontz, Kelsey

The Way Nancy Smiles

Oral Presentation

Morning, 9:00am, Location: Stage B

Keywords: short story

Hopper, Austin

Kelsey Deckert Stephanie Sarty

NAU Challenge Course - Climbing Wall Design

Oral Presentation

Morning, 11:05am-11:30am, Location: duBois Southwest Room

Keywords: Climbing Challenge Course

Hosch, Elliot

Internship at Phoenix Comicon

Oral Presentation

Morning, 11:20am-11:30am, Location: duBois Meadows

Keywords: internship growth learning

Hottel, Sarah

Factors Influencing Metallic Blue Ladybird Beetle Abundance

Poster

Session III, 2:00pm-4:00pm, Location: Display board 7D

Keywords: Ladybug Abundance Saipan

Huang, Lixiong

Desalination in San Diego

Poster

Session II, 11:30am-1:30pm, Location: Display board 84A

Keywords: Seawater, Desalination, Market

Hughes, Phoebe

Postmodernism in Slaughterhouse-Five

Oral Presentation

Afternoon, 1:00pm, Location: Stage B

Keywords: Literature, Postmoderism, Kurt Vonnegut

Hulina, Chelsea

Fluoridation Program Cost/Benefit of Water Quality

Poster

Session II, 11:30am-1:30pm, Location: Display board 85D

Keywords: fluoride, consumer health

Humphrey, Helen

Helen Humphrey, Christina Rico, Sarah Turner, Alissa Heintz

Does Skin Exposure Affect Perceived Attractiveness?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 61A

Keywords: attraction, skin exposure, attractivness

Humphries, Sarah

Alex Messina, Carrie Bindschadler, Jered Kral, Eric Susak

AWP Writer's Conference Panel

Oral Presentation

Afternoon, 3:00pm, Location: Stage D *Keywords:* Honors Writing Conference

Hungate, Madalyn

The Scent of Memory

Poster

Session III, 2:00pm-4:00pm, Location: Display board 62A

Keywords: Proustian Phenomenon, Memory, Scent

Hunt, Mackenzie

Creating the Ultimate Boutique Hotel Experience in Revelstoke, BC

Poster

Session I, 9:00am-11:00am, Location: Display board 96B *Keywords*: Boutique Hotel, Mountain, Interior Design

Ing, Calvin

Michael Bechtel, Ryan Mahar

American Society of Civil Engineers Student Competition Steel Bridge Design Team 1

Oral Presentation

Afternoon, 1:55pm-2:20pm, Location: duBois Southwest Room

Keywords: ASCE Steel Bridge

Irving, Louis

Marc Brewer, Sara Tackett, Brianna Welker

Fear and Loathing in Psychology Majors

Poster

Session III, 2:00pm-4:00pm, Location: Display board 65A *Keywords*: Neuroticism, Psychology Majors, Personality

Jackson, Randy

Matt Garcia, Jeremy Mountain, Qian Tong, Hui Yao

Design of Material Testing Fixture

Poster

Session III, 2:00pm-4:00pm, Location: Display board 39A

Keywords: Magnetic Shape Memory

Jackson, Randy

Matt Garcia, Jeremy Mountain, Qian Tong, Hui Yao

Design of Material Testing Fixture

Oral Presentation

Morning, 9:20am-9:50am, Location: duBois Agassiz

Keywords: Magnetic Shape Memory

Jacobson, Dane

Michael Woodward

The Mathematics of the Game Spinpossible

Poster

Session I, 9:00am-11:00am, Location: Display board 30A

Keywords: Mathematics Research Spinpossible

Jaramillo, Katelyn

MNC's in the Developing World: India and China

Poster

Session III, 2:00pm-4:00pm, Location: Display board 58C

Keywords: Multinational Corporations, India, China

Jarpe, Joel

Kaitlyn Patterson, Adam Rogers, Tyler Lee

Geological Data Transmitter

Poster

Session I, 9:00am-11:00am, Location: Display board 37C

Keywords: Wireless, Upgrade, Compact

Jarpe, Joel

Kaitlyn Patterson, Adam Rogers, Tyler Lee

Geological Data Transmitter

Oral Presentation

Afternoon, 2:50pm-3:15pm, Location: duBois Room A

Keywords: Wireless, Upgrade, Compact

Jeffrey, Daliza

American Food Deserts and its Threat to Minorities

Poster

Session III, 2:00pm-4:00pm, Location: HONORS EASEL

Keywords: Food Deserts, Food Insecurity, Minorites

Jenkins, Darbi

Ciera Lund, Kayla Frosaker

Effect of Personality Type and Greek Affiliation on Substance Abuse

Poster

Session III, 2:00pm-4:00pm, Location: Display board 68B

Keywords: Personality, Greek, Substance Abuse

Jensen, Deidra

The Effects of Demembranation on Passive Force in Skeletal Muscle

Poster

Session I, 9:00am-11:00am, Location: Display board 17C

Keywords: Titin Passive Skinning

Jimenez, Yordano

Alice C. Gibb, Ian MacDonald

Do California Halibut Develop Different Escape Responses between their Larval and Adult Life Stages?

Poster

Session I, 9:00am-11:00am, Location: Display board 13A

Keywords: Flatfish Escape Development

Joffroy, William

Marika Meassick, Margaret Sheble, Gabriela Perez-Mendoza, Rush Moore, Edan Maoz

Collaborative Service-Learning: The Berlin Wall Relocation Project

Poster

Session III, 2:00pm-4:00pm, Location: CAL EASEL

Keywords: Berlin Wall, Design, History

Johnson, Erika

Ammon Burdge

Plea Bargaining

Poster

Session III, 2:00pm-4:00pm, Location: Display board 53A

Keywords: plea bargain sentences

Johnson, Lauren

Christopher Gelety, Melissa Birkett

Sex Differences in Immune Response to a Social Stressor

Poster

Session III, 2:00pm-4:00pm, Location: Display board 65D

Keywords: Immune, Stress, Anxiety

Jones, Burrell

Power of Language that Influences the Significance of Water in the Soutwest

Poster

Session III, 2:00pm-4:00pm, Location: Display board 47D

Keywords: Water, Southwest, Language

Jones, LouGene

Hyperplane Arrangments and Linear Syzygies

Poster

Session I, 9:00am-11:00am, Location: Display board 30C

Keywords: Hyperplane arrangements, linear syzygy, polynomial master functions

Jones, Madison

Sex Trafficking in the United States

Poster

Session III, 2:00pm-4:00pm, Location: Display board 74C

Keywords: Sex, International, Prositution

Karge, Colin

Processes Contributing to Avalanche Danger in a Unique Snow Climate: A Case Study on The San Francisco Peaks

Poster

Session III, 2:00pm-4:00pm, Location: Display board 54B

Keywords: Snow Science, Physical Geography, Avalanche Studies

Kaumaya, Alexa

Rediscovering Identities: Improving Arcosanti through Arts Marketing

Oral Presentation

Morning, 10:15am-10:30am, Location: Stage A

Keywords: Arts, Culture, Marketing

Keeling, Aleigha

Understanding Rising Food Insecurity in the New Millennium

Poster

Session III, 2:00pm-4:00pm, Location: HONORS EASEL *Keywords:* Food Insecurity, Hunger, Poverty, Inequality

Keig, Patrick

Self Portrait Studies

Exhibit

, 9:00am-11:00am; 2:00pm-4:00pm, Location: CAL EASEL

Keywords: painting, art, figurative artwork

Keller, Allie

Karly Matthews

Action Research and Engaged Learning: H.E.A.L.T.H.

Poster

Session II, 11:30am-1:30pm, Location: Display board 93A

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Kellie, Cluff

Las Vegas Conservation and Restoration

Poster

Session II, 11:30am-1:30pm, Location: FCB EASEL *Keywords:* Conservation, Restoration, and drought

Kellie, Cluff

Las Vegas Water Programs

Poster

Session II, 11:30am-1:30pm, Location: Display board 88D

Keywords: water conservation and restoration

Kelly, Meghan

Rhetoric of Food and Travel Writing

Exhibit

Morning, 9:00am-11:00am, Location: CAL Tables

Keywords:

Kennedy, James

Flagstaff Policing: Misdemeanor Charges by Race and Gender

Poster

Session III, 2:00pm-4:00pm, Location: Display board 71D

Keywords: Race, Gender, Police

Kettelkamp, Jessica

Jessica Kettelkamp and Danny Washburn

PCI Big Beam 2

Oral Presentation

Afternoon, 1:30pm-1:55pm, Location: duBois Southwest Room

Keywords: Prestressed Concrete beam

Kimble, Leigh

Always Enough

Oral Presentation

Morning, 9:00am, Location: Stage B

Keywords: Short Story, Identity, Self-Expression

Kimble, Leigh

The Role of Literature in Nazi Germany

Oral Presentation

Afternoon, 4:00pm, Location: Stage C *Keywords*: Literature, Nazis, Influence

King, Dakota

Binary Thinking: Humanity's Construction

Oral Presentation

Morning, 11:00am, Location: Stage D

Keywords: communication, humanities, philosophy

King, Marlee

Celena Leland, Rolando Yazzie, Desyre Diaz

What's Hot - Taken or Not?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 63D

Keywords: Attraction relationship prefrences

Kinser, Rebeca

Valerie Gibbs

A New Database of Craters 5-km-Diameter and Larger for the Moon: Wetern Nearside

Poster

Session III, 2:00pm-4:00pm, Location: Display board 1B

Keywords: Craters, Moon, Planetary

Kirchmeier, Kevin

Community Outreach with Friends of Flagstaff's Future

Oral Presentation

Morning, 8:40am-8:50am, Location: duBois Meadows

Keywords: Education, Outreach, Involvement

Kish, Nathan

Daniel Andenmatten, Brandon Hoffman, Chris Simpson, Pengfei Wu

Nestlé Purina Dryer Efficiency Improvements

Poster

Session III, 2:00pm-4:00pm, Location: Display board 41A

Keywords: Purina. Dryer. Efficiency.

Kish, Nathan

Daniel Andenmatten, Brandon Hoffman, Chris Simpson, Pengfei Wu

Nestlé Purina Dryer Efficiency Improvements

Oral Presentation

Morning, 8:55am-9:20am, Location: duBois Fremont

Keywords: Purina. Dryer. Efficiency.

