2015 Indiana University South Bend Undergraduate Research Conference

Friday, April 17, 2015

Conference Program and Abstracts

Schedule

8:00 – 9:00 am  Registration  Wiekamp Hall (DW) main hallway

9:00 – 10:00 am  Panel Session I  DW classrooms 1150–1190

10:00 – 11:00 am  Poster Presentations and Coffee Break  DW main hallway and south hallway

11:00 – 12:00 pm  Panel Session II  DW classrooms 1150–1190

12:15 – 1:05 pm  Lunch  SAC Meeting Rooms 2nd Floor

1:15 – 2:15 pm  Panel Session III  DW classrooms 1150–1190
Welcome Message
Welcome to the 2015 IU South Bend Undergraduate Research Conference! Whether you are student, staff, faculty, friend, visitor, or family, you have a wonderful day of intellectual and creative engagement ahead of you. Our call for submissions received another incredible response this year, and the conference features the research and creative activity of more than 90 students, organized into 22 panels and 10 poster presentations.

This year’s conference features a wide range of topics and methods—from the psychology of selfies to the mysteries of dark matter. We hope that, as an interdisciplinary conference, the different perspectives and voices we all bring will contribute to the development of knowledge. So, as you attend panels and the poster session, remember to ask questions and engage with the other presenters at this year’s conference. These conversations lead to more research questions, and perhaps, more answers to the puzzles we all confront in our disciplines.

Acknowledgments
The organizers of this conference (Anne Magnan-Park, Grace Muna, Yuri Obata, Zach Schrunk, Jamie Smith, Alison Stankrauff) would like to congratulate and thank all of 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.

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. Our gratitude to all who have provided, and continue to provide, important assistance that makes our scholarly work possible.

Professional Courtesy
Please be considerate by silencing your cell phone and refraining from entering and leaving session rooms during presentations.
CONCURRENT PANELS: SESSION I (9 – 10 A.M.)
Location: Wiekamp classrooms, South Hallway

The Importance of Communication Research (DW 1170)
Moderator: Kari Wilson

Why Research in Communications is Important
BRONSON BORNTRAGER (Wilson)

Communication Studies Research
RYAN LOHMAN (Wilson)

The Best Public Relations Plans Start With Quality Research
DONALD BROWN (Obata)

Organizational Communication Research
CHRISTINE AIKEN (Wilson)

The Economics of Immigration, Education, and Management (DW 1175)
Moderator: Zach Schrank

What is the effect of immigration on new business creation?
AARON MEDLIN AND GIHOON HONG (Hong)

Growth beyond the CEO Office: Analyzing the Relationship between CEO’s Growth Initiatives and the Growth of the Firm
HANNAH VAN (Tobey)

An Examination of the Effect of Immigration on Income Inequality: A Gini Index Approach
BRIAN HIBBS (Hong)

My College (Re)Fund: Is the price of Higher Education Too High?
CHRISTOPHER WILLIAMS (Mattox)

Constitutional Struggles and Conflict (DW 1135)
Moderator: Lisa Zwicker

“goose-stepping, baby killing educated gorillas”: The Use of Stereotype in Public Rhetoric During World War I
JASON ROSE (Zwicker)

The Truths Behind Tlatelolco ‘68
KEVIN HERNANDEZ (Froysland)
Constitutional Origins of the American Revolution  
WAMIQ MOHAMMAD (Willig)

Die neue Frau: A comparative study of the New Woman and the Jewish New Woman in Central Europe  
MADDIE KINDIG AND JASON ROSE (Zwicker)

**The Search for Dark Matter** (DW 1150)  
Moderator: Rolf Schimmrigk

Robust Acoustic Transducers for Bubble Chambers  
JONATHAN WELLS (Levine)

Increasing the Efficiency of Image Analysis Software Used for a Dark Matter Detector  
ALEXANDER LECLAIR (Levine)

How Varied Piezo Geometry and Composition Effect Acoustic Sensitivity  
HALEY BORSODI (Levine)

**Mood Music: Learning, Memories, and Mood** (DW 1185)  
Moderator: Cathy Borshuk

The Effects on Math and Reading Test Performance while Listening to Lyrics, Instrumental Music and White Noise  
DIANA HERNANDEZ (Juricevic)

Preferred Music to Enhance Memory  
GABRIELLE YOST (Juricevic)

Effects of Mood State upon Musical Preferences  
GEOFFREY TROWBRIDGE (Juricevic)

Effect of Stress and Anxiety on Academic Performance  
MANDI BOWSER (Juricevic)

**Spanning the Continent (and Beyond): Considering European History** (DW 1190)  
Moderator: Hayley Froysland

Why is the Italian Enlightenment Neglected?  
BRENDAN BECK (Froysland)
The King that Would Not Be: A Brief Look at the Abdication Crisis of 1936
SAMANTHA GREULACH (Zwicker)

The man who saved the Army
JOSEPH RZEPNICKI (Froysland)

Excommunication and the Investiture Controversy
PHILIP MELIN (Froysland)

Translating French Poetry and Pop Songs 1: (DW 1125)
Moderator: Anne Magnan-Park

Study of Translation in French Poetry
ADAM METCALFE (Magnan-Park)

The Choice to “Kiss Me”
HOPE CELMER (Magnan-Park)

Stratégies de traduction dans la poésie de Prévert
NIALL GARVIN (Magnan-Park)

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.

Identifying relatedness within the Umtiza (Fabaceae) clade by amplifying and analyzing sequence data of two low copy nuclear genes, AT103 and SHMT
CHANTEL SHORES AND RIDWAN JOJO (Schnabel)

Creating A Future: Employment for Ex-Offenders
STEPHANIE CUKROWICZ (Blouin)

Stress Accrued by Visiting the Dentist
MICHAELA KAPALA (Ritchie)

A Framework for the Interpretation of Metaphoric and Literal Size Depictions in Comic Books
CHRISTOPHER CRAWFORD (Juricevic)

Realism and Metaphor in Comics
SARAH RATKIEWICZ (Juricevic)
Memory and Emotion: Effect of Political Partisanship  
RACHEL JHALA (Costello)

Testing an Indium Matching Layer for Acoustic Transducers  
EMILY MANN (Levine)

Ageism: Implicit and Explicit Perceptions in Young Adults  
KELSEY CATALDO (Costello)

The Effects of Age and Experience in the Workplace: The Differential Effects for Older Adults  
KATHERINE HOOPER (Costello)

Studying the Evolutionary History of the Umtiza (Fabaceae) Clade Using the Low Copy Nuclear Genes EIF3E and AIGP  
RIDWAN JOJO (Schnabel)

**CONCURRENT PANELS: SESSION II (11 A.M. – 12 P.M.)**  
Location: Wiekamp classrooms, South Hallway

**Translating French Poetry and Pop Songs 2** (DW 1125)  
Moderator: Anne Magnan-Park

- Our Father: A Translation of “Pater Noster” by Jacques Prévert  
  ADAM SCHELLE (Magnan-Park)

- Translating Boris Vian’s Song, “J’suis Snob”  
  SHARON BRINKER (Magnan-Park)

- An Examination of Translation in Prévert’s “Chanson des Escargots qui vont a l’enterrement”  
  MYRNA HAAS (Magnan-Park)

- “Le Contrôleur”  
  LISA POELZLER (Magnan-Park)

**Physics Roundtable: Exploring the Pressure-Induced Freezing of H2O-Rich Fluids into Various Ices** (DW 1180)  
Moderator: Henry Scott

Student presenters:

- DANNY WORKMAN

- LEIGHTON SCHMITT
ERIC KRONE

CODY BARTALONE

Sociological Approaches to the Everyday (DW 1190)
Moderator: Jay VanderVeen

What Size and Type of Businesses Conduct Background Checks?
STACEY MOTZ (Blouin)

Juxtapositions Within an Assisted Living Facility
BRANDI MOREHOUSE AND LAUREN JANKOWSKI (Schrank)

Steven Soderbergh: The Problematic Immigrant
STACIE BALENTINE (Gerken)

Twentieth Century African-American Literature and the Construction of Race and Gender (DW 1150)
Moderator: Benjamin Balthaser

Or Does it Explode?: The Construction of Masculinity through Resistance of White Power Structures in A Raisin in the Sun
KRISTA COX (Balthaser)

Between the Takers and the ‘Tooken’: Analyzing Shifting Masculinity in Lorraine Hansberry’s A Raisin in the Sun
NICOLAS WORT (Balthaser)

The Reinvention of Whiteness: A New Social Paradigm for Racial Construct in a Postmodern World
GLENDY X. MATTALIA (Balthaser)

Professional Writing (DW 1185)
Moderator: Brandi David

Smart Driving Rewards: Developing a Safe Driving App
GABRIELLE PECSI, PAUL AVOAKA, JOHN HURTT, AND MIRNES TURSUONOVC (Cubelic)

The Proposal of the Feasibility to Implement Semester At Sea
avery smith and kelsey carmack (Cubelic)
Creative Writing and Nonfiction 1 (DW 1135)
Moderator: Clayton Michaels

“Marine World. Africa. USA.”
CHRISTOPHER CRAWFORD (Ervick)

A Cycle of Several Sides
BROOKE PLUMMER (He)

Billionaire Poetics
LUCAS BURKETT (Lee)

“Everything I Know About Politics I Learned from Aaron Sorkin”
JORDAN RAE LUCAS (Ervick)

Race, Gender, and Sexuality in a Historical Context (DW 1175)
Moderator: Hayley Froysland

Media Hysteria and Racial Myth: Miscarriage of Justice in Luis Valdez’s “Zoot Suit” and Ken Burns’s “The Central Park Five”
SETH UMBAUGH (Balthaser)

Becoming Public: The Change of Women in the 19th Century
EMILY KENSINGER (Froysland)

Reparations: A Necessary Evil
STEPHEN SALISBURY (Schrank)

Then and Now: The Origins and Development of the LGBT Community in South Bend
BENJAMIN WINELAND (Froysland)

Memory Recall and Media Effects (DW 1170)
Moderator: Jamie Smith

Hemispheric Encoding of Memories
KAYLA STRAUB (Juricevic)

Effect of Fun and Enjoyable Content on Working Memory
RYAN TUSZYNSKI (Juricevic)

Memory Recall Comparing Media: Print vs. Electronic Texts
ASHLEA ROMANO (Juricevic)

Learning and Digital Media
JOSEPH BAIRD (Juricevic)
LUNCH (12:00 – 1:05 p.m.)
Location: Student Activities Center (SAC) meeting rooms, 2nd floor

CONCURRENT PANELS: SESSION III (1:15 – 2:15 P.M.)
Location: Wiekamp classrooms, South Hallway

