

RESEARCH, CREATIVITY, AND COMMUNITY INVOLVEMENT CONFERENCE

Glass Soldiers
Kari Adams

Digital photography. 16" x 20".
Included in the 2019 MSUB
Juried Student Exhibition at
Northcutt Steele Gallery.



6TH ANNUAL CONFERENCE

**Juried Student
Exhibition**

**with keynote speaker
Gary Ferguson**

**Jazz Ensemble
Concert**

KEYNOTE SPEAKER

Mr. Gary Ferguson

Nature and Ecology Author

Gary Ferguson is the author of 26 books on science and nature and his forthcoming book, *The Eight Master Lessons of Nature*, will be published this October by Dutton. *The Los Angeles Times* described his recent memoir, *The Carry Home: Lessons from the American Wilderness*, as “a big-hearted, soul searching memoir”; the work was later selected as “Nature Book of the Year” by the prestigious Sigurd Olson Environmental Institute. Meanwhile his environmental piece “A Deeper Boom,” in *Orion Magazine*, received the “Best Essay of the Year” award from the American Society of Journalists and Authors. Ferguson has been a Seigle Scholar at Washington University, St. Louis as well as the William Kittredge Distinguished Writer at the University of Montana. He continues to be a frequent contributor to a wide variety of publications, including *Vanity Fair*, *Orion* and *the Los Angeles Times*. Most recently he’s joined his wife, social psychologist Mary M. Clare, Ph.D. working to merge natural and social science in what they call “full ecology.”

Title of Keynote

Lessons from the Wild: Nature and Creativity

THANK YOU

TO ALL FACULTY WITH STUDENT PARTICIPANTS

Dr. Melissa Boehm

Dr. David Butler

Dr. Carl Castles

Dr. Jason Comer

Mr. Mark Earnhart

Dr. Lynn George

Dr. Susan Gilbertz

Ms. Tami Haaland

Dr. Doxey Hatch

Dr. Lisa Kemmerer

Dr. Tom Lewis

Dr. Matt McMullen

Dr. Matt Queen

Dr. Bernard Quetchenbach

Dr. Jennifer Scroggins

Dr. Alex Shafer

Dr. Kurt Toenjes



APRIL 11th

5:00 Reception for Juried Student Exhibition
LA first floor

7:30 Jazz Band Concert
Cisel Recital Hall

APRIL 12th

11:00 Participant Registration and Poster Set-Up Starts

12:45 Keynote Speaker in Petro Theater

1:30 Poster Presentations begin – Glacier Room

Bridger Room Roundtable

Faculty Moderator: Lisa Kemmerer

1:30 Environmental Policy at MSUB
Rusty Butler

ASC 152 Presentations Group 1

Faculty Moderator: David Craig

1:30 Fiction Analysis of The Fireman by Rick Bass
Rachel Lythgoe

1:40 Exploring the Relationship Between Science and Literature
Kaitlyn Moodie

1:50 Wombat Tarantino
William Segerstrom

ASC 152 Presentations Group 2

Faculty Moderator: Tami Haaland

2:00 Poetry Readings
John Allenbaugh, Haley Barthuly, Patty Fain, Rachel Lythgoe

2:30 Introduction to Creative Writing Class Readings
Lyndie Ark, Halle Fatzinger, Elizabeth Goffena, Tyler Gorecki, Madison Morgan, Madison Neuhoff, James Ortiz, Rachel Pekah, Cienna Riojas, Cameron Schlager, Shelby Wolery

3:00 – ICE CREAM SOCIAL, GLACIER ROOM



PRESENTERS

Allenbaugh, John

Title: Poetry Reading

Faculty Mentor: Tami Haaland

Major: Art

Project Narrative: The intermediate and advanced poetry classes at MSUB will share new work from the semester.

Anderson, LillianLee

Title: Billings Residents' Perceptions of Crime

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice, Sociology

Project Narrative: The purpose of the study is to understand residents' perceptions of parks and crime. Data was collected using self-administered surveys. Preliminary findings suggest that non-white residents perceive more crimes in their neighborhood and that groups with higher incomes rated their neighborhood as lower in criminal activity.

Ark, Lyndie

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: Pre-Professional Nursing

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Barthuly, Haley

Title: Poetry Reading

Faculty Mentor: Tami Haaland

Major: Political Science

Project Narrative: The intermediate and advanced poetry classes at MSUB will share new work from the semester.

Bloyder, Alexandra

Title: *Mean Girls*: A Rhetorical Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Communication – Media Studies

Project Narrative: The film *Mean Girls* showcases high school junior, Cady Heron, gaining popularity in her attempt to sabotage queen bee, Regina George. Rhetorical analysis was used to identify how social class is portrayed throughout the movie. The results showed that social class directly effects a character's popularity and appearance.



Bollinger, Bridget

Title: Construction of a CRISPR-Cas9 System for Use in *Pseudomonas Aeruginosa* Genome Editing

Faculty Mentor: Dr. Thomas Lewis

Major: Biology

Project Narrative: Recombineering is a form of DNA recombination that allows researchers to alter/edit a cell's genome. This project relies on an ancient bacterial DNA repair system currently termed CRISPR-Cas9 system.

Brandt, Kathleen

Title: The Effects of Creatine on Sprint Performance in Non-Trained Individuals

Faculty Mentor: Alex Shafer

Major: Human Performance

Project Narrative: Creatine is a popular supplement used to improve sports performance. While studies have shown improvements in muscular strength in trained individuals, little research has been conducted on how creatine affects sprinting performance (Faraji et al., 2010). This research project looks further into the effects of creatine supplementation on sprint performance, focusing specifically on non-trained individuals.

