



**GREAT PLAINS HONORS COUNCIL
ANNUAL CONFERENCE**

Experimenting in Honors

**April 1 - 3, 2011
Arlington, Texas**

**Hosted by the Honors College,
The University of Texas at Arlington**

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Conference Theme: Experimenting in Honors

Too often as we toil in the honors vineyard, we allow the demands of our day-to-day routine to consume the better part of our energies. With complacency comes inertia: we become inclined to put off reviewing our initiatives, policies and procedures until change confronts us in the form of, e.g., new leadership, program review, and budget vicissitudes.

A proactive approach to reviewing how we do what we do has its costs-but it also provides significant potential for noteworthy, even exhilarating, improvement. Let us resolve to shake off the cobwebs and approach our endeavors anew. Let us move beyond what is obvious and easy, and let us do so boldly. Thinking big and taking risks can energize our students and, not least, our honors staffs; and for this reason alone, experimenting has merit quite apart from any improvements that result.

SCHEDULE AT A GLANCE

Friday, April 1 (UT Arlington campus, E.H. Hereford University Center)

12:00 noon - 8:00 p.m. Conference check-in (Bluebonnet Ballroom Foyer)

12:00 noon - 6:00 p.m. UT Arlington shuttle bus circulates between UTA Campus and Arlington Hilton

Optional Friday activities: see page 5 (meet in the Bluebonnet Ballroom Foyer)

4:00-5:00 p.m. Session: NCHC Certification of Honors Programs (San Saba Room, second floor) Dr. Gary Bell, Texas Tech University, and Dr. Robert Spurrier, Oklahoma State University

NCHC's Board of Directors adopted the following motion in 2010: "Approve *planning* by the Assessment and Evaluation Committee to develop a system to be approved by the Board of Directors for *completely voluntary* certification of honors colleges or programs by NCHC available beginning in 2014." [Emphasis added.] Two current NCHC national officers will facilitate discussion of what this may mean for honors programs and honors colleges at GPHC institutions if eventually implemented by the NCHC Board, how such certification might be prove beneficial, and possible pitfalls involved with voluntary certification of honors programs and honors colleges by NCHC.

5:00 p.m. Welcome, Dinner and Plenary Speaker: Dr. Roy Hawthorne, WWII Navajo Code Talker (Bluebonnet Ballroom)

6:30 p.m. Boe Award summaries (Bluebonnet Ballroom)

Boe Award Winners - 60 or fewer earned credit hours:

Tricia Lestarjette, Lee College
Alex Leme, The University of Arkansas at Little Rock
Cheryl Dabney, Lee College

Boe Award Winners - more than 60 earned credit hours:

David Bulger, Oral Roberts University
Kimberley Sams, University of Texas at Arlington
Rebekah Kopsky, University of North Texas

7:00 p.m. Poster Session (Palo Duro Lounge)

9:00 p.m. Shuttle buses return to Hilton Arlington (Bluebonnet Ballroom Foyer)

Saturday, April 2 (in the Hilton Arlington unless otherwise noted)

6:45-10:00 a.m. Check-in

7:00-7:50 a.m. Continental breakfast (Grand Foyer)

8:00-8:50 a.m. "A" Sessions, Individual/Panel Presentations

9:00-9:50 a.m. "B" Sessions, Individual/Panel Presentations

10:00-10:50 a.m. “C” Sessions, Individual/Panel Presentations

11:00-11:50 a.m. Boe Award Presentations (Capitol Ballroom I and II)

12:00-1:00 p.m. Lunch and plenary speaker: Dr. Mary Vaccaro, Professor of Art History at UT Arlington (Grand Ballroom)

1:00 p.m. Board buses for Fort Worth Museum District (North First Floor Entrance/Exit)

1:30-5:00 p.m. Fort Worth Museum District excursion

5:00 p.m. Board buses for Hilton Arlington

5:30 p.m. Arrive Hilton Arlington - Free Time

6:30 p.m. Dinner and plenary speaker: Dr. Dennis Maher, Associate Professor of Theatre Arts at UT Arlington, as Mark Twain (Grand Ballroom)

Sunday, April 3

7:30 a.m. Students - breakfast on your own

8:00 a.m. GPHC Business Meeting and Directors/Deans Breakfast (Capitol Ballroom I)

10:00 a.m. Adjourn

Friday Optional Activities

Friday, April 1

To take part in one or more of the optional tours and activities, assemble in the Foyer of the Bluebonnet Ballroom prior to departure time. Wear comfortable shoes and clothing for walking. UT Arlington shuttle buses will circulate between the Arlington Hilton and the University Center from 12:00 noon until 5:30 p.m. Friday. All optional activities are free except the tour of Cowboys Stadium.

2:00 p.m. Cowboys Stadium Tour (\$20 ticket required)

2:00 p.m. Tour of the UT Arlington Campus (given by MavElite tour guides)

2:00 p.m. Tour of new UT Arlington Engineering Research Building

3:00 p.m. Cowboys Stadium Tour (\$20 ticket required)

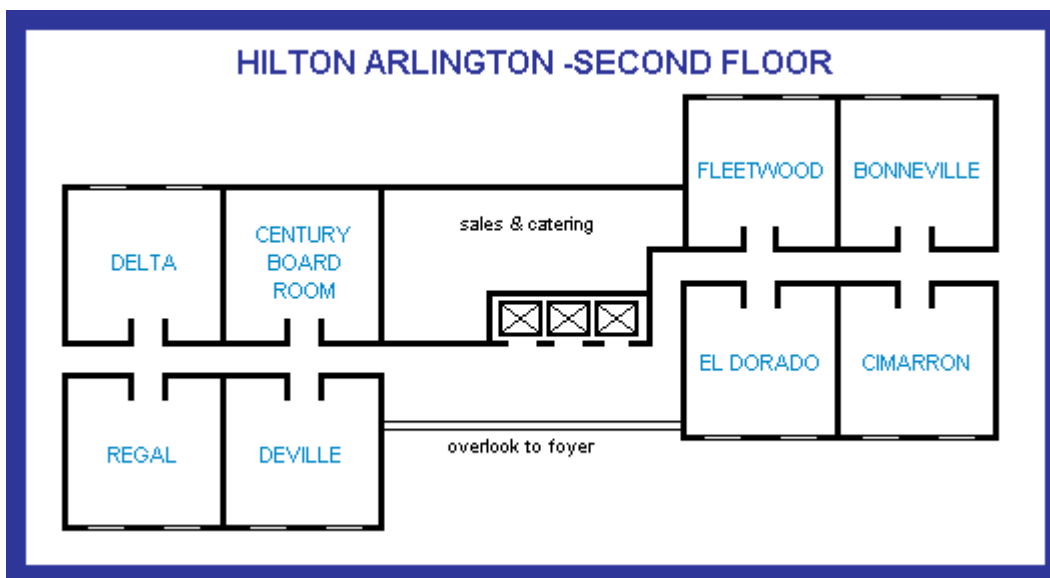
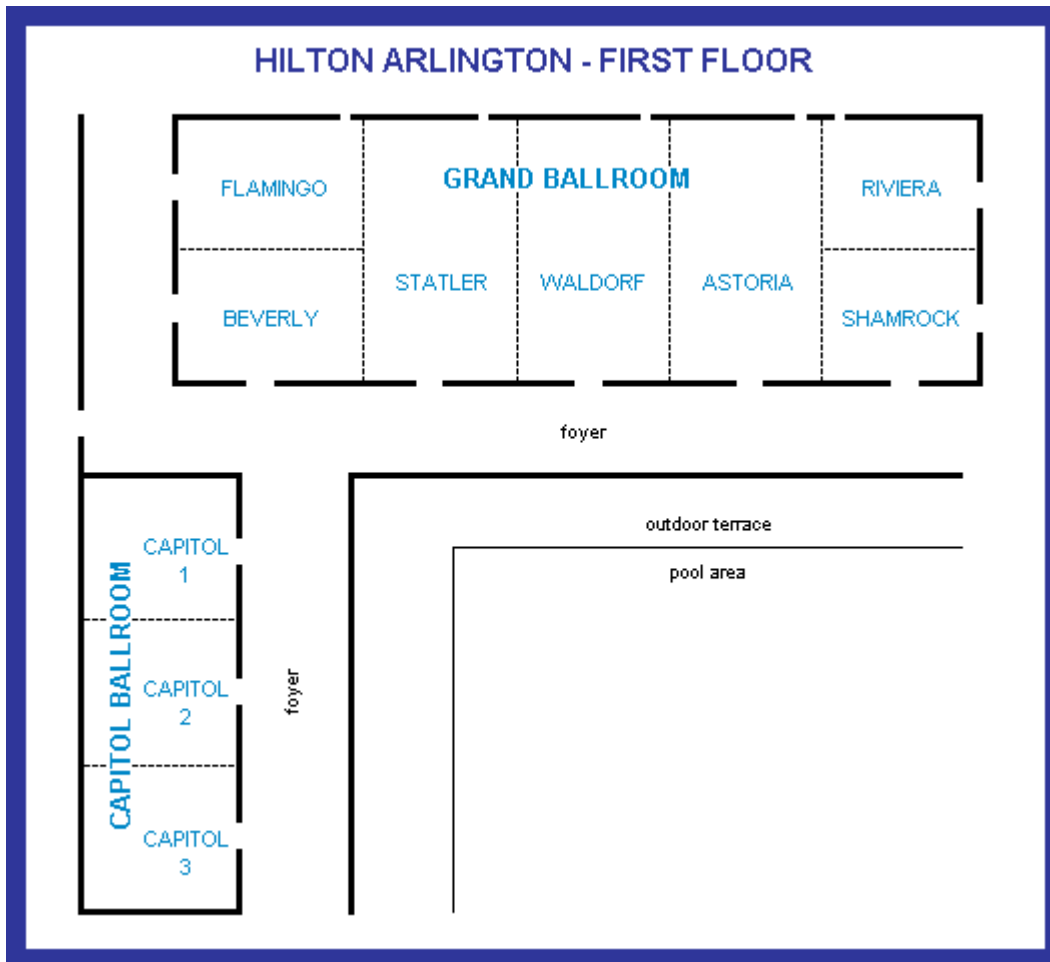
3:00 p.m. “Violent Universe” show at the UT Arlington Planetarium

3:30 p.m. Tour of the UT Arlington Campus (given by MavElite tour guides)

3:30 p.m. Tour of the UT Arlington Smart Hospital

4:00 p.m. “Magnificent Sun” show at the UT Arlington Planetarium

GUIDE TO THE HILTON ARLINGTON



Restaurant, gift shop, fitness room, business center and swimming pool located on the first floor

Saturday, April 2

INDIVIDUAL AND PANEL ORAL PRESENTATIONS

“A” Sessions, 8:00-8:50 a.m. (* denotes Faculty/Staff/Administrator presentation)

Session	Room	Presentations
A1	Delta	Moderator: Chris Willerton “Denton Cooley, M.D., and the Benefits of Scientific Athleticism” (Jessica Rogers, Northeast Texas Community College) “Lyndon B. Johnson and the Idea of Space” (Clayton Ferguson, Northeast Texas Community College) “Paul Jones: Templar or Terrorist?” (Joseph Jacobi, East Central University)
A2	Fleetwood	Moderator: James Mauldin “The Effect of Color Space on Wavelet Image Compression” (Yolanda Fay Elias, Angelo State University) “The Importance of Multimedia Design in a Digitalized World” (Kalyn Barnoski, Rogers State University) “Innovative Techniques for Electronic Thermal Analysis” (William Walker, West Texas A&M University)
A3	El Dorado	Moderator: John Korstad *“Sustainability in Various Disciplines - What Does It Really Mean, and How Might Honors Help Reconcile Differences” – 20 minutes (John Korstad and Ashley Sweeney, Oral Roberts University) *“The Uncontrolled Experiment—Changing Everything!” – 20 minutes (Sumana Datta, Texas A&M University – College Station)
A4	Cimarron	Moderator: Juliana Lehman “Another Definition of Artifact: A Look at the Use of Survivors as Representations of Tragedy” (Alley Agee, Oklahoma City University) “Croatia Fragments: An Overview of Its History, Culture and Science” (Stephan Birac, Alvin Community College) “The Reunification of Cameroon” (Arrey-Njock Takang Orock, Midwestern State University)
A5	Capitol I	Moderator: Raymond Green “Comparative Strength and Structure of the Humeri of Turtles (Order Testudines)” (Jordan Hearod, East Central University) “Population Genetic Study of the Ghost Shrimp <i>Lepidopthlaus louisianensis</i> ” (Amber Deschamps, Abilene Christian University) “Possible Protein Interaction between Maspardin and ALDH18A1 in Mast Syndrome” (Mary Mason, Texas A&M Universtiy – Commerce)
A6	Capitol II	Moderator: Brad Gambill “Mary Magdalene: Misreadings of Her Character” (Victoria Bennett, John Brown University) “Love and Heresy: How Social Deviants Banded Together to Change the Medieval World” (Lindsey Seader, John Brown University) “Revival Essentials: Bringing Jonathan Edwards to the Modern Audience” (Eric Schrag, Hutchinson Community College)

- A7 Capitol III Moderator: Virginia Brackett**
 “Investigating the Possibility of Creating a Financial Literacy Nonprofit Organization for College Students”
 (Charif Hamidi, Park University)
 “Re-Appropriating Self-Fulfilling Prophecy within the African-American Community”
 (Lasonya McElroy, Emporia State University)
 “Wal-Mart: The Effects of a Monopoly”
 (Sara Nickell and Kathleen Stewart, Texas Woman's University)

“B” Sessions, 9:00-9:50 a.m.