Klaas, Danielle

Climate Sensitivity of Co-Occurring Species on the North Rim of the Grand Canyon

Poster

Session III, 2:00pm-4:00pm, Location: Display board 27D

Keywords: climate, grand, canyon

Klein, Jerimiah

Zealot in Combat

Exhibit

Afternoon, 4:00pm-5:00om, Location: Honors Table

Keywords: Drawing, art, surreal.

Klein, Lucas

The Physics of a Violin String

Poster

Session III, 2:00pm-4:00pm, Location: Display board 30B

Keywords: Violin String Physics

Kotowich, Shantelle

Painting in Progress

Exhibit

, 9:00am-5:00pm, Location: CAL EASEL

Keywords: art figurative painting

Krementz, Dana

Disability, Gender, and Indigenous Status; Assessment of and Proposals for Overcoming Intersectional Barriers to Public Health Service

Poster

Session III, 2:00pm-4:00pm, Location: Display board 47A

Keywords: Native Women with Disabilities, Public Health Services, Systemic Exclusion

Kruse, Samantha

Female Sex-Positivity

Oral Presentation

Afternoon, 1:00pm, Location: Stage D

Keywords: Sex-Positivity Female Empowerment

Kutsop, Nicholas

David Trilling

Thermal Inertia of Uranian Satellites Surfaces

Poster

Session I, 9:00am-11:00am, Location: Display board 33A

Keywords: Uranus, Infrared, Moons

Kuykendall, Kayla

Cortney Shriver, Rebecca Frodsham

The Performance of Top Two Primary Elections in Washington and California

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: primary, elections, state

Laird, Ian

Desalination (Cost Benefit Analysis)

Poster

Session II, 11:30am-1:30pm, Location: Display board 87D *Keywords:* Economics, Desalination, Costs and Benefits

Laird, Taryn

Jose Martinez

Trees of Irreducible Numerical Semigroups

Poster

Session I, 9:00am-11:00am, Location: Display board 31A *Keywords*: Directed Tree Graphs, Numerical Semigroups,

Laird, Taryn

Trees of Irreducible Numerical Semigroups

Oral Presentation

Morning, 10:00am, Location: Stage D

Keywords: Directed Tree Graphs, Numerical Semigroups,

Lamy, Tyler

Sidney Michl, Krystal Khuu

Enough Water?

Poster

Session I, 9:00am-11:00am, Location: Display board 98A

Keywords: Rivers, Allocations, Behavior

Lamy, Tyler

Brian Western, Andrea Heppner How Fear Affects Memory Recall

Poster

Session III, 2:00pm-4:00pm, Location: Display board 59D

Keywords: Fear Memory Recall

Landis, Margaret

American Women in the Sherlock Holmes Short Stories

Oral Presentation

Afternoon, 1:00pm, Location: Stage B

Keywords: Sherlock Holmes, gender, Americans

Landis, Margaret

Impact Crater Analysis of Southcentral Arabia Terra, Mars

Oral Presentation

Morning, 10:00am, Location: Stage D

Keywords: planetary science, impact craters, Mars

Landis, Margaret

Lesbian Bond Girls: Bond's Greatest Challenge and Conquest

Oral Presentation

Afternoon, 3:00pm, Location: Stage B *Keywords:* James Bond, gender, film

Lane, Taylor

James Maxcy

Women and Crime

Poster

Session III, 2:00pm-4:00pm, Location: Display board 52D

Keywords: Women, Crime, Gender

Largent, Rebecca

Homosexuality and the Military

Poster

Session III, 2:00pm-4:00pm, Location: Display board 76C

Keywords: military, sexuality, policy

Lassiter, Linda

Dr. David K. Elliott

An Investigation of Eurypterid Arthropods as Predators on Early Vertebrates

Poster

Session III, 2:00pm-4:00pm, Location: Display board 29B

Keywords: Eurypterid; Agnathan; Early Paleozoic

Lavarias, Mitchell

Ionic Charge and the Hofmeister Series Effects on Model Intrinsically Disordered Proteins

Poster

Session III, 2:00pm-4:00pm, Location: Display board 18B

Keywords: IDPs Hofmeister salts

Ledgerwood, Madison

Frankie Beesley

Action Research and Engaged Learning: WACBAT

Poster

Session III, 2:00pm-4:00pm, Location: Display board 94D

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Lee, Ryan

Leadership Aspects of Public Administation

Poster

Session III, 2:00pm-4:00pm, Location: Display board 56C

Keywords: Public Administration Leadership

Leefers, Alex

LAIT

Video

Afternoon, 4:30pm-4:35pm, Location: Stage A

Keywords: decisions, adventure, dairy

Lenkaitis, Shea

Rhetoric of Food and Travel Writing

Exhibit

Lunch, 11:30am-1:30pm, Location: CAL Tables

Keywords:

Lerma, Carlos

Clinton Moran

A Tail of Two Fishes: Evolutionary Convergence and Divergence in Caudal Peduncle Morphology in Southwestern Native Fishes.

Poster

Session III, 2:00pm-4:00pm, Location: Display board 8D *Keywords*: Morphology, Gila spp., Colorado River

Leyva, Alysha

Sara Ditmanson

Poetry Workshop: Body Image & Media

Oral Presentation

Afternoon, 1:00pm, Location: Stage D *Keywords*: Beauty, media, confidence

Lin, Weiqiao

Water/Energy Nexus

Poster

Session II, 11:30am-1:30pm, Location: Display board 90A *Keywords:* Hidroelectricity, Net power used, water projects

Lipar, Brent J

Spice da Future

Poster

Session III, 2:00pm-4:00pm, Location: Display board 100B

Keywords: Spice, Health, Culture

Littleben, Crystal

What are the Affects of Historical Intergenerational Trauma Among the Navajos on the Navajo Reservation

Poster

Session III, 2:00pm-4:00pm, Location: Display board 49B

Keywords: Navajo, Historical Trauma, Psychology

Litvack, Emily

Jackson Leonard, Emily Litvack, Allison Whiteford

Using the Phylum Bacillariophyta to Determine Ecological Conditions of Streams in Northern Arizona's Rim Country

Poster

Session III, 2:00pm-4:00pm, Location: Display board 9D

Keywords: Diatoms, fire ecology, streams

Lofgreen, David

Andrew Baker, Timothy Haynes, Styson Koide, Carly Siewerth, Christopher Temme

Release Lanyard Redesign

Poster

Session III, 2:00pm-4:00pm, Location: Display board 42C

Keywords: Raytheon Activation System

Lofgreen, David

Andrew Baker, Timothy Haynes, Styson Koide, Carly Siewerth, Christopher Temme

Release Lanyard Redesign

Oral Presentation

Morning, 10:15am-10:40am, Location: duBois Fremont

Keywords: Raytheon Activation System

Loney, Ivy

Ivy Loney, Ashton Dunphy, Shane Sumonsavadit

Espana-Vive el Sueno

Poster

Session III, 2:00pm-4:00pm, Location: Display board 72D

Keywords: Study Abroad Sociology

Longley, Michael

Virtual Games as Art

Oral Presentation

Afternoon, 2:00pm, Location: Stage D

Keywords: Art Virtual Games

Loritz, Brenda

Capitalism Verses Ethnic Values

Poster

Session III, 2:00pm-4:00pm, Location: Display board 57A

Keywords: Arunachal, Capitalism, Values

Lostutter, Aaron

Manufacturing Rocket Engine Nozzles with 3D Printing

Poster

Session III, 2:00pm-4:00pm, Location: Display board 31D

Keywords: 3D Printing Rockets

Lovell, Lindsey

Dr. Kevin Drees, Dr. Jeffrey Foster, Katy Parise

Genetic Diversity of North American and European Geomyces destructans Isolates from Bats and Cave Sediment Determined with Multi-Locus Variable Number Tandem Repeat Analysis

Poster

Session I, 9:00am-11:00am, Location: Display board 11C

Keywords: Geomyces destructans, MLVA, White Nose Syndrome

Lowery, Mary

Acrchaeological Correlates of Gopalpur Culture

Poster

Session III, 2:00pm-4:00pm, Location: Display board 44B

Keywords: Culture, India, Tools

Lytikainen, Sarah

Mikaela Land

Relationship Satisfaction & Anxiety

Poster

Session III, 2:00pm-4:00pm, Location: Display board 59C

Keywords: relationship, satisfaction, anxiety

MacKenna, Perry

William Huffman, Ann Huffman, Joseph Barbour

Students' Texting Behavior: What Role Does Narcissism Play?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 72A

Keywords: Texting Narcissism Psychology

Madi, Melody

Ethnicity in the Classroom

Poster

Session III, 2:00pm-4:00pm, Location: Display board 77C

Keywords: ethnicity, elementary, awareness

Magoffin, Caitlin

Teresa Butman

Reducing Catheter Related Bloodstream Infections: Which disinfectant is most effective to clean needle-less access ports on central venous access devices, 70% Isopropyl alcohol or 2% Chlorhexidine in 70% Isopropyl alcohol?

Poster

Session I, 9:00am-11:00am, Location: Display board 81D

Keywords: Central Line Disinfection

Malone, Shari

Shari Malone, Kevin Moorhouse, Allison Ritter *The Pursuit of Happyness: Poverty in the Media*

Poster

Session III, 2:00pm-4:00pm, Location: Display board 51C

Keywords: Poverty, Media,

Maltinsky, Sara

Where is the Genomic Break that Delineates the High Copy and Low Copy Regions in Pancreatic Cancer Cells?