Branum, Jason

Title: *Dumb & Dumber: A Semiotic and Framing Analysis*

Faculty Mentor: Dr. Melissa Boehm

Major: Communications – Media Studies

Project Narrative: Set in the 1990s, *Dumb and Dumber* is a story of two best friends who are out of a job, money and options. They end up going on a cross-country trip to give back a briefcase, but it's what's inside the briefcase that really changes their life. Semiotic analysis revealed stark differences in representation of social classes.

Butler, Rusty

Title: Environmental Policy at MSUB

Faculty Mentor: Dr. Lisa Kemmerer

Major: Environmental Studies

Project Narrative: This open forum will allow the MSUB community an opportunity to provide input on adopting a student-drafted environmental policy.

Butler, Rusty

Title: Sustainability Along the Yellowstone River

Faculty Mentor: Dr. Gilbertz

Major: Environmental Studies

Project Narrative: This oral presentation focuses on using narrative research to look at the topic of the Yellowstone River within the framework of sustainability.



Cantwell, Tanner

Title: *Remember the Titans*: A Textual Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Liberal Studies

Project Narrative: Set in the early 1970s, *Remember the Titans* is a film that tells the story of the T.C. Williams high school football team and the adversity they had to go through. The researcher conducted a qualitative textual analysis on inspiration as portrayed by the film. Results indicate that audience members' categorization of the film as inspirational is an effect of the number of emotions portrayed in the film.

Coons, Chelsea

Title: Investigating the Binding of BH31-1 Derivatives to Anti-Apoptotic Bcl-2 Proteins

Faculty Mentor: Dr. David Butler

Major: Biology

Project Narrative: *Candida albicans* is a leading cause of superficial and life-threatening fungal disease. The ability to grow as filamentous cells is an important virulence trait for this fungus. Thus, molecules that block filamentous growth may form the basis for a novel approach to controlling infections by *C. Albicans*. We have characterized a small molecule called BH31-1 that specifically inhibits filamentous growth, but not yeast-from growth. BH31-1 is not likely to be a good candidate for an anti-fungal drug, as it targets human Bcl-2 proteins and has the potential to induce apoptosis in human cells.

Cordero, Pedro

Title: In Which Ways Does the Yellowstone County Self-help Law Center Help Women?

Faculty Mentor: Dr. Jennifer Scroggins

Major: Sociology

Project Narrative: The purpose of this research was to determine why women use the self-help law center. Data were collected using semi-structured interviews. Preliminary findings suggest that financial concerns and a lack of access to legal counsel are driving forces behind why women use the self-help law center.

Cozart, Chaquille

Title: *Ozark*: Rhetorical Analysis of Racial Stereotypes

Faculty Mentor: Dr. Melissa Boehm

Major: Communications – Media Studies

Project Narrative: *Ozark* is a Netflix Original series that follows an ordinary family as they find themselves caught in a game of drugs and money laundering. A rhetorical analysis was conducted to uncover how racial stereotypes are used in the series. Results indicate that *Ozark* does portray existing negative racial stereotypes.

Downing, Jennifer

Title: *American Housewife*: A Rhetorical Analysis of the Correlation between Body Image and Social Class

Faculty Mentor: Dr. Melissa Boehm

Major: Organizational Communications

Project Narrative: *American Housewife* is a sitcom aired on ABC that focuses on a middle-class family who rent a house in the rich community of Westport, Connecticut. The researcher conducted a rhetorical analysis using encomium, irony, and metonymy to explore whether body image and social class correlate with one another. The results showed that these two aspects go hand-in-hand, although there are also some instances of rebellion against societal norms.



Fain, Patricia

Title: Poetry Reading

Faculty Mentor: Tami Haaland

Major: Public Relations

Project Narrative: The intermediate and advanced poetry classes at MSUB will share new work from the semester.

Farr, Lana

Title: The Effectiveness of Current Physical Therapy Treatment on Knee Osteoarthritis in an Active, Adult Patient: A Case Study

Faculty Mentor: Dr. Alex Shafer

Major: Health and Human Performance

Project Narrative: Knee osteoarthritis is a debilitating disease that affects a large percentage of people in the United States, and, as such, this study researched the effectiveness of current physical therapy treatment in an older, active adult. While many treatment methods such as strength training and aerobic exercise have been shown to be effective interventions, these techniques did not prove to be very effective for the case-study participant. Further research should be done to discover novel treatment methods for already active individuals.

Fatzinger, Halle

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: Communication – Media Studies

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Folla, Samuele

Title: *The Mafia Kills Only in Summer*: Semiotic Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Public Relations

Project Narrative: *The Mafia Kills Only in Summer* was filmed in 2013 and focuses on the struggle against Mafia in Palermo, between the 1970s and 1990s. A qualitative analysis was used to explain the main themes and to study the different kind of symbols portrayed in the movie. Findings indicate that the movie belongs to the Italian tradition as explained by Small (2005) in a previous study. Besides violence, the Italian tradition includes themes regarding the social and political environment affected by the Mafia.

Fox, Zeena

Title: *Longmire*: An Analysis of Stereotypes of Native Americans

Faculty Mentor: Dr. Melissa Boehm

Major: BSLs

Project Narrative: Set in the 21st century, *Longmire* is a mystery thriller television series aimed at solving crime in northern Wyoming. A qualitative textual analysis of the media representation theory based on Native Americans found that Native Americans are accurately represented in this series.



Gallup, Sarah

Title: Effects of Familiarity on Mate Selection in *Poecilia reticulata*

Faculty Mentor: Dr. Carl Castles

Major: Biology

Project Narrative: *Poecilia reticulata* (commonly known as guppies) are freshwater fish commonly used in behavioral research; the researchers investigated the effect of familiarity on female mate selection.

