2018 Indiana University South Bend
Undergraduate Research Conference

Friday, April 13, 2018

Conference Program and Abstracts

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**WELCOME MESSAGE**
Welcome to the 2018 IU South Bend Undergraduate Research Conference! The URC continues to expand into a springtime institution on our campus, drawing the participation of around one hundred students, faculty, staff, and observers all committed to the research and creative process. The URC is one of many outlets for IU South Bend students to showcase the research they complete in their classes or as part of research teams with faculty, and the conference serves as a moment to publicly recognize the high quality of students’ work.

As always, the conference program this year consists of a wide range of exciting research and creative activities from a range of disciplines. The 2018 URC features panels in History, French and German, Economics, and Political Science, Literature, and Anthropological Theory. There are a wide variety of research posters on topics including, but not limited to, Chemistry, Biochemistry, and Psychology. We are also pleased to include a special panel with tips on planning for graduate school as well as a special creative writing presentation with our keynote speaker, Mike Arnzen. We hope you will take in presentations from a range of disciplines and engage with student presenters, asking about their research, methods, and findings.

**ACKNOWLEDGMENTS**
The faculty organizers of this conference (Kristy Ganoe, Igor Juricevic, Jeff Luppes, Mohammad Merhi, Shahir Rizk, Zach Schrank (chair), and Jannike Seward) would like to congratulate and thank all the students participating this year. We also commend their faculty mentors (named in parentheses in this program) for their dedication to their students.

We deeply appreciate the enthusiastic support provided by Executive Vice Chancellor for Academic Affairs Jann Joseph and Chancellor Terry Allison, and the efforts of committed IU South Bend instructors and staff, including the members of the Undergraduate Research Advisory Council.

Again this year the conference poster and program cover were designed by an IU South Bend student—Leah Fick, a fine arts graphic design major.

No conference is possible without the behind-the-scenes work that often goes unacknowledged in the areas of purchasing, facilities scheduling and setup, food preparation and catering, maintenance, information technology, and many more. Thank you to all those who help make this conference possible.

**PROFESSIONAL COURTESY**
Please be considerate by silencing your cell phone and refraining from entering and leaving session rooms during presentations.
Michael Arnzen (Ph.D., U Oregon) is an English professor by day and a horror/suspense writer by night. He holds four Bram Stoker Awards for his often funny, always disturbing fiction. His courses in the English program at Seton Hall run the gamut from expository and creative writing to literary criticism and film history. He has mentored novelists and led graduate writing workshops in SHU's unique MFA program in Writing Popular Fiction since 1999. He served as Humanities Division Chair from 2009-2015 and is currently advising the staff of the campus literary/art magazine, Eye Contact.
**CONCURRENT PANELS: SESSION I (9 – 10 A.M.)**

Location: Wiekamp classrooms, South Hallway

**Physical and Biological Sciences: PTSD Treatments, Detecting Pollutants, and Decomposing Cubes** (DW 1125)

*Moderator: Shahir Rizk*

- P.T.S.D and Preventative Methods
  ALEXIS G HALL (Clark)

- Electrochemical Detection of Estrogenic Compounds Using Palladium Nanoparticle Modified Electrodes
  DAVID AUPPERLE (Muna)

- Developing a Sensitive Stripping Voltammetric Method to Detect Lead in Water and Soil
  ABIGAIL PRAKLET, KEON JONES, JOSEPH WILLIAMSON (Muna)

- Decomposing Cubes into Smaller Cubes
  PHILLIP MARMORINO (Connor)

**Economic Drivers in Society** (DW 1135)

*Moderator: Tom Murphy*

- Who Knew? Economic Analysis of Factors Influencing Health in Select OECD Countries
  STEPHEN M SALISBURY (Valencia)

- Primary Drivers of Auto Loan Default
  ADAM EL-AMMORI (Valencia)

- Measure of Environmental Factors and School Variables on Student Achievement
  VALENTINA PROTASENKO (Zhuang)
The Modern Presidency: Presidential Character, Power, and Social Media (DW 1150)

Moderator: Jamie Smith

Character Counts? How Presidential Candidates Shape Perceptions of their Qualifications in Nomination Speeches
CATHERINE BEHAN (Smith)

The Unitary Influence and Executive Actions of Recent Presidencies
JOCELYN MALMSTROM (Smith)

Presidential Media: How President Trump Won the 2016 Presidential Election Utilizing Free Media
ANDREW BENCSICS (Smith)

German (DW 1170)

Moderator: Jeff Luppes

Ueberblick der Deutschen Geschichte: Eine Schnelle Zusammenfassung vom Millennium
KEVIN GORDON SCHASCHECK II (Luppes)

David und Goliath
JAMES TACHMAN (Luppes)

Applying to Graduate School: Tips and Strategies for Success (DW 1175)

Moderator: Igor Juricevic

The Graduate School Process
FAITH STULL, SHEREE HARRIS, NICK CWIDAK, ANGELINA HERNANDEZ, SARAH WOODS (Juricevic)
POSTER PRESENTATIONS AND BREAK (10 – 11 A.M.)
Location: Wiekamp South Hallway

10 a.m.: View the following posters and speak with presenters while enjoying continental breakfast.

Reactions to Toddlers Throwing Tantrums
LANDRIE JONES (Ritchie)

siblings and Language
GABRIELLE GARVER (Ritchie)

Cognition and Mental Health in Aging Latino Americans
ANGELINA HERNANDEZ (Borshuk)

Changing the Game: Education and Drug Therapy in the Treatment of Chronic Traumatic Encephalopathy
HEATHER N RICHTER (Borshuk)

National Culture’s Causal Effect on E-government Development
JACOB CRYER, ADAM EL-AMMORI (Merhi)

Cybersecurity: Effective Methods to Train End-Users and the Emerging Failures of Business Training
JACOB CRYER, ROMARIC ZOUNLOME (Merhi)

Self-Assembly of Novel Proteins Using Maltose Binding Protein and Engineered fABs.
MAGGIE FINK (Rizk)

The Effects of Metal Cofactors on Adenosine Deaminase Activity
MICHELE COSTANTINO, MAGGIE FINK, SANDY HO (Rizk)

A Sensitive Electrochemical Method to Determine Lead in Water and Soil (Muna)
KEON JONES, JOSEPH WILLIAMSON (Muna)

Effects of SSRIs on Drosophila melanogaster size and locomotion.
NICK CWIDAK (Clark)
CONCURRENT PANELS: SESSION II (11 A.M. – 12 P.M.)
Location: Wiekamp classrooms, South Hallway

Patterns of (American) Culture: New Perspectives on Familiar Behaviors (DW 1125)
Moderator: David Blouin