Session	Room	Presentation
B1	Delta	<p>Moderator: William Clamurro “Narrative and Perspective: A Look at Early 17th-Century Spanish Fiction” (Chase McIver, Emporia State University) “The Qualities of Freud’s Narcissist as Found within Aylmer from Nathaniel Hawthorne’s <i>The Birth-mark</i>” (Gretchen Knurr, Oral Roberts University) “Hearth and Hearthache: The Pivotal Role of the Home in 19th-Century Literature and Social Progress” (Cara Dublin, The University of Tulsa)</p>
B2	Regal	<p>Moderator: Jessica Roark * “Administrative Collaboration in Honors” – 20 minutes (Jessica Roark and Robert Spurrier, Oklahoma State University) * “Stressed Honors Students and Mental Health: Sharing Strategies to Help” – 20 minutes (Kathey Walker and Jessica Mallard, West Texas A&M University)</p>
B3	Deville	<p>Moderator: David Lawless “Shades of Red: The Death of Radical Oklahoma” (Randall Young, Tulsa Community College) “The Oil Field Foundation of Mont Belvieu, Texas” (Kellen Reid, Lee College) “Oppression and Rebellion in American Novels: A Political/Philosophical Reading” (Greg Jeffers, Abilene Christian University)</p>
B4	Fleetwood	<p>Moderator: Virginia McCombs “The Effect of Manganese Toxicity on <i>Drosophila melanogaster</i> (Fruit Fly) Development” (Aiden Galarza, Park University) “Analytical Method Development for Determining the Biomarker 2-Aminothiazoline-4-Carboxylic Acid (ATCA) in Mice Liver after Cyanide Exposure” (Katelyn Stafford, Sam Houston State University) “Magnetars: Magnets in the Sky” (Erica Olavarria, Oklahoma City University)</p>
B5	El Dorado	<p>Moderator: Mark Faris “For the Love of Love: A Rhetorical Analysis of <i>The Bachelor</i>” (Amanda Goodall, Abilene Christian University) “Odysseus: The Ancient James Bond” (Kyle Christian, Midwestern State University) “Not Just Another Damsel in Distress” (Jamie Odom, John Brown University)</p>

- B6** **Cimarron** **Moderator: Anne Phillips**
 “Effects of Energy Drinks Containing High Caffeine on the Heart’s Activities and Heart Rate”
 (Han Huynh, San Jacinto College)
 “Is the Overuse of Sunscreen Causing Us to Be Vitamin D Deficient?”
 (Twyla Jackson, Lubbock Christian University)
 “The History of Pharmacy and Medicine in America”
 (Chelsey Triplett, Tulsa Community College)
- B7** **Capitol I** **Moderator: Kathy Stein**
 “Chemical Love: The Neuroscience of Attraction”
 (Salvador Reyes-Fabre, Brazosport College)
 “The Effects of Androstadienone on Human Behavior”
 (Shaheena Anene, Angelo State University)
 “Selective Pharmacological Manipulations of a Multimodal Pain Model”
 (Ali Alam, The University of Texas at Arlington)
- B8** **Capitol II** **Moderator: Eileen Turan**
 “Country Music in America: True Grit or Brave New World?”
 (Violet Thompson, Northeast Texas Community College)
 “Analysis of ‘Oh! Had I Jubal’s Lyre’ from *Joshua*, by George Frideric Handel, 1747”
 (Kirsten Gabbert, John Brown University)
 “I Am Not Writing This About You: A Collection of Original Poetry”
 (Robert Bruno, The University of Arkansas at Little Rock)
- B9** **Capitol III** **Moderator: Deborah Blackwell**
 “Reconceptualizing the Southwest: A Chicano Ecocritical Discourse of Arturo Islas’ Novel *The Rain God*”
 (Neri Sandoval, The University of Texas at Arlington)
 “*Dos Nacionalidades*, Running Through My Veins”
 (Arlyn Martinez, Texas A&M International University)
 “Rocks, Papers, and Sometimes Scissors: The Challenges of Collections Management”
 (Amanda Arzigian, Abilene Christian University)

“C” Sessions, 10:00-10:50 a.m.

Session	Room	Presentation
C1	Delta	Moderator: Douglas Simmons “The Role of Women in Turkish Politics and Development” (Meghan Clark, Abilene Christian University) “Strange Bedfellows: Louise and Queenie” (Paul Knowles, San Jacinto College) “Jane Austen: The Woman Question” (Morgan Honnold, John Brown University)
C2	Regal	Moderator: Jessica Mallard *“Supporting Your Commitment to Honors Education during the Economic Downturn” – 50 minutes (Jessica Mallard and Kathey Walker, West Texas A&M University)
C3	Deville	Moderator: Denise Dutton “Uniting Private Judgments in the Ages of Revolution and Reflection” (Marla Blum, University of Tulsa)

- “Innocent Victim or Righteous Pagan: The Question of Emeth in C.S. Lewis’
The Last Battle”
(Esther Carey, John Brown University)
- “Coextensive Traits and the Cognitive Mind: An Argument against Natural
Selection”
(Joshua Price, John Brown University)
- C4** **Fleetwood** **Moderator: Susan Eve**
 “Redeeming the City: Henry Cisneros and the Idea of Democratic Morphology”
 (Carlos Mendez, Northeast Texas Community College)
 “Plastic Recycling in America and an Alternative”
 (Laticia Warren, John Brown University)
 “Community Development: A Holistic Approach Using Dr. John Perkins’ 3 R’s
 of Community Development”
 (Will Chesher, Cassandra Castellonet, Catherine Harbor and Joseph Roberts,
 John Brown University)
- C5** **El Dorado** **Moderator: Guy Litton**
 “Of Wrongful Imprisonment and Mad Doctors: Victorian Asylums in *The
 Woman in White* and *Dracula*”
 (Christina Wagoner, Texas Woman’s University)
 “Once Upon an End: A Modernist Fairytale”
 (Hannah Covington, Oral Roberts University)
 “Cynthia Ann Parker and Domesticism”
 (Maricely Gomez, Northeast Texas Community College)
- C6** **Cimarron** **Moderator: Jean Sorensen**
 “A Cognitive Theory on Reciprocal Intelligence: How English and Mathematics
 Hold the Key to Educational Reform”
 (Josh Collins, Hutchinson Community College)
 “Bias and Reader-Response Pedagogy”
 (Frances Busby, Emporia State University)
 “The Supplemental Instruction Program at Brazosport College: Experiencing the
 Classroom from the Other Side of the Podium”
 (Clayton Shepherd, Brazosport College)
- C7** **Capitol I** **Moderator: Kathy Stein**
 “Culberson County, Texas: The Unreported County in Regards to Cancer
 Occurrence”
 (Dianna Marin, Sul Ross State University)
 “The Effect of Tumor-Specific Amplitude-Modulated Electromagnetic Fields on
 Hepatocellular Carcinoma”
 (Ryne Ramaker, The University of Arkansas at Little Rock)
 “Animal Testing for Cosmetic Purposes”
 (Heather Nance, Alvin Community College)
- C8** **Capitol II** **Moderator: Pat Decker**
 “A Taoist Approach to Happiness”
 (Matthew Williams, Lone Star College - Montgomery)
 “Religion, Art, and Myth-Making: The Halo as an Expression of Ultimate
 Reality”
 (Christopher Stratman, Johnson County Community College)
 “‘Don’t Think of the Prodigal’ and ‘The Rest of the Story’: Luke 15:11-32”
 (Joanna Chenoweth, Oklahoma City University)
- C9** **Capitol III** **Moderator: Joe Stephenson**
 “Cultural Distortion: The Dedication of the Thomas ‘Stonewall’ Jackson
 Monument at Manassas National Battlefield Park”
 (Shae Adams, Sam Houston State University)

“Party Identification and Representative Voting”
(Briana Lamb, Stephen F. Austin State University)
“The People Are Their Land”
(Andrea Good, John Brown University)

BOE AWARD PRESENTATIONS

11:00-11:50 a.m.

Capitol I Ballroom

Moderator: Jessica Roark, GPHC President

Tricia Lestarjette, Lee College:

“Caught in the Cave: A paper on *A Streetcar Named Desire* by Tennessee Williams through the Eyes of Plato’s ‘Allegory of a Cave’”

This presentation applies Plato's "Allegory of a Cave" to Tennessee Williams' play *A Streetcar Named Desire*. I focus on the protagonist, Blanche Dubois, and use the "Allegory" to explain her behaviors and motivations. I explain and identify the elements of the cave in relation to her and propose a theory about a possible element Plato left out of his "Allegory."

Alex Leme, The University of Arkansas at Little Rock:

“The Myth of Demeter and Persephone as Metaphor for Sexual Initiation”

The myth of Demeter and Persephone is unquestionably the most important myth that focuses on the lives of women in antiquity, therefore generating much interest among scholars. By analyzing the different ways in which artists depicted the myth in antiquity, this paper will argue that the myth of Demeter and Persephone is in fact a metaphor for a woman's sexual initiation.

Cheryl Dabney, Lee College:

“A Betrayal of Self: Sylvia’s Journey in ‘A White Heron’”

This research examines Sarah Orne Jewett's "A White Heron" and shows the damage that occurs when the beginning chapters of Genesis are erroneously used as the basis for a belief system or social structure. Through Sylvia's journey, we learn if women's and nature's purpose for existence is viewed through the western cultural understanding of Genesis, then they are at risk of being devalued and discarded, treated with a lack of dignity and reverence, stripped of their sense of self and true purpose, and used as trophies on a shelf.

Capitol II Ballroom

Moderator: Ken Buckman, Dennis Boe Award Committee Chair, GPHC Vice President and President-Elect

David Bulgar, Oral Roberts University

“Biodiversity in the Great Smoky Mountains National Park: Past and Present Measurements”

This study evaluates and compares biodiversity levels at eleven sites in the Great Smoky Mountains National Park (GSMNP) using data from the All Taxa Biodiversity Inventory (ATBI). Alpha, beta, and gamma diversities, as well as the Shannon-Weiner index, Simpson's index, and Fisher's Log Series Distribution were used to describe the diversities of, between, and among the sites. The distributions as suggested by the ATBI Pilot Study data were compared to those concluded by Whittaker in 1952. The ATBI Pilot Study data suggests that biodiversity is striking in the GSMNP and that revisiting Whittaker's conclusions is worthwhile.

Kimberly Sams, The University of Texas at Arlington:

“Claiming Power and Agency: Medieval Women's Self-Perceptions in Fifteenth-Century Family Letters”

This paper builds upon established knowledge to ascertain specific medieval women's development of self within their familial roles. With the goal of gaining a significantly personal view, the primary source for each woman is the letters she wrote. I assert that, despite living in societies that were repressive, these women were fully aware of

themselves as individuals and that the letters grant us a personal view demonstrating the presence of strong, deeply unique, identities.

Rebekah Kopsky, University of North Texas:

“Death Row Days: Factors Affecting the Rate of Execution in the State of Texas”

In this paper, I examine which factors influence the amount of time an offender spends on death row in Texas. Specifically, I examine the relationship between the race of the offenders and the race of the victims, the victim's cause of death, the reason the offender was eligible for the death penalty, and the nature of the relationship between the offender and the victim. While the model does not support my racial hypothesis, it does show that Texas executes, at a faster rate, offenders with multiple victims and offenders who were familiar with their victims.

POSTER COLLECTION ABSTRACTS (Friday, 7:00-9:00 p.m.)