Poster

Session I, 9:00am-11:00am, Location: Display board 10D

Keywords: Cancer, genomic break

Manrique, Siobhan

Why the Dead Man Loves Hot Tea: Several Poems

Performance

Afternoon, 2:00pm, Location: Stage B *Keywords:* Poetry creative writing

Maoz, Edan

Designing a home for the ADHD user

Oral Presentation

Afternoon, 2:15pm-2:30pm, Location: Stage A *Keywords*: ADHD, Interior Design, Residential

Marshall, Cassandra

A Comparison of the Predictors of Problematic Alcohol Use in Family History Positive and Family History Negative College Students

Poster

Session III, 2:00pm-4:00pm, Location: Display board 60C

Keywords: Family history, alcohol, predictors

Marshall, Colton

Margaret McKever, Paul Doose, Ryan Lessley

Classroom Attendance Solution Using Facial Detection and Recognition

Poster

Session III, 2:00pm-4:00pm, Location: Display board 35C *Keywords:* attendance, facial recognition, engineering

Marshall, Colton

Margaret McKever, Paul Doose, Ryan Lessley

Classroom Attendance Solution Using Facial Detection and Recognition

Oral Presentation

Morning, 11:05am-11:30am, Location: duBois Room A *Keywords:* attendance, facial recognition, engineering

Martinez, Bennet

Emily Brown

Efforts to Isolate and Quantify the Siderophore Petrobactin from Various Environmental Bacteria

Poster

Session I, 9:00am-11:00am, Location: Display board 22C

Keywords: "Siderophore", "Chrome Azurol S Assay" "Petrobactin"

Martinez, Jessica

Nicholas W. Gengler, Kristen J. Fouts, Rachael N. Greer

River Otters - Possible Ecological Impacts on Threatened Riparian Species of Arizona

Poster

Session I, 9:00am-11:00am, Location: Display board 10A

Keywords: otters, gartersnakes, ecology

Matthews, Sarah

Michael Phillips, Austin Shannon, Kristy Silva, Kristina Simpson, Meagan Waltz, Carlos Zaragoza

Youth, Arts and Free Speech Movements panel

Oral Presentation

Morning, 10:00am, Location: Stage C *Keywords*: Youth, Music, Freedoms

Maughan, Weston

Dr. Stephen Tegler, Dr. Will Grundy

Indentification of Absorption Characteristics of Oxygen Ice for Comparison to Icy Celestial Bodies

Poster

Session I, 9:00am-11:00am, Location: Display board 2A

Keywords: Absorption, Ice, Oxygen

Mayoral, Joshua

Mucin Gene Expression during Toxoplasma gondii Infection

Poster

Session III, 2:00pm-4:00pm, Location: Display board 4B

Keywords: Parasitism, mucus, intestines

McCormick, Michael

Greg Andolshek, Alex Koch

Group Wrangler: A Web-based Group Management System

Poster

Session I, 9:00am-11:00am, Location: Display board 36A

Keywords: online, group, management

McCormick, Michael

Greg Andolshek, Alex Koch

Group Wrangler: A Web-based Group Management System

Oral Presentation

Afternoon, 1:55pm-2:20pm, Location: duBois Room A

Keywords: online, group, management

McFarlin, Lauren

Steve Tyree, Jenny Tighe, Trevor Ganske

MAPP

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Interactive Map Application

McKinney, Veronica

EGR 186, Section 14

TWICE (group 2)

Poster

Session III, 2:00pm-4:00pm, Location: Display board 43D

Keywords: Re-use,

McLean, Kathryn

Stephanie Wolff, Dr. Catherine R. Propper

Gene Regulation of Triiodothyronine during Gonadal Differentiation in Xenopus laevis

Poster

Session I, 9:00am-11:00am, Location: Display board 12A

Keywords: Thyroid Hormone, Gonadal Development, Developmental Endocrinology

McNabb, Roxanne

Navajo Generating Station and the Best Available Retrofit Technology: An Economic Impact on the Navajo Nation

Poster

Session II, 11:30am-1:30pm, Location: FCB EASEL

Keywords: Arizona Water Issues

McTyre, Ellie

Hannah Christensen

Action Research and Engaged Learning: AGWA

Poster

Session I, 9:00am-11:00am, Location: Display board 92A

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Meinel, Eileen

Nolan Bade, Dean Buttacavoli, Ian Hanf, Lindsey Nicks

Landscape Connectivity: Maintaining Corridors for Wild Animal Movement in Urban Areas

Poster

Session III, 2:00pm-4:00pm, Location: Display board 25D

Keywords: Landscape connectivity, wildlife corridors, ecological conservation

Meinel, Eileen

Microorganisms in Vermicompost Tea

Oral Presentation

Morning, 11:30am-11:40am, Location: duBois Meadows *Keywords*: Vermicompost Tea, Microorganisms, Horticulture

Merrell, Bryn

Sean Canterbury, Hannah Stitizer, Kiersten Wilber

A Strategic Plan to Eliminate Plastic Bag Use in Flagstaff

Poster

Session I, 9:00am-11:00am, Location: Display board 33D

Keywords: plastic bags, elimination, Flagstaff

Merrell, Bryn

Sea Turtle Migration Study in Uruguay

Oral Presentation

Afternoon, 1:35pm-1:45pm, Location: duBois Meadows

Keywords: sea turtles, Uruguay, migration

Merz, Brandon

Karen Haubensak

Examination of Scotch Broom Effects on Soil Chemistry in Washington State, USA

Poster

Session I, 9:00am-11:00am, Location: Display board 28C

Keywords: Scotch-broom, soil chemistry

Meyer, Sam

Rhetoric of Food and Travel Writing

Exhibit

Morning, 9:00am-11:00am, Location: CAL Tables

All presentations and posters occur in the Walkup Skydome unless indicated as "duBois"

Keywords:

Meyer, Samuel

Rhetoric of Food and Travel

Oral Presentation

Afternoon, 4:00pm-4:10pm, Location: Stage D

Keywords:

Miao, Shiqi

Water Energy in Nevada and New Mexico

Poster

Session II, 11:30am-1:30pm, Location: Display board 89D

Keywords: water, economy,

Miller, Luke

Retro-analysis Supporting a Distinction between Upper and Lower mu-suppression Band-ranges as Indicators of Mirror Neuron Activation

Poster

Session III, 2:00pm-4:00pm, Location: Display board 71B *Keywords*: E.E.G., Mirror Neurons, mu-suppression

Milligan, Anica

Blast From the Past

Poster

Session III, 2:00pm-4:00pm, Location: Display board 45B

Keywords: Cambodia, Land-mines, Children

Milton, Jacob

Development of Expression and Purification Protocols for Signaling Proteins Involved in Angiogenesis

Poster

Session I, 9:00am-11:00am, Location: Display board 19A

Keywords: Angiogenesis, Cancer, Signaling

Mitchell, Taylor

Sarah Janwari, Amber Saunders, Yaiza Van Horn

Sexual Harassment Victims or Agressors: Who is Less Masculine?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 68C

Keywords: Sexual Harassment, Masculinity

Mix, Ashley

Cassie Marshall, Courtney Denevi

Alcohol Consumption among College Students: A Look into Age and Drinking Expectancies to Predict Drinking Behaviors

Poster

Session III, 2:00pm-4:00pm, Location: Display board 67D

Keywords: College, Alcohol, Expectancies

Monahan, Ryan

The James Bond Theme Song

Oral Presentation

Afternoon, 3:00pm, Location: Stage B

Keywords: James Bond, Music

Montgomery, Ashleigh

Ma-Li Metcalf

Risky Business

Poster

Session III, 2:00pm-4:00pm, Location: Display board 65C

Keywords: Family, College, Risk

Montoya, Marilu

Courtney Notah, Trevor Terpening, Scott Graupensperger

Post Decision Dissonance in Desirability

Poster

Session III, 2:00pm-4:00pm, Location: Display board 67B

Keywords: Cognitive Dissonance

Moody, Brian

Erin O'Keefe, Mara Pfeffer

Action Research and Engaged Learning: Public Achievement

Poster

Session I, 9:00am-11:00am, Location: Display board 93C

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Moore, Rush

Native American Painting During the 20th Century: A Study of an Imposed Cultural Locus

Oral Presentation

Morning, 8:45am-9:00am, Location: Stage A

Keywords: Cultural Aesthetic Locus, Native American, Art

Mora, Carolina

Christina Davis, Robert Zizo, Jordan Putt

Primal Attraction

Poster

Session III, 2:00pm-4:00pm, Location: Display board 64C

Keywords: Priming, attraction, effects

Morales, Jordan

Somos Humanos

Video

Morning, 10:00am, Location: Stage B

Keywords: immigration, Mexico, understanding

Moreland, Jessica

Melissa Pimentel, Stephanie Sherban, Katelyn Hamel

Gender Role Socialization/Partner Preference

Poster

Session III, 2:00pm-4:00pm, Location: Display board 63A

Keywords: Gender role

Morgan, Malie

Chad Woodruff, Luke Miller

Brain Electrophysiological Correlates of Facial Affect Recognition

Poster

Session III, 2:00pm-4:00pm, Location: Display board 72C

Keywords: Mirror neurons, Electroencephalography (EEG), Self-other discrimination

Morin, Andrew

Richard Barnes, Kenny Elgin, Scott Lederhos, Kyle Wiedeman

Transformer Condition Assessment

Session III, 2:00pm-4:00pm, Location: Display board 36D

Keywords: Transformer Condition APS

Morin, Andrew

Richard Barnes, Kenny Elgin, Scott Lederhos, Kyle Wiedeman

Transformer Condition Assessment

Oral Presentation

Morning, 9:50am-10:15am, Location: duBois Agassiz

Keywords: Transformer Condition APS

Morris, Bobbie

How Have Supreme Court Cases Affected Sovereignty among Native Nations?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 50B Keywords: Sovereignty, Indigenous, Federal Government

Morris, Jackson

Slam Poetry

Oral Presentation

Afternoon, 2:00pm, Location: Stage B Keywords: Slam Poetry Performance

Moxley, Emily

The World's Largest Navajo Weaving

Video

Morning, 9:45am-10:00am, Location: Stage A

Keywords:

Mover, Heidi

Andrew Schwiekert, Nick Magnusson, Dr. Tinna Traustadottir

The Effect of High versus Low Velocity Training on Muscular Power and Balance in College Aged Women Poster

Session I, 9:00am-11:00am, Location: HONORS EASEL

Keywords: Muscle Power, Balance

Moynihan, Katie

Mainpat, India: Dental Hygiene Story 2012

Poster

Session I, 9:00am-11:00am, Location: Display board 79B

Keywords: Dental, India, Tibetans

Mulhern, Shayla

Stephen Shuster, Rebecca Beresic-Perrins, Kelsey Banister, Echo Sun

Reciprocal Transfer Demonstrates Effect of Wastewater Effluent on Reproductive Behaviors in the Leech, Helodbella stagnalis

Poster

Session I, 9:00am-11:00am, Location: Display board 18A

Keywords: leeches, wastewater effluent, reproduction

Murray, James

Zachary Daley, Molly Groyer, Sarah Hamilton, Helena Van Winkle

Arizona State Climate Change License Plate

Poster

Session I, 9:00am-11:00am, Location: Display board 25B

Keywords: License plate, climate change, Arizona

Murray, James

Summer Internship With Arizona Game and Fish

Oral Presentation

Afternoon, 1:45pm-1:55pm, Location: duBois Meadows *Keywords*: data collection, Arizona Game and Fish, internship