Creative Writing 2 (DW 1150)
Moderator: Erinn Kelley

“Offensive Help”
NEIL KING (Ervick)

“Vincent”
CHRISTOPHER WILLIAMS (Ervick)

“Born Naked”
NIALL GARVIN (Ervick)

“La Canoa Internacional”
GLENDY X. MATTALIA (Ervick)

Under the Sea?: From Melville to Disney Protagonists (DW 1125)
Moderator: Jake Mattox

“Noah’s Flood Is Not Yet Subsided”: Moby Dick as a Reassessment of Transcendentalist Values
ANDREW CORPORON (Mattox)

Disney Movies According to Turner
CYNDAL MATEJA (VanderVeen)

Larger Than Life: The Mythological Kentuckian and Moby Dick
KEVIN BOWMAN (Mattox)

Identify Your Identity
RACHAEL GRAVELIN (He)
Building Better Communities (DW 1135)
Moderator: David Blouin

- Putting the Community back into Community Development
  DERICK BRADY (Schrank)

- A City in Crisis
  AMANDA CROCKETT (Smith)

- Protected Bike Lanes: Safety Lessons from Portland
  CRYSTAL GEE (Smith)

- A Survey on Punishment in Individuals with Autism
  AMANDA DORMAN (Juricevic)

Taking Stock of the Surroundings (DW 1185)
Moderator: Jamie Smith

- Personality and Color Perception
  GABRIELLE RILAND (Juricevic)

- The Purpose of Permanent Objects vs. Clutter in the Family Room
  COREY BERON (Ritchie)

- Let’s Take A Selfie
  COURTNEY MATHENY (Juricevic)

- Perceived Anonymity and Ethical Decision-Making
  SARAH RATKIEWICZ (Juricevic)

Cultural Norms and Stereotypes in Literature and Society (DW 1190)
Moderator: Jeff Luppes

- The Importance of Sex: A Critical Reading of Churchill’s Cloud Nine
  SARAH ODLE (He)

- Class Acts and Choreophobia: Incorporating Masculinity in Dance
  TAYLOR WILEY (Pimienta)

- Myth Busters: Germany Edition
  SAMANTHA BLAIR (Luppes)

- “Terrible Shapes”: The Beginnings of the Gothic in Daniel Defoe’s ‘Roxana’
  JANE WISE (Kahan)
**Gender Effects** (DW 1170)

**Moderator**: April Lidinsky

- Gender Familiarity in Listening Comprehension
  **Jennifer Coleman** (Juricevic)

- The Influence of Gender Expression on Adventure Travel
  **Mark Streeter** (Lidinsky)

- Rape on the College Campus: Effects of Empathy-Inducing Techniques on Victim Blaming
  **Maiko Heflick** (Borshuk)

- The Immovable Matriarch
  **Adam Schelle** (Lidinsky)

**Asian History and Literature** (DW 1180)

**Moderator**: Tom Murphy

- Revisiting Tiananmen Square
  **Margaret Gerdes** (Froysland)

- Love is Not Enough: The Ever-Changing Relationship of Marriage, Love and Divorce in Pre- and Post-Communist China
  **Jacqueline Thornton** (Ren)

- A Pale View of Hills
  **Julia Beebe** (He)

**Presentation Abstracts**

**Christine Aiken**
Organizational Communication Research

My presentation will detail research within organizational communication and how organizations use that research to improve their business in the four key areas of customer experience, employee engagement, profitability, and productivity.

**Paul Avoaka, John Hurt, Gabrielle Pecsi, and Mirnes Tursunovic**

Smart Driving Rewards: Developing a Safe Driving App

We believe Mercedes-Benz USA and General Motors could be suitable for a new app that synchronizes with a driver’s vehicle to stop incoming text messages. According to the World Health Organization there have been about 37,000 texting and driving related deaths and over 1,000 child related injuries. Due to this
staggering statistic, we propose to develop a safe driving app that could potentially lower the death and injury toll created by texting and driving.

**Stacie Baleentine**

**Steven Soderbergh: The Problematic Immigrant**

For years Steven Soderbergh has been known for giving non-white actors a platform to shine. Contrary to traditional Hollywood, Soderbergh fills his films with characters of various ethnic backgrounds. He has given actors like Jennifer Lopez, Viola Davis, and Benicio Del Toro some of the best roles of their careers. Yet, the roles these talented individuals embody are plagued by harmful stereotypes. Through close reading of Soderbergh’s 2000 film *Traffic*, I examine what sets the director apart and explain why, although seemingly problematic on the surface, his films work to reform a racist Hollywood.

**Joseph Baird**

**Learning and Digital Media**

Multimedia learning or e-learning is a platform for controversy. The qualities of physical learning tools such as books vary from the qualities of e-learning tools. The way these differences effect how information is processed may also effect the cognitive load (Mayer, 2005). If a person has experience learning from physical works and traits of those works are transferred to a digital setting it may reduce the cognitive load (Sweller, 2005). Previous research shows some of the differences between learning online vs. learning in a physical environment and many differences in learning can be seen (Kiger, Herro, & Prunty 2012; Liu, Lin, & Paas, 2013; Molina, Redondo, Lacave, & Ortega, 2014). Here we will explore if these learning differences are distinguishable between physical and digital works with and without extra stimulus prompts. Subjects were measured on their knowledge of four sets of words before and after using the prescribed study methods. Subjects seemed to show increased responding in situations relative to amount of stimulus present, indicating responding due to the nature of the use of digital media affects how well we can recognize new information. Implication of the use of different formats of flashcards will be discussed.

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CODY BARTALONE, ERIC KRONE, LEIGHTON SCHMITT, DANNY WORKMAN
Exploring the Pressure-Induced Freezing of H2O-Rich Fluids into Various Ices

Many ice-rich planetary bodies in our solar system, and presumably exoplanets as well, may contain large water-rich oceans, some of which, due to their size and self-gravity, are at high pressure and temperature. The aim of these experiments is to reconstruct and study the conditions inside such icy bodies. Particularly we are studying the pressure and temperature boundary at which water-rich fluids freeze, as that would constrain the size of potential oceans within said bodies. Understanding these size constraints is important as the presence of liquid water is one of the only necessities common to all known forms of life, and such icy bodies are therefore among the most likely locations for extraterrestrial life to occur. For this work we are trying to re-create these high-pressure conditions experimentally using diamond anvil cells (DACs). We determine pressure by observing shifts in the laser-induced fluorescence of ruby, a well-established indirect method for measuring pressure in DACs, and in situ measurements have so far been made between 0-7 GPa (gigapascal—the preferred scientific unit for pressure) at room temperature. Ultimately, our goal is to develop a novel approach to detect the pressure-induced freezing point of liquid H2O into ice VI and ice VII (high-pressure polymorphs of solid H2O) purely by observing the standard deviation of the pressure measured from multiple, spatially separate rubies as pressure is increased, as we expect the standard deviation to increase dramatically subsequent to freezing as the sample becomes non-hydrostatic. With this information a baseline was established for future experimentation into the effects of impurities in the H2O mixture on the pressure and temperature boundary of ice VI and ice VII. In our panel we will provide a broad introduction to the planetary science motivation of our experiments, a detailed description of the DACs we use to generate high pressures, and a discussion of the ruby fluorescence technique were a re trying to develop to determine the pressure at which fluids freeze.

BRENDAN BECK
Why is the Italian Enlightenment Neglected?

When one stops to consider the stature of the Italian Renaissance in the minds of the public, it may then be surprising that the Italian Enlightenment that followed is a subject that is much more rarely discussed. This is doubly surprising when compared to the discussion that surrounds the Enlightenment movements that took place in other countries, such as England, Scotland, Germany, or France. When compared to names like John Locke, Voltaire, Immanuel Kant, and Adam Smith, names like Cesare Beccaria, Giambattista Vico or Pietro Verri seem relatively undiscussed. However, the influence felt by these thinkers in the humanities is visible even in people who would gain a great deal of fame (or infamy) in modern history compared to the Italian thinkers. Some of these writers focused on less grandiose issues, for example Cesare Beccaria’s greatest work was regarding the penal system, and Pietro Verri criticized the Pope. Giambattista Vico wrote about history and society as a whole, but according to some, his writing style is difficult to decipher at times. Research is ongoing, however
additionally points to a surprisingly simple answer for an intellectual movement in the form of a language barrier keeping the Italians out of contemporary conversations, potentially impacting their future possibilities of fame.

**JULIA BEEBE**

A Pale View of Hills

In Kazuo Ishiguro’s novel, *A Pale View of Hills*, Etsuko is a Japanese woman who immigrated to England with her daughter Keiko and married an English man there named Mr. Sheringham. She later has a second daughter, Niki, in England with Sheringham. Etsuko is the narrator of the novel, which is presented from her point of view, and is largely her memories of her life in Nagasaki after the bombing. In the outset of the novel, Etsuko is having a conversation with Niki, but is deliberately repressing the topic. It is not until Niki uses phrases specific to the topic of death (“I don’t even remember what she looked like… That’s what I remember about her… I was sad, though, when I heard”) that Etsuko is forced to acknowledge the subject of Keiko’s suicide. She cannot bear the thought of it directly though, and focuses on the Japanese racial stereotype of suicide (10), rather than the painful one: that of her own daughter. She prefices her thoughts in the beginning of the novel: “I have no great wish to dwell on Keiko now, it brings me little comfort” (11). Her need to expel the thought of Keiko introduces the novel’s theme of repression. Repression is the act of internalizing and suppressing feelings or memories. Etsuko represses the memory of her dead biological family, the bombing on Nagasaki, and, most importantly, her bad relationship with Keiko and Keiko’s suicide.

**COREY BERON**

The Purpose of Permanent Objects vs. Clutter in the Family Room

I participated in Dr. Richie’s Family Room Project qualitative research. The goal of this study is to compare and contrast the purpose of permanent objects and clutter in the family room. Specifically, what objects are more indicative of the way the family room is used, and what does this tell us about its social and psychological role for the family. A combination of interviews and pictures of 19 family rooms were used in the study. Qualitative analyses revealed little difference between permanent objects, what I called furniture and decor, and clutter. However, when talking about activates in the family room participants did mention permanent objects more often, but only by an average of about one item. This study shows that it could be clutter and permanent objects play equal roles in the family room.