Gallup, Sarah

Title: Studying Codon Bias and Kidney Dysfunction in a Mouse Model for Familial Dysautonomia

Faculty Mentor: Dr. Lynn George

Major: Biology

Project Narrative: Familial dysautonomia (FD) is a debilitating disease primarily known for its damage to the peripheral nervous system by compromised Elongator function. However, kidney failure is the most common cause of death in FD patients. We hypothesize that compromised Elongator function impairs water re-uptake in the kidney resulting in damage to the kidney cells.

Gentry, Shalese

Title: Gender Stereotypes in Children's Toys

Faculty Mentor: Dr. Jennifer Scroggins

Major: Sociology

Project Narrative: The purpose of this research project is to perform a content analysis of children's toys in six stores in Billings, MT, to ascertain how often and to what degree gender stereotypes are used. It is hypothesized that, though stores are attempting to remove explicit gender labels in an attempt to appear progressive, implicit labels still remain. Therefore, children are still receiving information about gender stereotypes.

Goffena, Elizabeth

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: English

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Gorecki, Tyler

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: General Studies

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.



Hoyt, Traven

Title: Student Awareness of Human Trafficking

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice

Project Narrative: This research project explores the awareness and general knowledge MSU Billings students have on the topic of human trafficking. This study used a survey where students defined human trafficking, and described who is most likely to become a victim and what region of the world is most affected. The results aligned with the hypothesis that about 70% of the sample considered human trafficking to be modern day slavery, with about 50% linking it directly to the sex trade.

Hubbs, Elizabeth

Title: *Criminal Minds*: A Semiotic and Aesthetic Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Communication-Organizational

Project Narrative: A semiotic and aesthetic analysis of social class, race, violence, and Marxist theory was conducted on the TV show *Criminal Minds*. It was found that the show supports Marxist theory as the FBI are portrayed as superior to police, who are portrayed as incompetent. The study also reviews the show's treatment of social class, race and violence.

Ingram-Hegenbart, Richard

Title: Politics: Moral Relevance and Political Affiliation

Faculty Mentor: Dr. Doxey Hatch

Major: Psychology

Project Narrative: This study is based on previous research conducted by Johnathan Haidt on five moral foundations. I predicted that, while scoring on all foundations, Liberals would mainly emphasize two, while Conservatives would show equal emphasis to all foundations.

Ivanova, Miglena

Title: Gender Stereotypes: Do People Still See Certain Behavioral Traits as More Masculine or More Feminine?

Faculty Mentor: Dr. Doxey Hatch

Major: Psychology, Psychiatric Rehabilitation

Project Narrative: A word association test was developed to measure how often certain behavioral characteristics are attributed to either gender while attempting to control for repeated previous exposure to the words by choosing uncommon terms. Participants were more likely to use a male subject when applying the words invective, cogent, and ribald, and a female subject when applying the words cosset, mawkish, and querulous. Both male and female participants used the words at similar rates to refer to either gender in their sentences.



Ivanova, Miglena

Title: What Does Google Trends Tell Us about Psychological Disorders?

Faculty Mentor: Dr. Matt McMullen

Major: Psychology, Psychiatric Rehabilitation

Project Narrative: Based on the premise that Google searches provide a window into people's anonymous interests, this study examined relationships between the prevalence of mental disorders and the rate of Google searches for these disorders. The first hypothesis was that states with a higher prevalence of a disorder would have a higher number of internet searches for that psychological disorder. The second hypothesis was that disorders that are known to often co-occur would also have similar search rates. This study concludes that there was not enough evidence to support that Google searches provide us with enough valuable data.

Kane, Rylee

Title: The Influence of Fixation Point and Gaze on Performance of Basketball Free Throw

Faculty Mentor: Dr. Alex Shafer

Major: Health & Human Performance

Project Narrative: Gaze is an important component of targeting tasks, particularly in athletic competitions. The primary aim of this study was to determine whether there was a significant difference seen between amateurs and experts for the ocular fixation point during a free throw. The ability to control the components of gaze could allow for higher accuracy of motor tasks.

Kelly, Madison

Title: Challenges of Working with Sex Offenders in a Rural Area

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice

Project Narrative: This study examines criminal justice professionals, which include one probation officer, two treatment providers, and one Alpha House case manager, and their attitudes regarding the challenges of working with sex offenders.

Keltner, Halle

Title: A Rhetorical Analysis of *The West Wing*: Gender Stereotypes and Idealism

Faculty Mentor: Dr. Melissa Boehm

Major: Political Science

Project Narrative: Set in the early 2000s, *The West Wing* is a series that showcases an idealized cast of characters and their lives working in the White House on behalf of the President. A rhetorical analysis was conducted on gender stereotypes and the use of language. Results indicate that *The West Wing* both reinforces and breaks gender stereotypes in its portrayal of the main female characters.

Krebs, Aurora

Title: Studying Codon Bias and Kidney Dysfunction in a Mouse Model for Familial Dysautonomia

Faculty Mentor: Dr. Lynn George

Major: Liberal Studies

Project Narrative: Familial dysautonomia (FD) is a debilitating disease primarily known for its damage to the peripheral nervous system by compromised Elongator function. However, kidney failure is the most common cause of death in FD patients. We hypothesize that compromised Elongator function impairs water re-uptake in the kidney resulting in damage to the kidney cells.



Logan, Lauren

Title: *You*: A Qualitative Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Communications – Public Relations

Project Narrative: The Netflix show *You* is set in New York City in 2017 and shows a young adult male stalking a female with whom he has a romantic relationship. The researcher conducted a qualitative analysis on the representation of stalking in media and how social media is used as a stalking tool. The results indicated that stalkers are increasingly using social media to find victims and to find out personal information about those victims.