Nagel, Brian

Reaching the Sound Barrier: Civilian Population Encroachment on Military Air Bases

Poster

Session III, 2:00pm-4:00pm, Location: Display board 58D

Keywords: Air Force, Encroachment, Military

Nash, Levi

Extracting the West: Mining and its impact on sustainable community development

Poster

Session III, 2:00pm-4:00pm, Location: Display board 55C

Keywords: Mining Sustainable Development

Natseway, Jacob

Laken Cooper

A Case of Indigenous Specialist Herbivore (Gnophaela vermiculata) as a Potential Biological Control Agent for an Invasive Weed (Cynoglossum officinale)

Poster

Session I, 9:00am-11:00am, Location: Display board 16A *Keywords*: Gnophaela vermiculata, biocontrol, houndstongue

Naumann, Amber

Phylogeography of Bacillus anthracis isolates from the country of Georgia

Poster

Session III, 2:00pm-4:00pm, Location: Display board 7B

Keywords: Bacillus anthracis, anthrax, SNPs

Nelessen, Adam

Power Prediction Modeling for Wave Energy Devices

Poster

Session I, 9:00am-11:00am, Location: Display board 97D

Keywords: Wave Renewable Energy

Nelessen, Adam

Brandon Perez, Aaron Lostutter, Jacob Vincent, Zev Vallance

The Wright Stuff Aircraft Design

Poster

Session I, 9:00am-11:00am, Location: Display board 39D

Keywords: Airplane Design Competition

Nelessen, Adam

Brandon Perez, Aaron Lostutter, Jacob Vincent, and Zev Vallance

The Wright Stuff Aircraft Design

Oral Presentation

Afternoon, 2:20pm-2:45pm, Location: duBois Fremont

Keywords: Airplane Design Competition

Nesmith, Jalen

Ka 'Aina i ka Pono: the Loss and Pursuit of Hawaiian Sovereigty

Oral Presentation

Morning, 11:00am, Location: Stage B *Keywords*: Hawaii, History, Sovereignty

Nez, Kendra

Kendra and Ernestine

The Effect of Using a Foam Roller on Muscle Tightness and Flexibility: A Pilot Study

Poster

Session I, 9:00am-11:00am, Location: Display board 79A

Keywords: foam-roller, stretching, muscle tightness

Nichols, Elizabeth

Everything is Permitted

Performance

Morning, 9:00am, Location: Stage B *Keywords:* religion, morality, fiction

Nicks, Lindsey

Kind Vines Sustainability Report

Oral Presentation

Morning, 10:40am-10:50am, Location: duBois Meadows

Keywords: buisness, sustainability, wine

Nimer, Adrianna

The Demographics, Distribution, and Public Perception of Free-Roaming Dogs on Saipan

Poster

Session I, 9:00am-11:00am, Location: Display board 13C

Keywords: Free-roaming, Dog, Saipan

Niu, Jin

Jiaqi Xie, Francisco Heath, Ningbiao Jiang, Nizar Almansouri

Alternative Power Source for Dental Hygiene Device

Poster

Session III, 2:00pm-4:00pm, Location: Display board 39C

Keywords: Battery Gearbox

Niu. Jin

Jiaqi Xie, Francisco Heath, Ningbiao Jiang, Nizar Almansouri

Alternative Power Source for Dental Hygiene Device

Oral Presentation

Morning, 8:55am-9:20am, Location: duBois Agassiz

Keywords: Battery Gearbox

Nolan, Eric

Putting Flagstaff Sustainability Plans in Context

Oral Presentation

Morning, 10:10am-10:20am, Location: duBois Meadows

Keywords: Sustainability Flagstaff 2013

Noriega, Joy

Butter vs. Margarine

Oral Presentation

Morning, 9:00am, Location: Stage D *Keywords:* Butter, Margarine, health

Obermeyer, Dion

Darrell Kaufman

Hydroclimatic Variability Inferred from Subannual Sediment Pulses in Lake Linnévatnet, Svalbard

Oral Presentation

Morning, 8:50am-9:00am, Location: duBois Meadows

Keywords: Arctic, sedimentation, varves

O'Boyle, Corey

Developing a Clearinghouse for Water Transfers

Poster

Session II, 11:30am-1:30pm, Location: Display board 88B

Keywords: water, transfer, clearinghouse

Okwuokei, Uche

LA County Public Health

Oral Presentation

Afternoon, 1:55pm-2:05pm, Location: duBois Meadows

Keywords: Environmental Health, Public Health, Drinking Water

Olivas, Araceli

Meghan Warren, Steve Palmer

PE Effects on Physical Activity

Poster

Session I, 9:00am-11:00am, Location: Display board 83C

Keywords: PE research,

Olivas, Sonora

Prevalence of Coxiella burnetii ST20 and ST8 in Global, Commercial, and Rural Environments

Poster

Session III, 2:00pm-4:00pm, Location: Display board 11D

Keywords: Coxiella burnetii, milk

Olsen, Xena

The Representation of African Americans in Film Noir: Whitewashing the Screen

Oral Presentation

Morning, 10:00am-10:15am, Location: Stage A

Keywords: African Americans, Film Noir, The Great Migration

Olson, Samuel

Colin Gray, Alex Mazzeo, Nicole Williams

Online Scholarship Application

Poster

Session I, 9:00am-11:00am, Location: Display board 35D

Keywords: CEFNS, Scholarship, Application

Olson, Samuel

Colin Gray, Alex Mazzeo, and Nicole Williams

Online Scholarship Application

Oral Presentation

Afternoon, 1:30pm-1:55pm, Location: duBois Room A

Keywords: CEFNS, Scholarship, Application

Onofry, Mackenzie

Michelle Roesch, Kristen Johnson, Emily Wiseman

Arousal and Memory

Poster

Session III, 2:00pm-4:00pm, Location: Display board 65B

Keywords: arousal, memory, music

Ordean, Kevin

Action Research and Engaged Learning: Sustainable Entrepreneurship and Cooperative Economics

Poster

Session II, 11:30am-1:30pm, Location: Display board 94C

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Orduno, Jose

Techniques of Ceramic Production in Song Dynasty China

Poster

Session I, 9:00am-11:00am, Location: Display board 95A

Keywords: Song Pottery Kiln

Ortiz, Alexandra

Brianna Layser, Luis Diaz

Health Habits and Their Relation to Short-term Memory Performance

Poster

Session III, 2:00pm-4:00pm, Location: Display board 61C

Keywords: Short-term memory, health

Ovama, Kimberly

Chihiro Sasaki, Daren Rodhouse, Blayne Kennedy

Localization Functionality for MCM, a Mobile Commerce Application

Poster

Session III, 2:00pm-4:00pm, Location: Display board 34B *Keywords*: Mobile Application, Commerce, Localization

Ovama, Kimberly

Chihiro Sasaki, Daren Rodhouse, Blayne Kennedy

Localization Functionality for MCM, a Mobile Commerce Application

Oral Presentation

Morning, 9:20am-9:50am, Location: duBois Room A *Keywords:* Mobile Application, Commerce, Localization

Paddock, Ethan

Jacob Milton, Rachelle Eddie, Matthew J. Gage, Ph.D

Purification of Receptor Proteins in the Nitric Oxide Signaling Pathway

Poster

Session I, 9:00am-11:00am, Location: Display board 21A

Keywords: TSP-1, Nitric Oxide, Angiogenesis

Padilla, Cassie

Cassie Marshall, Kristina Guglielmi

"Everyone Else Is Doing It": An Examination of the Motives Behind Binge Drinking Behavior Among Greek-Letter and Non-Greek-Letter Students

Poster

Session III, 2:00pm-4:00pm, Location: Display board 69B

Keywords: binge-drinking, greek-letter, motives

Padilla, Kelsey

Chace Gear, Garland Clark, Laura Warden, Robert Till

Effects of Mindful Breathing on Mind-Wandering and Reading Comprehension

Poster

Session III, 2:00pm-4:00pm, Location: Display board 70B

Keywords: mind-wandering, mindful breathing, reading comprehension, attention

Pak, Alexa

The Control of Birth Control

Poster

Session III, 2:00pm-4:00pm, Location: Display board 73C

Keywords: Obamacare, women, birth control

Pak, Alexa

The feminist discourse of Self-defense

Poster

Session III, 2:00pm-4:00pm, Location: Display board 76B

Keywords: Feminism, self-defense, feminist theories

Paladini, Joseph

Navajo Generating Station's Importance to Our Water

Poster

Session II, 11:30am-1:30pm, Location: Display board 84B

Keywords: Water, NGS,

Palmer, Ryan

Miles Roux, Dolores Gallardo

Christmas Ornament Display Structure

Poster

Session III, 2:00pm-4:00pm, Location: CEFNS EASEL

Keywords: Christmas Ornament Structure

Palmer, Ryan

Miles Roux and Dolores Gallardo

Christmas Ornament Display Structure

Oral Presentation

Morning, 11:05am-11:30am, Location: duBois Fremont

Keywords: Christmas Ornament Structure

Parafiniuk, Adrah

Action Research and Engaged Learning: SSLUG

Poster

Session I, 9:00am-11:00am, Location: Display board 94B

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Parkhurst, David

Differences in Affective Decision-Making Between Types of Drinkers as Assessed by Different Formats of the Iowa Gambling Task

Poster

Session III, 2:00pm-4:00pm, Location: Display board 71C *Keywords:* Iowa Gambling Task, Decision making, Alcohol

Parkhurst, Diamond

Danielle Perry, Emily Wilson, Claire Lower

Traumatic Events as Predictors of Substance Abuse in Adolescents

Poster

Session III, 2:00pm-4:00pm, Location: Display board 60A

Keywords: TRAUMA ADOLESCENTS SUBSTANCE-ABUSE

Parrott, Joe

Brittany Smith; Christian Valadez; Kara Roof; Mary Rhoades

Ground-dwelling Arthropod Community Structure across Nine Vegetation Types in the Canyonlands Region

Poster

Session III, 2:00pm-4:00pm, Location: Display board 25A

Keywords: Arthropods, Biodiversity, Habitat

Patch, Dreux

DL Patch, AL Krohn, G Allan, CA Gehring

Soil Microbial Community Response to the Introduction of Pinyon Pine (Pinus edulis) Seedlings