**SAMANTHA BLAIR**

Myth Busters: Germany Edition

Culture is defined by a particular group of people’s social characteristics such as language, religion, food, festivities, habits, and including music and arts. Through differing country’s cultures, thoughts about their characteristics can morph into cultural stereotyping. The research I have conducted zeroes in on the cultural stereotypes of the German community. The presentation of this information,
through a PowerPoint, will involve some audience participation. First, I would like to address their stereotypical thoughts on the German culture. From there, I will address other common stereotypes found through my research, for example, German’s are always angry. However, through my research I would like to either prove these stereotypes or debunk them as false statements. The presentation will present a slide for each stereotypical statement I find and then from the audience I would ask for their opinion on the statement, asking if they agree or do not through the use of hand raising. After making a ball park estimate of how many agree or do not, I would then present the slide with the research finding about whether the stereotype is accurate or not. The end of my presentation would conclude my research findings about the German culture and explain why other cultures may have these stereotypes about the German culture.

Bronson Bontrager
Why Research in Communications is Important
Our presentation will be discussing research performed in the different fields of Communication Studies and why it is important. I will focus on the Interpersonal Communication field. Interpersonal communication is one of the building blocks of culture. The transaction of communication from one person to another is so rich with information; however, this information is beyond what some people choose to see and hear at times. Research into how people interact with each other has led to the discovery of several theories in communication. Researchers curious about human behavior may perform research to answer sometimes unasked questions, which leads to the development of new theories. For example, research into Social Penetration Theory, reveals how two people move from surface level interaction to intimate levels of communication, and how quickly. Research reveals that when two communicators are sharing and one communicator self-discloses more intimate information, typically the other communicator will reciprocate by sharing intimate information. Continued research is important to this theory because of the impact that technology has on this process. The younger generations also live in a world of overstimulation and research will look at how such technology and overstimulation will impact their self-disclosure. Research explains the who, what, when, where, and why. Through research we can learn to not only be better communicators, but overall better humans as well.

Haley Borsodi
How Varied Piezo Geometry and Composition Effect Acoustic Sensitivity
PICO is a collaboration (formed by the fusion of the PICASSO and COUPP collaborations) attempting to directly detect dark matter particles using a superheated liquid technique. The energy released when particles interact with the liquid causes bubble formations within the detector. Events are analyzed with cameras and acoustic transducers. PICASSO discovered that the acoustic signals caused by dark matter-induced events and those caused by radioactive background are different. The sensing material in the acoustic transducer responsible for converting sound waves into an electric signal is a piezoelectric
ceramic. To improve the effectiveness of the acoustic sensors we need to better understand how a piezo’s geometry and composition effect acoustic sensitivity. To study this relationship a set of acoustic transducers will be built with only variations in the geometry of the piezo ceramic element. Each units housing will be made of brass and have identical dimensions. Each unit will also be built using the same amount of both conductive and nonconductive epoxy. The piezos will have varied heights and diameters. We will also build a series of transducers with different compositions. Each unit will be tested by a pressurized air source which excites the piezos at all of the relevant frequencies of operation. This will allow us to determine the optimal piezo element geometry and composition.

KEVIN BOWMAN
Larger Than Life: The Mythological Kentuckian and Moby Dick
In this paper, I propose Melville’s use of the image of the Kentuckian or frontiersman in Moby Dick is a way of critiquing the nation’s use of its newly acquired territories following the War with Mexico in the 1840s and 50s. As the national debate over the direction of policy making culminated in Kentuckian Henry Clay’s Compromise of 1850, Melville was simultaneously drafting his novel. Notably, another Kentuckian, President Zachary Taylor stood as an obstruction to this legislation before his untimely death, also during the creation of Melville’s work. I argue that the text challenges the image of the Kentuckian as an emblem of the discourse in support of westward expansion circulated by those who sought financial and political gains from a “conquered” west. In addition to challenging the mythological Kentuckian, Moby Dick examines the roles of the actual Kentuckians who played a dominant role in the debate.

MANDI BOWSER
Effect of Stress and Anxiety on Academic Performance
Stress, our body’s reaction to undesirable events, can decrease cognitive performance (Ross et. al, 1999). Anxiety, our emotional response to undesirable future events, can also affect our mental functioning (Mayo Clinic Staff, 2013). Stress and anxiety are particularly important to the performance of university students, especially since “academic performance” itself is a major cause of stress and anxiety (Bieter et al, 2014). Here we present an analysis of how stress and anxiety interact with each other to impact the performance of university students. Implications for improving for improving student learning outcomes, and for reducing stress and anxiety in the classroom will be discussed.

DERICK BRADY
Putting the Community back into Community Development
During a time of economic turmoil local governments are turning to redevelopment programs to rejuvenate the economy and the housing of the city. Small businesses are brought into downtown areas, procedures are taken to make these areas safe and well lit, options for inexpensive housing is made available to families and individuals, and a better sense of community is created amongst neighbors. However, is this truly solving the issues of the society? Perhaps these
redevelopment programs are only relocating the main issues with their community, such as low-income housing, individuals that are unemployed or in the lowest income bracket. The focus of this research would be to understand the procedures taken by local governments to accommodate the “poor” and “those in need” in the process of redeveloping the community to make it more acceptable and accessible to the middle and upper-class of the community so they may spend more money in the city and keep jobs going. The research would also investigate the effects of the redevelopment and how it is altering the lives of those of lower economic standings, both positively and negatively, to ascertain if these programs are actually solving the issues or creating problems for the future by widening the divide of economic standings in the community.

SHARON BRinker
Translating Boris Vian’s song, “J’uis Snob”
I will focus on the song, “J’uis Snob” by Boris Vian. I will play the song in French, read my English translation, and discuss my translation approach and the challenges posed by the original text. It is a humorous song, laced with sarcasm, which belies Vian’s disdain for the French bourgeoisie. I am intrigued by this song for its rhyme scheme, along with its humor, fueled by outrageous images and the slang of the time. All of this adds to the challenge of translating such a song, as these components do not necessarily translate well in English, especially when one must be mindful of the melody as well. Preserving the original rhyme scheme, the rhythm, as well as the sarcastic, “snobbish” tone of the song was most important in my translation. However, I took some liberties with the humor to make the cultural context easier to understand. This presentation will be in French.

DONALD BROWN
The Best Public relations Plans Start With Quality Research
My panel presentation will focus on research within the public relations field. When working in public relations, planning and research are two of the most important factors to consider. It is very important to present yourself or the client in the most credible fashion possible. Whatever the situation may be, a better understanding of the role that quality research provides to an organization will assist in the problem solving strategies that make up much of what the PR field is responsible for. Since PR is a management function that focuses on long-term patterns of interactions between an organization and the public, the purpose of qualified research is to enhance these relationships, while also generating support and goodwill between an organization and their public. In any PR campaign the first phase is always formative research, here there are three generalized steps to follow. First, analyze the situation, identify what your problem is and start from there. Second, analyze the organization? Who are they? What do they need? Finally, analyze the public that interacts with the organization. What are their demographics? What reasons do they interact with the organization? In phase two and three you develop strategy and implement tactics. After a campaign runs its course, the fourth phase is evaluative research. In this stage you develop and use
various methods that test and evaluate your strategies and tactics created in the second and third phases. This often is determined by the research that has been collected.

LUCAS BURKETT
Billionaire Poetics

My collection of poems, Billionaire Poetics explores the intersection between Confessional poetry, the New York School, political poetry, mixed with a sense of absurdity. How is the self constructed? How do I construct myself as a poet who writes somewhat in a Confessional vein? What are the limits of Confessional, the New York School, and political poetry? My work seeks to expand and exploit contradictions in art and everyday life with a humorous, sometimes dark, philosophical approach.

KELSEY CATALDO
Ageism: Implicit and Explicit Perceptions in Young Adults

For years Steven Ageism is the stereotypical discrimination against people because they are old (Butler, 1969). Self-report surveys have been utilized to assess explicit ageist perceptions, yet little research has been conducted to assess implicit ageist perceptions in social psychology (Nelson, 2005). The current study utilized a change detection task with two target-type facial images (young and old) arranged in three set sizes (10,15,20) to assess implicit ageism with reaction time and accuracy. The Fabroni Scale on Ageism (FSA) was utilized as a self-report survey to assess explicit ageism (Fabroni & Saltstone, 2005). Participants were students from Indiana University South Bend, and friends and family of the Michiana community (Average age=22.6 years). Data from the change detection task implied no main effect, yet a set-size effect. The Fabroni Scale on Ageism (FSA) implied moderately high ageist perceptions with an average score of 65.7. Further statistical analysis will be utilized to account for further interaction effects. It is possible to generalize from the data analysis so far that a change detection task does not provide accurate measurement of implicit ageism, perhaps a visual task search could provide better measurement.

HOPE CELMER
The Choice to “Kiss Me”

This presentation focus on studying the choices made by and granted to the speaker in Jacques Prévert’s poem “Embrasse-Moi,” and how the revelation and desire to exhibit those choices shaped a translation. An effort to include reference to style, foreign origin, and most importantly, the sense of urgency and worth captured inside the lines of “Embrasse-Moi” has led to a translation that works alongside Prévert’s original piece to reveal meaning and emotion to those who otherwise would be without access to this beautiful work.
Jennifer Coleman
Gender Familiarity in Listening Comprehension
This study is aimed to find if individuals listening comprehension is affected by the gender of the reader, and whether the familiarity with the gender of the reader plays a part in listening comprehension.

Andrew Corporon
“Noah’s Flood Is Not Yet Subsided”: Moby Dick as a Reassessment of Transcendentalist Values
The novel Moby Dick by Herman Melville was published in a time of great intellectual undertaking in the United States, in which new forms of religious and philosophical thought were emerging. One very influential school of thought was Transcendentalism, whose chief concerns were the corrupting influence of societal institutions, primarily in religious settings but also in political life, the doctrine of self-reliance, and the supreme status of nature as the teacher of man. Through comparison to works by the two most prominent Transcendentalist thinkers (Henry David Thoreau and Ralph Waldo Emerson), I show how Melville presents both a marked criticism and cautious extension of Transcendentalist values. This is shown through the character of Ahab and his twisted mission, through which such virtuous images as the self-reliant man can be corrupted by obsession and the manipulation of others, and the novel’s depiction of the ocean, a much more violent and unknowable vista of nature than the idyllic and peaceful countryside of New England.