Lythgoe, Rachel

Title: Poetry Reading

Faculty Mentor: Tami Haaland

Major: English

Project Narrative: The intermediate and advanced poetry classes at MSUB will share new work from the semester.

Mazel, Jeannine

Title: *Snatch*: A Rhetorical and Semiotic Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: BA Communications – Media Studies/BS Psychology

Project Narrative: *Snatch* is a film set in early 2000s' London that promotes a fictional world of freedom and an escape from social norms through a lawless setting filled with criminals and underground organizations. Overall, rhetorical, and semiotic analysis were used to observe different aspects within the film, including freedom, violence, and the diversity that brought the film to life. Results showed how different uses of humor, violence, and ethnic diversity within *Snatch* created a world separate from society's norms and reliant on characters creating their own future or brands of freedom.

Moodie, Kaitlyn

Title: Exploring the Relationship Between Science and Literature

Faculty Mentor: Dr. Bernard Quetchenbach

Major: English, Business

Project Narrative: My presentation explores the way in which literature channels emotion, which augments logic, thereby providing a contrast for scientific theory and even changing the language used to discuss it.

Molnaa, Jarrod

Title: *The Office* – A Textual Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: BSLS

Project Narrative: Set in the early 2000's, NBC's *The Office* is a comedic television series that shows the ins-and-outs of everyday life in a 9-5 work office. The researcher conducted a qualitative analysis on the portrayal of men and women, and the language of their jokes and discussions in the office. Results indicated that the exploitation of and stereotypes surrounding gender roles, race and ethnicity, and sexual orientation were present in the episodes analyzed.



Morgan, Madison

Title: Feminism Theory and *The Office*: A Rhetorical Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Communication – Media Studies

Project Narrative: Set in the early 21st century, *The Office* is a television series that aired on NBC Network that shows a satirical representation of the everyday lives of middle-class workers at a paper company in Scranton, Pennsylvania. A qualitative rhetorical analysis was conducted to compare and contrast the female and male gender roles portrayed in the show. Results may indicate that the comparison of female and male gender roles show negative representations of both genders, especially females.

Morgan, Madison

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: General Studies

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Nagel, Riley

Title: *Fight Club* & Identity

Faculty Mentor: Dr. Melissa Boehm

Major: Mass Communication

Project Narrative: Based on a book with the same name, 1999's cult classic *Fight Club* is a story of two men fed up with their current lives who start an underground fight club as a result. The researcher focused on an overall analysis of the plot and themes of the film, as well as a rhetorical analysis, and concluded that the film primary focuses on themes of both personal and American Identity.

Neuhoff, Madison

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: Pre-Professional Nursing

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Olson, Dylan Ray

Title: Billings Residents' Perceptions of the Public Transportation System

Faculty Mentor: Dr. Jennifer Scroggins

Major: Political Science, Criminal Justice

Project Narrative: The purpose of this research is to identify how Billings residents feel about public transportation. Data were collected using a self-administered survey. Preliminary findings suggest the residents do not associate public transit with negative outcomes, and there is support for increasing public transit options.



Ortiz, James

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: English Education

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Park, Karlee

Title: *You*: An Aesthetic Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Communication- Media Studies

Project Narrative: Taking place in modern day New York City, the television series *You* follows the life of a stalker who is willing to do anything for love. An aesthetic analysis was conducted in order to explain how directorial decisions spark specific emotions in the audience. Results indicate that decisions such as the blue lighting in the basement may have been used to not only make the audience feel certain emotions, but to also demonstrate the significance of the setting to the protagonist.

Pekah, Rachel

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: English

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Peralta, M.A.

Title: *South Park*: A Rhetorical Analysis of Latino Representation

Faculty Mentor: Dr. Melissa Boehm

Major: Communication-Organizational

Project Narrative: *South Park* is an animated series, aired by Comedy Central, of a fictional town, using satire to comment on current society. Rhetorical analyses were conducted on the program, specifically regarding the representation of Latinos.

Porter, Jennifer

Title: Are Betta Fish Susceptible to Seasonal Affective Disorder (SAD)?

Faculty Mentor: Dr. Carl Castles

Major: Biology

Project Narrative: This research explores whether or not seasonal changes can affect aggression behaviors in fish.

Porter, Jennifer

Title: Current Projects and Research of the MSU-Billings Herbarium

Faculty Mentor: Dr. Jason Comer

Major: Biology

Project Narrative: Current studies and updates happening at the MSU Billings Herbarium will be presented.



Ranney, Brandon Carl

Title: The Toolman vs. Outdoor Man: A Textual Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Organizational Communication

Project Narrative: *Home Improvement (HI)* and *Last Man Standing (LMS)* both star Tim Allen as an upper-middle-class husband and father. A qualitative analysis was performed on part of each series. Findings suggest that Allen's role in *LMS* is portrayed more favorably and is more respected by characters than in *Home Improvement*.

Richard, Aimery

Title: How Victimization Affects Students at MSUB

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice

Project Narrative: The purpose of this research is to understand how victimization affects different student groups at MSU Billings. I used convenience sampling to survey 94 respondents. My findings suggest that sex and race shape victimization and perceptions of vulnerability for MSU Billings students.

Riojas, Cienna

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: English Education

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Ruth, Timothy

Title: Understanding Police Secrecy from a Public Perspective

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice

Project Narrative: The purpose of this research is to understand perceptions of police in society. Data was collected using semi-structured interviews. Findings revealed mixed support for police secrecy.

Sanders, Nikki

Title: *Black Sails*: A Rhetorical Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Communication-Mass

Project Narrative: Taking place in 1715, *Black Sails* is a Starz original series that depicts a band of pirates struggling to find their fortune. A rhetorical analysis was done to link characters' apparel to the amount of their success. Results show that apparel is used to signify how successful a character has become.