Beauty is Pain
ANNA DARR (VanderVeen)

Victor Turner and Sports Rituals
ELIJAH BREDEN (VanderVeen)

Rites of Passage in Disney Films Concentrated Through Victor Turner
ASHLEY JANKOWSKI (VanderVeen)

Functionalism: Purpose of Animals in Society
MACKENZIE EDMAISTON (VanderVeen)

The Meaning of Superheroes to American Culture
SARAH FREEL (VanderVeen)

English, Irish Literature, and Tolkien (DW 1135)
Moderator: Jake Mattox

Exploring Self-Fulfilling Prophecy of Historical Stereotypes in Irish Literature
CASSIDY WHITE (Nichols-Boyle)

“I do not love…the warrior for his glory”: Medieval and Modern Warfare in J.R.R. Tolkien’s The Lord of the Rings
MELANIE GARCIA (Chaney and Ellman)

French Translation of Poetry and Children’s Books, Panel I (DW 1170)
Moderator: Anne Magnan-Park and Heather Jones

La traduction de nouvelles: comment surmonter les différences linguistiques et conserver le style de l’auteure
LAURA ASHLEY VANCE (Magnan-Park)

Est-ce que c’est une traduction ou pas?
ADAM METCALFE (Magnan-Park)
Translation for Toddlers
CIARRA BOETTCHER, ALEXIS KRUSZEWSKI (Jones)

Translate for Toddlers
SARAH BULL, ERIN LAMBRIGHT (Jones)

History of the Civil War (DW 1175)
Moderator: Tom Murphy

The Role of Nurses in the Civil War
ALYSSA KURTZ (Murphy)

Building a President: The Election of 1868
JONAS WHITE (Murphy)

Conducting Michigan's Underground Railroad
KAITLIN MANN (Murphy)

The U.S. Civil War in a Global Perspective
KENDON SERVICE (Murphy)

Short Stories about New Mecca, Indiana (DW 1185)
Moderator: Kelcey Ervick

Adventures in New Mecca
ADAM WALZ (Ervick)

Sediment
JOSEPH WALLS (Ervick)

LUNCH (12:15 – 1:15 p.m.)
Location: Student Activities Center (SAC) Rooms 221-225

Speakers
EXECUTIVE VICE CHANCELLOR OF ACADEMIC AFFAIRS JANN JOSEPH
MIKE ARNZEN (Keynote Speaker)
CONCURRENT PANELS: SESSION III (1:30 – 2:30 P.M.)
Location: Wiekamp classrooms, South Hallway

Context is Key: The Study of Society through Symbols and Structures (DW 1125)
Moderator: David Blouin

Underreporting of Domestic violence
ELVIA RODRIGUEZ (VanderVeen)

Wedding Ceremonies and Traditions in Terms of Ritualistic Symbols
RENE KANE (VanderVeen)

How the theory of charismatic authority relates to Varg Vikernes
BLAKE HERWICK (VanderVeen)

Exploring Culture and Identity using Linked Open Data and the Digital Index of North American Archaeology (DINAA)
TAYLOR WILEY (Wells)

Legalization of Medical Marijuana and Cultural Deviance
AMY MAZUREK (VanderVeen)

Creative Writing with Mike Arnzen (Guest Speaker) (DW 1135)
Moderator: Elaine Roth

The Psychology of Underrepresented Populations (DW 1170)
Moderator: Andrew Rusnock

Tactile Metaphor Perception and the LA-MOAD Theory
FAITH STULL (Juricevic)

Campus Sexual Assault: Problems, Obligations, and Solutions
SHELBY ANDERSON, MORANDA FUGATE, EMILY RICHARDSON, AND KAYLA ISENBLETTER (Borshuk)
History of the Civil War and Cold War (DW 1175)
Moderator: Tom Murphy

The Battle for Fort Pillow: A Lingering Legacy of Competing Narratives
SARAH FREEL (Murphy)

Confederate Women: Belles, Soldiers, Dissenters, and Spies
JENNIFER KUCHARSKI (Murphy)

Bread Riots and the Illusion of Stability in the Confederate States
MATTHEW PEARSON (Murphy)

L&N Railroad, a study in Civil War railroads
CHRISTIAN VAN LUMMEL (Murphy)

LIFE amid War: Life Magazine's Impact on American Society during the Cold War
MYA PERRY (Nashel)

French Translation of Poetry and Song, Panel 2 (DW 1185)
Moderator: Anne Magnan-Park

Translating and Analyzing the Poem "Inheritance" into French.
ILHAM DAOUI (Magnan-Park)

The (Borrowed) Voice: Translating Songs with a Focus on Rhythm and Voice
MEREDITH TORRES (Magnan-Park)

What Makes a Poem a Poem? A Few Answers through Literary Translation
EMILY ALKIRE (Magnan-Park)

Ma Mignonne to Little Dove: Translating the Poetry of Clément Marot
JENNIFER KUCHARSKI (Magnan-Park)
**PRESENTATION ABSTRACTS**

**What Makes a Poem a Poem? A Few Answers through Literary Translation**
Emily Alkire

Poetry is like a disassembled puzzle, one has to attempt to piece it back together to make sense of its imagery, tone, style, as well as the voice of the speaker. How does one recreate tone and voice in translation? Is it simply a matter of vocabulary selection? Does the musicality of the selected words play a part in recreating tone and voice? These are just a few of the questions that will be addressed in this presentation. This presentation will be in French.

**Campus Sexual Assault: Problems, Obligations, and Solutions**
Shelby Anderson, Moranda Fugate, Kayla Isenbletter, Emily Richardson

Campus sexual assault is a serious problem across the United States as well as here in the South Bend area. Our research project focuses on the shortcomings and benefits of policies and awareness programs at various IU campuses as well as other universities in the area. The research includes a review of national standards, statistics, and laws. We examined statistics and analyzed prevention efforts and methodologies surrounding sexual assault on college campuses. We found severe deficiencies in the handling of various aspects of the sexual assault issue that plagues universities nationwide. Our project concludes with potential solutions to problems and improvements to existing programs and policies.