Krista Cox
“Or Does it Explode?”: The Construction of Masculinity through Resistance of White Power Structures in A Raisin in the Sun
My paper discusses the importance of masculinity to self-esteem, the emasculation of black men during slavery and its after-effects, and black men’s construction of masculinity in light of lack of access to the routes to masculinity traditional taken by white men through the lens of Lorraine Hansberry’s stage play A Raisin in the Sun. The play’s protagonist, Walter Lee, attempts to reclaim his masculinity through participation in white power structures. He is not only continually thwarted in these efforts, as access to hegemonic notions of masculinity are inaccessible to him, but his wife and mother regularly take him to task for them. The text casts Walter Lee’s participation in white power structures and complicity with white authority figures as an implicit assimilation. It is only once he rejects this “white” route to masculinity through financial success, and refuses the bribe of a white man to prevent his family moving into a white neighborhood, that the finally “come[s] into his manhood.” The paper relies on multiple scholarly sources for support. “Self-esteem as a Function of Masculinity in Both Sexes” by John Antill and John Cunningham and “Gender Roles and Self-Esteem: A Consideration of Environmental Factors” by Jeffrey Burnett, Wayne Anderson, and P. Paul Heppner evidence the connection between masculinity and self-esteem. “Masculinity and the Home: A Critical Review and Conceptual Framework” by Andrew Gorman-Murray describes the ways in which white,
hegemonic masculinity is constructed, while “Changes in the Labor Market for Black Americans, 1948-72” by Richard Freeman and an interview with author Beryl Slatter on economic segregation show that these avenues to masculinity were often unavailable to black Americans. *The Line Between Integration and Assimilation*, by Yomna Saber discusses the ways *Raisin* treats integration and assimilation through its characters. The issue of the construction of black masculinity as it relates to integration and assimilation remains relevant in the present day. American culture is still systemically racist, and the governmental and financial power structures in place are still overwhelmingly white (and male). Issues of economic and geographic segregation still exist. This makes the question of how black and other minority families will “integrate” or “assimilate” into white-dominated institutions, and how this will affect their perceptions of their own masculinity and power, continually relevant.

**CHRISTOPHER CRAWFORD**

A Framework for the Interpretation of Metaphoric and Literal Size Depictions in Comic Books

Two dichotomous approaches to understanding pictorial metaphors are examined, and contextualized to the study of metaphor in comic books. First the work on pictorial metaphor from Feinstein is hybridized with later research from El Refaie to construct a framework for metaphor analysis. Secondarily Forceville’s research on metaphor is combined with the social semiotic approach of Feng and O’Halloran. Afterwards the history of giants in depiction is reviewed, then these paradigms are used to analyze a few classical presentations of gigantism, including art from ancient Egypt, *The Colossus* by Francisco de Goya, *The Madonna of Chancellor Rolin* by Jan Van Eyck, and finally Chinese propaganda posters from the 1930s. Afterwards, these frameworks are used to analyze different representations of gigantism in comic books from the Golden, Silver, Bronze, and Modern Age. The strengths and weaknesses of these paradigms are subsequently reviewed.

**CHRISTOPHER CRAWFORD**

“Marine World. Africa. USA.”

This is a personal essay wherein the concept of finding meaning in personal experience is considered. Set to the tune of “Marine World Africa USA” by Kool A.D.

**AMANDA CROCKETT**

A City in Crisis

Detroit is a city in crisis. It is a city that is on the verge of economic collapse, having declared bankruptcy on July 18, 2013, it is widely considered abandoned, just a shell of a city. Honestly, when one examines the city of Detroit, picking just one problem to focus on is quite a task, because Detroit faces a myriad of issues, unemployment, lack of services, and poverty to name a few. But it was not always this way, Detroit was once a thriving metropolis that held its own in the U.S. economic market. In this paper I will give a brief history of Detroit, focusing
mainly on the factors that lead to the current economic crisis, then I will examine the crisis itself, lastly I will explore the plan of action Detroit has laid out in a plan to fix the fiscal deficit.

**STEPHANIE CUKROWICZ**

Creating A Future: Employment for Ex-Offenders

Some of the basic needs of an average American include; food, transportation, shelter, child care, education, etc. Of these many needs, how many of them can people attain without money? And how do individuals attain the money to provide these basic needs; jobs. If finding a job isn’t hard enough for the average American, try being an American with a felony record. Today, thousands of Americans are being released from incarceration and corrections and struggling to start anew in society as they desperately attempt to attain employment. The following paper will take a look at whether or not ex-offenders are being hired today and what demographic characteristics are affecting this along with the many barriers the ex-offenders have faced even before entering their cells. The paper includes a survey of local employers conducted in South Bend, Indiana between a sociology research methods course at Indiana University South Bend and St. Joseph Country Community Corrections. The survey concludes findings of the local employers hiring practices/preferences, experiences, and concerns regarding hiring ex-offenders.

**AMANDA DORMAN**

A Survey on Punishment in Individuals with Autism

Punishment-based interventions are among many of the tools utilized by behavior specialists. While prior research has resulted in many disputes about the ethical use of punishment in general, none have focused on whether or not the age of the individual was a factor. This experiment investigated whether the age of the subject undergoing a punishment-based intervention influenced the view of how ethical the use of punishment-based intervention was. This experiment looked at how undergraduate students view the ethics of punishment-based behavioral interventions on a child and an adult. It is predicted that the undergraduate students participating in the experiment will find that punishment is an unacceptable form of behavior modification. It is unlikely that an untrained individual would have sufficient knowledge about punishment-based interventions to make an informed decision.

**NIALL GARVIN**

“Born Naked”

“Born Naked” is a personal essay of self-acceptance that explores issues of gender, sexuality and social performance through the author’s admiration of and personal experiences with drag.
NIALE GARVIN
Stratégies de traduction dans la poésie de Prévert

CRYSTAL GEE
Protected Bike Lanes: Safety Lessons from Portland
The purpose of this research paper is to discuss the importance of protected bicycle lanes within the city of Portland, which has seen an increase in automobile and bicycle injuries due to overcrowded streets as cycling has become increasingly popular. The paper first introduces some background information on Portland in order to emphasize the city’s progressive policy-making and then transitions into a discussion on cycling within the city, such as its popularity among residents, safety concerns, and whether the city’s commitment to providing protected bike lanes has been effective in reducing injuries. The findings demonstrate that protected lanes can be vital in urban areas such as Portland.

MARGARET GERDES
Revisiting Tiananmen Square
I will be conducting interviews with two local Chinese ex-patriots about their experiences, thoughts, and feelings relating to the Tiananmen Square Protests and subsequent violent government response. In particular I will explore the disconnect between what those inside China know and feel compared to those outside the country. I will also explore how the Tiananmen Square Protest and Massacre has affected the lives of Chinese inside and outside of China.

RACHEL GRAVELIN
Identify Your Identity
In the novel Wide Sargasso Sea Jean Rhys provides the central issue of belonging for her main character Antoinette. Lucy Wilson approaches this issue in her article, “Women Must Have Spunks”: Jean Rhys’s West Indian Outcasts” by delving deeper into the character of Christophine and Jean Rhys personal life. Wilson believes that the ultimate betrayal in Wide Sargasso Sea is Antoinette’s betrayal of her own culture. While Wilson’s argument is valid, it neglects to show the struggle that comes with feeling like you do not belong and the possible reasons for that, such as upbringiong and traumatic experiences. Elizabeth Nunez-Harrell argues that political occurrences affect the sense of identity and belonging creole women have. Nunez-Harrell’s argument is also valid but it does not delve deep enough into the psychological impact of growing up in a time where politics shift power within a country inadvertently out casting a race. I intend on filling
Wilson’s void of showing the struggle that accompanies not belonging and Nunez-Harrell’s void of delving deeper into the psychological effect of a political power shift that outcasts the creoles by utilizing the Psychoanalytical Theory. In the novel, *Wide Sargasso Sea* Jean Rhys uses character to highlight Antoinette’s lack of identity, portrayed by her dysfunctional behaviors, which forces her into unsavory situations in order to uncover the hidden core issue of her “Insecure/Unstable Sense of Self” caused by a traumatic upbringing and a political change which outcasts Antoinette’s race.

**SAMANTHA GREULACH**  
*The King that Would Not Be: A Brief Look at the Abdication Crisis of 1936*  
The focus of my research is the abdication of Edward VIII in 1936. In this paper, I explore not only Edward VIII’s abdication so he can marry Wallis Simpson, but also the effect that it had on the British Monarchy. When Edward VIII abdicated his brother, George VI, became King and he had not been prepared to be King, which could have created numerous complications for the British Empire. I also investigate how the people of the British Empire felt about the abdications through looking at newspapers using both The New York Times and The London Times. I also explore some of the options for Britain if Edward VIII would have stayed on the throne and married Wallis Simpson.

**MYRNA HAAS**  
*An Examination of Translation in Prévert’s “Chanson des Escargots qui vont a l’enterrement”*  
The purpose of this presentation will be to examine the difficulties and strategies that exist when writing a literary translation of French poetry. This presentation will focus on the history of Jacques Prévert and his poem “Chanson des Escargots qui vont a l’enterrement.” I will provide a reading of Prévert’s poem alongside my own literary translation and talk about some of the specific translation techniques I utilized while trying to capture Prévert’s rhythm and tone while staying true to the meaning of the poem.

**MAIKO HELFICK**  
*Rape on the College Campus: Effects of Empathy-Inducing Techniques on Victim Blaming*  
In recent years, political attention has been drawn towards the college campus as a place needing reform, particularly with how universities deal with rape and sexual assault amongst their students. Despite both men and women falling victim to such incidents, college-age women continue to have the highest rates of sexual victimization. Victims are often targeted as sharing the blame for their situation, known as victim blaming. Research has shown that victim blaming is often correlated with men who display hostile behaviors towards women and are more accepting of rape myths. Victim blaming also places women who have been sexually victimized and endorse self-blame at a higher risk of being revictimized. Empathy has been shown to reduce levels of victim blaming, and therefore this study seeks to compare methods of empathy-induction on their effectiveness on
lowering levels of victim blaming. The study was conducted at IUSB with undergraduate students who were given different instructions on techniques to induce empathy. These techniques include participants imagining themselves as the victim as well as mimicking a victim’s mannerisms, both of which have been shown to increase empathy.

KEVIN HERNANDEZ  
The Truths Behind Tlatelolco ‘68  
During the summer of 1968, university student protests were rising in central Mexico. The students were met with violence and extreme police brutality, the Mexican government saw it as defiance from the students against the approaching Olympic games that Mexico was to host during October of that same year. Classified documents from both American and Mexican governments that are now available to the public indicate that the Central Intelligence Agency and American Government had prior knowledge of what was to occur days before the Olympic games. This paper will attempt to explain to what extent the United States government and the C.I.A. knew of the incident ahead of time.