Poster

Session I, 9:00am-11:00am, Location: Display board 14A

Keywords: pinyon pine, mycorrhizal fungi, amplicon sequencing

Patino, Jessica

Rhetoric of Food and Travel Writing

Exhibit

Lunch, 11:30am-1:30pm, Location: CAL Tables

Keywords:

Perez, Edgar

Causes of the Obesity Crisis: Education & The Fast Food Industry

Poster

Session III, 2:00pm-4:00pm, Location: Display board 99A

Keywords: Obesity, America, Fast food

Perez, Martha

Kiara Weathersby, Brette Martin

Overall Health and Wellbeing

Poster

Session III, 2:00pm-4:00pm, Location: Display board 66C

Keywords: self perception and physical health

Peterson, Alexandria

Rhetoric of Food and Travel Writing

Exhibit

Lunch, 11:30am-1:30pm, Location: CAL Tables

Keywords:

Peterson, Ricardo

Communications System with Error Correcting Codes

Poster

Session III, 2:00pm-4:00pm, Location: Display board 27B *Keywords:* LDPC, Error Correcting Codes, Research

Petra, Jacobsen

School Lunches in the United States: History, Politics, and Change

Poste

Session III, 2:00pm-4:00pm, Location: Display board 100D

Keywords: School Lunches

Phillips, Brandon

Davis Zanot, Mike Austin

ArchSim: Real-Time Model-based Architectural Simulation

Poster

Session III, 2:00pm-4:00pm, Location: Display board 34D

Keywords: Software, Architecture, Education

Phillips, Brandon

Davis Zanot, Mike Austin

ArchSim: Real-Time Model-based Architectural Simulation

Oral Presentation

Morning, 8:55am-9:20am, Location: duBois Room A

Keywords: Software, Architecture, Education

Pichnarcik, Jenna

Psychological Reflections: An Ordered Reality in Painting.

Oral Presentation

Morning, 8:30am-8:45am, Location: Stage A *Keywords:* Psychology, Painting, Reality

Piepiora, Kaitlynne

A Magical World of Inspiration

Oral Presentation

Afternoon, 2:00pm, Location: Stage D *Keywords:* Disneyland; success; inspiration

Piepiora, Kaitlynne

Just do it!

Oral Presentation

Morning, 9:00am, Location: Stage B

Keywords: Hockey; creative writing; confidence

Porter, Katelyn

Nina Porter

Characterization of Students' Quantitative Reasoning Skills in Chemistry

Poster

Session I, 9:00am-11:00am, Location: Display board 22A

Keywords: Chemistry, Education, Quantitative

Porter, Nina

Abby Davidson

Action Research and Engaged Learning: Queer and Ally

Poster

Session II, 11:30am-1:30pm, Location: Display board 93D

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Poseyesva, Rachel

Hopi Life and Culture

Poster

Session III, 2:00pm-4:00pm, Location: Display board 48B

Keywords: Hopi Culture Religion

Prawzinsky, Hannah

Food Taboos in the United States

Poster

Session III, 2:00pm-4:00pm, Location: Display board 100C

Keywords: Food Taboos Aversions

Qian, Junfeng

Qi Wang, Shiyu Wang

Prestressed Concrete Institute Big Beam Design Student Competition Team 2

Oral Presentation

Afternoon, 2:50pm-3:15pm, Location: duBois Southwest Room

Keywords: PCI, Concrete beam, Design Competition

Quinn, Courtney

NAU Campus Community Collaboration in Mainpat India

Poster

Session I, 9:00am-11:00am, Location: Display board 82D

Keywords: India, Dental, refugee camp

Quintana, Carolina

Chronic Traumatic Encephalopathy: Implications in Sports

Poster

Session I, 9:00am-11:00am, Location: Display board 78D

Keywords: Head trauma, concussion

Quiver, Melanie

Melanie H. Quiver, Kevin P. Drees, Paul S. Keim, Ruby Hammond, Jeffrey T. Foster

Avian Malaria Prevalence in Hawaiian Birds

Poster

Session III, 2:00pm-4:00pm, Location: Display board 12B

Keywords: Avian Malaria, Hawaiian Birds, Plasmodium relictum

Raber, Sarah

Evidence of Selective Breeding and Habitat Use in Lambis lambis

Poster

Session I, 9:00am-11:00am, Location: Display board 6C

Keywords: Breeding, Lambis lambis, Habitat

Rains, Allison

Regulating Sexuality: How American Law Serves to maintain Heteronormative Sexualities

Poster

Session III, 2:00pm-4:00pm, Location: Display board 75B

Keywords: Sexuality, Law, Morality

Ramirez, Brittany

Femininity

Poster

Session III, 2:00pm-4:00pm, Location: Display board 73D

Keywords: femininity, culture, race

Ray, Ryan

Development of a More Efficient Synthesis Method for Myriaporone 4

Poster

Session I, 9:00am-11:00am, Location: Display board 21C

Keywords: Synthesis, heterocycle, Organic

Rees, Patricia

Bo Stevens

Erwinia tracheiphila as a Biological Control of Canada Thistle (Cirsium arvense)

Oral Presentation

Afternoon, 2:05pm-2:15pm, Location: duBois Meadows *Keywords*: Canada thistle, Erwinia tracheiphila, bio-control

Rensel, Mitch

Los Angeles Department of Water and Power's Problem and Solutions

Poster

Session II, 11:30am-1:30pm, Location: Display board 91B

Keywords: Water, Los Angeles, Solutions

Ressell, Joel

Adam Raterink, Garrison Pope, Kyle Crockett, Sam Bloomfield

Insulin Dosimeter for Pets Using Apple® Products

Poster

Session III, 2:00pm-4:00pm, Location: Display board 37A

Keywords: diabetes, ipad, dosemetry

Ressell, Joel

Adam Raterink, Garrison Pope, Kyle Crockett, Sam Bloomfield

Insulin Dosimeter for Pets Using Apple® Products

Oral Presentation

Morning, 10:40am-11:05am, Location: duBois Agassiz

Keywords: diabetes, ipad, dosemetry

Reynolds, Robert

Maria Espinola-Romero

BeagleBoard Capstone Redesign

Poster

Session I, 9:00am-11:00am, Location: Display board 37B

Keywords: Electrical Engineering Capstone

Reynolds, Robert

Maria Espinola-Romero

BeagleBoard Capstone Redesign

Oral Presentation

Afternoon, 3:15pm-3:40pm, Location: duBois Room A

Keywords: Electrical Engineering Capstone

Rice, Johnathan

2700 Years of History in Coastal Sagescrub, Southern California

Oral Presentation

Afternoon, 2:15pm-2:25pm, Location: duBois Meadows *Keywords*: fire regime, ecosystem reconstruction, management

Rice, Johnathan

Carly Farr

Using GIS Data to Examine the Health of the Coconino Forest Over a Ten Year Period

Poster

Session I, 9:00am-11:00am, Location: Display board 26A

Keywords: Forest, Management, restoration

Rice, Rebecca

Giovanna Fotino, Katherine Kurpierz

Helping Granny Cross the Street: How Stereotypes of Seniors Keep Them in Poverty

Poster

Session III, 2:00pm-4:00pm, Location: Display board 73A

Keywords: Elderly, Poverty, Communication

Richardson, Joshua

Problems in Public Education: Why High Schoolers Drop Out

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL *Keywords:* Dropouts, Native Americans, Students

Richter, Bethany

Stormie

Action Research and Engaged Learning: Immigration ART

Poster

Session III, 2:00pm-4:00pm, Location: Display board 93B

Keywords: Civic Engagement, Social and Environmental Justice, Engaged Learning, Community

Rightheart, Roland

Heidi Hornstra-O'Neill, Jamie Beckstrom, Jason Sahl, Stephen Beckstrom, Paul Keim, Talima Pearson

Genomic Reconstruction of Extinct Common Ancestors

Poster

Session I, 9:00am-11:00am, Location: Display board 5A

Keywords: genetics, genomics, evolution, pathogens, coxiella burnetii, biology

Rigoni, Alexis

Bond Villains "Black Claws, Orange Sunburns, and White Cats: A Catalogue of Villainous Props"

Oral Presentation

Afternoon, 3:00pm, Location: Stage B

Keywords: James Bond Villains

Rigoni, Alexis

Tormentor

Performance

Afternoon, 2:00pm, Location: Stage B

Keywords: Fiction Short Story

Roberts, Daniel

Mentor Graphics Automation

Poster

Session I, 9:00am-11:00am, Location: Display board 27A

Keywords: Tcl, Mentor Graphics, EZWAVE

Roberts, Sydney

Toni Cisneros

The Correlation Between Self-Perception and Social Interaction

Poster

Session III, 2:00pm-4:00pm, Location: Display board 66D

Keywords: self-perception attractiveness sociability

Robinson, Amanda

Tim Hunt and the Key Regulators of the Cell Cycle

Poster

Session I, 9:00am-11:00am, Location: Display board 4D

Keywords: biology, meiosis, mitosis

Robinson, Kyle

Access to GIS Resources in Arizona's Higher Education Institutions

Poster

Session III, 2:00pm-4:00pm, Location: Display board 54C

Keywords: GIS, Arizona, Education

Rodriguez, Ricinda

Contact Precautions and Adverse Patient Effects

Poster

Session I, 9:00am-11:00am, Location: Display board 81A *Keywords:* Nursing, Patient satisfaction, Contact Precautions

Rodriguez, Veronica

Pornography and Sex Life

Poster

Session III, 2:00pm-4:00pm, Location: Display board 76A

Keywords: Pornography Sex Sexuality

Rolik, Scott

Rainfall vs Economic Growth

Poster

Session II, 11:30am-1:30pm, Location: Display board 90D

Keywords: Water, Economics, Rainfall

Rolph, Hasley

The Effects of Wild Pollination on Food Security

Poster

Session III, 2:00pm-4:00pm, Location: Display board 56A

Keywords: Pollination, food security, geography

Roof, Karah

Dr. Nashelly Meneses

Predation of the Small Giant Clam (Tridacna maxima) in Saipan

Poster

Session III, 2:00pm-4:00pm, Location: Display board 10B *Keywords*: Giant Clams, Overharvesting, Polymorphism

Roome, Stacy

Rhetoric of Food and Travel Writing

Exhibit

Lunch, 11:30am-1:30pm, Location: CAL Tables

Keywords:

Rubel, John

EGR 186 Section 14 class

TWICE (group 1)

Poster

Session III, 2:00pm-4:00pm, Location: Display board 43C

Keywords: Re-use

Runia, Roslynn

The Feasibility of Increasing Flows from Grant Lake Dam

Poster

Session II, 11:30am-1:30pm, Location: Display board 85C

Keywords: Grant Lake, water, economics

Ryan, Amanda

Nick Rogel, Jalisa Martin

To Inflate Or Not To Inflate?