**Electrochemical Detection of Estrogenic Compounds Using Palladium Nanoparticle Modified Electrodes**
David Aupperle

Chemical pollution in water is one of the major environmental problems in today’s world. Polluted water poses a threat to the aquatic organisms and human health. The pollutants such as estrogenic phenolic compounds (EPCs) need to be monitored constantly to control their impact on the environment and the ecosystem. These EPCs can be found in fresh water from waste treatment facility effluents as well as agricultural runoffs. Although the concentrations these compounds are typically low in the ng/L range, they have been found to feminize male fish and disrupt human endocrine function. Electrochemical detection provides an alternative to other analytical methods because it has attractive attributes such as high sensitivity, less expensive instrumentation, ease of sample preparation and field deployable. This work utilized the unique properties of electrodes modified with metal nanoparticles. The nanoparticles circumvent the electrode fouling seen on bare electrodes during the electro-oxidation of phenolic compounds. In the present work, glassy carbon and gold electrodes were modified with palladium nanoparticles to catalyze the electro-oxidation of EPCs. The modified electrodes exhibited good catalytic properties, good response precision and stability. For example, 50 consecutive measurements for 100 μM estriol solution using palladium modified gold electrode gave an %RSD of 5.3%, indicating good reproducibility and response stability exhibited by the modified electrode. Future directions will be to couple the modified electrode to flow injection...
analysis and high-performance liquid chromatography. Results from the analytical performance of palladium modified glassy carbon and gold electrodes towards the catalytic oxidation of EPCs will be presented.

CharacterCounts? How Presidential Candidates Shape Perceptions of their Qualifications in Nomination Speeches
Catherine Behan
Questions of what makes a person qualified to run or assume the office of the presidency have long been an issue in campaigns in the modern era and Donald Trump was the first president elected without government experience, and with doubts about his fitness for office. I tested whether recent candidates attempted to burnish the view of their character during nomination speeches and whether voters, who say these issues matter to them, used that information when they cast their ballots. My research shows that candidates do not highlight their own character and voters don’t care. The results offer questions about whether 2017 may be a turning point in how voters judge the character of presidential candidates.

Presidential Media: How President Trump Won the 2016 Presidential Election Utilizing Free Media
Andrew Bencsics
Donald Trump shocked the world when he defeated Hillary Clinton in order to become the 45th president of the United States. While many political scientists and even everyday citizens are still trying to figure out what led to his victory, Trump himself is not asking any questions. According to the President, he would not have won without Twitter and social media. It is possible that President Trump's tweets led him to receive more media coverage and have more public exposure than Hillary Clinton. Tweets from both candidates have been used as data in this paper to determine what effect they may have had on the election.

Translation for Toddlers
Ciarra Boettcher, Alexis Kruszewski
We selected a children’s book that was written in English and then translated it into French. This way children that speak different languages, or are learning, can enjoy the books as well. We will present the book and talk about some of the challenges we faced.

Victor Turner and Sports Rituals
Elijah Breden
Victor Turner describes symbols and how they are used in rituals. He says that symbols are the foundation of rituals. In sports, players, coaches, and fans use rituals before, during, and sometimes after games that they believe will help their team win. Therefore, do these rituals have any effect on the outcome of a game or a season? What are the symbols that are used in these rituals? I will investigate different rituals, and the symbols used in them, in three different sports, baseball, hockey, and football. I will analyze the outcome of games and seasons in which rituals were used to try to
determine how successful the rituals were. I will then compare and contrast rituals and their symbols between the three sports.

**The Effects of Metal Cofactors on Adenosine Deaminase Activity**  
Michele Costantino, Maggie Fink, Sandy Ho

Adenosine deaminase (ADA) is a zinc-dependent enzyme that converts adenosine to inosine as part of the purine degradation pathway. In humans, mutations in ADA are associated with severe combined immunodeficiency (SCID), an often fatal syndrome, due to accumulation of adenosine. This leads to B- and T-cell death, compromising the ability of the patient to fight infections. Previous work has shown that enzymatic activity depends on zinc concentration; however, at greater than 1:1 ratio, Zn2+ can act as a negative allosteric effector of ADA activity. Other divalent cations—such as Co2+, Cu2+, Mn2+, and Cd2+—can act as competitive or non-competitive inhibitors of the purified human enzyme. Additional studies indicate that Hg2+ inhibits crude ADA extracts from zebrafish at high concentrations. To characterize human ADA, kinetic studies with purified enzyme were conducted using direct colorimetric assays. Under optimal conditions, the rate of reaction was used to determine the KM and kcat of the uninhibited enzyme. The KM and kcat values were also obtained in the presence of coformycin, a known competitive inhibitor. The activity of ADA was measured in the presence of various divalent cations and Hg2+ was found to have the most profound negative effect on ADA activity. The inhibition of ADA by Hg2+ was found to be concentration dependent. This is the first study where the effect of Hg2+ on purified human enzyme was determined.

**National culture’s causal effect on E-government Development**  
Jacob Cryer, Adam El-Ammori

E-government has the capability to benefit many people of the world's life, yet it is met with resistance and rejection due to economic, cultural, and political factors. E-government expansion is a risky initiative for governments around the world to successfully plan, analyze, design, implement and operationalize. This risk is seen as a result from globalization, e-commerce exposure, and the increasing need for continuous information provided by nations to their citizens. National culture has contributed to the risk, success, failure, and resistance to e-gov. National culture has been examined by Hofstede. Our research examines literature on national culture and its effect on e-gov adoption with an emphasis on GLOBE factors and their effect on e-gov. Our study utilized linear regression model to predict the causal effect national culture has on e-gov adoption.

**Cybersecurity: Effective Methods to Train End-Users and the Emerging Failures of Business Training**  
Jacob Cryer, Romaric Zounlome

Since the invention of mobile devices (i.e., laptops, smartphones, tablets, laptops, and smart watches), a world of cybercrime and other threats have emerged. Just as these devices were created, so too was the Internet of Things (IoT) and the rapid development of Information and Communication Technologies sped their adoption in new countries with limited infrastructure. These conditions coupled with people who
want infamy, chaos, sabotage and espionage makes cyber awareness and education more important than ever. The obligation falls to capital heavy organizations such as corporations and governments around the world. In this paper, we demonstrate the severity of cybercrime, the need to produce effective training methods, and institute effective cybersecurity programs at the professional level.

**Effects of SSRIs on Drosophila melanogaster size and locomotion.**
Nick Cwidak

A comparison of size (wing length and thorax thickness) and locomotion (linearity and distance) was studied utilizing wild type (+) *Drosophila melanogaster*. The flies were exposed to either a control media or to an SSRI (selective serotonin reuptake inhibitor) infused media (paroxetine). The flies were also separated and compared based on sex due to sexual dimorphism among *Drosophila melanogaster*. A dissecting microscope was used to capture photos of the flies to determine size. Comparisons of size demonstrated that flies that were exposed to the SSRI condition tended to be larger than those that were in the control treatment. Locomotion was tested by allowing the larvae to crawl on an agar dish for a specified amount of time and later tracing the path. The findings suggest that receptors within the serotoninergic system play a role in *Drosophila melanogaster* development.