DIANA HERNANDEZ  
The Effects on Math and Reading Test Performance while Listening to Lyrics, Instrumental Music and White Noise  
Is music becoming a distractor among students retention during studying? The present study is to verify if listening to music, either lyric or instrumental have an adverse impact on test scores. This distraction of music has been very controversial, Oswald, Tremblay, and Jones (2000) found music to be a significant distractor and to affect reading comprehension, whereas Hallam, Price and Katsarou (2002) reported a positive effect. However, perhaps studying for mathematical problems while listening to music or noise such as white noise in this case may have a different retention affect than studying for a reading comprehension exam. Here we explore if a math test or reading comprehension test has a bigger effect on the test score while listening to music, lyrics or instrumentals only or white noise only. Subjects were measured by being randomly selected to take either a math or reading portion of a test. The test was taken from the PSAT (Preliminary Scholastic Aptitude Test). Depending on which portion they were randomly put into, they had to read a passage while listening to either music with lyrics, music with instruments only or white noise only. If they got put into the math portion they had to solve the problems by hand, using paper and pencil, while listening to one of the three types of sounds. It is indicated that participant’s test score results will be worse in the reading comprehension, than it would be to solve a math problem while listening to the different stimuli. Implications for the effects on test scores while listening to music with lyrics, instrumentals only and white noise on either math or reading test score will be discussed.
**BRIAN HIBBS**  
An Examination of the Effect of Immigration on Income Inequality: A Gini Index Approach  
This paper examines the impact of immigration on income inequality. Using data from 1990 and 2000 US Censuses, we link the changes in income inequality as measured by the Gini index with immigrant flows into each metropolitan area in the U.S. We address endogeneity of immigrant inflows by relying on variation in historical distribution of earlier immigrants from each source country. The results suggest that using the Gini index as a measure of income inequality results in immigration having stronger effects on inequality than the findings of other studies based on changes in skill-related wage premiums. Interestingly, low-skilled immigration as proxied by Mexican immigration is found to have little effect on income inequality. However, the estimates are subject to a downward bias if native workers respond to an increase in low-skilled immigration by moving away from the affected locations.

**KATHERINE HOOPER**  
The Effects of Age and Experience in the Workplace: The Differential Effects for Older Adults  
Larger numbers of older adults are reentering the workplace, while at the same time, companies are downsizing and fewer jobs are available. To what extent do the age and previous work experience of a candidate predict his/her competence in a certain position? This study examined the perceived competence of job candidates depending on age group (older or younger) and work experience (high or low). Participants reported the level of competence of candidate profiles for a hypothetical CEO position. Results indicated 1) older job candidates were significantly more likely than younger job candidates to be perceived as suitable for CEO positions, and 2) the role of work experience varied based upon age. For younger job candidates, work experience was less important for their profiles compared to the older job candidates. In contrast, the perception of older adults as suitable CEO candidates was significantly more dependent on their work experience. Specifically, older adults with low experience levels were judged as the least likely to be hired. This study has important implications for the field of human resource management and the guidelines by which hiring managers select potential employees.

**RACHEL JHALA**  
Memory and Emotion: Effect of Political Partisanship  
Political partisanship is quickly defining the 21st century of American politics. There is increasing evidence supporting links between political partisanship and brain physiology. The proposed research is designed to address the deficit in knowledge regarding brain physiology or structure, and political affiliation of self-proclaimed partisans. The focus of this behavioral study is on the brain structures, the amygdala and the insula, in relation to memory and recall of emotional salient images, compared with partisan behavior. Participants will complete a questionnaire about their political ideology, then be shown a series of
timed emotional salient images, negative, neutral, and positive conditions. Participants will be asked to recall the images, and the responses will be recorded. This study is a mixed design and has two independent variables, the political affiliation of the participant, and the emotional salience of the images. The Political Affiliation variable has two levels, Republican/Conservative and Democrat/Liberal, and is a between subjects factor. The Emotional Salience of the images variable has three levels, negative, neutral, and positive, and is a within subjects factor. The dependent variable is the number of images recalled. A degree of difference is expected for all positive and negative images in relation to neutral images, however it is expected that Republicans will differ more greatly than Democrats, recalling a higher amount of negative images. The proposed research will provide much needed insight on the political neuroscience behind partisan behavior.

Ridwan Jojo
Studying the Evolutionary History of the Umtiza (Fabaceae) Clade Using the Low Copy Nuclear Genes EIF3E and AIGP
With nearly 20,000 known species in existence, the Fabaceae, or legume family of plants, has a complicated evolutionary history as a result of an extraordinary amount of evolutionary divergence in a relatively short period of time. This convoluted past is in need of clarification, and is the focus of our study. In our research, we investigate the relationships and relatedness of the seven genera within the Umtiza clade of the family, and among the 10-12 species within the Gleditsia genus. This is achieved through the analysis of the Low Copy Nuclear Genes, EIF3E and AIGP, which have been used successfully by other legume systematists to elucidate evolutionary relationships at the genus and species levels. Our three-step approach includes gene amplification via the polymerase chain reaction, dideoxy capillary sequencing, and phylogenetic analysis of subsequent DNA sequence data. To date, we have successfully amplified both genes and are collecting sequence data. Analysis of the data will involve alignment of sequences, determination of genetic distances among species, and construction of phylogenetic trees using multiple algorithms. In the end, we will be able to share our results with the Legume Phylogeny Working Group and thus contribute significantly to the worldwide effort to unravel the evolutionary history of legumes.

Michaela Kapala
Stress Accrued by Visiting the Dentist
I am conducting research to test the hypothesis that a correlation exists between the amount of stress experienced as a college student and the amount of stress experienced while visiting the dentist. I am a pre-dental student and I plan to use the results of my research to shape my future plans as dentist to alleviate stress from my patients. To test my hypothesis, I compiled a short survey where participants were asked to report their level of stress during various college-related activities on a scale of NEVER to MOST OF THE TIME. Participants were also asked to report their level of stress experienced during various
procedures such as cleanings, removal of cavities, x-rays, teeth extractions, and other dental work.

EMILY KENSINGER
Becoming Public: The Change of Women in the 19th Century
This research paper will focus on the idea of separate spheres in the 1800’s. Men’s domain was considered the public sphere while women were supposed to be restricted to the private aspects of life, the home. In this way men were suppose to hold all the power in this dynamic, dealing with the business and political aspects of life. By being placed in a powerless situation women were supposed to be completely dependent on men. The private sphere was the domestic, emotional, and interiority life of women. The public was political, rational, and exteriority life of men. However, these spheres were not as separate as society would believe. Letter writing and activism in social issues helped women go from being private to becoming public. Both sexes use of letters began to blur this separation between men and women.

MADDIE KINDIG AND JASON ROSE
Die neue Frau: A comparative study of the New Woman and the Jewish New Woman in Central Europe
Around the turn of the twentieth century, the New Woman emerged on the world scene. These women challenged firmly established, but relatively new societal norms regarding gender and the roles of women. The New Woman sought to define herself outside of her role within her family and home: she sought emancipation. The one true unifying factor for the early New Woman Movement was a revolt against patriarchal systems. The New Woman’s revolt against expected societal roles created controversy as sympathetic people did not fully grasp the New Woman’s beliefs and more traditional forces fought back, and in the case of suffragists, violently. In this study, we systematically analyzed both marriage trends and occupations between accomplished Jewish women and the neue Frauen, or German speaking New Women in Central Europe. Unlike most of the neue Frauen, the jüdische neue Frauen (Jewish New Women) worked while married and in partnerships with their husbands, with greater frequency than other accomplished women during the larger worldwide New Woman Movement during the fin de siècle. Our presentation will explore our working hypothesis on why this was the case, and the need for future research on this topic.

NEIL KING
“Offensive Help”
Offensive Help is a creative nonfiction work exploring the trepidation of pursuing a passion in the humanities, particularly writing, while coming from a blue collar/RV production background that holds practicality as King. This is done by weaving personal allegory and a brief history of the economic struggles of the RV industry during the latter part of the first decade of the 2000s.
ALEXANDER LECLAIR
Increasing the efficiency of image analysis software used for a dark matter detector

The PICO collaboration uses a pressurized liquid housed in very smooth glass like containers, called bubble chambers, to detect dark matter interactions with nuclei. When a particle interacts with the liquid, a gas bubble forms, and the event is registered using acoustic transducers and ccd cameras. Originally the software to analyze the camera images used algorithms that were written without much thought to optimization and efficiency. The long term goal of this project is to improve the processing speed of the event visualization software, the speed of analysis of images, the efficiency of automated bubble detection algorithms and the improvement of the event display. Although this project is still in its early stages of development, by introducing an open source image processing library, OpenCV, we have already decreased the runtime of the software by more than a factor of ten without a loss of accuracy.

RYAN LOHMAN
Communication Studies Research

A journalist’s product is her article, and an article begins and ends with research. For the communication studies panel discussion on research, I will discuss how an article is written with an example from The Preface, IU South Bend’s student newspaper. I will walk the audience through each step involved in the research required to write a journalistic article, focusing on interviews and fact checking. I will then discuss the importance of learning to read academic research and how reading periodicals and academic journals, and translating the sometimes dry, esoteric language into common parlance will help any aspiring journalist better communicate with her reader.

JORDAN RAE LUCAS
Everything I Know About Politics I Learned from Aaron Sorkin

This essay argues that the television show “The West Wing” has ruined American politics by setting an impossible standard. I have used historical and pop culture fact as well as personal anecdote to explain how the show lulled us into a false sense of security.

EMILY MANN
Testing an Indium Matching Layer for Acoustic Transducers

Searching for the Dark Matter particle (a mysterious material that composes nearly 85% of the matter in the universe) is a very exciting endeavor for physicists. The PICO Collaboration is currently conducting a direct detection experiment that uses a bubble chamber filled with superheated liquid that is sensitive to nuclear recoils. Bubbles will form when energy deposits cause a phase change in the liquid. These interactions are monitored by sound and video equipment. Before a sound wave, caused by the formation of a bubble within the detector, comes in contact with an acoustic transducer, it has three mediums (the superheated liquid, the inner fused silica quartz vessel and the Lead Zirconate Titanate (PZT) piezoelectric transducer) that it must pass through. When there is
a difference in acoustic impedances in two materials, some of the sound will be reflected. It is supposed to be possible to minimize this difference by creating an intermediate layer with acoustic impedance between that of the two materials. In previous attempts, a matching layer made of MAS epoxy and tungsten carbide powder has been used to create an appropriate acoustic impedance [1], but this matching layer dampened the signal. Here we attempt to use a shim of pure indium instead. This paper describes the development of an acoustic matching layer to be implemented on acoustic devices on the PICO Collaboration dark matter detectors.

**Cyndal Mateja**

**Disney Movies According to Turner**

Disney movies are narratives of a personal journey in which the main protagonist breaks away from the everyday constraints of life to eventually discover their true identity or destiny. These stories usually end with the mental or physical transformation of the characters into the life of their choosing. Utilizing the anthropological lens of Victor Turner, these stories represent various rites of passage in which the Disney characters figuratively cross over the threshold from their original status through the inevitable phase of liminality to become a different member of society. According to Turner, the plots of various Disney movies, the commonalities among the main protagonists, and their final status in society can all be explained by utilizing the stages of liminality as a reference point. Within the context of this anthropological theory, a more holistic view of these stories may be analyzed beyond the passive similarities which are apparent in Disney movies.