Saunders, Chelsea

Title: Perspectives on Universal Health Care

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice & Sociology

Project Narrative: The purpose of this research was to explore perspectives on universal health care. Data was obtained through content analysis on comments from online news sources. Preliminary findings show limited support.



Schlager, Cameron

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: Welding

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Seegerstrom, William

Title: Wombat Tarantino

Faculty Mentor: Tami Haaland

Major: Public Relations

Project Narrative: This ten-minute reading of a creative short story is an (unconscious) ode to Orwell's *Animal Farm*. The story utilizes socio-political humor.

Sharp, Aaron

Title: Gram-Positive Bacterial Inhibition by Novel Antimicrobial Small Molecule

Faculty Mentor: Dr. Kurt Toenjes

Major: Biology

Project Narrative: This project explores the potential of a novel small molecule as an antibiotic. Currently the small molecule is known to inhibit gram-positive bacteria, but the mechanism of action is unknown.

Songer, Tayler

Title: Dechlorination of CCl₄ by Cu(PDTC)Br under Environmental Conditions

Faculty Mentor: Dr. Matt Queen

Major: Biology

Project Narrative: Environmental reduction of carbon tetrachloride proceeds via trichloromethyl radical mechanism, which results in lesser chlorinated intermediates that can be even more harmful to living organisms. It has been shown that [Cu(PDTC)L] X dechlorinates carbon tetrachloride directly to environmentally safe CO₂ and chloride. This study investigates the dechlorination kinetics of carbon tetrachloride by [Cu(PDTC)Br]- in simulated environmentally relevant conditions found in aquifers.

Unzaga, James

Title: We Can't Get it Off!: An Investigation of Ligand Lability Using P K-edge X-Ray Absorption Spectroscopy and Chemical Kinetics

Faculty Mentor: Dr. Matt Queen

Major: Chemistry

Project Narrative: Carbon Tetrachloride (CT) is a carcinogenic industrial solvent. Environmentally CT dechlorinates in a stepwise manner forming lesser chlorinated intermediates. [Cu(PDTC)L] is a small coordination compound capable of dechlorinating CT into less harmful decomposition products: CO₂ and Cl⁻. In this study we draw a correlation between the dechlorination kinetics of CT of [Cu(PDTC)L] and the ligand lability of the L ligand using P K-edge X-Ray Absorption Spectroscopy.



Vazquez, Tanairy

Title: Perceptions of Police-Citizen Interactions

Faculty Mentor: Dr. Jennifer Scroggins

Major: Criminal Justice

Project Narrative: The purpose of this research is to understand MSUB student perceptions regarding police-citizen interactions.

Walters, Cody

Title: Generation of a High Throughput Screening System for Small Molecules that Can Rescue Axonopathy

Faculty Mentor: Dr. Lynn George

Major: Biology

Project Narrative: Neurological diseases such as familial dysautonomia (FD), amyotrophic lateral sclerosis (ALS), and Alzheimer's exhibit abnormal axon function or growth, termed axonopathy. The expensive and notoriously difficult nature of culturing primary neurons has impeded the discovery of therapeutics capable of treating axonopathies. This project aims to develop a yeast-based high throughput screening system for small molecules capable of rescuing axonopathies.

Wetzel, Aura

Title: *Shameless* (U.S.): A Rhetorical and Semiotic Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Media Studies

Project Narrative: *Shameless* (U.S.) is a television series available on Showtime that depicts modern dramatic themes such as drug addiction and poverty in modern society. A semiotic and rhetorical analysis was conducted on three consecutive episodes of the series. The results revealed that *Shameless* (U.S.) may portray these issues sympathetically using transportation theory and the disease metaphor.

Williams, Devin

Title: We Can't Get it Off!: An Investigation of Ligand Lability Using P K-edge X-Ray Absorption Spectroscopy and Chemical Kinetics

Faculty Mentor: Dr. Matt Queen

Major: Biology

Project Narrative: Carbon Tetrachloride (CT) is a carcinogenic industrial solvent. Environmentally CT dechlorinates in a stepwise manner forming lesser chlorinated intermediates. [Cu(PDTC)L] is a small coordination compound capable of dechlorinating CT into less harmful decomposition products: CO₂ and Cl⁻. In this study we draw a correlation between the dechlorination kinetics of CT of [Cu(PDTC)L] and the ligand lability of the L ligand using P K-edge X-Ray Absorption Spectroscopy.

Williams, Michelle

Title: Meals and Bedtimes: MSUB Students' Experiences with Routines

Faculty Mentor: Dr. Jennifer Scroggins

Major: Sociology

Project Narrative: The purpose of this study is to describe how MSUB students' perceptions of routines in their daily lives differ based on their current life circumstances. The findings of this research will be useful to student supporters at MSUB and to researchers interested in daily routines. It will also illuminate any major differences between groups of students, or patterns within groups.



Williams, Michelle

Title: Don't Make it Weird

Faculty Mentor: Mark Earnhart

Major: Sociology

Project Narrative: As a family develops and the children grow, the routines they enact to carry out daily life will change as well. Through everyday objects, photographs, and sculpture, *Don't Make It Weird* tells the story of a daughter whose relationship with her family is changing.

Wolery, Shelby

Title: Introduction to Creative Writing Class Reading

Faculty Mentor: Tami Haaland

Major: Pre-Professional Nursing

Project Narrative: The Introduction to Creative Writing class, CRWR 240, will present a reading of our best stories and poems.