P1 Symbolism in Religion **Poster #1**
Karin Jacobson (Neosho County Community College)

Symbolism in religion appears in many forms. It can be a physical object, a building design, clothing or a ritual. People often overlook some of the symbolism in religion because they are only looking at physical symbols. The symbolism in religion is so much more, and helps bind together members of that religion in different ways.

P1 Bibliotherapy and the Benefits It Provides Children Coping with Death **Poster #2**
Kelsey Romig (Rogers State University)

The paper will present the effectiveness of bibliotherapy, the use of books to aid children coping with death and to facilitate open discussions between children and parents. Bibliotherapy provides the pictorial and verbal resources to make death easier to understand for children, while still being accurate and honest about the facts. The essay also analyzes three children's books according to bibliotherapy standards: *Saying Goodbye to LuLu* by Corinne Demas (2004), *When Someone Very Special Dies* by Marge Heegaard (1988), and *Dinosaurs Die: A Guide to Understanding Death* by Laurie Krasny Brown and Marc Brown (2009).

P1 The Efficiency of Sexed Semen on Lactating Dairy Cows **Poster #3**
Summer Riggins and Katie Duysen (Redlands Community College)

Using sexed semen is becoming more of a reality for many dairy farmers. Not only does it increase efficiency, but it has created a higher conception rate. As the semen goes through the sorting process, damaged and dead semen are sorted off, and therefore producers are left with a greater chance of a successful breed. With the ability to select the gender of the calf through sexed semen, there is no question that owner revenues will increase. This proposed study will attempt to answer the question whether sexed semen is more efficient in lactating dairy cows, rather than non-lactating.

P1 Small Business Development and the Transformation of a Town **Poster #4**
Ashlee Noblin (Tarleton State University)

With the help of the Small Business Development Center, I am helping conduct research for a local business owner in developing her newly purchased building. Her building is located in downtown Stephenville, which is a problem spot for small business because of the lack of foot traffic and appeal to the community. From our research we will be able to provide sufficient evidence on which type of business will be the best fit for the city, the college, and visitors. Through our work we hope that this will begin to bring small business back to downtown Stephenville.

P1 Overview of JFK Conspiracy Theories **Poster #5**
Michael Dieker (Neosho County Community College)

Most Americans know November 22, 1963 as the date that John F. Kennedy was assassinated. The perfect suspect for this crime was Lee Harvey Oswald. Before Oswald could be tried, however, he was shot and killed by Jack Ruby, raising the possibility that the assassination was a conspiracy and that Ruby was silencing him. The Warren Commission ruled in 1964 that Oswald had acted alone, but many theorists believe that a second gunman was involved in the assassination. To this day people believe that it is a conspiracy. This is an abiding enigma in American history.

- P1 Investigation of Nitrogen-Fixing Bacteria *Pseudomonas* and *Bacillus* Commonly Found at Shallow Depths in an Urban Ecosystem**
Bailee Russell (Rose State College) **Poster #6**

Nitrogen-fixing bacteria are commonly found in soil, and are vital for research in the field of biotechnology. The Russian microbiologist Sergei Winogradsky is famous for being the first to study organisms capable of nitrogen fixation and denitrification, primarily the *Azotobacter* Family. Rose State College in Midwest City, Oklahoma, is in the flight path of the planes from Tinker Airforce Base. Because of the high levels of nitrogen oxides released as waste from the planes, one would expect the Rose State soil to consist mainly of soil bacteria capable of nitrogen-fixation and denitrification, and possibly members of the *Azotobacter* Family.

- P1 Sex Shift: A Historical Examination of Sexual Imagery**
Lauren Devoll (Tarrant County College District - NW Campus) **Poster #7**

From ancient times, sexual imagery has played an undeniable role in representing the art of an age. In the last few decades, however, overtly sexual images have overtaken mainstream media. Advertising, Hollywood films, television series and popular music lyrics are rampant with sexual content and imagery. This project examines the role sexual imagery has played in cultures past and present with a view to predicting its future. By focusing on the media's depiction of women in film and music lyrics, it will be argued that the artistic value of sexual imagery has been depreciated because of its mass production.

- P1 The Best Practices of Implants in Beef Cattle**
Jarrold Cole and Taylor Mefford (Redlands Community College) **Poster #8**

The historical use of implants in ruminants dates back to 1947, with the first implanting of Hereford heifers with diethylstilbestrol. It is recognized that the use of anabolic implants in beef cattle offers the fastest and most efficient return on expenses and nutrition. Although this may be true with respect to increased weight gain and improved feed efficiency, the influence of anabolic implants on carcass characteristics has not been entirely positive. Using implants in beef cattle is one of today's most cost-efficient methods of growth enhancement. This research examines the best ways to handle implants in beef cattle.

- P1 American Goddess: Lucy H. Pickens**
Karli Peek (Northeast Texas Community College) **Poster #9**

One of the most enduring deities throughout history has been the fertility or sex goddess. In the United States, there have been only a few women whom I would call Venus Prototypes. Unlike the many pretty faces that appear and fade in beauty contests or movies, a Venus Prototype is idolized; her image inspires a prolonged veneration that leads to significant social action. There have only been two main Venus Prototypes in American history, those who have inspired social action, and have achieved a lasting legacy: Marilyn Monroe and Lucy H. Pickens, who became "Queen of the Confederacy."

- P1 The Spread of Communism**
Tim Oglesby (Neosho County Community College) **Poster #10**

This project surveys the history of communism from the time of the ancient Greek city-state of Sparta through the 20th century. The most dominant communist power the world has ever seen was the USSR, but it was the first major communist government to collapse. This paper examines the reasons for its collapse, concluding that a major role was played by the worldwide spread of information technology in the last generation. The USSR was unable to control the amount and type of information its citizens could access, notably via the Internet. It is now worth asking how long communism will survive.

- P1 Effects of Cognitive Task on Postural Stability**
Elizabeth Black (Angelo State University) **Poster #11**

This study examined the degree to which a cognitive task affects a person's balance. The research used the task of texting to determine whether or not a cognitive task has an effect on a person's balance. Subjects performed two separate balance tasks on the Biodex Balance SD, each once with the cognitive load and once without the cognitive load. The balance tasks test the subject's postural stability and limits of stability. Two clinical measures, the Star Excursion Balance Test and the Hop Test, were used to help determine the validity and reliability of the Biodex Balance tests.

- P1 Post-Traumatic Stress Disorder in Society**
Eloisa Tarango (West Texas A&M University) **Poster #12**

This project explored the literature on differences among sufferers of post-traumatic stress disorder (PTSD).

Comparisons were made between individual men and women and between adults and children in both the military and civilian worlds. Subsequently, data collected from PTSD adult patients were compared to data collected from children. No significant statistical differences were found between men and women, and effects of post-traumatic stress disorder on children cannot yet be considered, owing to limited data available. The effects of PTSD on individuals appear to relate more to the management skills of the person than to the physical effects of this disorder.

P1 The Many Contradictions of Phyllis Schlafly
Rikki Wilkins (Tarrant County College District - NW Campus) **Poster #13**

Phyllis Schlafly is both loved and hated in the realm of American politics. Most known for her controversial anti-feminist/pro-family movement, and her role in defeating the Equal Rights Amendment, Schlafly has often been called a hypocrite by feminists because of her personal life. This research project examines the aspects of Schlafly's life most often attacked by feminists to determine the validity of their claims of hypocrisy.

P1 Synthesis of Quaternary Ammonium Salts for Application as Antifouling Agents
Houda El Fakir (The University of Texas at Arlington) **Poster #14**

Antifouling agents are used to prevent accumulation of marine fouling, which is the unwanted growth of marine organisms on the hulls of ships and other surfaces submerged in water. Removal of biofouling has come with an environmental and economic cost. The objective of my research is to prepare smaller, less complex molecules, not modified from natural products, which will have the same effect as the natural products, but require less chemical preparation to construct, thus limiting the environmental footprint of these marine coatings.

P1 The Band That Changed Everything
Lisa Lageschaar (Northeast Texas Community College) **Poster #15**

Long before today's modern social networking tools that condense time and space, the Beatles, through an amalgamation of western Baroque style and eastern music and philosophy, served as a musical precursor to an increasingly global community. The Beatles foreshadowed the "flattening of the world" that Thomas L. Friedman discovered. The Beatles incorporated styles and instruments from previous time periods and eastern elements into their music. The incorporation of these elements makes the Beatles the most influential band of all time. These are some of the reasons why, as iTunes has acknowledged, the Beatles were "the band that changed everything."

P1 Get Up and Get Moving: Music and Movement's Role in Early Childhood Development
Rosa Denton (East Central University) **Poster #16**

Come along with me as I delve into the importance of music, movement, and/or interactions within early childhood education curriculum, and how these elements affect cognitive, physical, and socio-emotional development.

P1 Technology, Nutrition, and Fitness
Ahna Spencer (Tarrant County College) **Poster #17**

America is one of the leading nations in technological advances, and also obesity. To fight back against our growing number of overweight individuals, companies have begun creating more programs and devices to get people moving and eating healthier diets. These advances are readily available in the form of phone applications, websites, and even video games.

P1 In-Use Test of the Odorox® M.D.U. (Mobile Disinfection Unit)
Cynthia Reinoso (West Texas A&M University) **Poster #18**

The Odorox M.D.U. (Mobile Disinfection Unit) filters air and releases hydroxyl radicals that interact with bacteria, mold and viruses on surfaces and in air. We performed an "in-use test" to assess the instrument's effectiveness by testing it in the third-floor break room of the WTAMU Agricultural and Science Building. Seven surfaces were swabbed initially and after running the unit for 24 hours, and open Petri plates were placed throughout the room. Forty colony counts were purified and identified using the BioMerieux VITEK 2 identification system. There were fewer bacteria obtained after running the Odorox M.D.U. for 24 hours.

P1 Characterization of Resonant Cavities in Terahertz Parallel Plate Waveguides
Blake McCracken (Angelo State University) **Poster #19**

We investigate the resonant frequencies and transmission characteristics of different-sized grooves in aluminum plates in order to determine which groove will be most suitable for microfluidic sensing. We machine grooves of varying geometries into aluminum plates, which are then used to form parallel-plate waveguides. Sub-picosecond terahertz pulses are used to excite the lowest-order transverse-electric (TE₁) mode in the waveguides, and the output spectrum

is analyzed to determine the resonant frequency and quality factor of each groove geometry. We can use this information to determine which groove gives the highest Q-factor, increasing the sensitivity of a groove-based microfluidic sensor.

P1 The Evolution of Freedom of Speech
Tierra Defebaugh (Neosho County Community College)

Poster #20

The US was founded to counter repression of thoughts and ideas by church and state. The founders set up a system of checks and balances that would not allow any leader or outside influence to impose the repression experienced in England. The ideas for the Constitution and the Bill of Rights were a long time coming, and the interpretation of the right to Freedom of Speech continues to evolve. Many Supreme Court cases have shaped it since 1771, and cases such as *Schenk v. United States* and *Snyder v. Phelps* ensure that it will continue to evolve for years to come.

P1 Effective Interpersonal Communication Between Different Gender Communication Styles
Silvia Solis (Texas A&M International University)

Poster #21

The creation of gender communication styles goes back into the genetic makeup of both men and women. There are many theories that attempt to explain the emergence of differences between the two genders. Genetic, psychoanalytical, behavioral, and cognitive approaches define certain facets of what separates men and women. But culture influences every aspect of gender to structure two different subgroups: feminine and masculine, each with particular qualities that in today's world are not equally valued. This research attempts to explain the emergence of differences between the genders and how these affect communication patterns between members of the two subgroups.

P1 The Effectiveness of Artificial Breeding of Dairy Goats Outside the Breeding Season
Mary Walterscheidt, Alicia Fisher and Robert Koontz (Redlands Community College)

Poster #22

This research analyzes the effectiveness of artificial breeding of dairy goats outside the breeding season. Research shows that the overall kidding rate with fresh semen is 65.5% and that the overall kidding rate with frozen semen is 53.4%. Considering that frozen semen is much less expensive than a breeding fee, this work should help producers cut costs and improve breeding rates. This method, if effective, also allows for more flexibility in breeding times.