**Courtney Matheny**

**Let’s Take a Selfie**

Selfies are an increasingly popular thing, and for the most part seen as socially acceptable. It seems that every time you log on to any social networking site you see dozens each time, and many times the same person posts many selfies over and over. Narcissism and self-esteem are two personality traits that will be explored in this study. Research by Buffardi and Campbell (2008) suggests that narcissism predicted higher levels of social activity online and more self-promoting content on social networking sites. Research by Mehdizadeh (2010) suggests that the more time a person checks Facebook a day, the higher they score on the NPI-16. However there isn’t research related to selfies in correlation with Narcissism and self-esteem. In my study I attempted to prime people to be either have levels of narcissism or low self-esteem, depending on the group they were randomly assigned to. I had each group watch a popular video clip from a movie or cartoon. The main character in the clips either had many characteristics of narcissism or low self-esteem. The subjects then took the NPI 16 and the Rosenberg self-esteem assessment, along with a series of questions of how likely or unlikely they would to be take selfies in certain locations. The results from my study suggest that selfies are a vague indicator for levels of narcissism and self-
esteem, however there is evidence that suggests these groups of people take more selfies but post less of them to social media sites.

GLENDY MATTALIA
La Canoa Internacional
This paper seeks to illuminate the similarities between race and other social constructs including gender and class that affect a person’s self esteem and agency. The racial discourse in America today continues to nurture an attitude of separation, hostility and antagonism that affects all its citizens on some level no matter how minute. Exploring literary texts like Kate Chopin’s “Désirée’s Baby,” and theoretical texts like Toni Morrison’s Playing in the Dark and Ian Haney López’s Social Construction of Race: Some Observations on Illusion, Fabrication, and Choice, show us that socially constructed racial identities do exist and wreak havoc on our society. The concept of “whiteness” as the “default” race exemplifies the reasons why we need to urgently find other ground on which to construct racial hierarchy if any should even exist. Rather than accepting that any quality that is good or positive should be relegated to the realm of “whiteness,” we need to repurpose those qualities and give them their egalitarian due. There can no longer be a supposed “inheritance” of “whiteness” that is arbitrarily delineated by “identifiable characteristics,” all of which are positive and belonging only to the white race. By categorizing positive characteristics and presuming them exclusively “white,” we pit the white race against all other races and assume them superior to all. This has negative effects on all people. This paper takes a small step towards an exploration of possibilities that exist toward future change.

GLENDY MATTALIA
The Reinvention of Whiteness: A New Social Paradigm for Racial Construct in a Postmodern World
This paper seeks to illuminate the similarities between race and other social constructs including gender and class that affect a person’s self esteem and agency. The racial discourse in America today continues to nurture an attitude of separation, hostility and antagonism that affects all its citizens on some level no matter how minute. Exploring literary texts like Kate Chopin’s “Désirée’s Baby,” and theoretical texts like Toni Morrison’s Playing in the Dark and Ian Haney López’s Social Construction of Race: Some Observations on Illusion, Fabrication, and Choice, show us that socially constructed racial identities do exist and wreak havoc on our society. The concept of “whiteness” as the “default” race exemplifies the reasons why we need to urgently find other ground on which to construct racial hierarchy if any should even exist. Rather than accepting that any quality that is good or positive should be relegated to the realm of “whiteness,” we need to repurpose those qualities and give them their egalitarian due. There can no longer be a supposed “inheritance” of “whiteness” that is arbitrarily delineated by “identifiable characteristics,” all of which are positive and belonging only to the white race. By categorizing positive characteristics and presuming them exclusively “white,” we pit the white race against all other races
and assume them superior to all. This has negative effects on all people. This paper takes a small step towards an exploration of possibilities that exist toward future change.

GLENDY MATTALIA

“La Canoa Internacional”

This personal essay explores early childhood influences on a young girl’s decision to pursue an artistic life.

AARON MEDLIN

What is the effect of immigration on new business creation?

Much of the research conducted on immigration has focused on the supply side effects for native workers. But a growing body of research provides a more comprehensive picture of the effect immigration has on the local economy through labor demand as well as supply. This study contributes to this emerging body of research by looking at the effect new immigrant populations have on new establishment creation at the city level. Using data from the American Community Survey and Business Dynamics Statistics survey, we find that the demand from one new immigrant can have the effect of creating as many as 3 new business establishments. This result may serve to explain the shift in labor demand within the general equilibrium model and how immigration benefits the economy. Overall, it appears immigration has the effect of creating more business establishments, which can mean more choices for consumers, and more jobs for workers.

PHILIP MELIN

Excommunication and the Investiture Controversy

This research paper delves into the investiture controversy of the early High Middle Ages, from the mid-eleventh century to 1122 A.D. The investiture controversy was the single most significant struggle between the Church and State in medieval Europe during which a series of Popes challenged European monarchs over things such as spiritual authority. For many generations lay people, or people distinct from the clergy of a church, influenced many aspects of Church life such as the appointments of bishops. In the middle of the eleventh century Popes started to challenge these practices, which brought them into conflict with the Emperors of that time. Many Popes, most notably during this time Gregory VII, used a variety of ecclesiastical powers in their attempts to achieve victory but none were as powerful as when the Pope would decide to excommunicate someone. Excommunication during the Middle Ages was one of the most devastating things that could happen to a person. This paper explores the effects that the Pope’s use of excommunication had on Emperors and the realm and how it was the single most important factor in bringing about the end of the investiture controversy in 1122 A.D. with the Concordat of Worms.
ADAM METCALFE
Study of Translation in French Poetry

WAMIQ MOHAMMAD
Constitutional Origins of the American Revolution
This paper will review the constitutional and legal origins of the American Revolution and how the American Revolution was in large part a result of difference in understanding between Great Britain and the United States in regards to how British Constitutional tradition should be applied to American Colonies.

BRANDI MOREHOUSE AND LAUREN JANKOWSKI
Juxtapositions Within an Assisted Living Facility
The number of older Americans who live in assisted living facilities in the United States has grown over the last decade and this population is projected to increase substantially in the near future. Residents at assisted living facilities experience a major transition away from full autonomy to increased dependency on others for care. Previous research has found that structured community and managed individual choices are important factors in the overall wellbeing of residents at assisted living facilities. Because a growing number of Americans will soon live in such arrangements, the objective of this study is to understand how residents in this transition experience organized social activities at an assisted living facility. This research is based on a study conducted by 18 undergraduate students enrolled in a Qualitative Research Methods course during the Fall 2014 semester. Students volunteered during organized social activities at an assisted living facility in Northern Indiana over a period of two months and collected data through participant observation and semi-structured interviews with its residents. Through our observations and interviews we found three key themes that exemplify the tension residents experience: the value of independence within a system controlled by staff, a combination of apathy and interest in scheduled activities, and a sense of both community and isolation among the population. Although residents might regret their loss of full independence and occasionally resist aid, they adamantly assume independence wherever possible and appreciate the structured community that would otherwise prove difficult without the aid of an assisted living facility.
STACEY MOTZ
What Size and Type of Businesses Conduct Background Checks?
Research states that former offenders have difficulty in obtaining and maintaining employment. This paper presents quantitative research to investigate what types of businesses: manufacturing, wholesale, retail sales, and services are most likely to conduct background checks. Also, the number of employees employed at a business and if that same business conducts background checks are referenced to establish possible associated relationships. Additional elements that are discussed include limited job options available, discrimination received from background checks, repeat offenses associated with unemployment, and employer policies. Findings suggest that (48.4%) of manufacturing, (50.0%) of wholesale, (50.0%) of retail sales, and (45.2%) conduct background checks. Lastly, data suggests larger companies that compose of 67-99 employees, (71.4%) and 100+ employees, (56.3%) are likely to conduct background checks.

SARAH ODLE
The Importance of Sex: A Critical Reading of Churchill’s Cloud Nine
Sex is a vast subject of discussion, some of which is discussing whether or not we should be discussing sex at all. Many taboos have existed in the past, and the arguments for dismantling said taboos range from entertainment to education. In this paper, I intend to discuss the numerous reasons why society clings to novels with a sexual undertone, what those sexual innuendos say about society, and whether discussing sex in novels is the right thing to do while applying these concepts to Churchill’s Cloud Nine. Churchill’s Cloud Nine breaks about every unsaid rule regarding the functioning of a society with its transgender, homoerotic, pedophilic, incest relations and outlooks on life. I feel that the only reason it is able to do this is via the overly dramatic and somewhat-sarcastic voice of its characters that seem to rebound the thoughts of Churchill. It is just a matter of sifting through the text and trying to decipher when he is being sarcastic and when he actually believes what he is writing about in Cloud Nine.

BROOKE PLUMMER
A Cycle of Several Sides
A personal prose piece, linked by elements of the psychological theory and influences of creative writing courses. I would categorize this as experimental, contemporary writing.

LISA POELZLER
“Le Contrôleur”
I will be presenting a translation analysis of the poem “Le Contrôleur” by Jacques Prévert. This presentation will initially guide the audience through a brief history as well as highlight key aspects of Prévert’s personal life and career. I will introduce the original poem: its theme, its style, and my own interpretation of the text. Furthermore, I will speak about the specific strategies I have adopted in my literary translation to emphasize the original poem’s distinctive features. I will also provide my own translation of the poem.
SARAH RATKIEWICZ
Realism and Metaphor in Comics
Comics, uniquely among storytelling media, are entirely visual yet wholly motionless depictions of a kinetic reality. As a result, comic artists have developed a visual language to aid in the depiction of movement in static panels. This language is in part composed of abstract lines and symbols, known as pictorial metaphors, which do not represent physical objects within a scene but instead assist in representing concepts such as motion (Kennedy, 1982; McCloud, 1993). As pictorial metaphors are abstract symbols, it is possible that their use may be related to a comic’s overall level of artistic abstraction from reality. This analysis explores whether the use of pictorial metaphors can be linked to a comic’s level of artistic realism. An array of comic panels depicting motion were selected from several critically acclaimed Batman graphic novels and were analyzed for use of metaphors for motion. Results indicate that use of pictorial metaphors varies with an artist’s style, suggesting that these metaphors are linked to the stylistic abstraction of reality. Implications for the understanding of motion perception will be discussed.