Poster

Session I, 9:00am-11:00am, Location: Display board 83B

Keywords: catheter, balloon, inflate

Saltzman, Marissa

Spencer Ropte

Relationships of Genomic Composition and Virulence within B. pseudomallei in Soil from North-East Thailand.

Poster

Session III, 2:00pm-4:00pm, Location: Display board 12D

Keywords: Melioidosis, Burkholderia, Genomics

Sanchez, Briana

Lance Lopriore, Chantal Kescoli, Erinn DeMarco

The Food and Mood Connection

Poster

Session III, 2:00pm-4:00pm, Location: Display board 62C

Keywords: Healthy, Unhealthy, Depression

Sanchez, Daniel

Assessment of Phylogenetic Resolution in a Diverse Panel of Pasteurella multocida Isolates using Variable Number Tandem Repeat (VNTR) Analysis

Poster

Session I, 9:00am-11:00am, Location: Display board 7A *Keywords:* Avian cholera, VNTR, Pasteurella multocida

Sands, Will

Josiah T. Huggins, Casey Ellito, Kimmi Philips

The Effects of Sleep and Depression

Poster

Session III, 2:00pm-4:00pm, Location: Display board 69A

Keywords: Sleep, Depression, Quality

Saucedo, Johanna

Bond Girl or Bond Animal?

Oral Presentation

Afternoon, 3:00pm, Location: Stage B *Keywords*: James Bond, Ian Fleming, women

Scandura, David

Raoul Silva: Reinventing Evil in 'Skyfall'

Oral Presentation

Afternoon, 3:00pm, Location: Stage B *Keywords:* James Bond, villains, Skyfall, 007

Schellinger, Robert

Impacts of Ski Tourism on Smaller Communities in the American West

Poster

Session III, 2:00pm-4:00pm, Location: Display board 55B

Keywords: Ski Tourism America

Schmiester, Amanda

Communication Strategies and Stress Management Techniques for Unpaid Caregivers of Individuals with Dementia or Alzheimer's Disease

Oral Presentation

Morning, 9:00am, Location: Stage D *Keywords*: Caregivers, Stress, Dementia

Schroeder, Hannah

Life Through My Lens

Poster

Afternoon, 4:00pm-5:00om, Location: Honors Table

Keywords: Photography, Art, Pictures

Scott, Jeremy

Nose Bleed

Video

Afternoon, 4:00pm-4:30pm, Location: Stage A *Keywords*: Film, drug war, humanitarian crisis

Scott, Justin

Desalinization

Poster

Session II, 11:30am-1:30pm, Location: Display board 89A

Keywords: Ocean Water Desalinization

Scott, Meaghan

Xu Beihong: the Traditional Roots of the Father of Modern Chinese Painting

Poster

Session I, 9:00am-11:00am, Location: Display board 95B

Keywords: modern Chinese painting, Xu Beihong

Scranton, Rebecca

Caitlin Magoffin, Maria DiCosola, Jillian Curtis, April McCue, Mikaela Ray

Mainpat Interdisciplinary Project

Oral Presentation

Afternoon, 12:15pm-12:45pm, Location: Stage A *Keywords*: India, Tibetans, interdisciplinary

Scranton, Rebecca

Erelda Gene

Understanding Hopi Perspectives on Tobacco Use and Cancer in Both the Urban and Reservation Populations through Conducting Focus Group Sessions

Poster

Session I, 9:00am-11:00am, Location: Display board 80B

Keywords: Hopi Cancer Tobacco

Senini, Natalie

The Effect of Sewage Effluence on Coral Reefs

Poster

Session I, 9:00am-11:00am, Location: Display board 6A

Keywords: Sewage, Coral, Diversity

Shainin, William

Behavioral Economics and Water Markets

Poster

Session II, 11:30am-1:30pm, Location: Display board 91C

Keywords: Water, Behavior, Economics

Shan, Junyi

Dr. Chun-Hsing Jun Ho, Darius Ishaku

The Pervious Concrete Research

Poster

Session I, 9:00am-11:00am, Location: Display board 23A

Keywords: Pavement, Civil Engineering, Concrete

Shaw, Kenneth

David Koenig, David Marcus, Abdulaziz Abdulfatah

NAU Fitness Mobile Application

Poster

Session III, 2:00pm-4:00pm, Location: Display board 34C

Keywords: Mobile Fitness Android

Shaw, Kenneth

David Koenig, David Marcus, Abdulaziz Abdulfatah

NAU Fitness Mobile Application

Oral Presentation

Morning, 9:50am-10:15am, Location: duBois Room A

Keywords: Mobile Fitness Android

Sheble, Margaret

Erin Carter, Kiran Haynes

Reflections of Flagstaff: An Interactive Photography Exhibit

Poster

Session I, 9:00am-11:00am, Location: Display board 95C

Keywords: internship, flagstaff, museum exhibit

Sheble, Margaret

The Once and Future Mordred: The Great Betrayer in Art

Oral Presentation

Morning, 9:00am-9:15am, Location: Stage A *Keywords*: Medieval, King Arthur, thesis

Shipley, Alysha

Kelly Benderman

Advantages and Limitations of the Indian Child Welfare Act

Poster

Session III, 2:00pm-4:00pm, Location: Display board 44C

Keywords: ICWA, Law, Child Welfare

Shippy, Kenzie

Kenzie Shippy, Carina Hall, Jason Sahl, Mark Mayo, Rebecca Colman, Jim Schupp, Bart Currie, Paul Keim, Talima Pearson, Apichai Tuanyok, Joseph Busch, David M. Wagner

Finding Unique Genomic Elements in the Bacterial Pathogen Burkholderia pseudomallei through Whole Genome Comparisons with Closely Related Species

Poster

Session I, 9:00am-11:00am, Location: Display board 16C

Keywords: Bioterrorism, pathogen, genetics

Shorty, Rochelle

Resolutions to Contemporary Navajo Policing

Poster

Session III, 2:00pm-4:00pm, Location: Display board 48C

Keywords: Navajo Nation, Law Enforcement, Policing Problems

Siclovan, Dina

Keaton Henriksen, Austin Bell, Helena Herrera, Rob Atkins

Modernity and Environment: A study of Air Pollution in China from 2000 to Present Day

Poster

Session III, 2:00pm-4:00pm, Location: Display board 57B

Keywords: China, Air pollution, Modernity

Silberschlag, Amanda

Study of Low-Level Lasers

Poster

Session I, 9:00am-11:00am, Location: Display board 78B

Keywords: Physiological Effects, Application Technique, Adjunctive Therapy

Sindelar, Audra

Camila Scott, Miles Sorensen

How Video Recorded Emotional Expressions Affect Sexual Attraction

Poster

Session III, 2:00pm-4:00pm, Location: Display board 64A *Keywords*: emotional expression, sexual attraction, gender

Skilsky, Violet

Toolset of Reconciliation: The Economies of Modern Native American Reservations

Oral Presentation

Morning, 11:00am, Location: Stage B *Keywords:* Native American Reservations

Slosky, Daniel

Discovering Interior to Earth Objects

Poster

Session III, 2:00pm-4:00pm, Location: Display board 2B *Keywords:* "asteroid" "Interior to Earth Object" "Astronomy"

Smarzinski, Andrew

Agricultural Water Management

Poster

Session II, 11:30am-1:30pm, Location: Display board 85A

Keywords: Water, Economics, Transfers

Smith, Brett

How do YOU define Sustainability?

Oral Presentation

Morning, 9:10am-9:20am, Location: duBois Meadows *Keywords:* Sustainability, development, communication

Smith, Matthew

Considerations for Functional Goals Following Total Knee Replacement Surgery

Poster

Session I, 9:00am-11:00am, Location: Display board 83D

Keywords: Physical Therapy, Knee

Snelling, Sarah

Flagstaff's Mexican Community in the Early 20th Century

Oral Presentation

Morning, 10:30am-10:45am, Location: Stage A *Keywords:* Flagstaff, migrant laborers, Mexican

Sobek, Colin

Kevin Drees, Paul Keim, Jeffrey Foster

Optimization of DNA Extraction from Sediment and Bat Fecal Samples for the Real-Time PCR Detection of Geomyces destructans

Poster

Session III, 2:00pm-4:00pm, Location: Display board 13B *Keywords:* G. destructans, Real-Time PCR, Soil Resevoirs

Solheim, Jonathan

Sophie Woodward, Austin Troth

Parenting Style and Sexuality

Poster

Session III, 2:00pm-4:00pm, Location: Display board 66A

Keywords: Parenting, Style, Sexuality,

Somsel, Heidi

Searching for High Inclination Kuiper Belt Objects Using Archival Data from Hubble Space Telescope

Poster

Session III, 2:00pm-4:00pm, Location: Display board 1D

Keywords: Astronomy, Kuiper Belt Objects, Trans-Neptunian Objects

Sopp, Tyler

Kate Porter, Nina Porter, Alexanndra Heyert

Visual Representation Methods In Chemistry Education

Poster

Session III, 2:00pm-4:00pm, Location: Display board 22B

Keywords: Visual, Chemistry, Education

Speer, Kimberly

Walmart Wedding

Exhibit

Afternoon, 2:00pm-4:00pm, Location: CAL Table

Keywords:

Statham, Sally

Jennifer Ginther, Josh Stone, Chris Allender, Paul Keim, Apichai Tuanyok

Genomic Comparisons of a Predicted Antifungal Compound in Burkholderia spp.