P1 A Wireless Strain Sensor Consumes Less Than 10 mW
Ya Yu Monica HEW (The University of Texas at Arlington)

Poster #23

This paper presents an ultra-low power wireless strain sensor consuming about 9 mW. To achieve such a low-power operation, a voltage-controlled oscillator (VCO) is utilized to convert the direct-current (DC) strain signal to a high-frequency oscillatory signal. This oscillatory signal is then transmitted using an unpowered wireless transponder (Huang et al. 2011). A photocell-based energy harvester was developed to power the wireless strain sensor. The energy harvested from a flashlight placed at 65 cm away is sufficient to power the wireless strain sensor continuously. The implementation of the wireless strain sensor and its characterization are presented.

P1 Cleaning the Air: Carbon Capture and Sequestration
Lucky Chanthavong (Tarrant County College District - NW Campus)

Poster #24

Although there is significant research and development in alternative fuels and the reduction of carbon emissions, there have been slower climbs in the immediate question of carbon reduction. The technology we have now is very limited. With further research and development, the cost of carbon capture and sequestration would decrease significantly. The current technology has advantages and disadvantages, in terms of both discerning costs and integrating it into modern society.

P1 Analysis of Evacuated Heat Tubes
Cristhian Salazar (West Texas A&M University)

Poster #25

Water solar collectors are used as an alternative energy source to heat water supplies for homes or businesses. The inherent flaw with traditional solar collectors is the high surface contact area, where large quantities of heat are lost due to conduction and convection. A new design, the evacuated heat tube, eliminates most of the conduction/convection heat loss, thus allowing for greater thermal efficiencies than the traditional solar hot water collector. This analysis evaluates the evacuated heat tube design and tries to increase the thermal efficiency of the heat tube and header.

P1 Protection of Paleontological Resources: Laws and Regulations of the Eastern, Middle, and Western Regions of the United States
Elizabeth Coffey (Emporia State University)

Poster #26

This study offers a comparative investigation of the variation in protections for paleontological resources in the United

States as found in the policies, laws, and regulations of the three regions (Eastern, Middle, and Western). After data compilation, each state will be assigned to a category that best describes its level of protection. A hypothesis is advanced that the difference of protections within the regions was created by one or more variables.

P1 How Do Educators Raise the Attitude of Home Literacy?
Staci Walling (East Central University)

Poster #27

This project surveys 30 local schoolteachers to discover attitudes and behaviors that encourage home literacy. Participation is voluntary and anonymous, and all information gathered will remain confidential. Only the principal investigator has a list matching the names of teachers and identifying numbers. This document and the computer are password protected to ensure that only the principal investigator has access. There are no foreseeable risks in participating in this survey and no direct benefits to participants; however, the survey will benefit research by discovering attitudes and programs that local classrooms use to engage parents in literacy activities at home.

P1 Just Deal with It: Parental Discipline Practices in Relation to the Acquisition of Children's Coping Skills
Tory Ervin (Texas Tech University)

Poster #28

While there is a mild amount of emerging literature regarding the coping patterns of children in relation to everyday stressors, few studies have examined the unique role parents play in this important skill acquisition. Children were asked to describe three daily stressors, and their responses were coded for coping approaches utilizing the method outline by Altshuler and Ruble (1989). Parental discipline practices were assessed via the ten-item subscale of the Parent Behavior Inventory (Lovejoy, et al., 1999). The results may help professionals learn more about where to concentrate their efforts in assisting children in becoming more independent and mentally capable copers.

P1 The Effect of Epigallocatechin Gallate on Cancer Cell Growth Inhibition
Jessica Windschitl (Rogers State University)

Poster #29

The purpose of this experiment is to determine the effect of epigallocatechin gallate (EGCG), the primary antioxidant in green tea, on a WEHI 164 mouse cancer cell line. We hypothesize that the addition of varying concentrations of EGCG will either cause inhibition of proliferation of the cell line or induce apoptosis. Profound results were discovered, especially within the cancer cell cultures containing a 200 μM EGCG concentration. From comparing photographs taken of the cancer cells throughout the course of the experiment, we observed significant diminution of growth at the 200 μM concentration as well as higher concentrations.

P1 Judged without the Facts: Mental Health in Society
Norma Andrade; Natali Noriega (Our Lady of the Lake University)

Poster #30

According to the Diagnostic and Statistical Manual (DSM IV TR), an individual with antisocial personality disorder fails to conform to and abide with social norms and laws, tends to lie repeatedly, controls others for personal profit and/or pleasure, and is reckless with the safety of self or others. Individuals with this disorder also exhibit a lack of remorse and are indifferent to pain. Some people with antisocial personality disorders are treated as if they were criminals when in fact they have a disability. This paper explores the line between criminality and mental illness.

P1 Logos: The Immortal Word
Paul Koester (Tarrant County College)

Poster #31

Logos: The Immortal Word is a symbol of the power of the written word to create meaning. From the words of creation painted in bright metallic colors to the black skull they are painted on, *Logos* represents how the written word brings order from chaos and creation from the void in an act of genesis that echoes the creation of the universe itself.

P1 Shape Memory Triggered Coating Failure for Active Biomaterials
Abhishek Raj (University of Texas at Dallas)

Poster #32

Shape memory polymers (SMPs) are active smart materials that have been proposed for a variety of drug delivery devices because of the ability of these materials to undergo large mechanical deformation in response to environmental or synthetic stimuli. We utilize the tailorable recovery of shape memory polymers to alter the properties of a thin film coating to change surface presentation of such a device. We investigate the effects of varying glass transition temperature, crosslink density, and recoverable force on the proposed devices.

P1 Mark Twain: The Man between the Lines
Sarah Shaw (Emporia State University)

Poster #33

Samuel Clemens, a man of many honors, is best known for his sensational *Adventures of Huckleberry Finn*, which he published under the pen name "Mark Twain." This novel sparked enough controversy to be ranked the fifth most

frequently challenged book in the United States by the American Library Association. But before he became a well-known author, he had many experiences that contributed to his curiosity in and then criticism of issues in American society. Clemens was a man of many trades, but most of all political activism.

**P1 University Focus of Southern Conservatism versus Northern Intellectualism
Hannah Kingston (Northeast Texas Community College)**

Poster #34

Conservative and liberal campuses project intellectualism through prisms of their own university culture. My poster compares the conservative Texas A&M University with the more liberal Yale University. It demonstrates how a conservative campus undercuts intellectual activity. Compared to Yale, A&M allows public service and physical culture to compete with intellectualism.

**P1 Z: An Intersexual in Society
Danielle Miles (Tarrant County College District - NW Campus)**

Poster #35

Z: An Intersex in Society is an informative and interesting presentation using documented sources of real people--some who you may know, and some you won't--to show a broad spectrum of physical, emotional, psychological, social and in a small case, legal issues that arise when society may try to place an inter-sexual into a strictly male or female role.

**P1 Garlic Cream Inhibits Biofilm Production by Bacterial Pathogens from Burn Wounds
Wail Amor (Texas Tech University)**

Poster #36

Burn wounds are predominantly colonized by *Pseudomonas*, *Staphylococcus*, *Serratia*, *Klebsiella*, and *Enterococcus*. Some of these pathogens are highly resistant to different antibiotics. Therefore, it is essential to investigate novel antimicrobial agents. Several previous studies documented the antimicrobial activity of garlic. In this study, we utilized our recently developed *in vitro* wound biofilm model to examine the effectiveness of formulated garlic cream (G-cream) in eliminating biofilms produced by wound pathogens. We tested the garlic cream on different strains of bacteria. Our results suggest that garlic ointment is effective in inhibiting biofilms produced by different wound pathogens.

**P1 Religious Disparity between the United States and European Nations
Elissa Brauchle (Our Lady of the Lake University)**

Poster #37

Compared to many advanced European nations, the United States is still a largely religious nation. Most European nations have fully accepted practices that many Americans view as sacrilegious and fight to ban. Most Europeans also view religion as something that should be kept completely personal. This religious disparity is largely due to huge differences in the religious backgrounds of the United States and the European nations. The current religious stances of the United States and European nations are creating many unforeseen consequences that must be faced.

**P1 Damned if You Do, Damned if You Don't
Kathleen Finnegan (Emporia State University)**

Poster #38

The story of the damnable life and deserved death of Doctor Faustus has been reinvented often since its publication in the 16th century. The aim of this poster will be to examine three characters from the Faust story: the anti-hero Faust, evil Mephistopheles, and repentant Margaret. It will be proven that the interpretation of the characters changes depending on contemporary society, including the role of the church and ongoing wars.

**P1 Effects of Geography on Ozark Culture
Timothy Edgren (John Brown University)**

Poster #39

The culture of a particular region tends to exhibit characteristics based on its inhabitants' heritage and location. With careful examination of both distinctive cultural phenomena and the circumstances in which they occur, connections between environment, heritage, and society may be understood better. In the Ozarks of Northwestern Arkansas, distinctive geography and tradition lend unique attributes to the culture of the area. Some Ozark communities have developed rapidly because of tourism, accessibility, and commerce, while others struggle to maintain a stable population because of their isolated, agrarian lifestyle. Ozark culture demonstrates varying levels of social development based on different geographical circumstances.

**P1 Second-Person Narrative in Junot Diaz's "How to Date a Browngirl, Blackgirl, Whitegirl, or Halfie"
Susanna Garcia (The University of Arkansas at Little Rock)**

Poster #40

In my paper, "Second-Person Narration in Junot Diaz's 'How to Date a Browngirl, Blackgirl, Whitegirl, or Halfie,'" I explore how Diaz's use of second-person narration creates complex characters and storylines within six short pages.

Diaz accomplishes three things in his short story by using second-person narration: he reveals the history of Yuniór, the narrator; completes Yuniór's coming of age story by developing him into the "teacher" here; and, finally, blurs the line between narrator and protagonist by revealing more of Yuniór than the "you" character.

P1 Epidemiological Study of the Spread of a Zombie Virus
John Calhoun (Texas Tech University)

Poster #41

Zombie apocalypses are a powerful literary allegory for modern society, as seen in many popular movies, games and books, but is a zombie apocalypse really possible? My model uses random walks to assess the impact an outbreak would have on a city. A computer simulation was created in order to create a virtual city and outbreak. This version concludes that a virus originating in a single or a few individuals has little chance of becoming massive. Location survivability, the endemicness of the virus, and the impact of city shape on the outbreak are also explored.

P1 Full of Your Self: A Presentation Concerning Theories on the Self
Ruben Bermea; L. Ozzie Villarreal-Soto (Our Lady of the Lake University)

Poster #42

This presentation explores various theories that attempt to define the concept of the self. Expanding on both the philosophical and psychological perspectives on the self, the presentation follows the process of introspection that is undertaken by the mind, and explains what conclusions are drawn by one's own body and mind. This is an investigation of the evaluation and identification of one's self as part of an existential crisis that individuals face when asking themselves this simple question: who am I?

P1 Foreign Policy: Application through Definition
Tiffany Barthelmy (Midwestern State University)

Poster #43

This presentation seeks to assess the varying definitions of foreign policy, with particular attention to its impact on Third World or developing nations. Although all countries have some form of foreign policy, for small countries foreign policy translates merely into domestic-based policy because they have little to no influence on international politics. This presentation also seeks to uncover the reasons behind the lack of influence of small states in true foreign policy as it pertains to a previously studied foreign policy course. It will reveal dynamics that hinder certain countries from actively participating in foreign relations as initially designed.

P1 Up in the Air: An Analysis and Comparison of the Novel and Film
Alexandra Taussig (East Central University)

Poster #44

This poster presentation explores the great difference in tone between the novel and film *Up in the Air*. The novel is quite dark as compared to the film, and this poster explains that the film was lightened up considerably by director Jason Reitman's decisions to add a new female character and make significant changes to a woman who was already in the story.

P1 The Cuban Missile Crisis: An In-Depth Look at How the Crisis Transformed America's Political Culture
Maxwell Matite (Johnson County Community College)

Poster #45

The United States has faced many challenges during the last century, but none is comparable to the Cuban Missile Crisis. This crisis brought the United States, the Soviet Union and the rest of the world to the brink of complete obliteration, hence the reason why this crisis continues to be of great interest to scholars. This project is an attempt to examine the Cuban Missile Crisis in depth by bridging the gap left by past scholars.

P1 Up Close and Personal
Dana Baker (Lone Star College - Montgomery)

Poster #46

What are some of the challenges an attorney must consider to succeed in the field of law? In this project, I present my experiences acting as an attorney for a criminal case. I will demonstrate how I was able to use the skills and abilities I have learned thus far in my coursework to defend my client successfully. Throughout this project, I incorporated skills such as critical thinking, strategizing, negotiating, and reacting to change. The experience was invaluable and has brought me closer to my goal of becoming an attorney.