**Translating and Analyzing the Poem "Inheritance" into French.**
Ilham Daoui

In this presentation, I will focus on the analysis of an author’s style as a necessary step to translate poetry, and more specifically the analysis of the nature and function of metaphors in a poetic text. I will explore these questions through the French translation of Nancy Botkin’s poems “Skates” and “Inheritance” This presentation will be done in French.

**Beauty is Pain**
Anna Darr

“Beauty is pain” is a common phrase all girls hear throughout their lives. It starts with the first time we go to get our eyebrows done, to the first time we shave our legs and cut ourselves. For my project I will examine how the individual’s life is affected by the overarching rules of the culture, particularly American culture and the individual female. By using Ruth Benedict, I will examine the use of common everyday appearance and expectations that females adhere to in comparison to males by examining film media. Benedict's theory of how individual and culture are both simultaneously influenced by each other will be the focal point of my research. By examining how the patriarchal society formed the beauty standards, I will look to how today's more egalitarian society can reshape them, and the ways the patriarchy still influences the individual greatly.

**Functionalism: Purpose of Animals in Society**
Mackenzie Edmaiston

The goal of this paper is to research the purpose of animals, including pets or working animals, and animal protection agencies in the United States. The goal is to discover
why animals and these institutions created for them are important to society. This topic relates to our Anthropological theory course being that it entails using the functionalist theory, introduced by Alfred Radcliffe-Brown and Bronislaw Malinowski, to explain the roles that animal protection agencies, and animals themselves, have in society, and what type of societal needs do they fulfill. This is an interesting topic being that the role of animals differs depending on where one is in the world, and because of the ever-increasing presence of animal welfare groups globally.

The information for this research paper will be gathered by reading previous research studies on the importance of animals in societies, as well as researching what the goals of a variety of animal welfare groups are and any changes that have risen from their involvement in society.

**Primary Drivers of Auto Loan Default**  
Adam El-Ammori

The economic cycle tends to be an indicator of paramount importance when economists predict the next recession. With our last recession being nine years ago, our economy is overdue for a downturn. Based on research, one could hypothesize that America’s next bubble will be in the auto loan industry. Loan sharks are showing signs of predatory lending techniques, preying on disadvantaged American’s with low credit scores to maximize profits. This empirical project researches the primary drivers that indicate the outstanding balances in accounts of auto loans. The dependent variable in this research is outstanding balances of auto loans in The United States. The independent variables in the model include fiscal quarter, fiscal year, GDP percentage by quarter, and credit score interval.

**Self Assembly of Novel Proteins Using Maltose Binding Protein and Engineered fABs.**  
Maggie Fink

Many proteins undergo a large conformational change upon binding to a ligand. This conformational shift can expose protein surfaces previously shielded in the unbound state. A class of proteins that exhibits this conformational change is the bacterial periplasmic binding proteins. Each member of this family of proteins binds to a specific ligand, resulting in a shift from an open (unbound) to a closed (bound) conformation. Maltose binding protein undergoes this conformational change in response to maltose binding and transitions from an open to a closed form. To characterize the thermodynamics of these transitions and lock MBP into specific conformations, synthetic antibodies were designed to bind to MBP and screened in different maltose conditions to target both open and closed conformations. Three of these antibodies were isolated, one of which was found to bind to the open form of MBP endosterically (7O) and the other two, D1 and A1, bind to the closed form allosterically and peristerically. The aim of my project has been to construct a novel protein fusion where MBP and one of antibodies identified in the previous research are fused together. In this way the engineering proteins will potentially self-assemble into a nanostructure in the presence or absence of maltose, depending on the specificity of the antibody to the conformation of MBP. Once each of the three fusion proteins have been successfully cloned, expressed and purified, testing will be carried out to
determine if a higher order complex can form in response to ligand addition or removal as a trigger.

The Meaning of Superheroes to American Culture
Sarah Freel

Americans have been fascinated with super heroes since the Great Depression and WW2. The comic book genre became popular in the late 1930’s with the release of Superman, Wonder Woman, Batman, and Captain America. There have been declines in popularity and resurgences, but comic book heroes have never left the public consciousness or the public imagination. With the release of comic book themed movies, these characters have now reached a wider audience and even greater popularity. What makes them so popular? Delving into the movie versions, I will examine the meaning of Wonder Woman, Captain America, Iron Man and Black Panther. Using the heroes as an archetype of culture, I will use Ruth Benedict’s view of cultural types to link the fictional heroes to the real-life patterns in American culture.

The Battle for Fort Pillow: A Lingering Legacy of Competing Narratives
Sarah Freel

On April 12, 1864, Confederate cavalry commanded by Major General Nathan Bedford Forrest attacked United States troops garrisoned at Fort Pillow in Tennessee. This relatively minor skirmish became significant when African American soldiers were taken prisoner and executed by Forrest’s men. I will establish the role black troops played during the Civil War and in the battle, examine how accounts of what happened match and diverge, and consider why different interpretations continue to this day.

“I do not love…the warrior for his glory”: Medieval and Modern Warfare in J.R.R. Tolkien’s The Lord of the Rings
Melanie Garcia

Heroes such as the exiled king of Gondor Aragorn in Tolkien's The Lord of the Rings, are compared to Arthur, Beowulf and Lancelot. But despite its many medieval characteristics, I argue that, in regard to war, The Lord of the Rings exemplifies a very modern attitude toward war through its heroes. In The Lord of the Rings, Faramir, and even Aragorn to an extent, engage in clandestine combat tactics which prioritize victory over a gaining of renown, while Frodo Baggins illustrates the psychological trauma inflicted by war, that are ignored by medieval texts. Lastly, Tolkien critiques, through the character of Boromir, the impractical pursuit of glory in battle demonstrated in such characters as Lancelot and Beowulf. These modern attitudes toward war, help appeal The Lord of the Rings to a modern audience.

Siblings and Language
Gabrielle Garver

The purpose of this research was to determine whether there is a relationship between the presence of siblings and language. Specifically, I explored birth order of the individual and language development. Because latter born children are born into
families of larger numbers and experience sibling interaction their entire lives, I hypothesized that these individuals would have a more cohesive group identity. Thus, there would be variation in pronoun usage between latter born children, who would use “we” more often, and first born and only children, who would use “I” more often. However, because first born and only children have more adult interaction at a young age, I expected them to have more extensive vocabularies. This study surveyed 50 randomly selected subjects, all students at Indiana University South Bend. The survey required students to identify key information about their siblings and birth order before completing a ten-question college level vocabulary quiz and a short-written response to gauge the use of pronouns.

**Cognition and Mental Health in Aging Latino Americans**
Angelina Hernandez

This work discusses the need for more research and mental health information among Latino Americans. It talks about the different risk factors Latino Americans face in terms of mental health as well as the possible social influences that may be encouraging these circumstances.