Woolery, Carson

Title: *The Pursuit of Happiness*: A Textual Analysis

Faculty Mentor: Dr. Melissa Boehm

Major: Public Relations

Project Narrative: Set in the early 2000s, *The Pursuit of Happiness* is a film available on multiple platforms. It depicts the struggles of the lower working classes and their pursuit to become successful. A textual analysis was conducted to understand the logos, ethos and pathos of the film. The results indicate that the film depicted society's stigmas towards certain social classes.



MSU BILLINGS DEPT OF MUSIC

The Department of Music welcomes you to the 2019 Jazz Ensemble Concert and to the Sixth Annual Research Creativity and Community Involvement Conference!

This year's concert will highlight three ensembles, the Jazz Ensemble (big band format), the Jazz Combo 1, and the Jazz Combo 2. The concert will feature a wide variety of styles including Swing, Bebop, Latin Jazz, Funk and Soul music.

As a department, we are delighted to share the creativity and musicianship of our students, and we anticipate that their performances will elicit your enthusiastic response—just as it did last year when keynote speaker and renown pianist Philip Aaberg rose to lead the audience in a standing ovation.

On behalf of the MSUB Music Faculty
Mark Fenderson, Scott Jeppesen, Doug Nagel, and John Roberts:

Welcome to this evening of jazz!



Jazz Concert

Featuring Jeff Troxel – Jazz Guitar

Thursday, April 11, 7:30 PM

Cisel Recital Hall

Jazz Ensemble

John Roberts, Director

Saxophone	Trumpet	Trombone	Rhythm	Vocals
Konnor Stiles Melissa Czarny Sarah Farris Andrew Hansen Haylee Koon	Tyler Honcoop Monica Moss Rebecca Bolerjack Sarah Hutzenbiler	Dani Steiger Collin Sitton Seth Ullman Caleb Barndt Chris Fite	Dillon Steiger Teague McChesney Jacob Decker Alex Bush Mason Elkin	Brook Moncada Patrick LaFountain Troy Sprag

Jazz Combo 1

Scott Jeppesen, Director

Saxophone	Trumpet	Trombone	Rhythm	Vocals
Konnor Stiles Sarah Farris	Tyler Honcoop	Seth Ullman	Thomas Johnson Alexander Bush Dillon Steiger	Emerald Hart

Jazz Combo 2

Mark Fenderson, Director

Saxophone	Trumpet	Trombone	Rhythm	Vocals
Brooke Moncada Kaylee Koon Katrina Jandro	Rebecca Bolerjack	Chris Fite	Mason Elkin Sarah Farris Jacob Decker Asher Sotelo	Brooke Moncada



WELCOME

Dear Friends of the Northcutt Steele Gallery and MSUB Department of Art,

I am proud to celebrate the artistic accomplishments of the students at MSU Billings and their works in this year's Juried Student Exhibition at Northcutt Steele Gallery.

I offer my sincere thanks to all participating artists, to the gallery assistants and the faculty and staff who made this exhibition possible. In particular, I am grateful to our juror Bob Durden for his sincere interest in and support of our students and his generosity of time in selecting the works. Bob is an alumnus of MSU Billings, an artist, former senior curator of the Yellowstone Art Museum and owner/director of Durden Gallery on Minnesota Avenue. He chose works that testify to the rich talents and diverse visions of our students working across a broad range of media.

This exhibition runs from April 4 - 30. Gallery hours are M-F, 8 am - 4 pm.

Sherri Cornett
Interim Director, Northcutt Steele Gallery

JUROR'S STATEMENT

I'd like to thank all students who submitted applications to this year's jury pool. They have participated in what for some will become a life-long quest to have their work exhibited. Whether their work was accepted or rejected, valuable lessons will have been learned. What was the quality of an idea and the application of media and skill, were the submitted images of high enough quality and clarity of composition for the work to be appreciated and understood, did the work meet the requirements of the submission process...? All of these are valuable questions that students will undoubtedly ask themselves and continue asking well into their professional lives. I congratulate those whose work was selected for exhibition. For those whose work was not, I suspect they will learn more from the rejection than their peers will glean from their acceptance. In either case humility is one reward for participation — humility in “winning and losing.” How do we celebrate one's own success while encouraging peers to succeed in the future even as we may eventually “fail?” This is a long journey of discovery in which these young artists are just beginning to participate.

For my part in the process, I am pleased to have been selected to jury this exhibition. As an Alumnus of this school, I've sat where these artists sit, and stood where they stand in their studio classes, submitted to this process, and was juried out and juried in over the course of my studies and participation. It important to remember that each student submitted to a subjective process and trusted in a stranger to make judgments about their work. There is bravery in such an act.

The criteria for the selections I've made were predominantly two-fold. I based my decisions on how much the work had merit in form and in content. Did the work reveal something of the artist's personality and experience, and how adept was the application of media and all elements of design? It is in this balance that we strive to communicate visually to the world at large. Visual language is a tricky business and so is the technical capacity to reveal one's ideas in a manner that isn't lost on the viewer. Additionally, this exhibition is a mirror of the disciplines available at MSUB's College of Art. Under the tutelage of a fine art faculty, I have no doubt that these students will continue to evolve in positive ways as they complete their studies.

Again, I congratulate them all and thank the students for inviting me to jury this year's exhibition. I suspect that some may find themselves in similar situations jurying other exhibitions in the years to come.

Bob Durden, Juror



Breanna Shermer
Cherry Blossom and Helleborus
Acrylic on canvas. 48 X 24 inches.



Breanna Shermer
Anemone
Charcoal on paper. 25.5 x 19.5 inches.



Hannah Harsha
Origin of Shape
Gelatin silver print. Series of 5 at 8 in. x 10 in.