P1 Standardized Testing: The Pros, Cons, and Effects
Savannah Duran (Our Lady of the Lake University)

Poster #47

Standardized testing is used for educational assessment purposes in a variety of forms. There are mixed opinions about using standardized tests in schools. Some arguments against the tests include how educators are forced to "teach to the test." A counterargument suggests that the tests can provide useful information that outlines what needs

to be taught. Test results can have empowering or limiting effects on the students' perceptions of what they can achieve. Both the positive and negative effects standardized tests will be presented, along with some ideas for testing reform.

P1 Selenium Inhibits the Growth of the Opportunistic Pathogen *Pseudomonas aeruginosa*
Ann Scott (Texas Tech University)

Poster #48

In this study, we tried to determine if selenium inhibits the growth of planktonic *S. aureus* or *P. aeruginosa*. Overnight cultures were diluted in a nutrient broth containing variable concentrations of Se to an optical density (OD600) of 0.02-0.03. The OD600 was determined. The growth rate of Se-treated *S. aureus* was similar to the control. However, four *P. aeruginosa* laboratory strains and two clinical isolates growth was significantly inhibited by .0125% Se. Initial viable count analysis confirmed these findings. These results suggest that Se is a potential therapy for *P. aeruginosa* infections.

P1 Making the Leap from Literature to Film in the World of Harry Potter
Valorie Vernon (Rogers State University)

Poster #49

This presentation focuses on film adaptation of the Harry Potter. Instead of making simple observations about each novel and its corresponding film, the paper examines the series as a whole and its overall development. Besides studying important characters and their relationships to each other, I consider the setting of Hogwarts Castle and the visual representations of scenes described in the novels. This examination of two different literary mediums draws conclusions on what make both written literature and film good and analyzes the strengths and weaknesses of film adaptation.

P1 Religiously Affiliated Universities in Modern-Day America
Alicia Barrera and Jeffrey Martinez (Our Lady of the Lake University)

Poster #50

This presentation will explore how religiously affiliated private institutions survive in a modern-day American education system. We will highlight different characteristics of private (religious) universities and comment on various ways they are adapting to a modern America and its needs; we will compare and contrast private and public institutions on various levels: curriculum, purpose, student backgrounds, retention rates, and cost of attendance.

P1 Exposing Photography: The Impact of Photographs in Muckraking Journalism
Rita Edmonds (Emporia State University)

Poster #51

Jacob Riis, himself an immigrant, became a journalist to bring the realities of tenement housing in the Gilded Age into the public eye. Taking up the new technology of photography, Riis provided graphic proof to his readership. His photos and stories inspired such people as Theodore Roosevelt to work for change and progress in the area of immigrant housing and living. This presentation will showcase some of Riis' photos to explore the impact of photojournalism in the late nineteenth century. Riis' heart-wrenching photographs continue to impress upon all who view them the realities of how the poor live.

P1 Migration Rates and Economic Wealth
Samuel Heinz (Texas Tech University)

Poster #52

According to economic theories of trade, states possess factor endowments of land, labor, capital, and human capital, which they arrange to maximize comparative advantage. States with liberal migration policies will be more flexible to changing demands in their domestic markets for labor and human capital endowments, and will be more prosperous. In order to evaluate this claim, I analyze the effects of migration on Gross National Product. Besides arguing that liberal migration policy can create national wealth, I claim that states can use restrictive immigration policy to punish other states by disrupting the flow of their labor and human capital.

P1 Showing Charity to John Wilkes Booth: The Other Conspirators in the Lincoln Assassination
Katie Douglas (John Brown University)

Poster #53

John Wilkes Booth and the infamous assassination of President Lincoln is a prominent memory in our country's history. When looking at this event, most will remember Booth as the only assassin, but many do not recall the other conspirators who helped him in some fashion. Even though these conspirators did not necessarily pull the trigger, they did in some way aid Booth in the killing of President Lincoln. Therefore, in showing charity to John Wilkes Booth, historians should keep in mind that many were involved that night, not just Booth.

P1 The Bilingual Personality
Angelina Rogers, Mariam Kevlishvili, and Arsahy Alvizo (Our Lady of the Lake University)

Poster #54

The Five Factor Personality Inventory (FFPI) measures the quantities of the "Big Five" personality traits in an

individual, broad personality domains thought to extend beyond ethnic boundaries. Despite the FFPI having earned its reputation for adequate reliability and validity, results for bilinguals have been anomalous. Individuals equally fluent in two languages have exhibited different personality traits when taking the same personality inventory in each of their languages. The project speculates as to the causes of this dual personality, notably whether it is due to differences in culture, linguistics, attachment, cognition, or neural development.

P1 Secondary Language Programs in the United States: The History, the Development, and the Future for Non-English-Speaking Education
Dana Johnson (Hutchinson Community College)

Poster #55

In our public school systems, there are increasing numbers of capable students who are academically handicapped by being English Language Learners (ELLs). We can see many difficulties in trying to teach these students English and integrating new cultures into our classrooms. Secondary Language programs--like ESL, EFL, and Bilingual Classroom Programs—are key to tapping into the potential of these students. This research covers different types of programs, their history and development, how effective these programs are in practice in our community, and the future of Secondary Language programs.

P1 Advancements in Prosthetic Design and Delivery
Tricia Hyde (Ozarks Technical Community College)

Poster #56

This project examines how the increased access to information has significantly impacted prosthetic design and delivery to patients. Primary research provided through interviews with professionals involved in the design, manufacture, or delivery of prosthetics offered an at times startling view of the landscape of the prosthetic world. The interviews revealed a stark contrast between mission labs built abroad to treat underserved populations and high-tech facilities in the States.

ORAL PRESENTATION ABSTRACTS

A1 Denton Cooley, M.D., and the Benefits of Scientific Athleticism
Jessica Rogers (Northeast Texas Community College)

8:00 am - 8:15 am (Delta)

Olympian cardiologist Denton Cooley is a symbol of what the future needs. He and his team have published over 1,300 papers, completed over 100,000 operations, and successfully installed the first artificial heart. What accounts for his achievements? I feature the virtues of the “Cooley difference”--”scientific athleticism.”

A1 Lyndon B. Johnson and the Idea of Space
Clayton Ferguson (Northeast Texas Community College)

8:20 am - 8:35 am (Delta)

Lyndon B. Johnson was the leading frontier man of America getting into space. Even though John F. Kennedy gets most of the credit, it was Johnson working behind the scenes accomplishing the actual task. Johnson would constantly change his mind, but space remained a constant. He believed that controlling space meant controlling the world.

A1 Paul Jones: Templar or Terrorist?
Joseph Jacobi (East Central University)

8:40 am - 8:55 am (Delta)

A Freemason who brought terror to some in Great Britain, John Paul Jones may not have been the hero that some consider him. This paper is an analysis of his character and legacy. The first part examines Jones’ writings and those of his contemporaries. The second looks at subsequent views of him, beginning in 1905, when President Theodore Roosevelt had his body brought back across the Atlantic. The paper ultimately assesses Jones’ importance in the War of American Independence.

A2 The Effect of Color Space on Wavelet Image Compression
Yolanda Fay Elias (Angelo State University)

8:00 am - 8:15 am (Fleetwood)

This project explores the mathematical components of image compression in an attempt to identify the specific aspects that make compressing an image that has first been converted to the YCbCr color space more efficient than simply compressing the image in the RGB color space. The proposed explanation for this relies on our eyes’ decreased sensitivity to changes in chrominance, allowing for more compression on the chrominance channels while retaining most of the luminance channel. I have found that a color space with an evenly weighted luminance vector and orthogonal bases results in slight improvements over YCbCr.

A2 The Importance of Multimedia Design in a Digitalized World
Kalyn Barnoski (Rogers State University) **8:20 am - 8:35 am (Fleetwood)**

I will be presenting multimedia artwork on a 24"x36" canvas to combine in a single design various concentrations studied in the Art Program at Rogers State University. The artwork itself is important because many students in the Graphic Design Program, as they gain expertise in digital media, lose touch with the ability to put pen on paper. Without this ability to draw and paint, designers risk losing the human touch that allows the viewer to connect with design. I want other designers to see how being proficient in all aspects of art means that they will be much better graphic designers.

A2 Innovative Techniques for Electronic Thermal Analysis
William Walker (West Texas A&M University) **8:40 am - 8:55 am (Fleetwood)**

Research encompassing the thermal analysis of electronic devices is an important and rapidly growing field for engineers. Modern technology creates the need to re-examine thermal analysis methods used to design and test hardware, which were once room-size but are now reduced to devices small enough to fit in the palm of a hand. This paper highlights the challenges presented by new electronic designs as well as insight into new tools, techniques, and software currently being utilized to address these challenges. Final conclusions regarding the usefulness of various modeling and analysis tools are presented, as well as recommendations for future thermal analysis techniques.

A3 Sustainability in Various Disciplines - What Does It Really Mean, and How Might Honors Help Reconcile Differences
John Korstad and Ashley Sweeney (Oral Roberts University) **8:00 am - 8:20 am (El Dorado)**

Sustainability has various definitions in different disciplines, and even various definitions within certain disciplines. Differing definitions are often due to ignorance of the subject matter, which may stem from lack of open dialogue. We discuss how honors faculty and students can promote effective classroom and campus discussions that will lead to a better understanding of sustainability, and how opportunities for interdisciplinary endeavors in sustainability (such as environmental and business) can be fostered.

A3 The Uncontrolled Experiment—Changing Everything!
Sumana Datta (Texas A&M University-College Station) **8:25 am - 8:45 am (El Dorado)**

What do you do with new leadership in the midst of a budget crisis and a call for greater accountability? At Texas A&M University, dissatisfaction with the current honors program has led to the simultaneous initiation of two major changes we hope will address concerns by multiple stakeholders. These changes include development and implementation of an essay-based application to the Honors Program and simplification of the program into a single course and capstone-based distinction with greater rigor and flexibility.

A4 Another Definition of Artifact: A Look at the Use of Survivors as Representations of Tragedy
Alley Agee (Oklahoma City University) **8:00 am - 8:15 am (Cimarron)**

An artifact is usually a static and unchanging object used to represent some kind of meaningful moment in history. They can be used to help remember happiness, sadness, or great violence; however, when something non-static is turned into an artifact, those moments then become living and breathing, showing how the moments have grown and changed as time has passed. The survivors of two tragedies—the bombing of the Oklahoma City Federal Building and the shooting at Columbine High School—will be explored in this presentation as artifacts of those moments, and the implications of viewing them as such will be discussed.

A4 Croatia Fragments: An Overview of Its History, Culture and Science
Stephan Birac (Alvin Community College) **8:20 am - 8:35 am (Cimarron)**

The purpose of the project is to show how Croatian cultural traditions in the realms of philosophy, art, science, literature and faith relate to those of more familiar Western European cultures. This will be done through a survey of Croatian history, architecture, culture, music, science and exploration. It will be demonstrated that Croatia's legacy is linked to Western culture even though at certain times there have been significant differences.

A4 The Reunification of Cameroon
Arrey-Njock Takang Orock (Midwestern State University) **8:40 am - 8:55 am (Cimarron)**

The 1960s was a significant period in the history of Cameroon. On October 1st, 1961, two sister territories, French and British Cameroon, which had been partitioned by the French and British in 1916, were reunified to form the present-day Republic of Cameroon. The path to reunification was characterized by political unrest in both territories and along

the frontiers, but had a great impact on the future of the two sister territories. This study is intended to examine the impact of reunification on the Republic of Cameroon in terms of ethnicity, religion, language, politics, and the economy.

A5 Comparative Strength and Structure of the Humeri of Turtles (Order Testudines)
Jordan Hearod (East Central University) 8:00 am - 8:15 am (Capitol I)

Research was conducted to determine the comparative strength of turtle humeri to withstand the stresses placed on the limbs by added weight of shell (carapace and plastron) to the mass of the organism. Humeri were extracted from turtles collected within Oklahoma. Measurements were taken and data was used to calculate the strength of the bone. This data was compared to different turtle species as well as to other vertebrate data to determine comparative strength.

A5 Population Genetic Study of the Ghost Shrimp *Lepidopthlaus louisianensis*
Amber Deschamps (Abilene Christian University) 8:20 am - 8:35 am (Capitol I)

The burrowing ghost shrimp (*Lepidopthlamus louisianensis*) lives in marine environments and inhabits soft coastal sediments. The species' short larval development period creates its limited dispersal along coastlines, impacting the population genetic structure. We hypothesize that high levels of genetic divergence exist among populations and that separate populations may actually represent distinct, cryptic species. To evaluate this claim we extracted DNA from individuals in Galveston and Port Aransas. The 16S rDNA mitochondrial gene was PCR amplified and purified from these individuals. Given the ecological importance of this species, results could have conservation implications if it is comprised of cryptic populations.