**Rites of Passage in Disney Films Concentrated Through Victor Turner**
Ashley Jankowski

For Many people around the world Disney is notorious for their amusement parks, television shows, memorabilia, and most importantly their movies. Over time Disney has become a part of the “magic” that children grow up watching. Although the films are made for, children there are important messages and symbols that are present during these films. Throughout Disney films, the characters face challenges that they must overcome. When overcoming these challenges, the characters are in a state called liminality. This term is in Victor Turner Theory on Rites of passage where the liminal phase is separation of the character goes through a change or separation before reintegrating with their culture. I will be employing the theory by Victor Turner and comparing it to Disney films. More specifically animated Disney films with strong female characters who have similar rites of passage. These similar rites of passage are, for this research only women who must “graduate” from childhood into adulthood by either rising in status through acceptance of born rights or by marriage. This will be a comparative analysis of Pocahontas, Mulan, Frozen, and Moana with a focused lens of Victor Turner. The films chosen for this analysis were selected because they fit the criteria while also having coherent stories.

**Reactions to Toddlers Throwing Tantrums**
Landrie Jones

My study focuses on the possible stereotypes the public has on foster children and adopted children. By identifying any preconceived notions on these children, it will be easier to target and inform the public on them. My study focuses on how strict and stern people are when disciplining children with different familial backgrounds. Three separate variables will be tested: foster children, adopted children, and biological children. The test subjects' responses to two videos depicting toddlers throwing tantrums, and an accompanying description of the children regarding their family
background will give information on possible stereotypes for each group. Following the surveys, the numbers will either show a correlation that depicts a stereotype, or the correlation will not be strong enough.

P.T.S.D and Preventative Methods
Alexis G Hall
Post-Traumatic Stress Disorder (PTSD) is a disorder of the brain caused by physical and/or emotional trauma. This disorder is associated with failure of fear extinction processes, causing a constant state of stress from flashback memories, anxiety, and panic attacks. It ranges on a spectrum of severity. A milder form consists of heightened awareness of the surroundings. However, people with more severe forms experience night terrors, extreme levels of anxiety, and paranoia. Testimonials from many PTSD patients suggest that medical Cannabis may help them deal with these symptoms. I present an overview of the research, focusing on three questions.
1. Role of the endocannabinoid system in anxiety and fear pathways.
2. Evidence for therapeutic benefits of medical marijuana/cannabinoids.
3. Evidence for possible curative/preventative effects.
Implications will be discussed.

How the Theory of Charismatic Authority Relates to Varg Vikernes
Blake Herwick
Varg Vikernes, the most infamous musician of modern times, has created a strong following of fans even after the notorious crimes he created and the radical beliefs he holds. The question I will be answering is how has Varg Vikernes used the theory of charismatic authority, created by Max Weber, to create a following of people who believe he was justified in his crimes or sometimes even being innocent of some of them. I have always been interested by how Varg Vikernes has created this following of fans, and there is plenty to be said about this subject by looking at his crimes and beliefs and seeing how his fans react as well as using the works of Max Weber to help understand what charismatic authority is and how Varg Vikernes uses it on people.

A Sensitive Electrochemical Method to Determine Lead in Water and Soil
Keon Jones, Joseph Williamson
Lead is one of the most toxic heavy metal in the environment. Its presence is due to human activities such as the use of leaded gasoline before it was banned and lead in paint in older homes. Lead poisoning can cause a number of adverse human health effects but it’s particularly detrimental to the neurological development of growing children. Therefore, frequent testing and precise monitoring of Pb in the soil and water is important to assess and control lead contamination. We hereby report on developing a sensitive electrochemical method by using glassy carbon electrodes modified with bismuth nanoparticles (GC-BiNPs) to detect lead in drinking water and soil. Preliminary results show that with GC-BiNPs can detect low levels of lead down to 1 parts per billion in water. The developed method will be employed to detect lead in drinking water and soil. Preliminary results on the electrochemical method development will be presented.
Wedding Ceremonies and Traditions in Terms of Ritualistic Symbols
Rene Kane

For my Theories in Anthropology class, I have been tasked with examining a social phenomenon from a theoretical anthropological perspective. I have chosen to discuss wedding ceremonies and traditions in terms of Victor Turner’s theory of ritualistic symbolism. Weddings are an important social construct within many cultures around the world, and there are many symbols that we associate with the process of getting married. In my project, I will be referencing Turner from in-class readings to provide quotes and relevant information on symbolism and rituals and relate that information to the topic of my presentation; weddings. I will discuss the origin and history of wedding ceremonies and the ritualistic nature of them, as well as how certain symbols associated with weddings have evolved over time. Since symbols are not timeless entities, as Turner would say, it’s important to examine how a symbol, such as a wedding ring or a white dress, may have changed meaning over time. It’s also possible that symbols in weddings can have multiple meanings simultaneously or mean different things to different groups of people. These are topics I will analyze in my project, as well as search for dominant, instrumental, and multivocal symbols within wedding traditions. The main focus of my presentation will be on contemporary American weddings, but I also want to examine the wedding rituals and symbols in different cultures and compare them to our own traditions. The ultimate question I will be trying to answer in this project is why we assign certain meanings to the symbols associated with weddings, and how have those meanings evolved with time?

Confederate Women: Belles, Soldiers, Dissenters, and Spies
Jennifer Kucharski

This presentation will examine the myth of the Confederate woman as a gentle, demure, and patriotic lady by focusing on historical accounts of women who lived during the time period. The ideal of Southern womanhood in many ways was just an ideal. Not all women were capable of conforming to it and many chose not to. The pervasive stereotype of the Southern Belle was immortalized by Southern historians after the war who popularized the idea of the Lost Cause and further cemented in public consciousness by films like Gone with the Wind. Women like Mary Chesnut, Sarah Pritchard, and Maria Boyd all defied the stereotype of the Southern Belle in their own ways and serve as examples of the varied women who called themselves Confederates.

Ma Mignonette to Little Dove: Translating the Poetry of Clément Marot
Jennifer Kucharski

This presentation will focus on the methods used to translate a 500-year-old French poem written by poet Clément Marot into English. Preserving the integrity and meaning of the poem is critical and the style and voice must be considered in conjunction with word choices to create an accurate translation. However, word choice can often be one of the most difficult parts of translation because words can alter the musicality, tone, and voice. The original poem, as well as two translated versions, one faithful to the style of Marot and one more liberal and playful will be examined as part...
of the presentation to illustrate how the choices and methods of a translator can affect the meaning of a translated work. This presentation will be given in French.