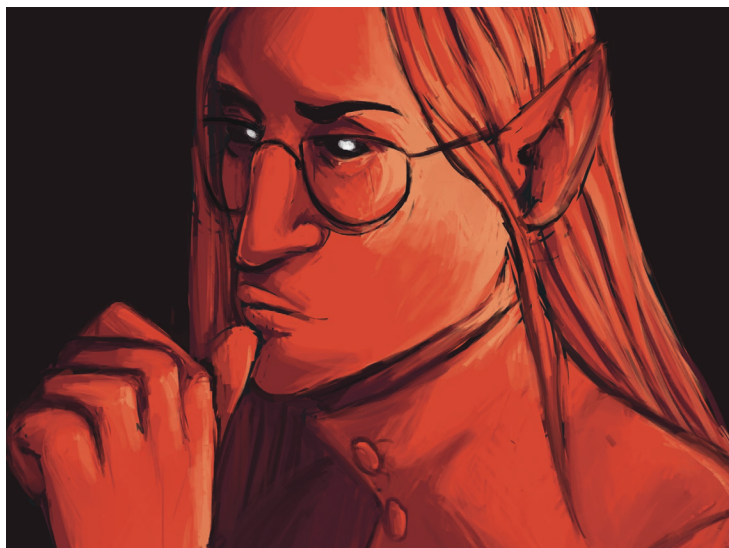
Taylor Evans
Morphing
Acrylic ink on paper. 33in x 23.5in.



Dawn Doyle
Apsaalook'e
Clay. 13x13 in.



John Allenbaugh
Rhythm and Chaos
Paper, graphite, henna paste, motor oil, Plasticine, guitar string. 24"x32".



Morgan Borsum
*I've Been Alive A Thousand Years And Still
Have The Same Song Stuck In My Head*
Photoshop. 24 x 18 Inches.



Ivy Bird
Crow Design
Ceramics. 35"x8".



Chloe Fields

Take Me Out

Color pencil. 11"x14".



Samantha Arave

Blood is Thicker than Water

Oil. 4'x4'.



Vince Long

Tangential

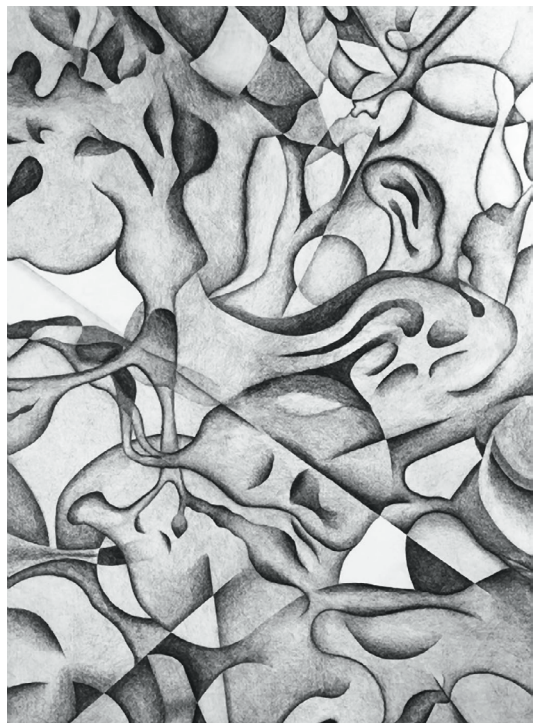
Ceramics, stain. 13x13x9.



Vince Long

AM/FM

Ceramics, stain. 14x4x3.



Vince Long

Insomnia 2

Graphite on paper. 22x30.



Danielle Four Bear

Bearing Thanks

Ceramic. 36.25H x 12.5W.



Danielle Four Bear

Grounded

Ceramic. 6L x 3.25W x 2H.



Laura Meintjes

Pride

Watercolor on paper. 12x18.



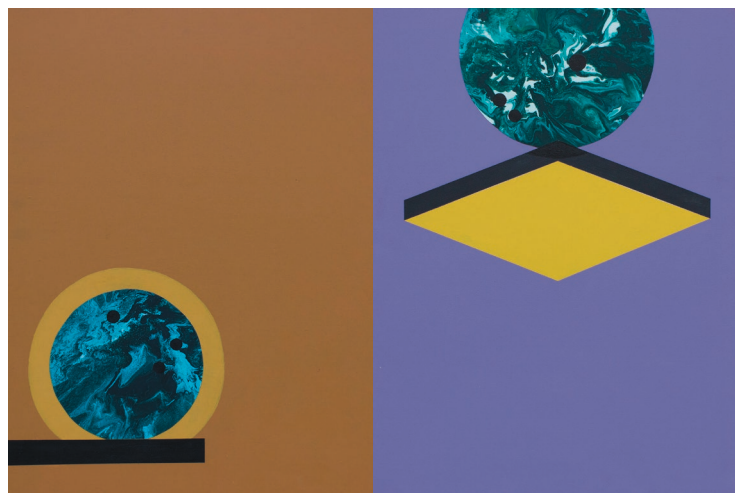
Laura Meintjes
Pride #2
Watercolor on paper. 12x18.



Carrie Davis
Skull Dog
Acrylic. 18 X 24.



Elizabeth May
Radioactive Melon (Tribute to Thiebaud)
Oil on panel. 24x18.



Elizabeth May
Momentum Diptych
Acrylic on panel. 18x24.



Elizabeth Fisher

Once Upon A Time

Photoshop collage. Variable size.



Elizabeth Fisher

Rays

Prismacolor art markers on Bristol board. 13x9.



Janessa Williams

Gather

Clay. 32x16.



Casey O'Malley

Jessica's Kitchen

Print attached to plywood. 36x42.