A5 Possible Protein Interaction between Maspardin and ALDH18A1 in Mast Syndrome
Mary Mason (Texas A&M University-Commerce) 8:40 am - 8:55 am (Capitol I)

Hereditary Spastic Paraplegias (HSPs) are a family of neurological disorders characterized by weakness and spasticity of the lower limbs and sensory impairment. Mast Syndrome is an autosomal recessive form of HSP exhibiting symptoms of dementia, thinning of the corpus callosum, white matter abnormalities, and spastic paraparesis. Patients with Mast Syndrome carry a mutation along their SPG21 gene, generating a protein, maspardin, with abnormal functionality. Previous studies demonstrate that maspardin interacts with ALDH16A1, and following maspardin deletion aldehyde dehydrogenase ALDH18A1, another member of the ALDH superfamily, was upregulation 1.66 fold, suggesting an interaction between ALDH18A1 and maspardin may occur.

A6 Mary Magdalene: Misreadings of Her Character
Victoria Bennett (John Brown University) 8:00 am - 8:15 am (Capitol II)

Mary Magdalene is a biblical character surrounded by myth and tradition that often portray her in a negative light. Unfortunately, the negativity surrounding her has increased rather than diminished with modern authors such as Nikos Kazantzakis and Jose Saramago, who have portrayed her as a sinful prostitute who led Jesus into temptation. It is important to realize that this view is not accurate, since advocating it can easily cause the character of Jesus to be defamed. This is evidenced by the stories that have circulated saying that he had an affair with Mary Magdalene.

A6 Love and Heresy: How Social Deviants Banded Together to Change the Medieval World
Lindsey Seader (John Brown University) 8:20 am - 8:35 am (Capitol II)

The Middle Ages were a time of great and lasting change. In this period both courtly love movement and the Cathar heresy flourished. The female nobility in Southern France were party to both the movements, and their similarities are too close to be coincidence. This research looks at primary sources as well as modern studies to see how the two movements caused each other to grow in popularity and legitimacy and even to see vestiges of their beliefs about love in life today.

A6 Revival Essentials: Bringing Jonathan Edwards to the Modern Audience
Eric Schrag (Hutchinson Community College) 8:40 am - 8:55 am (Capitol II)

This project reworks one of the great revival pieces of American Literature, Jonathan Edwards' "Sinners in the Hands of an Angry God," by taking the somewhat archaic piece and modernizing it while retaining the essential elements of the original. The project discusses Edwards' work, presents a modernized sermon, and tells a contemporary short story that creates a theological work for a whole new audience. Furthermore, this project demonstrates the increasing problem of reaching a youth culture enthralled by Hollywood with important past literature.

- A7 Investigating the Possibility of Creating a Financial Literacy Nonprofit Organization for College Students**
Charif Hamidi (Park University) 8:00 am - 8:15 am (Capitol III)

The subprime mortgage crisis has been described by many economists as the worst financial crisis since the Great Depression. Obviously, it contributed to the failure of many major businesses, tremendous declines in consumer wealth, and subsequently significant actions taken by governments all over the world. I have been intrigued by this crisis and interested in exploring potential solutions. Therefore, I decided to investigate the possibility of creating a nonprofit organization that will broaden financial literacy within Park University.

- A7 Re-Appropriating Self-Fulfilling Prophecy within the African-American Community**
Lasonya McElroy (Emporia State University) 8:20 am - 8:35 am (Capitol III)

There are capabilities of the mindset, and I will uncover how the self-fulfilling prophecy channeled with other factors can be detrimental to a person if not focused in a positive direction. Obiakor and Beachum (2005) specifically outlined how African-Americans have been affected by the self-fulfilling prophecy, beginning with a discussion of African-American history and how many African-Americans, while not enslaved physically, are mentally in bondage. The movie *Freedom Writers* is a wonderful example of the self-fulfilling prophecy and how it can aid or destroy one. Clips will be shown throughout presentation to demonstrate this point.

- A7 Wal-Mart: The Effects of a Monopoly**
Sara Nickell and Kathleen Stewart (Texas Woman's University) 8:40 am - 8:55 am (Capitol III)

Almost every American has shopped or does shop at Wal-Mart. However, the company's monopoly on goods and production has both increased America's demand for inexpensive and highly accessible goods and decreased the morality of American consumerism. How do we as a society combat the exploitation that such a successful company propagates without neglecting to meet the needs and desires of American consumers?

- B1 Narrative and Perspective: A Look at Early 17th-Century Spanish Fiction**
Chase McIver (Emporia State University) 9:00 am - 9:15 am (Delta)

In early seventeenth-century Spain, writers began using narrative techniques that gave a new perspective on the written word and its potential for expression and play. A prologue might say that the book was at the command of an upper authority, as in *Lazarillo de Tormes*, or dogs might tell epic tales of their lives among men, especially those who acted freely and frivolously among their canine inferiors based on the assumption that dogs have no intellectual capacity. These novels develop an interesting relationship between author, narrator, and reader, and deepen the debate over the written word.

- B1 The Qualities of Freud's Narcissist as Found within Alymer from Nathaniel Hawthorne's "The Birth-mark"**
Gretchen Knurr (Oral Roberts University) 9:20 am - 9:35 am (Delta)

In *The Interpretation of Dreams*, Sigmund Freud promoted psychoanalysis for discovering the subconscious, and psychoanalytic theory is now an important field in literary studies. But it is unclear whether Freud's theories can be applied to characters in works written before the publication of *The Interpretation of Dreams* in 1900. This essay focuses on Freud's 1914 essay "On Narcissism" and applies the concept to Alymer, from Nathaniel Hawthorne's 1843 short story "The Birth-mark." This study outlines each part of Freud's definition and uses evidence from Hawthorne's story to argue that Alymer indeed exemplifies the characteristics of Freud's narcissist.

- B1 Hearth and Hearthache: The Pivotal Role of the Home in 19th-Century Literature and Social Progress**
Cara Dublin (The University of Tulsa) 9:40 am - 9:55 am (Delta)

In "Hearth and Hearthache," I examine why the nineteenth-century authors of five fictional and two nonfictional works address the hearth, a symbol for the home, as a crucial concern of social critique and reform. I trace the idea of infinitely possible social progress from its Enlightenment beginnings to its Victorian-Era applications. Drawing on the texts, I aim to establish why the conjugally, educationally, and morally healthy hearth was a prerequisite of progress, and why being "hearthless" was nothing less than the highest order of social poverty and travesty.

- B2 Administrative Collaboration in Honors**
Jessica Roark and Robert Spurrier (Oklahoma State University) 9:00 am - 9:20 am (Regal)

This session will explore how effective collaboration between the Honors Director (or Dean) and Assistant Director (or Assistant/Associate Dean) can facilitate all aspects of honors administration, including (but not limited to) recruiting, advising, program governance, office management, budgeting and accounting, and involvement in NCHC and GPHC. The presenters will encourage audience participation throughout the session in an effort to allow

participants to gain from the accumulated experience of the GPHC community.

- B2 Stressed Honors Students and Mental Health: Sharing Strategies to Help
Kathy Walker and Dr. Jessica Mallard (West Texas A&M University) 9:25 am - 9:45 am (Regal)**

As a result of the economic recession, most honors programs and colleges in our region must address difficult budgetary questions. This session will provide participants the opportunity to discuss and share their ideas about how best to serve our student populations with smaller budgets and fewer resources. Please come ready to discuss your experiences with cost-saving initiatives. Whether it's combining activities, turning a catered event into a potluck, taking advantage of the rich resources already on your campuses, curtailing membership growth, utilizing student volunteerism, or other endless possibilities, we look forward to hearing your perspectives.

- B3 Shades of Red: The Death of Radical Oklahoma
Randall Young (Tulsa Community College) 9:00 am - 9:15 am (Deville)**

The midterm elections of 2010 were nothing less than a political revolution in the state of Oklahoma, standing as one of the most complete victories of the Republican Party in the state. This immense political victory for Republicans in the state may not appear to many as a radical change, yet historically the results of the 2010 midterm elections in the State of Oklahoma represent the completion of a fascinating shift in political loyalties and ideological disposition. Modern perceptions of the Sooner State as one of the bulwarks of modern conservatism belie a long-forgotten legacy of political radicalism.

- B3 The Oil Field Foundation of Mont Belvieu, Texas
Kellen Reid (Lee College) 9:20 am - 9:35 am (Deville)**

The Barbers Hill Oil Field is known around the world by oilmen and was the primary source of growth for Mont Belvieu, Texas, during an oil boom in the 1930s. Though still a relatively small, little-known town, Mont Belvieu is a community with a rich history not known by most who live outside of Barbers Hill. Mont Belvieu's history as shared by local residents and historians is intriguing and entertaining for locals and strangers alike.

- B3 Oppression and Rebellion in American Novels: A Political/Philosophical Reading
Greg Jeffers (Abilene Christian University) 9:40 am - 9:55 am (Deville)**

My paper posits a view of oppression and justice as formulated by two political/philosophical theorists (Iris Marion Young and Paulo Freire), and then filters three American novels through that formulation. In each novel, the models of justice and oppression set up by Freire and Young hold true. I conclude that each of these novels depicts an oppressive system that the characters fail to overcome. If literature is a societal commentary, and our literature consistently depicts the failure of the oppressed to become free, then we might conclude that our society consistently fails to deal with oppression and justice successfully.

- B4 The Effect of Manganese Toxicity on *Drosophila melanogaster* (Fruit Fly) Development
Aiden Galarza (Park University) 9:00 am - 9:15 am (Fleetwood)**

Previous studies suggest that excessive exposure to manganese is associated with neurodegeneration, resulting in Parkinsonisms. Concerns about environmental manganese have elicited the question of a dose-response relationship between manganese exposure and neurodegeneration. This study investigates the effects of manganese on growth rates of *Drosophila melanogaster* (fruit fly). *Drosophila* specimens were raised with media containing various concentrations of manganese (II) chloride. Pupal growth rates were recorded to reveal a relationship between manganese ingestion and development. *Drosophila* growth rates were inversely proportionate to the manganese (II) chloride concentration ingested, implying that manganese has a detrimental effect on the development of the nervous system.

- B4 Analytical Method Development for Determining the Biomarker 2-Aminothiazoline-4-Carboxylic Acid (ATCA) in Mice Liver after Cyanide Exposure
Katelyn Stafford (Sam Houston State University) 9:20 am - 9:35 am (Fleetwood)**

This research seeks to develop a new analytical technique to determine the chemically stable urinary metabolite of cyanide 2-aminothiazoline-4-carboxylic acid (ATCA) in mice liver samples. Two extraction techniques, solid-phase extraction (SPE) and molecular imprinted polymer stir bar (MIP-SB), were tested to determine the efficiency of ATCA extraction. The paper will present an effective method of preparing liver samples from cyanide-exposed mice, and will compare the two extraction methods (SPE vs. MIP-SB). Liver ATCA was evaluated by Liquid Chromatography/Mass Spectrometry/Mass Spectrometry (LC/MS/MS) to determine the concentration of ATCA following extraction.

- B4 Magnetars: Magnets in the Sky
Erica Olavarria (Oklahoma City University) 9:40 am - 9:55 am (Fleetwood)**

Imagine a magnet so powerful that if it came within 100,000 miles of the Earth, its intense magnetic field would destroy the data on every credit card on the planet. Such magnets do exist: they are a special classification of neutron stars, called magnetars. So far, only about fifteen magnetars have been identified. These stars were a mystery to astronomers for many years. Even today, astronomers are continuing to make observations to learn more about the nature and properties of magnetars.

B5 For the Love of Love: A Rhetorical Analysis of *The Bachelor*
Amanda Goodall (Abilene Christian University)

9:00 am - 9:15 am (El Dorado)

Humanity is infatuated with love. Within the last two decades, this fascination has taken on a new form: reality television. There are currently 76 reality T.V. shows that are all about love; one of the most popular is *The Bachelor*. It is important to study this show because its genre is presented as simply a depiction of reality, a reality which already exists and is unaltered. This presentation examines the rhetorical strategies reality television employs to shape its audience's view on love by looking at the show's use of judgmental requests, appeals to ethos and pathos, and lexicon.