The Role of Nurses in the Civil War
Alyssa Kurtz
The Civil War was one of the bloodiest conflicts in American history, and the role of women as nurses became increasingly important. They helped soldiers heal from their wounds and deal with emotional issues caused from the war. Many soldiers, for example, lost arms or legs, and nurses helped them overcome the obstacles they were about to face. The significance of nurses during Civil War made an incredible impact not only on soldiers’ lives but on women’s history.

Translate for Toddlers
Erin Lambright, Sarah Bull
We selected a children’s book about dinosaurs and proceeded to translate it from English to French. We first present the book, then do a bilingual reading of our finished product, and finally discuss some challenges with translating alliterations, verbs, numbers, and the process of transcription. Our final product is an appealing bilingual book which will be donated to a local francophone family.

The Unitary Influence and Executive Actions of Recent Presidencies
Jocelyn Malmstrom
Many conclude that the content of executive actions does not carry the weight of a unitary authority since public opinion and statistical data of action execution are highly regarded to monitor the presidency throughout its duration. In some of these cases, it is further concluded that, because of the massive growth of agencies within the executive branch, a unitary authority is not able to exhibit the control necessary to be unitary. The following research will challenge that conclusion. Based on the use of executive orders, presidential memos, and signed laws, I will analyze the First 100 Days in office. The posed question is: during the First 100 Days in Office, what have presidents done to execute administrative policies through the executive branch, and how many have been successful? Success is analyzed by legislative productivity based on campaign promises of Ronald Reagan, Bill Clinton, Barack Obama, and Donald Trump. These presidents have been chosen as a sampling of eras (80’s, 90’s, 00-10’s, and present). My theory is that as presidents have become a public persona, the recent presidency has enacted more campaign promised policies through executive orders than past presidents in their First 100 Days.

Conducting Michigan's Underground Railroad
Kaitlin Mann
This presentation will explain the roles of the individuals of Michigan's Underground Railroad, and how their actions helped fugitive slaves find freedom. The study focuses on key events that occurred in this area before the start of the Civil War, as well as key stations, they people who were a part of them, and the role that religion and gender played in the institution.
Decomposing Cubes into Smaller Cubes
Phillip Marmorino

Tiling problems consist of a large group of problems in which a geometric object is decomposed, or tiled, into multiple smaller objects which fit together perfectly. An example is the tiling of the plane into identical regular polygons: only equilateral triangles, squares, and hexagons can tile the plane without gaps. One lesser-known tiling problem is the decomposition of n-dimensional cubes into smaller n-dimensional cubes. An n-dimensional cube cannot be decomposed into all integer numbers of cubes. For example, a 3-dimensional cube cannot be decomposed into between 2 and 7 cubes or between 9 and 14 cubes. However, it can be decomposed into any number of cubes greater than 47. It follows that there is some largest number for which a 3-dimensional cube cannot be decomposed into that number of smaller cubes. This behavior extends to other dimensions so that an n-dimensional cube can be decomposed into any sufficiently large number of cubes. For an n-dimensional cube, this number, plus 1 is referred to as c(n). Thus, an n-dimensional cube can be decomposed into any number of cubes greater than or equal to c(n). This number c(n) is unknown except for 1-dimensional and 2-dimensional cubes (the line and the square, respectively). In our research we explore the value of c(n) for a general n-dimensional cube. We prove that c(n) > 2^(n+1) - 2 for n ≥ 2, improving on an earlier result that c(n) > 2^n + 2^(n-1) - 1. We also show c(n) < e^2 n^n if n+1 is not prime and c(n) < 1.8 n^(n+1) if n+1 is prime, improving earlier upper bounds.

Legalization of Medical Marijuana and Cultural Deviance
Amy Mazurek

Why is there hesitation to legalize medical marijuana in the United States? Individual states are writing and voting on their own legislation regarding the use of marijuana for medical purposes, such as treatment for epilepsy, cancer, and many other diseases. As of January 8, 2018, twenty-nine states and Washington DC have legalized cannabis for medical purposes, eight of those states and Washington DC have legalized for recreational usage, and thirteen states have voted and failed to pass laws regarding legalization for medical usage. In order to understand why these laws pass or fail, we need to gain more knowledge about the insights and attitudes of those who are voting. This study is a quantitative examination of factors that influence views regarding medical use of cannabis including education, previous use, and the knowledge of medical benefits, and how Ruth Benedict’s view of deviation from cultural norms and the individual’s behavior would apply to current views of legalization. The eleven-question survey was conducted in person, of 101 adults over eighteen years of age, and was confidential and anonymous. The results of the survey indicate there is a direct correlation between the belief that marijuana has medical benefits and the support of legalization. There is also a correlation between political views and views regarding legalization. Lastly, the survey findings show a direct correlation between a lack of concern that medical use will lead to recreational use and supporting legalization of marijuana for medical purposes.

Est-ce que c'est une traduction ou pas?
Adam Metcalfe
Cette présentation portera sur la traduction de "Ma mignonne" un poème de Clément Marot (1496-1544). Nous commencerons avec un bref résumé de la vie de Marot. Ensuite, nous pencherons sur les difficultés que présentent la traduction du poème "Ma mignonne" à prendre compte la langue utilisée dans le XVIème siècle et la façon dans laquelle le poème est écrit. Nous parlerons de la différence entre la traduction et l'interprétation d'un texte, où une termine et l'autre commence et comment la division entre les deux peut exister quelque part différent selon des personnes différentes. Pour exprimer ces différences, Nous utiliserons des exemples de traduction et interprétation du présentateur et de l'œuvre de Douglas Hofstadter qui s'appelle "Le Ton beau de Marot". Dans cet œuvre, Hofstadter présente une variété des écritures qui vient de "Ma mignonne".

Cette présentation se concentrer sur l'usage de ton, de voix et de style dans un poème et les façons des traduire/interpréter et comment on peut les changer un peu pour arriver à une traduction ou une interprétation.

**Bread Riots and the Illusion of Stability in the Confederate States**  
Matthew Pearson

The Confederate States of America fought for survival after their split with the United States, and faced hardship almost every step of the way. They hoped to hold out long enough that the Union would lose faith in the war and let them go on their way. One means of whittling down Union morale was the effort to control outgoing information to hide the difficulties the Confederacy faced and obfuscate the extent of Union success. By examining newspaper and diary reports on the Richmond Bread Riot in 1863 I aim to show that the Confederacy managed to maintain an appearance of greater stability than it possessed, but also that the Bread Riot marked the failing of the system over time as more reports leaked out.

**LIFE amid War: Life Magazine's Impact on American Society During the Cold War**  
Mya Perry

My presentation will highlight the importance of Life Magazine during the Cold War in America. Life played a critical role in keeping Americans informed about world news, wars, and domestic affairs in a time where mass media was beginning to flourish. I will provide pictures and original articles published during the Cold War to illustrate their impact on American Society.