Poster

Session I, 9:00am-11:00am, Location: Display board 8C *Keywords*: Burkholderia, antifungal, genomic comparison

Stevens, Bo

Bo Stevens, Patricia Rees

Erwinia tracheiphila as a Biological Control of Canada Thistle (Cirsium arvense)

Poster

Session I, 9:00am-11:00am, Location: Display board 23D

Keywords: arvense tracheiphila wilt

Stevens, Bo

Measuring Habitat Loss in Southwestern Nicaragua

Oral Presentation

Afternoon, 2:25pm-2:35pm, Location: duBois Meadows

Keywords: Nicaragua tropical habitat

Stevens, Bo

Measuring Habitat Loss in Southwestern Nicaragua

Poster

Session I, 9:00am-11:00am, Location: Display board 1C

Keywords: Nicaragua tropical habitat

Stevens, Nigel

Rhetoric of Food and Travel

Oral Presentation

Afternoon, 4:20pm-4:30pm, Location: Stage D

Keywords:

Stevens, Nigel

Rhetoric of Food and Travel Writing

Exhibit

Morning, 9:00am-11:00am, Location: CAL Tables

Keywords:

Stevenson, Peter

The Non-Market Valuation of Water

Poster

Session II, 11:30am-1:30pm, Location: Display board 91D *Keywords:* Water, Non-market, Contingent Valuation

Stewart, Haley

Patterns From Nature

Exhibit

, 9:00am-5:00pm, Location: CAL EASEL

Keywords: Oil Paintings

Stirzl, Vicki

Adrian Fischer, Shannon Washburn, Dana Steward

Reationship between Happiness and Locus of Control

Poster

Session III, 2:00pm-4:00pm, Location: Display board 60B

Keywords: Happiness, LOC, Relationship

Stitzer, Hannah

Promoting Sustainability Through Recycled Crafts: Engaging Children in the Community

Oral Presentation

Afternoon, 2:35pm-2:45pm, Location: duBois Meadows

Keywords: Sustainability, crafts, children

Stone, Hannah

Mastering the Art of Painting

Exhibit

, 12:00pm-5:00pm, Location: CAL EASEL

Keywords: Painting Master Artwork

Stone, Nathan

Pia Olafson, Greta Buckmeier, Deanna Bodine, Jeanne Freeman, Glen Scoles, Joseph D. Busch, David M. Wagner Novel Mechanism of Acaricide Resistance Found in Invasive Rhipicephalus microplus Ticks in Southern Texas

Session III, 2:00pm-4:00pm, Location: Display board 6D

Keywords: Tick Acaricide Resistance

Stratton, Todd

Anti-Aging Effects of Aerobic Exercise

Oral Presentation

Morning, 9:00am, Location: Stage D *Keywords:* Aerobic Exercise Aging

Stratton, Todd

How to Start Exercising: Nutritional Differences between Non-athletes and Athletes

Poster

Session III, 2:00pm-4:00pm, Location: Display board 100A

All presentations and posters occur in the Walkup Skydome unless indicated as "duBois"

Keywords: nutrition exercise weight

Sun, Jingran

Rebecca K. Beresic-Perrins, Stephen M. Shuster

Cross-Fostering in a Leech Species, Helobdella stagnalis

Poster

Session III, 2:00pm-4:00pm, Location: Display board 5B *Keywords*: Helobdella stagnalis, parental care, cross-fostering,

Sutton, Tanya

Stephanie E. Wolff, Caren C. Helbing, Nik Veldhoen, Catherine R. Propper

Thyroid Hormone Induces Dose Dependent Up Regulation of Two Genes Demonstrated to be Sensitive to Endocrine Disruption during Amphibian Metamorphosis

Poster

Session III, 2:00pm-4:00pm, Location: Display board 3D

Keywords: thyroid hormone, endocrine disruption, development

Tabor, Kylie

Matthew Beyak, Chelsea Glantz, Ginger Haviland

What Predicts the "Freshman Fifteen"?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 60D

Keywords: Freshman Weight Gain

Taggart, Devon

Alicia Miller, Nicolas Walker, Daniel Iribe, Ethan Gunzel

The Evolution of U.S.-Pakistan Relations

Poster

Session III, 2:00pm-4:00pm, Location: Display board 57D

Keywords: U.S. Pakistan Democracy

Tallant, Tiana

Drew Felton, Lisa Desimone, Graham Black, Dr. Suzanne Daiss

Compassionate Weight Management Groups

Poster

Session III, 2:00pm-4:00pm, Location: Display board 59A

Keywords: weight loss, yoga, compassion

Tenorio, Jennifer

Indian Water Rights in the Western United States

Poster

Session II, 11:30am-1:30pm, Location: Display board 90C

Keywords: Indian Water Rights

Terrazas, Jasmine

Joseph Hill

Landscape Connectivity: Maintaining Corridors for Wild Animal Movement in Urban Areas, Flagstaff, Arizona

Poster

Session I, 9:00am-11:00am, Location: Display board 25C

Keywords: Wildlife, Corridor, Flagstaff

Terrazas, Jasmine

Understanding Communication Channels in Non-Profit Organizations, interning with Willow Bend, Environmental Education

Oral Presentation

Afternoon, 2:55pm-3:05pm, Location: duBois Meadows

Keywords: Values, Communication, Community

Tesso, Erica

Jeanette Peterson

Kwat'san Language and Cultural Revitalization

Poster

Session III, 2:00pm-4:00pm, Location: Display board 49A

Keywords: Revitalization, culture, language

Thompson, Chad

Tate Reed, Cassie Field

Personality Type and Sports Choice

Poster

Session III, 2:00pm-4:00pm, Location: Display board 69C

Keywords: Big 5, Sports, Personality

Thornton, Kyle

Advancing Energy Efficiency on a Federal Level, Interning for the U.S. Department of Energy

Oral Presentation

Afternoon, 2:45pm-2:55pm, Location: duBois Meadows

Keywords: U.S. Department of Energy, Federal Government, the Better Buildings Challenge

Thurston, Nicole

Teaching Ancient Languages in Schools

Oral Presentation

Afternoon, 1:00pm, Location: Stage B

Keywords: Teaching, language, interdisciplinary studies

Towne, Colin

Non-market Valuation Methods

Poster

Session II, 11:30am-1:30pm, Location: Display board 86D

Keywords: water, energy, southwest

Townsley, Alexander

Supermilage: Engine and Drivetrain

Poster

Session I, 9:00am-11:00am, Location: Display board 42D

Keywords: Supermileage, Eco-Marathon, Shell

Townsley, Alexander

Supermilage: Engine and Drivetrain

Oral Presentation

Afternoon, 3:15pm-3:40pm, Location: duBois Fremont

Keywords: Supermileage, Eco-Marathon, Shell

Tucker, Megan

Hannah Naumann, Barbara Kozlowski, Rachel Rohrer

The Effect of Communication Methods on Friendship Quality

Poster

Session III, 2:00pm-4:00pm, Location: Display board 67A *Keywords:* Friendship Quality and Communication Technology

Turner, Elyce

Cassie Rodriguez, Hunter Mudgett Self-Esteem and Social Networking

Poster

Session III, 2:00pm-4:00pm, Location: Display board 59B *Keywords:* self-esteem, social networking, correlation

Tyler, Ariana

How Taboo is Too Taboo?

Poster

Session III, 2:00pm-4:00pm, Location: Display board 97A

Keywords: food, taboo, animals

Udall, Jordan

Burnell Jones and Thaddeus Bahl

Flow Restoration of Verde River for Native Fish Downstream of the Diamond-S Irrigation Diversion

Oral Presentation

Morning, 10:40am-11:05am, Location: duBois Southwest Room

Keywords: Fishpass Verde restoration

Ulibarri, Zachary

Ahmed Habib, Jacob Lamb

Reduction of Harmonic Distortion in Off-Grid Power Systems

Poster

Session III, 2:00pm-4:00pm, Location: Display board 36B

Keywords: Off-grid, Power, Filter

Ulibarri, Zacharv

Ahmed Habib, Jacob Lamb

Reduction of Harmonic Distortion in Off-Grid Power Systems

Oral Presentation

Morning, 10:15am-10:40am, Location: duBois Agassiz

Keywords: Off-grid, Power, Filter

Ulmer, Mattew

Underwater Archeology

Poster

Session III, 2:00pm-4:00pm, Location: SBS EASEL

Keywords: Underwater, Archeology, Diving

Unruh, David

Lava Dome Viscosity and Associated Structures

Poster

Session I, 9:00am-11:00am, Location: Display board 29A *Keywords:* Volcanism, Structural Geology, Viscosity

Van Meter, Danielle

Carolyn Cunningham, Atalie Brumfield

The Use of .12% Chlorhexidine in the Prevention of Ventilator-Associated Pneumonia

Poster

Session I, 9:00am-11:00am, Location: Display board 81B

Keywords: Ventilator-associated pneumonia, chlorhexidine gluconate, toothbrushing

Van Winkle, Helena

Southeast Alaska: A Learning Experience

Oral Presentation

Afternoon, 3:05pm-3:15pm, Location: duBois Meadows *Keywords*: Alaska, Fieldwork Experience, Educational

Vargas, Brianda

Brianda Isabel Vargas, Riann Gabrielle Renee, Renica Ann Descheny, Caley Eileen Duplessis, Kellie Kristina Whittet Are You Satisfied? A Study Looking at Divorce and Relationship Fulfillment

Poster

Session III, 2:00pm-4:00pm, Location: Display board 72B

Keywords: Divorce, Satisfaction, Young Adults

Vavra, Grant

Walls

Oral Presentation

Morning, 9:00am, Location: Stage B *Keywords:* Creative Writing Fiction

Veglia, Anthony

Location, Location... Geographic Luck Determines the Success of a Culture

Poster

Session III, 2:00pm-4:00pm, Location: Display board 98B

Keywords: Food, Culture, Success

Venezia, Allison

Nick Jurik, Timothy Tormey, Joseph Cavaretta, John Hills, Peter Journell

Small-Scale Solar Irradiance Measuring Device

Poster

Session I, 9:00am-11:00am, Location: Display board 41B

Keywords: Irradiance SolarPower Energy

Venezia, Allison

Nick Jurik, Timothy Tormey, Joseph Cavaretta, John Hills, Peter Journell

Small-Scale Solar Irradiance Measuring Device

Oral Presentation

Afternoon, 2:50pm-3:15pm, Location: duBois Agassiz

Keywords: Irradiance SolarPower Energy

Vernon, Daniel

Soil Science in Northern Arizona

Oral Presentation

Afternoon, 3:25pm-3:35pm, Location: duBois Meadows

Keywords: Soil, Science, NRCS

Vernon, Daniel

The Challenges of Communicating Climate Change Issues to the Public

Poster

Session I, 9:00am-11:00am, Location: Display board 33C

Keywords: communicating, climate change, public

Villalobos, Matt

Bureau of Reclamation and Water in the West

Poster

Session II, 11:30am-1:30pm, Location: Display board 86C *Keywords:* Business, Economics, Energy, Water, Sustainability