B5 Odysseus: The Ancient James Bond
Kyle Christian (Midwestern State University)

9:20 am - 9:35 am (El Dorado)

The *Odyssey* is one of the earliest celebrations of the male ego. The epic poem is evocative of one of the James Bond films, which are similarly filled with themes of male sexual prowess and superior masculine intelligence. Also present in both works are the contrasting elements of the femme fatale, the woman who detracts the hero from his goal, and the goddess figure, the woman without whom the hero cannot complete his mission. There are many parallels that can be drawn between the cultural values of ancient Greece and the western world today.

B5 Not Just Another Damsel in Distress
Jamie Odom (John Brown University)

9:40 am - 9:55 am (El Dorado)

Ruth makes a name for strong women in the Old Testament. The first section of this presentation provides historical background and a brief story synopsis. The second section shows how, through Ruth's foreign nature, God displays his faithfulness and commitment to the Abrahamic Covenant. God is faithful to men, women, and gentiles alike. For a patriarchal society, this story would be revolutionary. The final section makes several parallels of Ruth in both Old Testament epochs and in pairs of women, making the story more relevant to the rest of the Bible, and connecting the house of David with the tribe of Judah.

B6 Effects of Energy Drinks Containing High Caffeine on the Heart's Activities and Heart Rate
Han Huynh (San Jacinto College)

9:00 am - 9:15 am (Cimarron)

Caffeine is a CNS stimulant that produces alertness and arousal in those who consume it. Caffeine is derived from xanthine (3,7-dihydro-purine-2,6-dione), which contains purine base. Its target is to bind to an adenosine receptor and block the inhibitory effects of adenosine on the adrenergic autonomic neuron and the ENS cholinergic neuron, thereby creating opposite effects to adenosine. Therefore, caffeine causes slight tachycardia, increases cardiac output, increases peripheral resistance, increases blood pressure slightly on ordinary caffeinated-beverage consumers, and causes arrhythmia in sensitive caffeine consumers.

B6 Is the Overuse of Sunscreen Causing Us to Be Vitamin D Deficient?
Twyla Jackson (Lubbock Christian University)

9:20 am - 9:35 am (Cimarron)

Vitamin D deficiency is a rising problem. This is unfortunate since vitamin D is vital to the mineralization of bones, keeping the immune system healthy and reducing the risk of cancer. The main way to obtain vitamin D is by getting an adequate amount of sunlight. It has therefore been proposed that an overuse of sunscreen is keeping our bodies from producing the vitamin like it normally would. There were several studies conducted, four of which are presented here, that concluded that vitamin D could be produced while wearing sunscreen.

B6 The History of Pharmacy and Medicine in America
Chelsey Triplett (Tulsa Community College)

9:40 am - 9:55 am (Cimarron)

With the use of prescription drugs becoming so prevalent these days, it is only natural to wonder how our nation has been able to regulate these medicines. My research highlights the first pharmacies that were opened in the United States, the significant legislation that has been passed, and several preventable disasters involving pharmaceuticals in America in the last few hundred years. I also address some of the main advocates in the fight for the regulation of medicine.

B7 "Chemical Love": The Neuroscience of Attraction, Lust, and Love
Salvador Reyes-Fabre (Brazosport College)

9:00 am - 9:15 am (Capitol I)

What is love? Since the beginning of time people and philosophers have asked this question. In modern times,

scientists turned their attention to it. This project presents a series of conclusions about scientific approaches to love. Brain structures, hormones and neurotransmitters will be surveyed as relevant to the question. The theory that love might be a series of neurological steps (“lust,” “attraction” and “attachment”) caused by the hormones vasopressin and oxytocin will be considered.

B7 The Effects of Androstadienone on Human Behavior
Shaheena Anene (Angelo State University)

9:20 am - 9:35 am (Capitol I)

Pheromones are a class of chemical signals produced and secreted by an individual which influence the behavior of another individual of the same species. Recent studies in humans have identified a similar form of chemical communication in which chemical signals sent by one person influence another’s psychological state; these are called modulator pheromones. Recent studies have focused attention on androstadienone, thought to be male-specific. My research will highlight several studies which have shown that exposure to androstadienone has influenced mood, focus, and psychophysiological arousal, and will explore potential influences of androstadienone on sexual orientation and mate selection.

B7 Selective Pharmacological Manipulations of a Multimodal Pain Model
Ali Alam (The University of Texas at Arlington)

9:40 am - 9:55 am (Capitol I)

The purpose of this study was to investigate hyperalgesia induced through two different modalities while measuring sensory and affective nociceptive processing. The study highlights the specificity in nociception and is the first to investigate the relationship between affective and sensory pain in a multimodal model that compares inflammation and neuropathy. Ultimately, the study sheds light on the underlying processing of different forms of chronic pain and will be useful to develop novel approaches to increase our knowledge of underlying mechanisms and improved methods of treatment.

B8 Country Music in America: True Grit or Brave New World?
Violet Thompson (Northeast Texas Community College)

9:00 am - 9:15 am (Capitol II)

Country music, considered by historian Don Cusic as an idiom for adults who have lost their illusions and naiveté, has reached an impasse. Under the influence of the Nashville establishment, country music suggests the fantasy culture of Aldous Huxley’s *Brave New World*, more than a viable expression of American life.

B8 Analysis of “Oh! Had I Jubal’s Lyre” from *Joshua*, by George Frideric Handel, 1747
Kirsten Gabbert (John Brown University)

9:20 am - 9:35 am (Capitol II)

George Frideric Handel (1685-1759) was a principal composer during the Baroque era who is best remembered for English oratorios. Handel successfully synthesized this new genre from German, Italian, French, and English traditions, enriching English choral literature and creating classics still revered today. This study of the aria “Oh! Had I Jubal’s Lyre” from one of Handel’s later oratorios, *Joshua*, explores an example of his characteristic style and wit, borrowing tendencies, and Baroque technique. It also includes an in-depth harmonic analysis and a survey of the tools he used in writing one of his most beloved and often-performed works.

B8 I Am Not Writing This About You: A Collection of Original Poetry
Robert Bruno (The University of Arkansas at Little Rock)

9:40 am - 9:55 am (Capitol II)

This collection of poems focuses on the minutia and the detritus of characters whose lives have taken a turn for the worse. A great number of these poems also focus on both high and low art. Art surrounds and influences everyone on a daily basis, and many of these pieces examine how this saturation affects both our lives and relationships.

B9 Reconceptualizing the Southwest: A Chicano Ecocritical Discourse of Arturo Islas’ Novel *The Rain God*
Neri Sandoval (The University of Texas at Arlington)

9:00 am - 9:15 am (Capitol III)

During the Chicano movement, the Southwestern desert region emerged as the focal point for the political and literary movement of the 1960s. For the Chicano community, the desert became a landscape in which a different social reality could be crafted. This stood in direct contrast to representations of the desert in traditional American literature, where the desert was often associated with death, decay, and isolation. I argue that Arturo Islas’ novel *The Rain God* repudiates traditional imagery of the desert as a dry landscape of death to provide alternative interpretations of life/death cycles within traditional Judeo-Christian beliefs.

B9 *Dos Nacionalidades*, Running Through My Veins
Arlyn Martinez (Texas A&M International University)

9:20 am - 9:35 am (Capitol III)

"Border Spanish" is the combination of English and Spanish words within a single phrase, idea, or sentence. The intermixing of these two languages is often described as an art to the Hispanic community and a voice that is essential

to upholding the pride of a fast-growing minority. Through this research, the course of this dialect will be examined, attitudes toward border Spanish will be analyzed, and the brain functioning of bilingual speakers will be studied to understand more about this new growing trend of mixing two languages.

B9 Rocks, Papers, and Sometimes Scissors: The Challenges of Collections Management
Amanda Arzigian (Abilene Christian University) 9:40 am - 9:55 am (Capitol III)

Sometimes it is much harder to take care of rocks and papers than one might think. This presentation addresses processing collections as it relates to the Callie Faye Milliken Special Collections at Abilene Christian University and the collections of Salinas Pueblo Missions National Monument. By discussing issues and limitations encountered in both collections and then illuminating several shared elements, this presentation will provide the audience with a broader understanding of collections management as it relates to these two collections.

C1 The Role of Women in Turkish Politics and Development
Meghan Clark (Abilene Christian University) 10:00 am - 10:15 am (Delta)

This paper seeks to analyze the tension between secular and religious forces in Turkish society through examination of the role of women in modern Turkey, via the lenses of political engagement, economic participation, and international comparison. The conflict surrounding women's expression of religious and political belief--particularly the recent repeal of the Turkish ban on headscarves in the university setting--is deeply important. Through examination of women in Turkish society, this study seeks to discover broader tensions rooted deep in Turkish history and culture and to compare Turkey's political progress to that of other European nations.

C1 Strange Bedfellows: Louise and Queenie
Paul Knowles (San Jacinto College) 10:20 am - 10:35 am (Delta)

This paper compares Kate Chopin's *A Story of an Hour* and John Updike's "A&P" to illustrate the advancement of women in the United States between 1896 and 1960. Both Louise Mallard and Queenie challenge traditional gender roles. Louise flirts briefly with a sense of unfettered personal freedom unprecedented in her time, while Queenie flaunts her sexuality with a sense of indifference towards traditional gender roles. Chopin shows the confusion and anguish of women seeking lives with more substantial value than those afforded by the patriarchal society of the late nineteenth century. Updike presents open rebellion against aging social values.

C1 Jane Austen: The Woman Question
Morgan Honnold (John Brown University) 10:40 am - 10:55 am (Delta)

Arguably the most-read female author of the 19th century, Jane Austen subtly presented her audiences with a controversial issue that is still addressed today: the Woman question. The temperate, respectable women of the landed gentry whom Austen characterized in her novels present a romantic yet disquieting portrait of restraint and submission. While the author of *Persuasion* and other novels idealizes heroines who demonstrate prudence and propriety, was Jane Austen also subtly crying out against the confinement and degradation of the independent and intellectual woman?

C2 Supporting Your Commitment to Honors Education during the Economic Downturn
Dr. Jessica Mallard and Kathey Walker (West Texas A&M University) 10:00 am - 10:15 am (Regal)

The recent economic recession has impacted all the institutions of higher education in our region. Difficult questions are being addressed by honors programs and colleges regarding how best to serve our student populations with smaller budgets and fewer resources as we await an economic upturn. The goal of this session is bring together honors administrators to share their ideas for reducing costs without decreasing the value of the honors experiences we strive to offer. Participants will be encouraged to describe and discuss their own ideas and experiences in implementing cost-saving programs and activities geared toward providing a uniquely honors education.

C3 Uniting Private Judgments in the Ages of Revolution and Reflection
Marla Blum (University of Tulsa) 10:00 am - 10:15 am (Deville)

Søren Kierkegaard's distinction of the age of reflection and the age of revolution explains a progression of views on how to unify private judgments. Hobbes, Rousseau, and, later, Rawls, each take on the project of finding a way to harmonize private opinion and political opinion. Analyzing these thinkers through Kierkegaard's distinction sheds light on whether a system in which personal and political beliefs are merged is too volatile, or if a political system that does not reflect the private opinions of its citizens can provide lasting unity.

C3 Innocent Victim or Righteous Pagan: The Question of Emeth in C.S. Lewis' *The Last Battle*
Esther Carey (John Brown University) 10:20 am - 10:35 am (Deville)

When reading *The Last Battle*, C.S. Lewis' conclusion to *The Chronicles of Narnia* series, attentive readers may be puzzled by the situation of the Calormen Emeth. While Lewis was not trying to write an allegory, Emeth's situation surprisingly seems to go against typical Christian beliefs. This research project explores the wide variety of opinions about Emeth. Attempted explanations typically fall into one of two basic categories. The conclusion seeks to analyze both of these alternatives and compare them to frequently held beliefs.

C3 Coextensive Traits and the Cognitive Mind: An Argument Against Natural Selection
Joshua Price (John Brown University) 10:40 am - 10:55 am (Deville)

Natural selection purports to explain the evolution of the human species. Thus, it must explain the evolution of the cognitive mind. This paper attempts to prove that natural selection cannot be the mechanism by which the cognitive mind evolved. It argues that natural selection cannot select for belief-forming faculties that are oriented toward true belief, because the contents of beliefs are coextensive with their effects on behavior. The paper further argues that the purpose of the cognitive mind is to arrive at true belief. If these two arguments are true, natural selection cannot explain the evolution of the cognitive mind.