Angel Shandy

Honest

Ink on handmade paper. 11 x14.



Angel Shandy

Attack of the Lonely Gnome

India ink, watercolor, yupo, paper, fishing line. 75 x 75.



Lili Delgadillo

Abstract Waves

Acrylic on canvas. 18 x 24.



Olivia Ruesch

Avocado

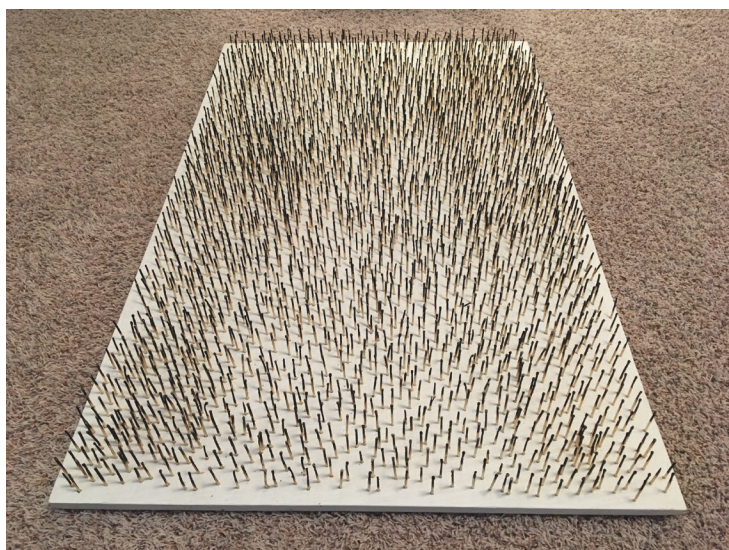
Oil on canvas. 14x11.



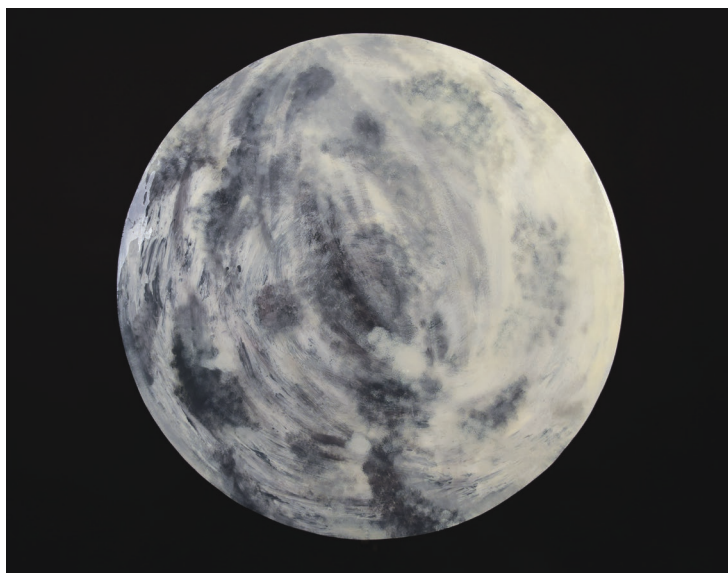
Morgan Syring
Self-Portrait (No Value)
Oil on Arches oil paper. 15x22.



Haley Piatte
Junk Yard Truck
Watercolor. 18 in. x 24 in..



Haley Piatte
Dead Forest
Mixed media: plywood, paint, matchsticks. 47 in. x 30 in. x 2.5 in.



Kari Adams
Rhea
Acrylic and resin on MDF. 48 diameter.



Kari Adams

Glass Soldiers

Digital photography. 16 x 20 unframed.



Isaiah Girard

Time: Interpreted From The Documents of Contemporary Art

Mixed media on canvas and appropriated clocks/watches. 24x 48 canvas, dimensions of sculpture aspect unknown.



Isaiah Girard

Art: Don't Touch!

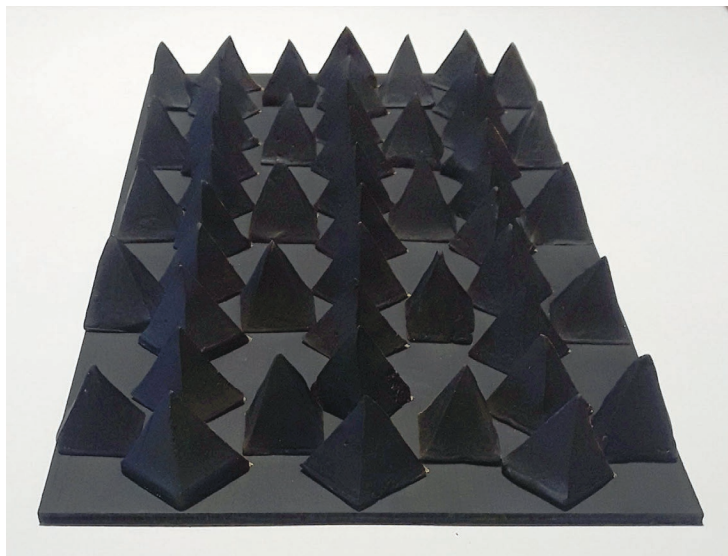
Ceramic stoneware and acrylic paint. 10x14.



Terri Porta

Birth of an Idea

Steel. 3'x3.5'x4'.



Courtney Dickerson

Positivity is Perception

Clay and acrylic on wood. 17.5in X 9.5in.



Courtney Dickerson

Inner Self Portrait

Pencil, charcoal, and marker on paper. 24in X 16in.

Special Thanks & Appreciation

Provost Melinda Arnold

Facility Services

Leanne Gilbertson

Patrick Williams

Sherri Cornett

Jenay Cross

Danielle Loomer

Sodexo

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