Virgo, Richard

The Influence of Pitch Proximity on the Aesthetic Judgment of Unfamiliar Melodies

Oral Presentation

Morning, 11:15am-11:45am, Location: Stage A

Keywords: Music Cognition Perception

Wabli, Khalid

Kristen Milligan, Luke Contreras

Real Time Imaging of Biological Structures using Digital Holography and Tomography

Poster

Session III, 2:00pm-4:00pm, Location: Display board 32D

Keywords: Digital Holography Tomography

Wachs, Kurtis

Harper Alfred, Daniel Baronsky, Nicholas Rowe, McKenzie Schmidt

Radio Inter-Module Communication Testing

Poster

Session III, 2:00pm-4:00pm, Location: Display board 38B

Keywords: radio communication testing

Wachs, Kurtis

Harper Alfred, Daniel Baronsky, Nicholas Rowe, McKenzie Schmidt

Radio Inter-Module Communication Testing

Oral Presentation

Morning, 8:30am-8:55am, Location: duBois Room A

Keywords: radio communication testing

Wagner, Kent

Behind the Scenes at Digital Bolex

Video

Afternoon, 3:30pm-3:45pm, Location: Stage A

Keywords: Bolex cinema rawvideo

Walsh, Jessica

Creative Healing at Any Age: Designing an Arts Therapy Center for Older Adults

Poster

Session II, 11:30am-1:30pm, Location: Display board 96D

Keywords: Design, Healthcare, Elderly

Walters, Julya

Rhetoric of Food and Travel Writing

Exhibit

Lunch, 11:30am-1:30pm, Location: CAL Tables

Keywords:

Warden, Laura

Dr. Robert Till

Influence of Mind-Wandering and Reading Comprehension on Inference Making

Poster

Session III, 2:00pm-4:00pm, Location: Display board 70A *Keywords:* Inference, Mind-Wandering, Comprehension

Warfel, Patrick

Incinerated Revenge

Oral Presentation

Afternoon, 2:00pm, Location: Stage B

Keywords: Creative Short Story

Warrington, Nicole

Ashley Brown, Scott Eidson, Katherine Lovejoy (LANL), Rico Del Sesto (Dixie State University), David Fox (LANL), Andrew T. Koppisch (NAU)

Effects of 1-butyl-1-methylpyrrolidinium bistriflimide (BMP-NTF2) on the Viability of S. aureus and P. aeruginosa Biofilms

Poster

Session III, 2:00pm-4:00pm, Location: Display board 20B

Keywords: Ionic Liquid, Biofilm, Antibiotic

Wash, Ethan

Phonological Awareness in Spanish ESL Students

Poster

Session I, 9:00am-11:00am, Location: Display board 79C

Keywords: Phonology, ESL, Spanish

Watson, Rachel

Shelby Wade and Natalie Holmes

The Myth of the American Dream Perpetuating Poverty in the Media

Poster

Session III, 2:00pm-4:00pm, Location: Display board 52B

Keywords: poverty, mythic rhetorical criticism, The American Dream

Watson, Zachary

Nashelly Meneses, Karah Roof, Russell Benford

Erythrina Gall Wasps on Coral Trees Promote Visitations from Endemic Bird in Saipan

Poster

Session III, 2:00pm-4:00pm, Location: Display board 16B

Keywords: gall, erythrina, birds

Watts, Sara

Kelli Rider, Elise Cheever, Jonathan Brusnahan, Naser Aljaberi

ASCE Concrete Canoe: Night Fury

Oral Presentation

Afternoon, 3:40pm-4:05pm, Location: duBois Southwest Room

Keywords: Concrete, Canoe, ASCE

Webber, Michelle

The Perverse: Sociopathic Tendencies of the Bond Villain

Oral Presentation

Afternoon, 3:00pm, Location: Stage B

Keywords: Bond, Villains, Sociopathy

Weber, Alana

The Environmental Impact of Food Waste in America

Poster

Session III, 2:00pm-4:00pm, Location: Display board 98C

Keywords: environment, Food, Waste

Weber, Brooke

Lindsey Thurston, Patty Valenzuela

The Marginalization of Chicana Identity in Arizona versus California

Poster

Session III, 2:00pm-4:00pm, Location: Display board 44A

Keywords: Anthropology, Chican@, Politics

Weir, Matthew

Energy Water Nexus

Poster

Session II, 11:30am-1:30pm, Location: Display board 84D

Keywords: Water Energy Economics

White, Emily

Alternative Treatments for Patellofemoral Pain Syndrome (PFPS)

Poster

Session I, 9:00am-11:00am, Location: Display board 78A *Keywords*: Patellofemoral, ultrasound, chronic pain

Whitlatch, Aaron

Patricia Countryman, Aaron Whitlatch, Anthony Everett-Osvog, Sindia Perez, Lynda Chaprnka, Rose Eitemiller *NAU-Yavapai Civic Forum*

Poster

Session I, 9:00am-11:00am, Location: Display board 95D

Keywords: Civic engagement, Sustainability, Community Development

Wiggins, Kristin

Evaluation of Molecular Methods of Coccidioides Detection in Clinical Specimens

Poster

Session I, 9:00am-11:00am, Location: Display board 15C

Keywords: Valley Fever, Real-time PCR, RNA

Wilber, Kiersten

Nature Education in Southeast Alaska

Oral Presentation

Afternoon, 3:45pm-3:55pm, Location: duBois Meadows *Keywords*: Environmental education, summer camp, Alaska

Wilcox, Morgan

The Life You Are Given

Oral Presentation

Morning, 11:00am, Location: Stage D *Keywords*: Wes Moore, Drugs, Life outcome

Wiley, Kory

Analysis of Shallow and Deep Water Carbonates from the Cascadia Subduction Zone

Poster

Session III, 2:00pm-4:00pm, Location: Display board 23B

Keywords: Geology, Geochemistry, Carbonates.

Wilkins, Thomas

Doug Freeman, Luke Tytor

Project Mjolnir: Plasticity Modeling Software with MATLAB

Poster

Session III, 2:00pm-4:00pm, Location: Display board 35A

Keywords: Plasticity, Software, MATLAB

Wilkins, Thomas

Doug Freeman, Luke Tytor

Project Mjolnir: Plasticity Modeling Software with MATLAB

Oral Presentation

Morning, 10:15am-10:40am, Location: duBois Room A

Keywords: Plasticity, Software, MATLAB

Williams, Cody

D. McNeill, D. de Heer, J. R. Coast

Decrease in Metabolic Cost of Running across Trial Using a Treadmill that Unloads the Runner

Poster

Session III, 2:00pm-4:00pm, Location: Display board 17B *Keywords*: Anti-gravity treadmill, Metabolic cost, VO2max

Willis, Evan

Dr. Brent Nelson, Ph.D.

Study of Calcium-Dependent Binding of Titin's N2A Region to Thin Actin Filaments Using Atomic Force Microscopy

Poster

Session I, 9:00am-11:00am, Location: Display board 32A

Keywords: Atomic force microscopy, muscle physiology, force spectroscopy

Wilson, Gregory

Dissolution of the State

Poster

Session III, 2:00pm-4:00pm, Location: Display board 58B

Keywords: Nationalism Fragmentation Separatism

Wilson, Gregory

Pillars of Instability

Oral Presentation

Morning, 10:00am, Location: Stage B *Keywords*: Afghanistan Intervention

Wilson, Janice

Author- Diane M. Stearns, Ph.D

Detection of Heat- and Piperidine-Labile Sites in Plasmid DNA Exposed to Uranium

Poster

Session I, 9:00am-11:00am, Location: Display board 20C

Keywords: DNA exposed to Uranium

Wiser, Jennifer

Hannah Wall

Music Makes Merry

Performance

Afternoon, 1:00pm, Location: Stage D *Keywords*: Music, happy, change

Wolz, Frank

Archaeological Uses of DNA

Poster

Session III, 2:00pm-4:00pm, Location: Display board 46A

Keywords: Archaeology, Biology, DNA

Wood, Stephanie

Dr. Kevin Covey

Mid-Infrared Variability and Color in Young Stellar Objects

Poster

Session I, 9:00am-11:00am, Location: Display board 1A

Keywords: Young Stars, Extinction, Infrared

Wright, Kayla

Sir Paul Nurse's Discoveries on the Regulation of the Cell Cycle

Poster

Session I, 9:00am-11:00am, Location: Display board 3C

Keywords: Nobel, Cell Cycle

Yang, Yang

WERC Environmental Education Consortium Student Competition: Solar Distillation System Design

Oral Presentation

Morning, 10:15am-10:40am, Location: duBois Southwest Room

Keywords: WERC, Solar Distillation System,

Yellowhorse, Miranda

Erelda Gene

Connecting the Circles and Creating a Path for Native American Student Success

Poster

Session I, 9:00am-11:00am, Location: Display board 80C *Keywords:* Native American, academic, programs, education

Yurk, Aaron

Water Desalination in Southern California: A Cost Benefit Analysis

Poster

Session II, 11:30am-1:30pm, Location: Display board 91A

Keywords: Water Desalination California

Zang, Ying

Ying Zang

Water Desalinization

Poster

Session II, 11:30am-1:30pm, Location: Display board 84C

Keywords: desalinization;profit;industry

Zarcone, Kelly

Art and Activism

Poster

Session III, 2:00pm-4:00pm, Location: Display board 75C

Keywords: feminism, street art, activism

Zhou, Majun

Long Li, Clinton Harris

American Society of Civil Engineers Student Competition Steel Bridge Design Team 2

Oral Presentation

Afternoon, 3:15pm-3:40pm, Location: duBois Southwest Room

Keywords: ASCE Steel Bridge

Zhou, Wuke

Chinese Genre Film Rises

Oral Presentation

Morning, 9:15am-9:30am, Location: Stage A

Keywords: Chinese Comedies Genre

Zhou, Wuke

Rhetoric of Food and Travel Writing

Exhibit

Afternoon, 2:00pm-4:00pm, Location: CAL Tables

Keywords:

Zhu, Lulan

Government intervention and market pricing in efficiency water allocation

Poster

Session II, 11:30am-1:30pm, Location: Display board 90B

Keywords: water transfer, government intervention, market pricing

Zowada, Michael

Generalizations of Hadamard Matrices

Poster

Session III, 2:00pm-4:00pm, Location: Display board 30D

Keywords: Mathematics, Matrices, Hadamard