SARAH RATKIEWICZ
Perceived Anonymity and Ethical Decision-Making
As overly-personal Facebook posts and argument-filled YouTube comment sections attest, the anonymity provided by internet-mediated communication often results in higher rates of personal disclosure and antisocial or unethical behaviors. This phenomenon is known as the online disinhibition effect (Suler, 2004). Researchers have linked the online disinhibition effect to a variety of factors, among them perceived anonymity, decreased social self-awareness, and decreased visibility (Lapidot-Lefler and Barak, 2012). However, past research typically studies the online disinhibition effect by comparing online and offline groups. This study explores whether the online disinhibition effect can be modulated between online conditions by changes in perceived anonymity and social presence of the researcher. In this online study, participants indicated their probable responses to hypothetical ethical scenarios after reading instructions which emphasized their anonymity or lack of anonymity. Results showed differences in ethical responding between groups, indicating that ethical reporting can be affected by situational variables. Implications for online survey administration and the understanding of online behavior will be discussed.

GABRIELLE RILAND
Personality and Color Perception
Individual personalities have a large bearing over the choices we make. Many cognitive processes are influenced by a person’s personality. Color also influences cognitive processes such as the colors we see, but also through color metaphor in the ways we associate colors with emotions and with special meanings (Goldstein, 2013). These deeper associations tie back into both our individual personalities, and the culture we are a part of (Taylor et. al, 2013). Past
research has argued that color preference is universal across cultures (Eysenck, 1941), though newer evidence suggests that under some conditions color preference is strikingly different (Taylor et. al, 2013). Here we explore if personality affects an individual’s color preference. It may be that since personality and vision are located at opposite areas of the brain, personality will not affect color preferences. Alternatively, since deeper, metaphorical associations of color are tied back to individual personalities, personality may influence color preferences. Subjects personalities were tested using the Myers Briggs Type Indicator Test (The Myers & Briggs Foundation, n.d.), and were then shown a graph of the World Color Scale and asked to choose their “true color”, such as their “true red” (Cook et. al, n.d). This “True Color” would be the best shade of an indicated color out of all the colors provided. Evidence suggests that personality does have an effect on color perception, supporting the idea that colors carry deeper associations for individuals. Implications for how personality effects individual color perception will be discussed.

ASHLEA ROMANO

Memory Recall Comparing Media: Print vs. Electronic Texts
This study was conducted to determine if a discrepancy in memory retention exists when participants are presented with two different forms of reading media. Participants were given two short stories to read. One short story was read online and the other was read on a piece of paper. Following each short story, participants answered a few questions to test their recall of the stories they have read. Their data and answers have been collected anonymously. By comparing the data collected, as researchers we are able to determine if presentation of media effects how the brain processes and retains information. Insight from this research could aid in the discussion of whether or not electronic readers are beneficial to students in a classroom setting, in place of regular textbooks.

JASON ROSE

“goose-stepping, baby killing educated gorillas”: The Use of Stereotype in Public Rhetoric During World War I
There are few occasions in history when emotions run as high as in times of war. Passionate commitment to families, nations, and soldiers escalates during these trying moments. To help direct support for the Great War, the U.S. government created a war promotion department, the Committee on Public Information (CPI). The major obstacle to the proper promotion of U.S. entry into the war involved the ability to communicate values and principles essential for democracy, such as reasoned discourse. Without it, a democracy’s ability to secure consensus views is imperiled. The CPI created the Four Minute Men to distribute information to the general public about the various wartime promotions such as food conservation, Liberty Bonds, and Red Cross drives. Essentially a volunteer army, the Four Minute Men consisted of over 75,000 public speakers giving 755,190 speeches in 5,200 communities. As the war progressed, however, the speeches of the Four Minute Men evolved and reflected the impassioned and sometimes prejudicial views of the speakers and their audiences, requiring regulation by the CPI.
Consequently, the CPI issued numerous written materials that included samples of both good and bad speeches. Many examples of good speeches, however, employed cultural references similar to the examples of bad speeches and the published guidelines for acceptable rhetoric often contradicted earlier statements, leading to difficulty establishing proper expectations for the Four Minute Men. This paper explores these contradictions in the Four-Minute Men bulletins and the use of stereotypes in their speech and discourse.

**Joseph Rzepnicki**

The man who saved the Army

Friedrich Wilhelm von Steuben was a Prussian born noble who greatly attributed to the success of the American Revolutionary War. After a failed career in the Prussian Army, he would find his way to France where under the advice of Benjamin Franklin and Silas Deane, he reinvented himself and “sold himself to Congress”. The General, Fredrick von Steuben was a key and integral member of the Revolutionary War. He was one of the key leadership that does not receive as much credit as he deserves. The American Revolution may not have been as successful had it not been for his genius in military drill and discipline, the Continental Army might have continued as an undisciplined rabble rather than a force capable to taking on at the time the most powerful force in the world.

**Stephen Salisbury**

Reparations: A Necessary Evil

In a *New York Times* editorial written last fall during the height of the protests, while discussing the facts that led to the passionate uprising of Ferguson, Missouri’s black community, it was stated, “What is not in dispute is the sense of permanent grievance held by many residents and shared in segregated urban areas around the country.” The article concluded that the situation served as “a reminder of a toxic racial legacy that still infects cities and suburbs across America.” It is in response to this legacy that many scholars like Ta-Nehisi Coates argue reparations should be made to the black community for the many injustices it has suffered at the hands of our American society. By illustrating Omi & Winant’s concept of race as social construct, discussing the euphemistic nature of the idea that we live in a ‘color-blind’ society as supported by Abby Ferber and Michelle Alexander, and highlighting the plight of the young, African-American male involving mass incarceration and a fugitive lifestyle mandated by conditions in their community outlined by Alexander and Alice Goffman, I will, in this presentation, propose a more universalistic approach to reparations and argue why I think they are absolutely necessary in response to how the Black population has been treated by this country.

**Adam Schelle**

Our Father: A translation of Pater Noster by Jacques Prévett

I will be presenting a translation of the poem “Pater Noster” by French poet Jacques Prévét. I will be reading my translation as well as the original, and discussing my translation process including strategies, difficulties, and successes. I will be giving the presentation in French and English. My goal is to
reflect on the nuances of French to English translation by highlighting the subtleties of the original poem in comparison to an English representation of the work.

ADAM SCHELLE
The Immovable Matriarch
I will be reading a creative nonfiction essay about familial dynamics surrounding a central matriarch. My essay will focus on the impact of end of life care for a family member as well as the affect of a central matriarch on familial relationships and loyalties. I will also be exploring the dynamics of familial gender roles when engaging in end of life care.

CHANTEL SHORES
Identifying relatedness within the Umtiza (Fabaceae) clade by amplifying and analyzing sequence data of two low copy nuclear genes, AT103 and SHMT
The legumes (Fabaceae) constitute a very large and diverse plant family that has been divided in three subfamilies, Faboideae (beans, peas and their relatives), Mimosoideae (acacias and their relatives), and Caesalpinioideae. We are studying the evolutionary history of one branch of the caesalpinioiids, the “Umtiza clade,” which includes seven genera: Acrocarpus, Arcoa, Ceratonia, Gleditsia, Gymnocladus, Tetrapterocarpon and Umtiza. We are asking three main questions: (1) Are the seven genera within the Umtiza clade truly closest relatives to one another? (2) Which species is the closest relative to Gleditsia, Gymnocladus or Umtiza? (3) How many species of Gleditsia are there in eastern and southeastern Asia and what are their relationships to one another? We are attempting to answer these questions by comparing DNA sequences data among the Umtiza clade genera from two Low Copy Nuclear Genes, AT103 and SHMT. Molecular methods include polymerase chain reaction gene amplification, gel electrophoresis, and Sanger sequencing. To date, we have successfully amplified the genes and are currently working to obtain DNA sequences. Subsequent analyses will compare sequences to one another to see how closely they are related. Comparison can be accomplished by sequence alignment and comparing the data in a biological databases.

avery smith and kelsey carmack
The Proposal of the Feasibility to Implement Semester At Sea
After researching IU South Bend’s Study Abroad program, we became aware that there is not a vast amount of options for students to travel abroad. IUSB offers five trips where students can travel to Costa Rica, Mexico, London and Edinburgh, Berlin and Prague, or Florence. Each of these trips gives students the opportunity to receive six undergraduate credits (or two classes per trip) within the time frame of one to four weeks. This realization, lead Kelsey and I to present the feasibility of a new program to IUSB that allows students to travel to as many as 10 countries over the course of a full semester, known as Semester at Sea. IUSB’s Study Abroad Programs relate to History, Art, and English courses while the Semester at Sea Program diversifies the credits received with as many as 25
different areas (pertaining to various majors such as Engineering, Economics, Drama, Commerce, and Environmental Science). Our goal is to implement Semester at Sea to IUSB in hopes to tackle the price tag and provide students with the opportunity to be inspired for greatness by being enveloped culturally.

**Kayla Straub**

**Hemispheric Encoding of Memories**

False memories can be recognized as events that never happened or events that happened differently than remembered. Hemispheric specialization gives an understanding about the characteristics and functions that each hemisphere portrays. An unresolved question regarding memory is whether or not there are considerable differences between the hemispheres concerning word encoding of false memories which is what our study aims at uncovering. A theory by Westeberg, & Marsolek, 2003 found that the right visual field/left hemisphere (RVF/LH) is better at memory during retrieval suggesting that if the brain processes the words the same during encoding as it does during retrieval, our research should show that the RVF/LH is better at retaining memory of words that are shown during encoding. However; if the research done by Metcalfe, Funnell, Gazzainga, (1995) proving that the right hemisphere processes more veridical information while the left hemisphere contributes inferential meaning to words, our research should find that the right hemisphere is better at remembering previously shown words. Using the Deese-Roediger and McDermott paradigm (1959), subjects were shown a variety of words in either the left or right visual field. After, the subjects were asked to take a recognition test to identify if the word was new or old. The results showed that the RVF/LH was contributed with more false memories than the left visual field/ right hemisphere (LVF/RH). The data suggests that the right hemisphere processes only veridical information while the left hemisphere contributes inferential material to words creating more false memories in the left hemisphere.