**Developing a Sensitive Stripping Voltammetric Method to Detect Lead in Water and Soil**  
Abigail Praklet, Keon Jones, Joseph Williamson

Lead is one of the most toxic heavy metal in the environment. Its presence is due to human activities notably, lead in gasoline, lead-based paint, lead-containing pesticides, lead in ammunition and sinkers, and incinerator ash or water from lead pipes. Lead poisoning can cause a number of adverse human health effects, but it is particularly detrimental to the neurological development of growing children. Therefore, frequent testing and precise monitoring of Pb in soil and water is important to assess and control lead contamination. We hereby report on developing a stripping voltammetric method using glassy carbon electrodes modified with bismuth nanoparticles (GC-
BiNPs) to detect lead in drinking water and soil. Voltammetric stripping measurements have historically utilized mercury in the forms of hanging mercury drop and mercury film electrode to measure heavy metal ions. This is mainly because clean surfaces can be easily be regenerated with a new mercury drop. However, because of mercury toxicity and risks associated with its disposal its use as an electrode material for stripping measurements is severely restricted. We’re utilizing the unique properties of bismuth such as its ability to form alloys with different metals, to develop a sensitive method to detect lead. Preliminary results show that using GC-BiNPs we can detect low levels of lead down to 1 parts per billion in water. The research findings on the stripping voltammetric method development will be presented.

Measure of Environmental Factors and School Variables on Student Achievement
Valentina Protasenko
The Research studies and measures the effects of a student's environmental factors such as the percent of adults with higher education and income levels at the state level, and the strength of school variables to counteract the effects of a negative environment. The research asks what the most cost-effective way is to achieve better student achievement, measured by average state SAT scores.

Changing the Game: Education and Drug Therapy in the Treatment of Chronic Traumatic Encephalopathy
Heather N Richter
Chronic Traumatic Encephalopathy (CTE) is a neurodegenerative disease which is found in individuals who have had one or more significant injuries to the head and neck. In the past decade, CTE has been established in several National Football League players, as well as many other professional sports arenas. The notoriety began when a famous retired NFL player was found to have committed suicide, after a significant history of substance abuse, and progressing signs and symptoms of psychiatric impairments. While focusing on education and drug therapy for individuals at high risk of this disease, there is potential for the individual to have a healthier, prolonged life with minimal risk to suicidal attempts, domestic abuse, and a reduced risk of substance abuse. The incorporation and development of tau-aggregation inhibitor drug therapy can possibly lead to slower progression of symptoms of CTE, similar to the treatment of Alzheimer’s or dementias. Education is also a major concern among parents, coaches, and players of contact-sports. While contact-sports has been the primary media-focused region, there are other populations in which this disease also has severe effects, including: military personnel, domestic violence victims, and serial and mass murderers. While many other psychosocial and socioeconomic factors play a role in these populations, CTE education and therapies must be made available to all populations, for further understanding and treatment of this quickly progressing and deadly disease.

Underreporting of Domestic Violence
Elvia Rodriguez
I intend to address the underreporting of domestic violence in terms of the social negative impact which is conducive in perpetuating the inaccurate historical
perception that modern society can manage this type of social dysfunction. The statistical data listed will reveal the tangible evidence that shows only a small view to a more extensive and potentially destructive social phenomenon called, domestic violence. It is a problem generally hidden from view, a build-up of historical social factors, with a wider hidden mass underneath “normal” social structures, like an iceberg. Since each culture, has its own specific context in how it deals with domestic violence, anthropology studies can help solve us find out why is not acceptable in some cultures to report domestic violence. My theory is that most victims fear being socially shunted more than seeking relief instead of a social failure to address the problem. We also know that it is not a popular topic easily discussed in public, due to its many negative connotations and social unacceptability, yet we need not to rely alone on faulty statistical data to managing domestic violence socially, culturally and legally, For those same reason I conclude that domestic violence needs to be treated differently according to the context within each separate culture, and anthropology is the perfect investigative tool that can help us understand the many different reasons behind the pervasive social curtain that impedes humans from reporting domestic violence, to begin calling ourselves modern societies, not victims of domestic violence.

Who Knew? Economic Analysis of Factors Influencing Health in Select OECD Countries
Stephen M. Salisbury

In an attempt to identify where the U.S. stands in terms of providing its citizens with the most support in pursuit of life, liberty, and happiness, at least in terms of health, I chose to look for data points that might provide numerical insight. Using the tools of statistical analysis and econometric theory, my goal was to show through a simple linear regression model, the influence certain factors have on isolated measures of overall health within the 18 of the 20 OECD member nations including the United States. The research question I attempted to answer was, “Does the amount spent on health in a country have a significant influence on overall health in terms of life expectancy and/or infant mortality rates in countries that share similar economic and political structures as the U.S.?” During the process of my analysis, I discovered that the amount of administrative costs within the per capita health care expenditure exerts the greatest amount of influence on the dependent variables I examined. Using these two common indicators of overall health, I show that as administrative costs increase, overall health in a nation decreases. The motivation for confirming this is to provide statistically significant evidence supporting future ongoing advocacy in favor of a single-payer health care plan for the U.S.

Ueberblick der Deutschen Geschichte: Eine Schnelle Zusammenfassung vom Millennium
Kevin Gordon Schascheck II

Germany is one of the youngest countries in Europe and possesses some of the richest history in the world. From the birth of Protestantism to the horrors of the 20th century, Germany has gained a reputation that is both famous and infamous. Other topics to be discussed will be the Crusades, the Holy Roman Empire, and some of the various political dramas which plagued Germanic regions throughout the last millennium. While the country has found itself in the center of nefarious conflicts in the past, it is
now an industrial hub led by Chancellor Merkel and is well-known for its progressive stance on refugees and vibrant economy.

The U.S. Civil War in a Global Perspective
Kendon Service
The U.S. Civil War is generally thought to be a continental-style war. While this is true, there were conflicts within the U.S. Civil War that spanned the globe and even sprouted altogether unrelated campaigns which were contemporary with the Civil War. Perhaps the hunt for the C.S.S. Alabama was the most dramatic of these, taking one Union ship, the U.S.S. Wyoming completely around the globe, and seeing another, the U.S.S. Kearsarge sinking the Alabama off the coast of France. While the overall minor naval campaign did not have a major impact on the Civil War, it demonstrated that the Civil War was more of a global affair than perhaps otherwise noted.