C4 Redeeming the City: Henry Cisneros and the Idea of Democratic Morphology
Carlos Mendez (Northeast Texas Community College) 10:00 am - 10:15 am (Fleetwood)

My presentation shows that Henry Cisneros, a celebrity mayor of San Antonio and the director of Housing and Urban Development or HUD from 1993-1997, has a winsome and unheralded vision to save the city. His vision is that of "democratic morphology," a non-elitist model for reform.

C4 Plastic Recycling in America and an Alternative
Laticia Warren (John Brown University) 10:20 am - 10:35 am (Fleetwood)

Plastic is generally divided into seven types, but most recycling centers only accept number 1 and 2 plastics and can only recycle these plastics one time. Those who choose to recycle are often ignorant of the actual process of recycling. The world needs an alternative to the current one-time recycling system, such as the one William McDonough suggests in *Cradle to Cradle*. Yet until this alternative can be fully fleshed out, people need to be more educated about recycling so it can be as effective as possible.

C4 Community Development: A Holistic Approach Using Dr. John Perkins' "3 R's" of Community Development
Cassandra Castellanet, Will Chesher, Catherine Harbor, and Joseph Roberts (John Brown University) 10:40 am - 10:55 am (Fleetwood)

Using John Perkins' and the CCDA's 3 R's of Community Development (Relocation, Reconciliation, and Redistribution), we explore the theory, importance, and implementation of Christian Community Development, and how it relates to college students within multiple contexts: their college campuses, the town their college is in, and eventually their future home.

C5 Of Wrongful Imprisonment and Mad Doctors: Victorian Asylums in *The Woman in White* and *Dracula*
Christina Wagoner (Texas Woman's University) 10:00 am - 10:15 am (El Dorado)

This paper analyzes the Victorian asylum system as portrayed by two Victorian authors: Wilkie Collins in *The Woman in White* and Bram Stoker in *Dracula*. The purpose is not only to ascertain the historical accuracy of their works concerning the asylum but also to understand the authors' motivations in using the asylum system as a plot device. The use of the asylum system is half-accurate and mostly used to push an agenda, whether it is social commentary, as with Collins, or just a plot device, as with Stoker.

C5 Once Upon an End: A Modernist Fairytale
Hannah Covington (Oral Roberts University) 10:20 am - 10:35 am (El Dorado)

Exploring fairytale lore in Virginia Woolf's novel *Mrs. Dalloway* reveals how fantasy has aided societies in their frantic attempts to cope with reality. In Woolf's post-WWI world, life itself had morphed into a tale in which societal structures were torn asunder. Woolf makes connections to both generic and specific fairytale elements, incorporating recognizable figures like Prince Charming and his damsel, and familiar symbols like a climatic ball and a clock tower that orchestrates the lives of those around it. The characters adapt traditional fairytales to create their own alternative, idealized modern realities.

C5 Cynthia Ann Parker and Domesticism
Maricely Gomez (Northeast Texas Community College) 10:40 am - 10:55 am (El Dorado)

A favorite nineteenth-century poem reads, "Domestic happiness, thou only bliss of paradise that has survived the fall." My work on Cynthia Ann Parker, caught between colliding worlds of the Comanche and Anglos, shows that

“domesticism” remained a constant in Parker’s life even as she was kidnapped twice, by both Indians and Americans.

C6 A Cognitive Theory on Reciprocal Intelligence: How English and Mathematics Hold the Key to Educational Reform.

Josh Collins (Hutchinson Community College)

10:00 am - 10:15 am (Cimarron)

English and mathematics are essential for societal development, but anxieties associated with each subject have crippled students’ understanding. This project contends that playing upon their similarities with the help of metacognition will increase understanding of both disciplines. By comparing their symbolic nature, societal construct, and utilization, the author demonstrates how “reciprocal intelligence” can also be used to combat anxiety. Not only will this lead to successful students in both areas, but this proposition for educational reform will, as the project asserts, create a society filled with people capable of generating innovative ideas for a better tomorrow.

C6 Bias and Reader-Response Pedagogy

Frances Busby (Emporia State University)

10:20 am - 10:35 am (Cimarron)

Drawing from Ken Bain's concept of "scaffolding" pedagogy and classroom experiences, this presentation will offer reasons why teachers and students should collaborate to create a new lens through which to examine textual material in order to ground investigation in dispassionate critical thinking stemmed from curiosity and the pursuit of knowledge, rather than reader response.

C6 The Supplemental Instruction Program at Brazosport College: Experiencing the Classroom from the Other Side of the Podium

Clayton Shepherd (Brazosport College)

10:40 am - 10:55 am (Cimarron)

The project focuses on Brazosport College's Supplemental Instruction (SI) program and the benefits to the SI leader and the students, particularly in the Biology and Anatomy and Physiology classes. To become an SI leader, a student must exhibit exemplary study skills, interact well with other students, desire to excel, and be willing to help students succeed. It is traditionally facilitated by a former student, involves a professor and is course specific. Being an SI currently enrolled in the course presents great challenges as well as rewards.

C7 Culberson County, Texas: The Unreported County in Regards to Cancer Occurrence

Dianna Marin (Sul Ross State University)

10:00 am - 10:15 am (Capitol I)

In many rural American communities without cancer treatment facilities, the cancer incidence statistics are suppressed to prevent duplication of counts from counties offering treatment. An overview of cancer incidence for rural Culberson County, Texas, from 2000 through 2009 revealed 429 new cancers. After adjusting these numbers to make comparable at “per 100,000,” the cancer incidence rate was found to be three times higher than average. Accurate accounting for rural areas will provide information on the impact of cancer on the health care system and further the progress in supporting cancer control knowledge across all regions of the country.

C7 The Effect of Tumor-Specific Amplitude-Modulated Electromagnetic Fields on Hepatocellular Carcinoma

Ryne Ramaker (The University of Arkansas at Little Rock)

10:20 am - 10:35 am (Capitol I)

Hepatocellular carcinoma (HCC) is the third leading cause of cancer death worldwide. Intrabuccal administration of low levels of tumor-specific, amplitude-modulated electromagnetic fields (AM-EMF) has shown therapeutic success in treating malignancies in the clinical setting. This study was designed to repeat these previous clinical successes *in vitro* and *in vivo*, and to determine possible biological mechanisms for AM-EMF’s therapeutic effect. Our current results support our hypothesis of cytoskeleton distortion and centrosome delocalization in rapidly dividing HCC cells and further confirm previous therapeutic success of AM-EMF exposure *in vitro*.

C7 Animal Testing for Cosmetic Purposes

Heather Nance (Alvin Community College)

10:40 am - 10:55 am (Capitol I)

Over twenty million animals are killed annually for cosmetics testing. The opponents of this type of testing are pressuring the government to inflict severe regulations on this type of research. This type of testing is used to minimize injury to the consumer and maximize the benefits of the product. I will be discussing the controversies of animal testing for cosmetics purposes and will look at different areas associated with cosmetic testing by focusing on three areas in the testing of animals for cosmetic purposes.

C8 A Taoist Approach to Happiness

Matthew Williams (Lone Star College - Montgomery)

10:00 am - 10:15 am (Capitol II)

What defines happiness? Philosophically there are many differing understandings of this question. Two prominent western theories that most individuals find appealing are Aristotle's Eudaimonia and the contemporary motivational Hedonism. However, as equally appealing as these two theories are, they present a clear dichotomy, being at opposite

ends of the spectrum. In this presentation we will delve into the workings of Eudiamonia, and both motivational Hedonism and its precursor Hedonism. Yet how does one reconcile the differences between these two theories? Enter Taoism, the eastern philosophy of naturalism, which can act as a middle way between the two western philosophies.

C8 Religion, Art, and Myth-Making: The Halo as an Expression of Ultimate Reality
Christopher Stratman (Johnson County Community College) 10:20 am - 10:35 am (Capitol II)

Better understanding of the dualistic quality of human relationships serves to find common ground within religious dialogues. This involves seeing how both religion and art are modes of myth-making. Historically the aesthetic symbol of the halo has been used by many religions and aesthetic traditions as an expression of enlightenment; therefore, the halo serves as a fossil of human experience. The symbol of the halo in the Mithraic, Christian and Buddhist traditions is an extremely good case study for recognizing reason and logos as the basic foundation of human and therefore ultimate reality.

C8 “Don’t Think of the Prodigal” and “The Rest of the Story”: Luke 15:11-32
Joanna Chenoweth (Oklahoma City University) 10:40 am - 10:55 am (Capitol II)

The parable found in Luke 15:11-32 tells a story of loss and homecoming through the narration of the father, elder, and younger son. Parables break conventional frames, challenging the listeners and disorientating them. The hearer is disorientated by the actions of the father, who behaves, to borrow a term from George Lakoff's *Don't Think of An Elephant*, as a "Nurturant Parent," even though living in a period of the "Strict Father." This disorients the listener in order to reorient and teach the listener a lesson of forgiveness and grace.

C9 Cultural Distortion: The Dedication of the Thomas “Stonewall” Jackson Monument at Manassas National Battlefield Park
Shae Adams (Sam Houston State University) 10:00 am - 10:15 am (Capitol III)

"Cultural Distortion" examines the distortion of Civil War memory that took place during the dedication of the Thomas “Stonewall” Jackson monument at the Manassas National Battlefield Park in 1940. The cultural atmosphere in the United States during the later years of the Great Depression imprinted itself not only on the physical appearance of the Jackson monument, but also on the shape of the memory of the Civil War itself. The monument serves as a prime example of the ways in which 1930s America removed itself from the facts of the Civil War through the distortion of American memory.

C9 Party Identification and Representative Voting
Briana Lamb (Stephen F. Austin State University) 10:20 am - 10:35 am (Capitol III)

There are many reasons behind why people vote the way they do, including religious affiliations, gender, race, and income. But why do Representatives vote the way they do? Is it for the same reasons? They are as affected by their environment as everyone else, but they also have another reason, party affiliation.

C9 The People Are Their Land
Andrea Good (John Brown University) 10:40 am - 10:55 am (Capitol III)

In this ethnography, I traveled in the Ozarks region of Arkansas to understand how the livelihood of Ozark “hillbillies” parallels their land. This ethnographic study examined the backwaters of Hattiesville, where the elderly remembered riding into town on the back of a mail truck; the area of Winslow, where railroad systems modernized the Ozarks, yet did not usurp the Ozark spirit of living from the land; and the Buffalo River Valley, where modern-day comedy distorted the “hillbilly” culture that pioneered a wilderness of danger and beauty. ‘Hillbillies,’ often caricatured as ignorant peasants of America, are anything but this stereotype.

PLENARY SPEAKERS



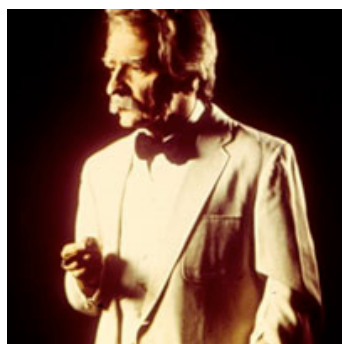
Dr. Roy Hawthorne, Navajo Code Talker

In 1942 Roy Hawthorne and several friends left their reservation in Arizona to join the Marine Corps. They were members of a contingent of radiomen who communicated tactical information among U.S. fighting units in their native language. The Japanese intercepted their messages but were never able to decipher them. The Code Talkers' contributions were crucial to the success of many operations, including the Battles of Guadalcanal and Iwo Jima. Dr. Hawthorne is now a retired Baptist minister.



Dr. Mary Vaccaro, Professor of Art History, UT Arlington

Professor Vaccaro is an internationally known specialist in Italian Renaissance art. She will speak about *The Torment of Saint Anthony* (the only painting by Michelangelo in an American collection) as well as other outstanding works in the Kimbell Art Museum. Dr. Vaccaro has received fellowships, lectureships and research grants from the Metropolitan Museum, Harvard University, the American Academy in Rome, and the National Endowment for the Humanities.



Dr. Dennis Maher, Associate Professor of Theatre Arts, UT Arlington

Dr. Maher will channel the controversial and inspirational spirit of Mark Twain as he performs scenes from "The Trouble Begins at Eight," an original one-man show he has adapted over the past 40 years from Twain's writings and speeches. Following the performance, Maher will remain in character as he takes questions from the audience. At a St. Louis theatre, following a 1976 Bicentennial celebration performance, Maher met one of Twain's cousins, Cyril Clemens, who paid him the highest of compliments. "He told me that, 'Next to the original, you're the best Twain I ever saw.'"

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T-SHIRT AND PROGRAM COVER ART: Jim Perry

WEBSITE: Jim Perry

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