**Mark Streeter**

**The Influence of Gender Expression on Adventure Travel**

The experience of travel is unavoidably influenced by one’s gender. Culturally defined gender differences strongly impact the nature and significance of travel for different individuals, specifically for women. Women adventure travelers must constantly contend with dominant cultural gender expectations that affect their travel experience. Historically, there are documented cases of women disguising themselves as men in order to more freely move and travel through a male dominated world. It is evident that in addition to the existential and physical challenges involved in many journey narratives, women travelers face a distinct set of cultural and societal obstacles that further influence the texture of their experience. To better understand women’s travel experiences and the relationship between gender and travel I will examine the historical significance of travel and its gendered implications. Likewise, I will examine case studies from both historical and contemporary travel narratives for how one’s outward gender expression affects one’s travel experience.
JACQUELINE THORNTON
The Relationship of Marriage, Love and Divorce in Pre and Post Modern China
Marriage and divorce have formed a rather complicated part of China’s history. Marital practices have changed increasingly from each period of Chinese history. Of particular interest is how marriage practices have changed over a century marked by numerous political upheavals and social revolutions, such as the Boxer Rebellion (1900) and the Communist Revolution (1949). The subject of marriage can be investigated by the freedoms that Chinese couples and women received from passed legislature. Marriage, divorce and concubines affected women and wives depending on the time period studied. Arguments that are also explored in this paper are how women and couple’s choices were great benefited by laws like the 1950 &1980 New Marriage Law. Both New Marriage Laws ended forced arranged marriage and concubinage and women could now divorce. Many scholars focus on how these laws actually had adverse affects on marriage because divorce rates often rose. Questions that I explored in this paper are 1) which major laws were passed that helped reform marriage, 2) what some of China’s marriage ceremonies were like in pre and post modern China, and 3) how women’s lives and feelings were effected by concubines, divorce and second marriages.

GEOFFREY TROWBRIDGE
Effects of Mood State upon Musical Preferences
Studies have shown that listeners routinely prefer happy-sounding music over sad-sounding music (Hunter, Schellenberg & Schimmack, 2010). However, anecdotal evidence suggests that sad-sounding music has a greater appeal for listeners in a negative mood state. Experimental like/dislike ratings reported by participants often do not correlate with objective perceptions of sadness in music (Schellenberg et. al., 2008), suggesting that other contextual factors may be in play when judging its appeal. Here we attempt to verify this by noting increased likability scores for minor mode and slow tempo among listeners whose mood has been negatively impacted. Subjects have been randomized into one of two test groups, and the mood state of each group was primed by reading a happy or sad story at the onset of the test. Each group then heard 28 music clips in random order, selected according to variations in mode (major/minor) and tempo (fast/slow). The participants rated the likability and emotion perception of each piece on a designated scale. The results will show the impact and interaction of all three factors (mood, mode and tempo). If the results demonstrate that either modality or tempo has a greater impact upon likability scores, we may conclude that the appeal of sad music is better explained by either mood congruency (mode), or by an inherent calming effect (tempo). The findings may have significant impact upon the nascent field of music therapy, where music is a critical tool for modification of a client’s emotional state as part of the therapeutic process.
RYAN TUSZYNISKI
Effect of Fun and Enjoyable Content on Working Memory
Development is part of the human life, moreover, cognitive development. Every day we expand our cognitive development by experiencing different situations and obtaining new information, but how we learn and obtain information changes depending on the stimulation. This study researches the effects of fun and enjoyable content on cognitive abilities. There are many cognitive abilities to investigate but this particular study is focused on short term memory or working memory and the effects of fun and enjoyable content on reading comprehension. 30 participants were randomly divided into two groups, Group A and Group B. Group A’s participants were required to read a short story that was broken up into 5 sections. In each break of the story the participants were exposed to fun and enjoyable content. Group B was also required to read the same short story. However, in opposition was not exposed to fun and enjoyable but dull and boring content. After reading the short story both group’s participants were required to answer ten multiple choice questions pertaining to the story. Although the results do not show a significant difference of an increase in working memory, the participants who were exposed to fun and enjoyable content had an average of 6 percent increase of correct responses. This study warrants further investigation to explore the effects of fun and enjoyable content on working memory through different stimulations.

SETH UMBAUGH
Media Hysteria and Racial Myth: Miscarriage of Justice in Luis Valdez’s “Zoot Suit” and Ken Burns’s “The Central Park Five”
In Luis Valdez’s “Zoot Suit” and Ken Burns’s “The Central Park Five”, two different real-life court cases involving falsely accused groups of black and Latino teenagers are recounted. In both cases, the mostly young male groups are convicted of the crimes in question, despite a lack of physical and genetic evidence linking them to the crimes. The trials are accompanied by a frenzy of news media coverage that criminalizes the young suspects by appealing to assumptions about the quality of their character based on their racialized physical appearances. By emphasizing the use of racial stereotypes in local media coverage surrounding the two cases, Valdez and Burns recast the teenagers in their respective stories as innocent victims of structural racism and suggest that assumptions about criminality and race are inherent to the justice system and become dominant public opinion as a result of biased coverage by the news media. “Zoot Suit” and “The Central Park Five” suggest that subject racialization in each story by the news media not only supports, but also becomes an essential component of the criminal justice system, creating an atmosphere in which minority suspects must attempt to prove their innocence in a criminal justice system which touts the claim that the accused are innocent until proven guilty.
HANNAH VAN
Growth beyond the CEO Office: Analyzing the Relationship between CEO’s Growth Initiatives and the Growth of the Firm

In virtually any organization, no leader is more influential than the chief executive officer (CEO) (Finkelstein, Hambrick, and Cannella, 2009). CEOs play central roles in the formulation and implementation of firm strategies (Chandler, 1962), they create a context through staffing, incentive systems, and culture) that influences decision making at every level of the organization (Yukl, 2008). This is particularly important given that CEOs’ values, personalities, and motives are manifested in their strategic decisions, an idea that forms the basis of upper echelons theory (Hambrick and Mason, 1984). An interesting finding concerning companies that grow fast is that they not only employ people, but also manage to survive better than companies that do not grow (Davidsson et al., 2001). In my report I am analyzing the relationship between CEO’s growth initiatives and the growth of the firm. I synthesized and disseminated evidence across all areas of business to create a systematic review. The research is centered on multiple meta-analysis, literature reviews, and personally conducted interviews. It could be validated by using more methods of qualitative research such as observational studies. In order to answer, what CEO growth initiatives have effect on the growth of the firm, I have remained specifically focusing on the correlation between practices disregarding outside variables. However, to the extent a CEO effects their company’s growth is entirely undeterminable. It can only play as one factor in impacting the growth. I hypothesis that the most effective practices for CEOs to contribute to firm growth are through the meeting put in place and atmosphere created around growth in the firm. Although sitting down with a set team of other decision making officials is necessary, it is first important to assess and encourage ideas from those in all sectors of the firm. The current study also investigated the conflict on the amount of time should be directed towards growth initiatives.

JONATHAN WELLS
Robust Acoustic Transducers for Bubble Chambers

The PICO collaboration utilizes bubble chambers filled with various superheated liquids as targets for dark matter. Acoustic sensors have proved able to distinguish nuclear recoils from radioactive background on an event-by-event basis. We have recently produced a more robust transducer which should be able to operate for years, rather than months, in the challenging environment of a heated high pressure hydraulic fluid outside these chambers.

TAYLOR WILEY
Class Acts and Choreophobia: Incorporating Masculinity in Dance

Dance is an integral part of many cultures, and it is often used as a way to foster connections between individuals and communities. However, despite dance being so universal, choreophobia, or Western culture’s contempt of professional dance, affects which dance styles men can perform in the public eye. This paper
examines what determines whether a given form of dance is “acceptable” or “unacceptable” for men to perform in public based on the perceptions of Western society. It also analyzes the attempts by the dance profession to make professional dance a “legit” masculine pursuit and the homophobic implications these attempts sometimes harbor.

CHRISTOPHER WILLIAMS
My College (Re)Fund: Is the price of Higher Education too high?
In this paper I look at the facts and figures surrounding college student loan debt in this country, using local level knowledge and my own personal experience to try and figure out why students have changed from a resource to be appreciated by our society for what we achieve into a commodity which is used to make our government (State and Federal) money.

CHRISTOPHER WILLIAMS
“Vincent”
This personal essay reflects on the impact of not only art, but of pop culture and how it can affect a life in positive ways when they work in concert to change the way one looks at the world.

BENJAMIN WINELAND
Then and Now: The Origins and Development of the LGBT Community in South Bend
Using oral interviews contained within the IU South Bend Schurz Library Archives, this paper will trace the history of South Bend’s LGBT community, beginning from the bar scene explosion of the 80’s and early 90’s, up until the present day. This topic has never been written about before, and so the goal of my paper is to identify the origins of the LGBT Community in South Bend, and then to look at how the community has developed from those beginnings, specifically in terms of visibility and activism, and also in the context of the national movement.

JANE WISE
“Terrible Shapes”: The Beginnings of the Gothic in Daniel Defoe’s ‘Roxana’
Although ‘Roxana’ has been previously identified as ‘realist’ fiction, my paper aims to present Defoe’s work as part of the beginnings of the gothic tradition. The gothic tradition has been classified as the embodiment of women’s rejection of patriarchal systems; therefore, I argue that Roxana’s reactionary fears towards prescribed gender roles supports the idea that the text can be categorized as a gothic work.

NICOLAS WORT
Between the Takers and the ‘Tooken’: Analyzing Shifting Masculinity in Lorraine Hansberry’s A Raisin in the Sun
Throughout Lorraine Hansberry’s A Raisin in the Sun we see one of the main characters, Walter, attempt to construct his own masculinity based on the emulation of white men in high socioeconomic standing. Through this emulation,
Walter creates a connection between socioeconomic position, power, whiteness, and masculinity. This connection is shown through Walter’s sexist remarks, his emulation of racist ideology, his belief in capitalist ideology, and through numerous other instances where Walter explains his hopes and dreams. Towards the end of the play, we see Walter’s construction of masculinity based on the above points begin to break down, leading to the end of the play, where we see Walter refute these ideas, accept his family (notably, their hopes and ambitions), and construct his own form of masculinity that is separate from the aforementioned ideas that he had previously used to create his view of masculinity. It is through this new construction that the character is able to stand up the racism that is being pushed onto him and his family. Thus, the text argues that the rejection of white patriarchal power systems and capitalist ideology, as well as the acceptance of one’s own community, are need to stand up to the racism of the play’s time. This paper reaches the aforementioned conclusion using a wide variety of research sources including other academic papers wrote on A Raisin in the Sun, books analyzing historical constructions of African American masculinity, and a variety of other works dealing with similar topics.

Gabrielle Yost

Preferred Music to Enhance Memory

Listening to music while studying is a common occurrence in many people’s daily lives, but does it enhance memory or hinder it? Two theories exist on this matter. One theory suggests that music hinders memory because it diverts attentional resources away from the studied material (Banbury, Macken, Tremblay & Jones, 2001). An alternative theory states that music enhances positive emotions, thereby enhancing your ability to recall the studied material (Jancke, 2008). Here we report a study investigating the effects of music on working memory. Participants viewed spot the difference pictures (near-identical pictures presented side-by-side) while listening to preferred music and non-preferred music. Results suggest more differences were found while listening to preferred music. Also, participants reported their moods to be better after listening to their preferred genre. This supports the theory that music enhances memory by increasing positive emotions. Implications of studying and listening to music simultaneously, memory enhancement, and mood will be discussed.