Tactile Metaphor Perception and the LA-MOAD Theory
Faith Stull
A picture can contain literal information as well as metaphorical information. The LA-MOAD theory states that, for vision, literal information is processed additively, while metaphorical information is noncumulative. Does this occur for tactile pictures as well; pictures that you view using touch (e.g., raised line drawings)? According to the vision is touch theory, touch and vision work similarly, which would mean that literal and metaphorical picture information should be understood the same in both touch and vision. However, the visual-mediation theory states the opposite and believes that vision and touch work differently. We presented tactile images of a person running using different combinations of literal information (ground plane, orientation, and posture) and metaphorical information (action lines and multiple images) and asked participants to rate how well each image depicted “running”. Results suggest that, unlike vision, touch processes metaphorical information additively, especially when added to a single metaphor. Implications for displays for the blind (e.g., accessible art in a museum) will be discussed.

The Graduate School Process
Faith Stull, Sheree Harris, Nick Cwidak, Angelina Hernandez, Sarah Woods
We will discuss the grad school application process. This conversation will include topics such as the GRE, how to narrow down your school options, CVs, personal statements, recommendation letters, extracurriculars, etc. The presentation will provide a wide overview. Essentially, we are attempting to prepare students who are interested in attending graduate school, but who are also overwhelmed, inexperienced, or even just curious about how to apply to graduate school. This panel will be run by Psi Chi and the Psychology Club.

David und Goliath
James Tachman
Growing up I participated in almost all of the same activities as my sister. When seventh grade started, and an abundance of extracurricular sports became available, I
was immediately drawn to wrestling. Given a chance to prove to my dad I was just as good at sports, I leaped at the opportunity. It wasn't until my school competed against our rivals that I realized my choice to participate in wrestling may have been pursued for the wrong reason. That day I faced my most difficult competitor, as well as my last during my wrestling tenure. This is a short personal narrative about my one and only win when I wrestled in seventh grade and will be performed in German.

The (Borrowed) Voice: Translating Songs with a Focus on Rhythm and Voice
Meredith Torres
Translating a song comes with its own set of challenges which stem from its focus on rhythm. But has one done justice to a song by simply adhering to a specific syllable count? What other factors contribute to the melodic delivery of lyrics in translation? We will discuss these questions by focusing on a song entitled "Even in the Dark" by local band After Ours and local singer Brittany Lee Moffitt. This presentation will be delivered in French.

L&N Railroad, a Study in Civil War Railroads
Christiaan Van Lummel
The paper I will be presenting for the URC is my research paper on the L&N railroad and its impact during the Civil War.

La traduction de nouvelles: comment surmonter les différences linguistiques et conserver le style de l’auteure
Laura Ashley Vance
La traduction de nouvelles peut être une tâche aussi gratifiante que difficile. Nous nous attacherons à analyser la reproduction de la signature stylistique d’un auteur en traduction. Pour cela, nous analyserons plusieurs techniques littéraires utilisées par Kelcey Ervick Parker dans sa nouvelle « I Heard a Fly Buzz » et comment nous proposons de les aborder.

Sediment
Joseph Walls
Exploring the ideas of modern fiction, this story was included in a collection of short stories revolting around the town of New Mecca, Indiana. In my story, I explore the idea of expectations and reality. Moreover, the choice a fallen hero has to make between staying in a town with nothing to offer for comfort or leaving and risking everything dear to him. Simultaneously I tell the story of two star crossed lovers making their way through an endless night.

Adventures in New Mecca
Adam Walz
In this short story, we follow a period in June Taylor's life after losing her parents and being left to live in the town's orphanage. June is a loud-mouthed young teen girl who feels constrained to a life she doesn't want to live, while dreaming of what her life should have and could have been if her parents were still in the picture. June's imagination for and connection to the outside world are the only things she has left.
Exploring Self-Fulfilling Prophecy of Historical Stereotypes in Irish Literature
Cassidy White

The Irish have a long history of attempting to mold themselves to what is expected of them in order to get by, conforming to stereotypes, such as partaking in excessive drinking, in order to fashion themselves in a way that allowed them to remain safe from, or overlooked by, their English neighbors in the nineteenth century. Eventually, these stereotypes become a self-fulfilling prophecy for many Irish people, and while they can be useful at times, they are harmful when these individuals are doubting their identity because of them. In Roddy Doyle’s “Home to Harlem” (2007) the main character, Declan’s (a black Irishman), internalization of outsiders’ stereotypes leads him to question his connection with his Irish culture. Englishman Robert Bell’s historical description of the Irish people in “Document B” (1804) and Irish author William Carleton’s “Condy Cullen and the Gauger” (1846), where a young Irishman outwits the English gauger by playing into his stereotypes, shows the origins of these damaging perceptions of the Irish. “Home to Harlem” then demonstrates how these stereotypes can still be problematic in modern times for the Irish when one takes into consideration the pressure that is placed on an entire culture to prove they can be more than that, or that they can be exactly that. These stereotypes can cause a sort of disconnect from one’s culture, and it is important to see how they can impact not only the way one views his/her own culture, but the false view that is given to other cultures.

Building a President: The Election of 1868
Jonas White

Ulysses S. Grant, hero of the Civil War, and 18th President of the United States. Yet beyond these accomplishments swirl rumors of alcoholism, anti-Semitism, and questions of intelligence. After the Civil War, America was broken, desperate for a leader that would be able to put it back together. Ulysses S. Grant was the man for the job, but how did a self-sacrificing Union General make the transition into President of the United States? Look deeper into the events and people surrounding the first election of the Reconstruction era, and Grants first months transitioning from a war hero, to a peacekeeper.

Exploring Culture and Identity using Linked Open Data and the Digital Index of North American Archaeology (DINAA)
Taylor Wiley

In the United States, the most common format for expressing archaeological site numbers is the Smithsonian Trinomial. Trinomials are expressed as alphanumeric intelligent keys that point to a site’s state and county. Upon first glance of a Trinomial, it is difficult to know its spatial and cultural context. The Digital Index of North American Archaeology, Linking Sites and Literature (DINAA LSL) project uses Linked Open Data principles to link Trinomials to their greater contexts. Previous development on the DINAA LSL involved text mining of Trinomials from the most recent decade of American Antiquity on JSTOR. Text mining was performed not only on the body text of the articles, but also on tables and figures. This paper demonstrates
how using Linked Open Data principles can put Trinomials into a greater geocultural context. In turn, by putting site numbers into these contexts, it opens up using DINAA LSL to explore the archaeological communication of past indigenous identities in North America from within the literature by providing a unique way to conduct initial library research of the literature. With these Trinomials linked to related literature, it is possible for users to start their research by creating queries related to cultural concepts, branching out to literature about archaeological sites. By linking Trinomials to their contexts, they are made less abstract. As such, Trinomials grow from mere site markers into a linked term gateway that can be used to investigate the cultures and identities of past peoples.
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